

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\  
 Data File : VN058757.D  
 Acq On : 14 Oct 2019 18:23  
 Operator : JC/SP  
 Sample : VN1014WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1014WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 10/16/2019 12:57:13 AM

Quant Time: Oct 15 04:11:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 12 00:00:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 387841   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 632078   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 580538   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 276695   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.01   | 65  | 282345   | 52.00 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.00% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 207003   | 53.02 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.04% |      |
| 50) Toluene-d8            | 10.08  | 98  | 796584   | 51.02 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.04% |      |
| 62) 4-Bromofluorobenzene  | 12.41  | 95  | 287435   | 48.64 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.28%  |      |

## Target Compounds

|                               |      |     |         |         | Qvalue |     |
|-------------------------------|------|-----|---------|---------|--------|-----|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 106403  | 22.028  | ug/l   | 98  |
| 3) Chloromethane              | 2.04 | 50  | 121902  | 21.223  | ug/l   | 100 |
| 4) Vinyl Chloride             | 2.17 | 62  | 122016  | 21.329  | ug/l   | 100 |
| 5) Bromomethane               | 2.54 | 94  | 74399   | 21.378  | ug/l   | 97  |
| 6) Chloroethane               | 2.68 | 64  | 76954   | 21.808  | ug/l   | 97  |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 149758  | 21.874  | ug/l   | 100 |
| 8) Diethyl Ether              | 3.39 | 74  | 50831   | 20.094  | ug/l   | 97  |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 82694   | 21.183  | ug/l   | 98  |
| 10) Methyl Iodide             | 3.93 | 142 | 106904  | 20.068  | ug/l   | 97  |
| 11) Tert butyl alcohol        | 4.76 | 59  | 90204   | 102.580 | ug/l   | 100 |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 79421   | 21.323  | ug/l   | 93  |
| 13) Acrolein                  | 3.59 | 56  | 57816   | 81.751  | ug/l   | 96  |
| 14) Allyl chloride            | 4.30 | 41  | 148798  | 19.796  | ug/l   | 98  |
| 15) Acrylonitrile             | 4.96 | 53  | 239557  | 108.026 | ug/l   | 99  |
| 16) Acetone                   | 3.80 | 43  | 218283  | 97.107  | ug/l   | 99  |
| 17) Carbon Disulfide          | 4.03 | 76  | 242947  | 20.405  | ug/l   | 100 |
| 18) Methyl Acetate            | 4.30 | 43  | 123477  | 21.655  | ug/l   | 96  |
| 19) Methyl tert-butyl Ether   | 5.02 | 73  | 278648  | 20.951  | ug/l   | 96  |
| 20) Methylene Chloride        | 4.53 | 84  | 94518   | 20.119  | ug/l   | 99  |
| 21) trans-1,2-Dichloroethene  | 5.02 | 96  | 86385   | 20.734  | ug/l   | 100 |
| 22) Diisopropyl ether         | 5.93 | 45  | 308169  | 21.086  | ug/l   | 97  |
| 23) Vinyl Acetate             | 5.87 | 43  | 1306183 | 110.762 | ug/l   | 99  |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 176738  | 21.233  | ug/l   | 100 |
| 25) 2-Butanone                | 6.81 | 43  | 333398  | 102.614 | ug/l   | 99  |
| 26) 2,2-Dichloropropane       | 6.81 | 77  | 141246  | 18.590  | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene    | 6.81 | 96  | 99638   | 20.508  | ug/l   | 98  |
| 28) Bromochloromethane        | 7.17 | 49  | 60903   | 21.032  | ug/l   | 99  |
| 29) Tetrahydrofuran           | 7.19 | 42  | 225776  | 107.531 | ug/l   | 99  |
| 30) Chloroform                | 7.35 | 83  | 176847  | 21.147  | ug/l   | 99  |
| 31) Cyclohexane               | 7.64 | 56  | 159591  | 20.039  | ug/l   | 95  |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 153397  | 21.508  | ug/l   | 99  |
| 36) 1,1-Dichloropropene       | 7.78 | 75  | 128869  | 20.165  | ug/l   | 99  |
| 37) Ethyl Acetate             | 6.91 | 43  | 143107  | 22.142  | ug/l   | 98  |
| 38) Carbon Tetrachloride      | 7.76 | 117 | 136531  | 21.921  | ug/l   | 99  |

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 Operator : JC/SP  
 Sample : VN1014WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1014WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 10/16/2019 12:57:13 AM

Quant Time: Oct 15 04:11:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 12 00:00:30 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 145721   | 19.650  | ug/l   | 99       |
| 40) Benzene                    | 8.03  | 78   | 386570   | 21.062  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.17  | 41   | 69541m   | 22.985  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.11  | 62   | 150845   | 21.392  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.15  | 43   | 225660   | 20.495  | ug/l   | 100      |
| 44) Trichloroethene            | 8.82  | 130  | 93807    | 20.581  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 104422   | 21.252  | ug/l   | 97       |
| 46) Dibromomethane             | 9.20  | 93   | 67179    | 21.565  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.39  | 83   | 136751   | 21.557  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.19  | 41   | 101520   | 20.341  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 35350    | 457.834 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 709322   | 114.711 | ug/l   | 98       |
| 52) Toluene                    | 10.15 | 92   | 235081   | 20.941  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 147243   | 20.238  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 161483   | 20.904  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 93686    | 20.390  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 138342   | 20.610  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 164982   | 21.072  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 325742   | 100.697 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 519250   | 108.660 | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 98951    | 20.877  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 96329    | 20.927  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 84819    | 20.877  | ug/l   | 96       |
| 65) Chlorobenzene              | 11.43 | 112  | 246073   | 20.872  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 94501    | 21.677  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 442346   | 21.048  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 326799   | 41.437  | ug/l   | 98       |
| 69) o-Xylene                   | 11.95 | 106  | 156779   | 20.546  | ug/l   | 98       |
| 70) Styrene                    | 11.97 | 104  | 256973   | 20.547  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 67931    | 21.259  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 427343   | 21.326  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 191719   | 21.302  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 144578   | 21.901  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 129693m  | 21.366  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 101816   | 20.889  | ug/l   | 100      |
| 78) n-propylbenzene            | 12.60 | 91   | 508867   | 21.792  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 303985   | 20.974  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 364168   | 21.286  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 42852    | 18.910  | ug/l   | 88       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 313978   | 21.112  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.00 | 119  | 302896   | 20.667  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.05 | 105  | 358202   | 21.091  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.18 | 105  | 417594   | 21.624  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 370194   | 21.092  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 182736   | 20.329  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 181818   | 19.894  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.62 | 91   | 328524   | 20.243  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 67820    | 21.595  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 184015   | 21.004  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.28 | 75   | 31620    | 20.503  | ug/l   | 94       |

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Data File : VN058757.D  
Acq On : 14 Oct 2019 18:23  
Operator : JC/SP  
Sample : VN1014WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

Manual Integrations  
APPROVED

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10/16/2019 12:57:13 AM

Quant Time: Oct 15 04:11:41 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 12 00:00:30 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.92 | 180  | 102461   | 19.172 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.02 | 225  | 54700    | 19.436 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 294460   | 19.171 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 101177   | 19.391 | ug/l  | 98       |

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

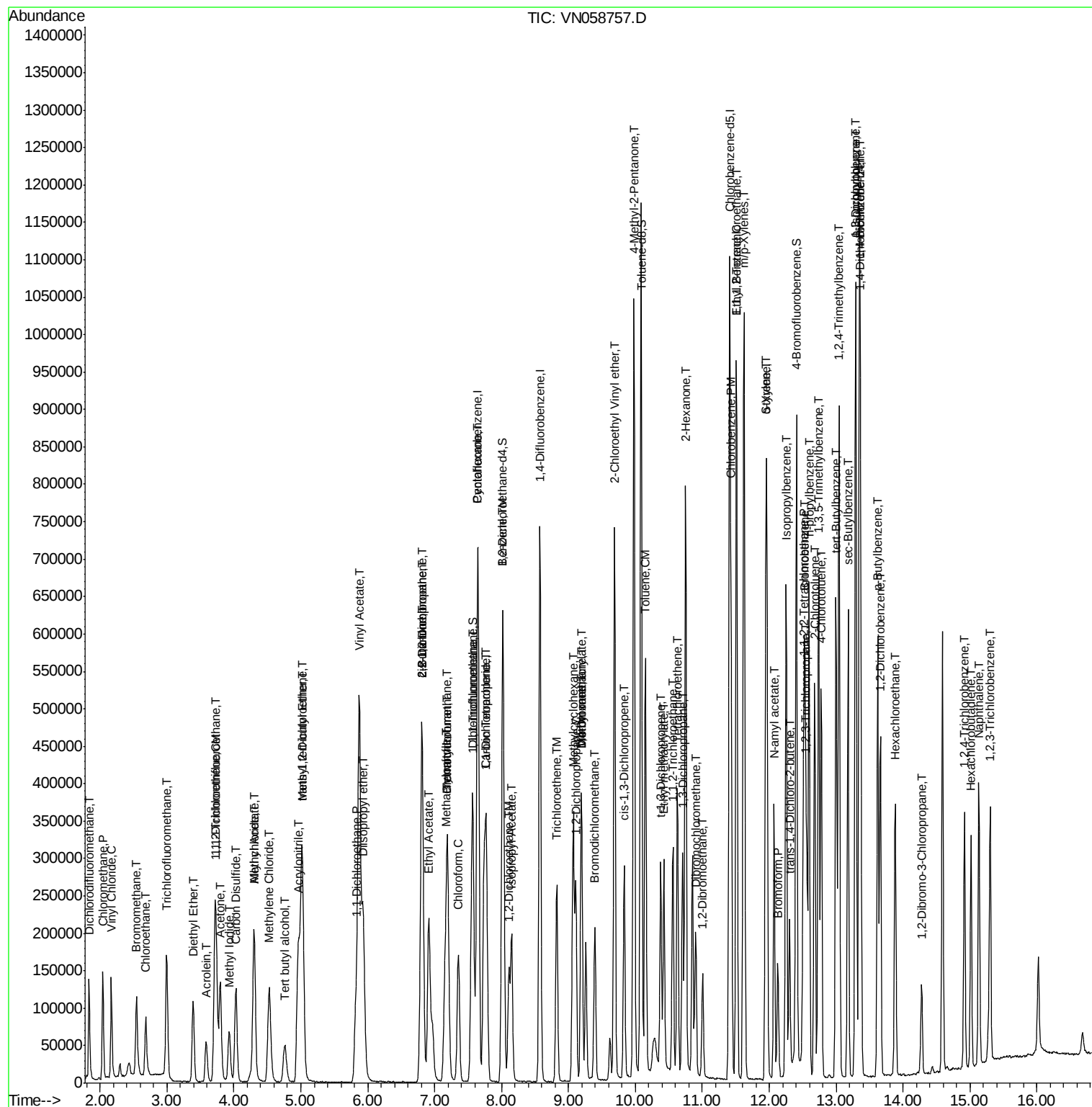
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Data File : VN058757.D  
Acq On : 14 Oct 2019 18:23  
Operator : JC/SP  
Sample : VN1014WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 17 Sample Multiplier: 1

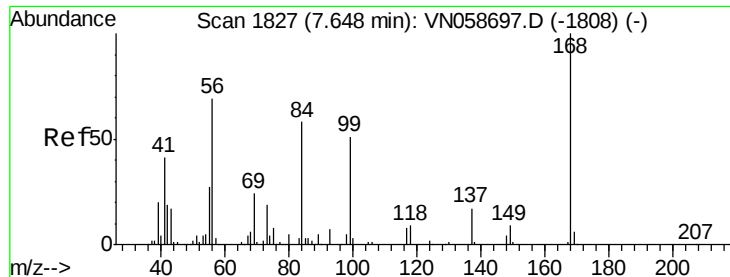
Instrument :  
MSVOA\_N  
Client Sample Id :  
VN1014WBSD01

Manual Integrations  
APPROVED

MMDadoda  
10/16/2019 12:57:13 AM

Quant Time: Oct 15 04:11:41 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 12 00:00:30 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1014WBSD01

Tot Ion:168 Resp: 387841

Ion Ratio Lower Upper

168 100

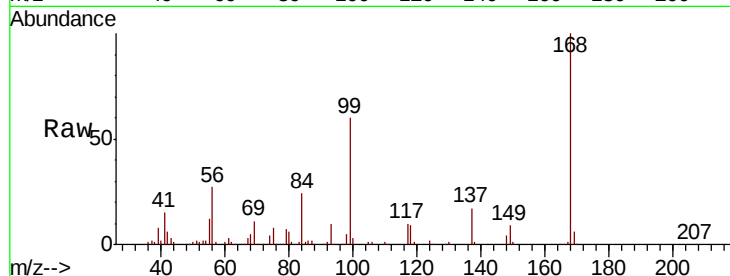
99 59.8 47.5 71.3

Manual Integrations

APPROVED

MMDadoda

10/16/2019 12:57:13 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.65

150000

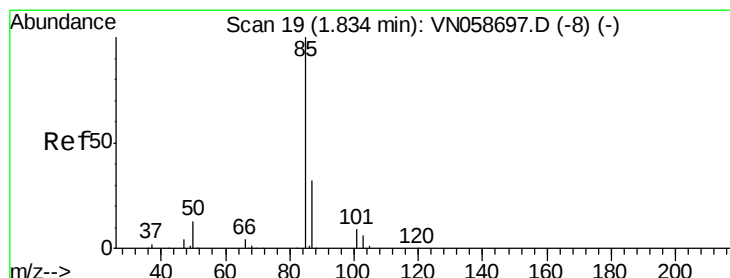
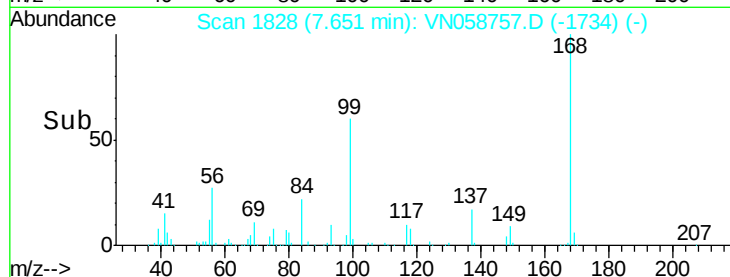
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.028 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058757.D

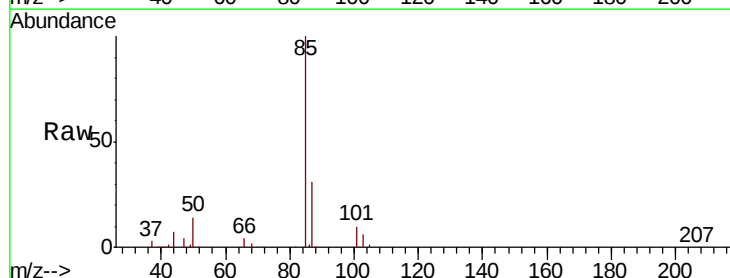
Acq: 14 Oct 2019 18:23

Tgt Ion: 85 Resp: 106403

Ion Ratio Lower Upper

85 100

87 31.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.83

80000

60000

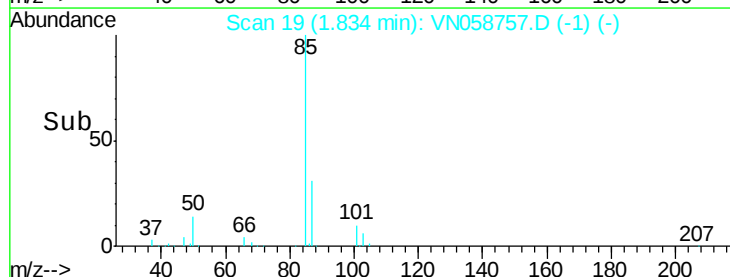
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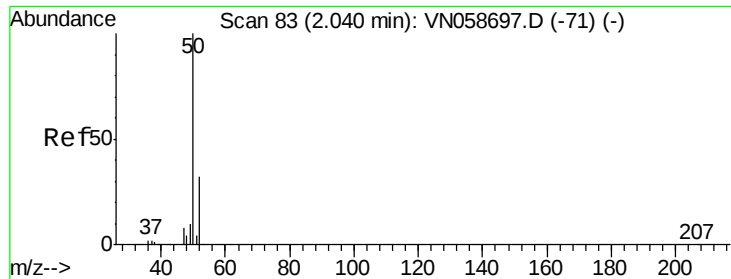
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1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.223 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 50 Resp: 121902

Ion Ratio Lower Upper

50 100

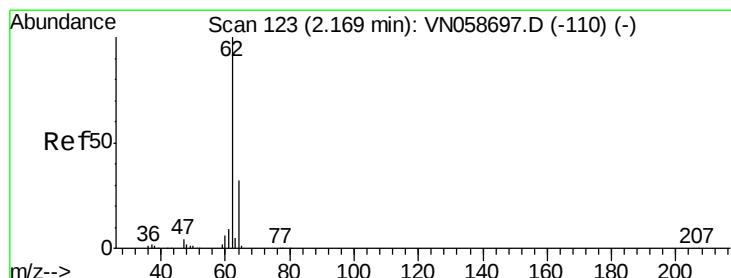
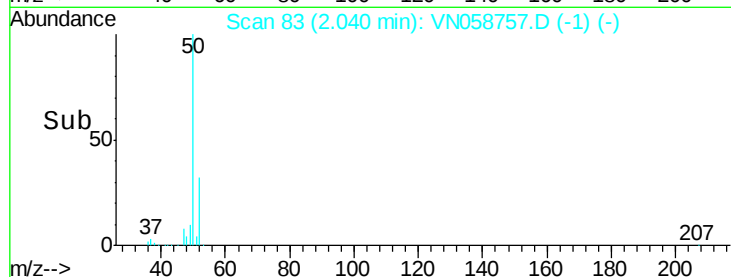
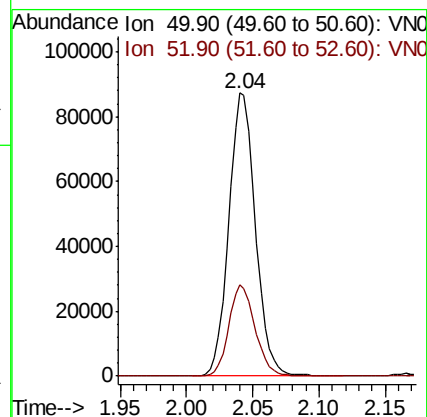
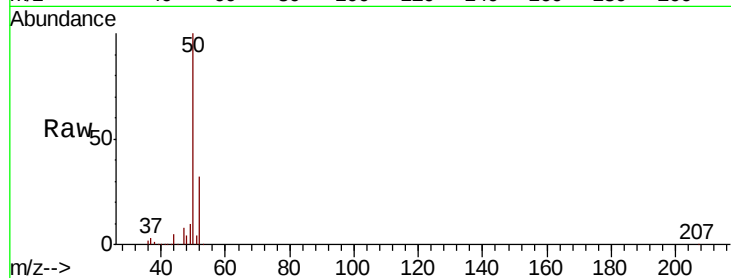
52 32.3 25.8 38.6

Manual Integrations

APPROVED

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10/16/2019 12:57:13 AM



#4

Vinyl Chloride

Concen: 21.329 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058757.D

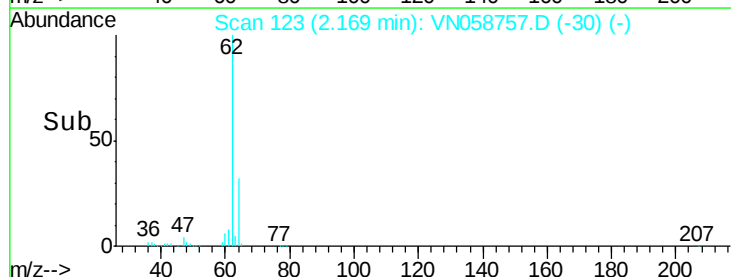
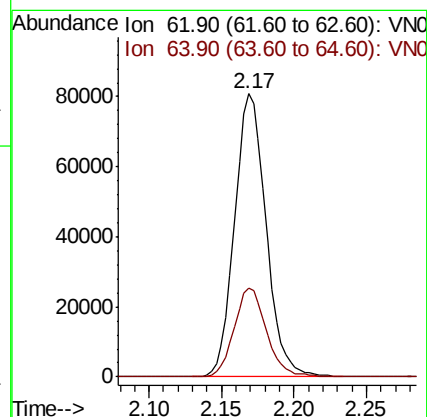
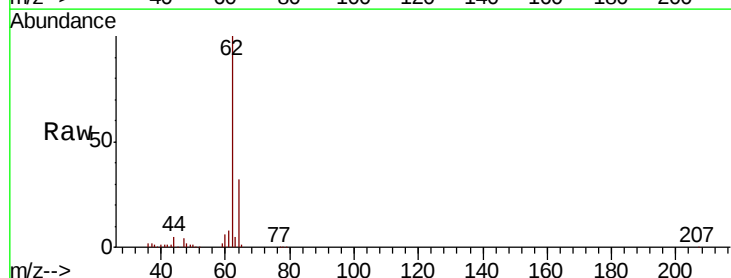
Acq: 14 Oct 2019 18:23

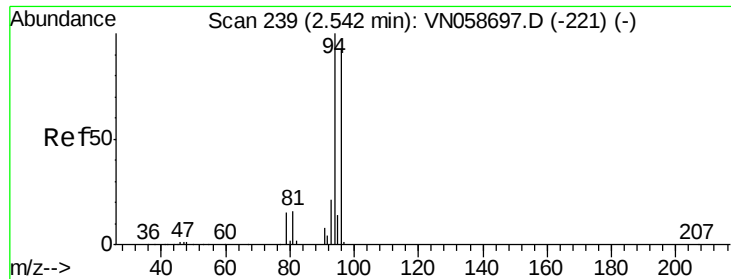
Tgt Ion: 62 Resp: 122016

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 21.378 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 94 Resp: 74399

Ion Ratio Lower Upper

94 100

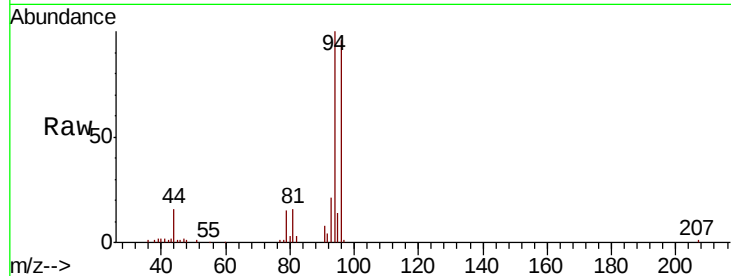
96 96.3 74.5 111.7

Manual Integrations

APPROVED

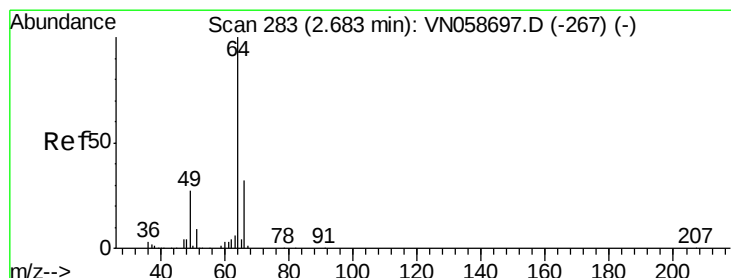
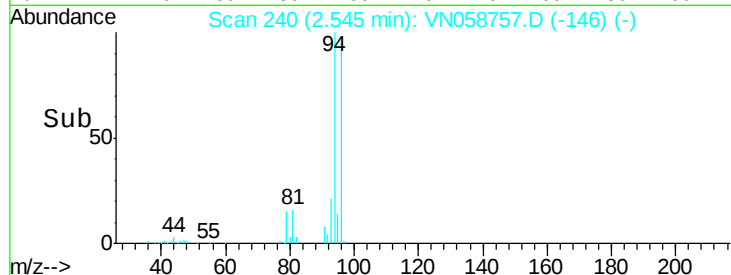
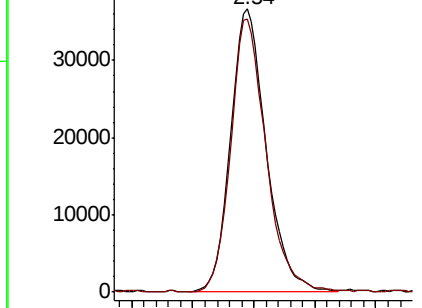
MMDadoda

10/16/2019 12:57:13 AM



Abundance Ion 93.90 (93.60 to 94.60): VN058757.D (-146) (-)

Ion 95.90 (95.60 to 96.60): VN058757.D (-146) (-)



#6

Chloroethane

Concen: 21.808 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058757.D

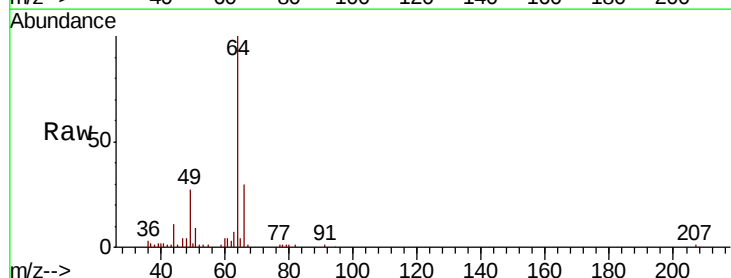
Acq: 14 Oct 2019 18:23

Tgt Ion: 64 Resp: 76954

Ion Ratio Lower Upper

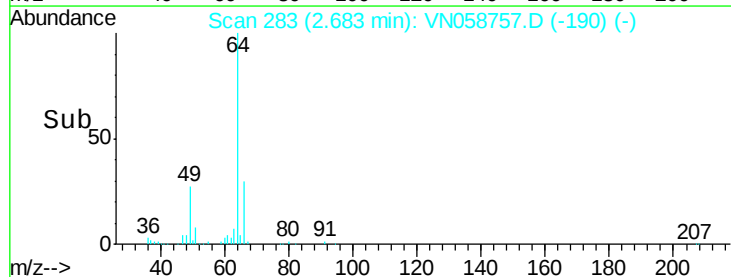
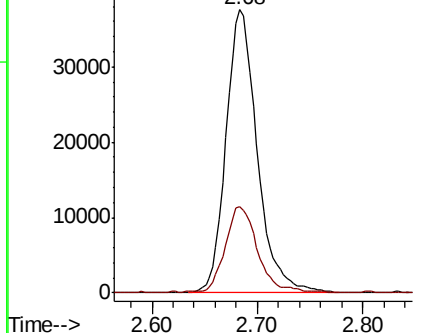
64 100

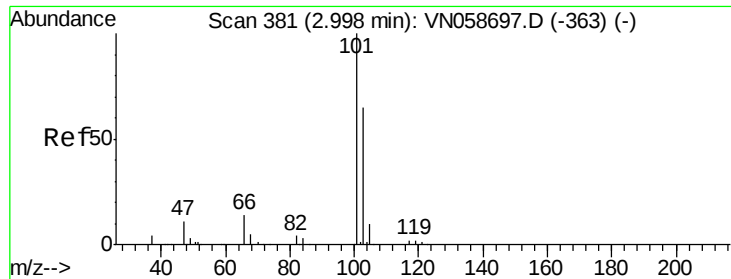
66 30.3 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN058757.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN058757.D (-190) (-)





#7

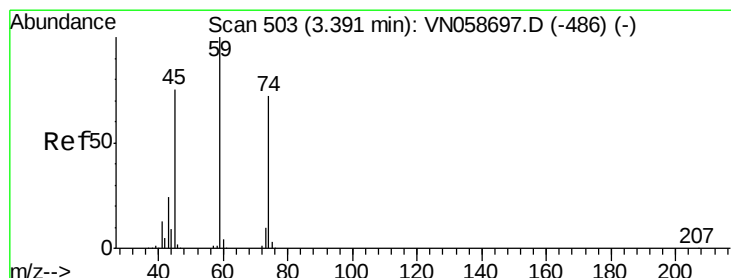
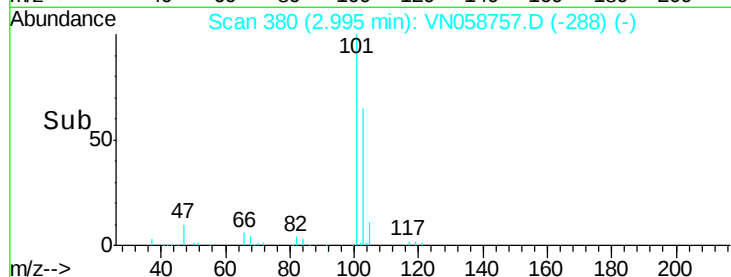
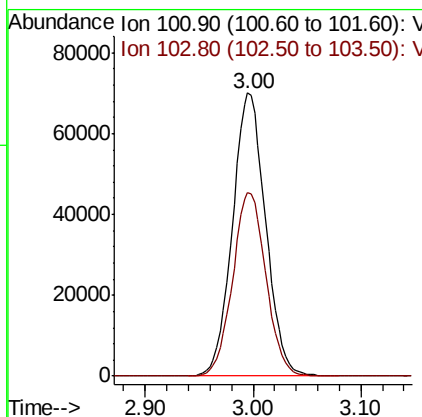
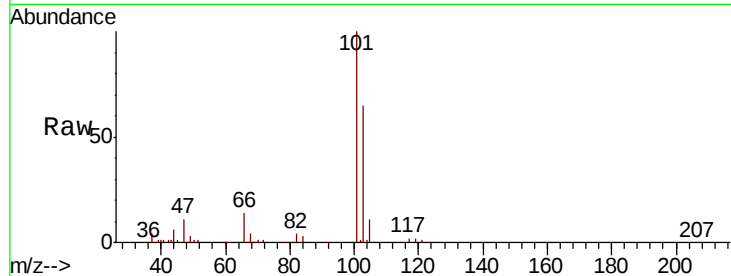
Trichlorofluoromethane  
Concen: 21.874 ug/l  
RT: 3.00 min Scan# 380  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.7  | 51.8  | 77.6  |

Manual Integrations  
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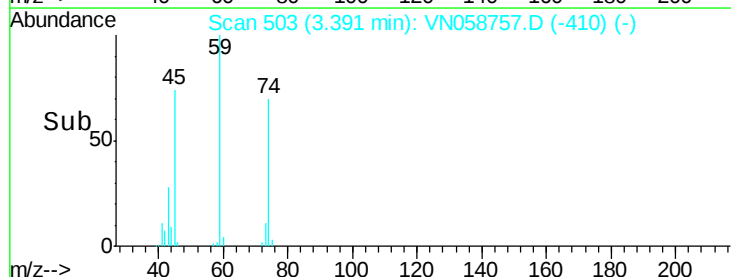
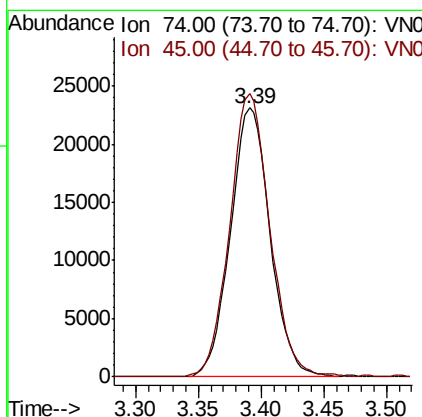
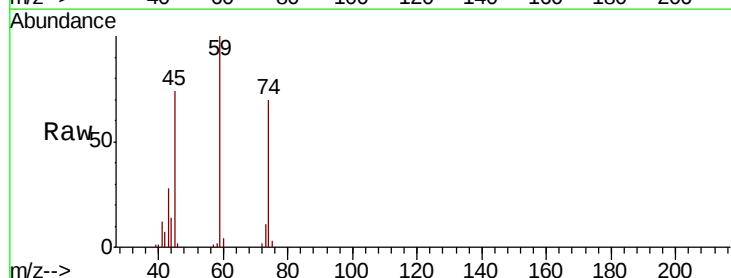
MMDadoda  
10/16/2019 12:57:13 AM

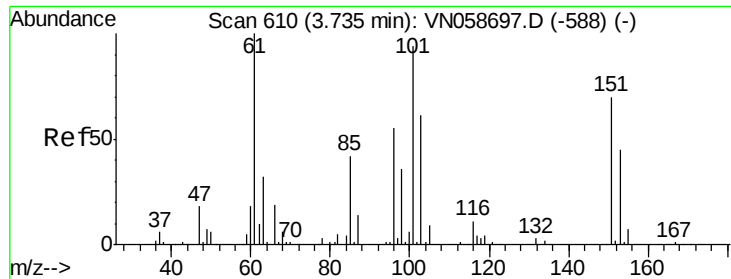


#8

Diethyl Ether  
Concen: 20.094 ug/l  
RT: 3.39 min Scan# 503  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 106.0 | 51.3  | 154.0 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.183 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

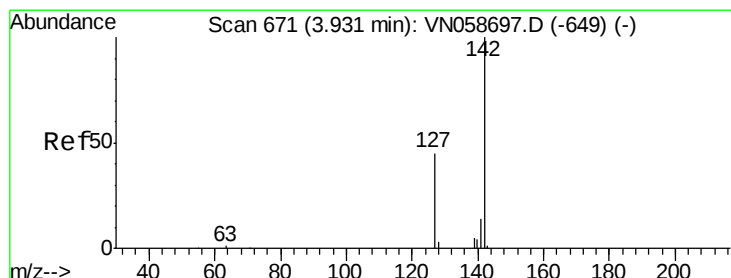
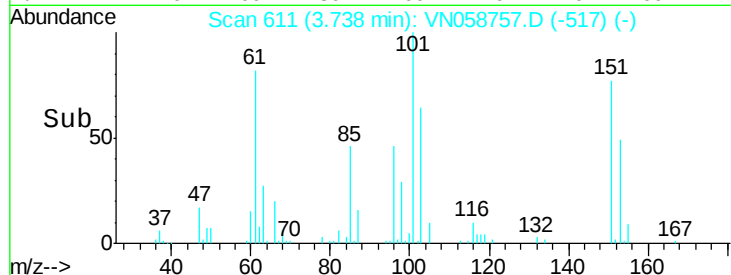
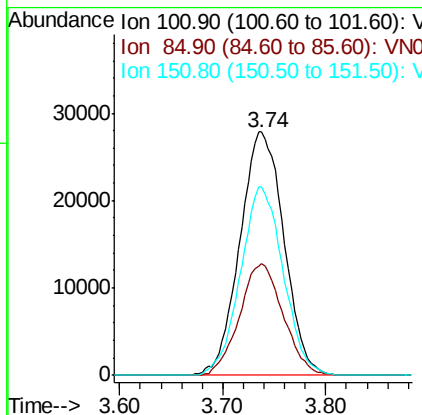
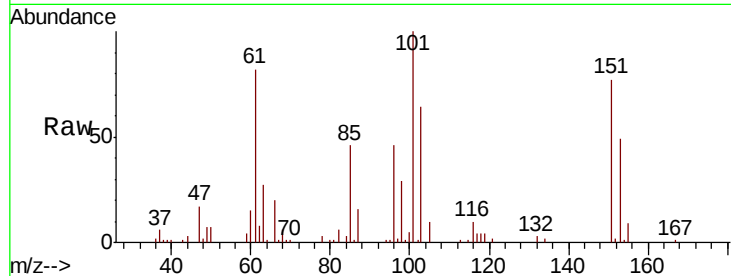
ClientSampleId :

VN1014WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 82694 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.4  | 37.0  | 55.6  |
| 151       | 75.1  | 61.8  | 92.6  |

Manual Integrations  
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MMDadoda  
10/16/2019 12:57:13 AM



#10

Methyl Iodide

Concen: 20.068 ug/l

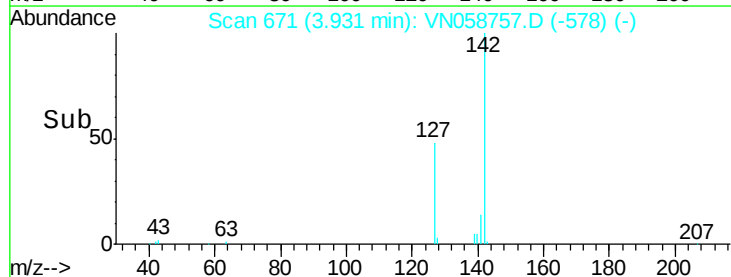
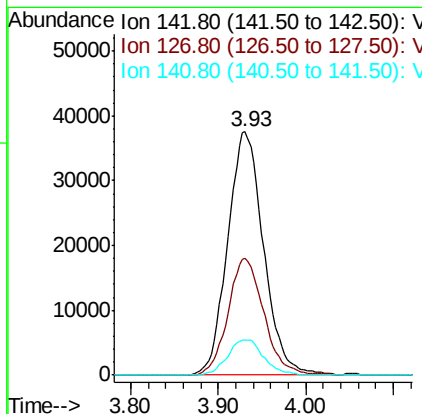
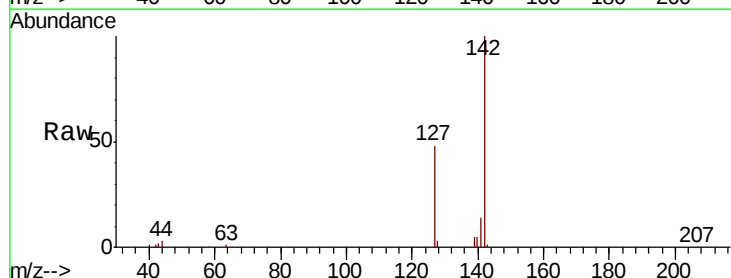
RT: 3.93 min Scan# 671

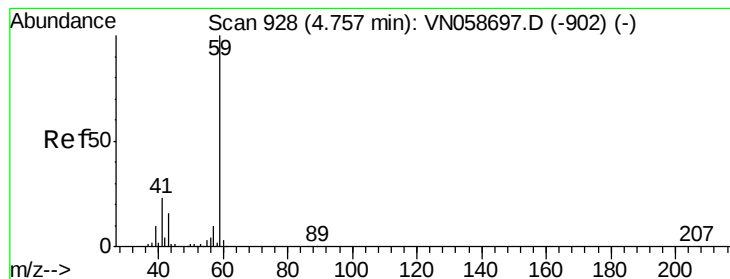
Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 106904 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 47.6  | 36.4  | 54.6   |
| 141       | 14.5  | 11.1  | 16.7   |





#11

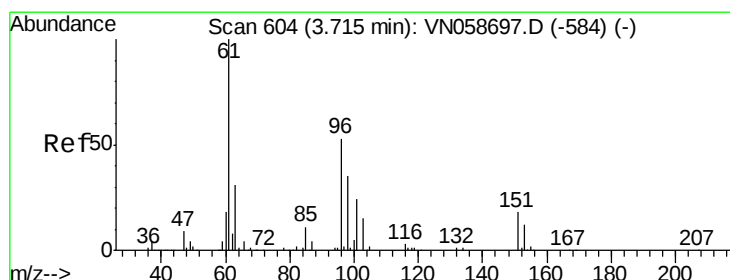
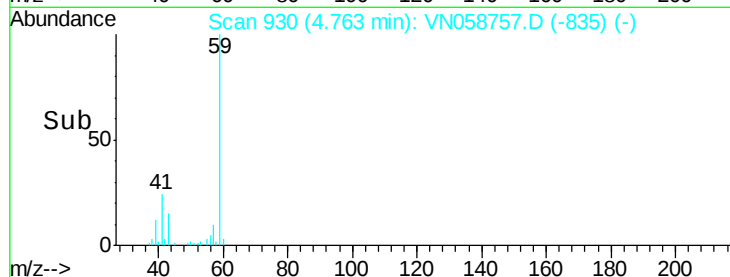
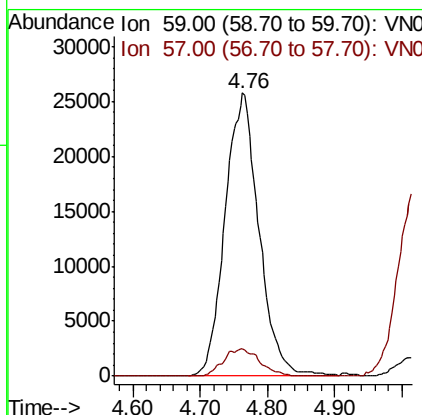
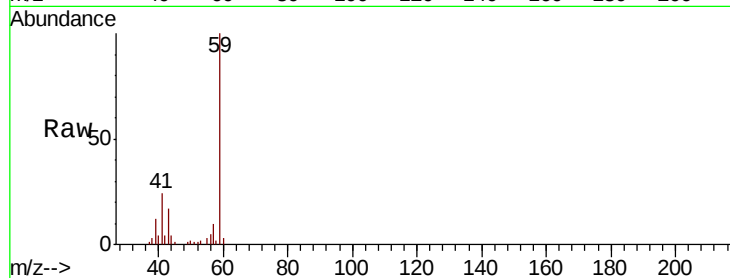
Tert butyl alcohol  
 Concen: 102.580 ug/l  
 RT: 4.76 min Scan# 930  
 Delta R.T. 0.01 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1014WBSD01

| Tot Ion   | 59   | Resp  | 90204 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.3 | 8.4   | 12.6  |

Manual Integrations  
 APPROVED

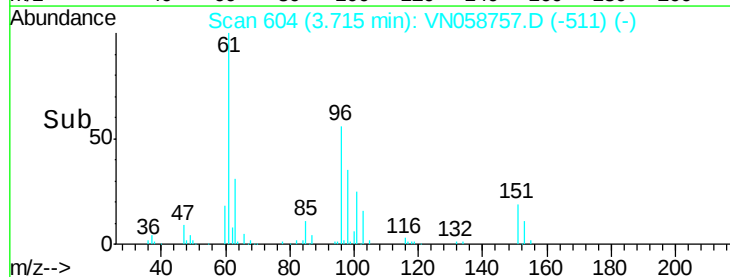
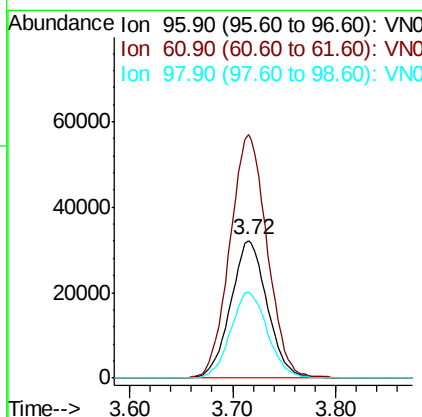
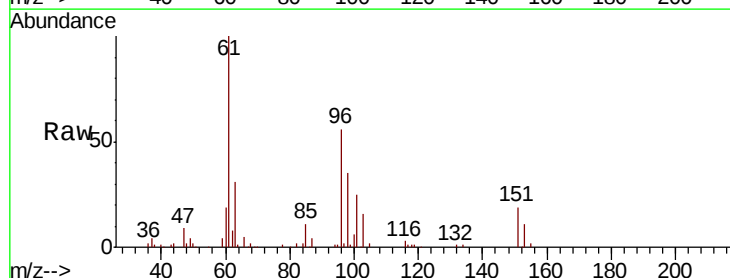
MMDadoda  
 10/16/2019 12:57:13 AM

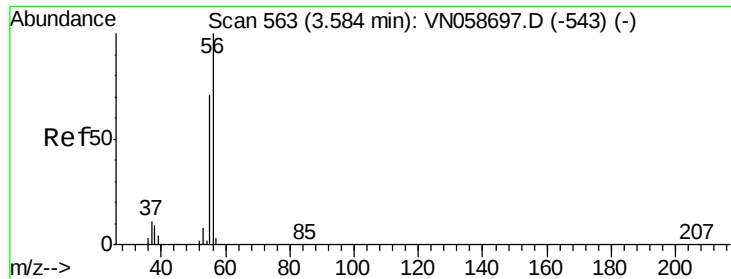


#12

1,1-Dichloroethene  
 Concen: 21.323 ug/l  
 RT: 3.72 min Scan# 604  
 Delta R.T. -0.00 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

| Tgt Ion   | 96    | Resp  | 79421 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 176.7 | 151.3 | 226.9 |
| 98        | 62.4  | 52.6  | 78.8  |





#13

Acrolein

Concen: 81.751 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 56 Resp: 57816

Ion Ratio Lower Upper

56 100

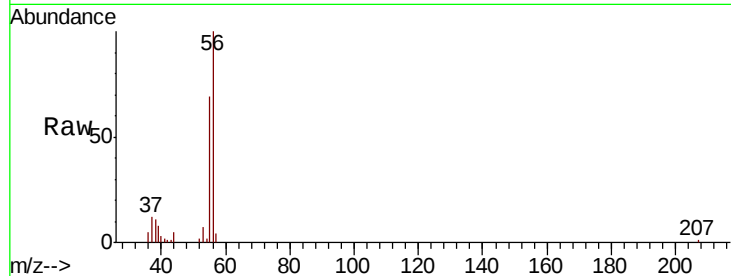
55 74.2 56.7 85.1

Manual Integrations

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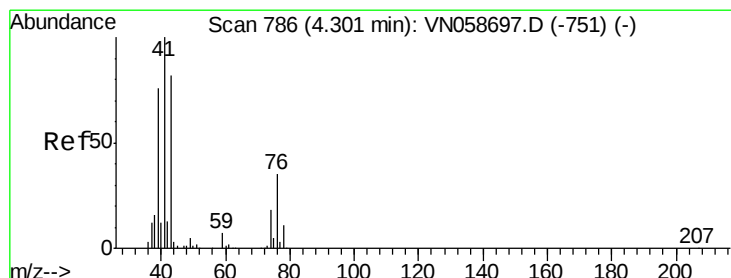
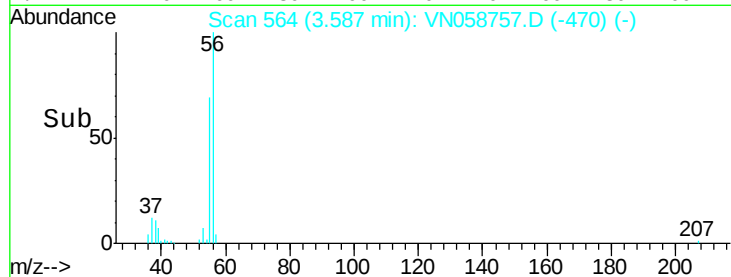
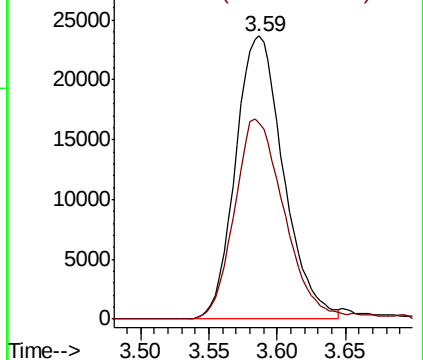
MMDadoda

10/16/2019 12:57:13 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.796 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

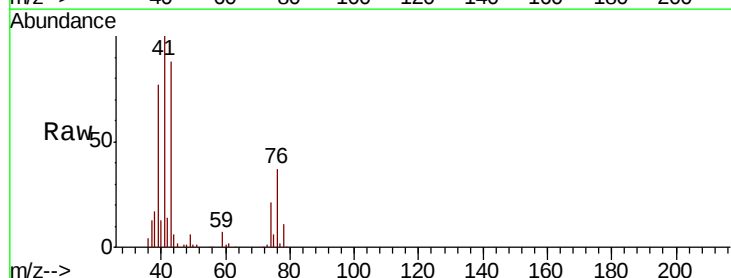
Tgt Ion: 41 Resp: 148798

Ion Ratio Lower Upper

41 100

39 73.6 57.2 85.8

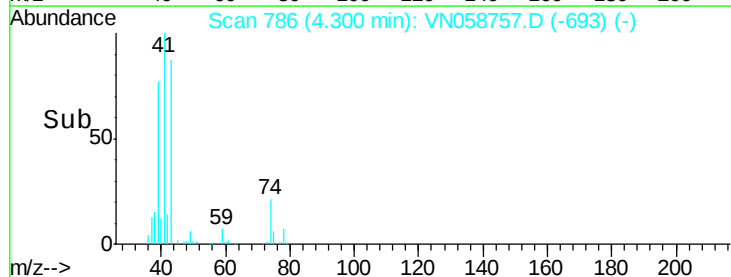
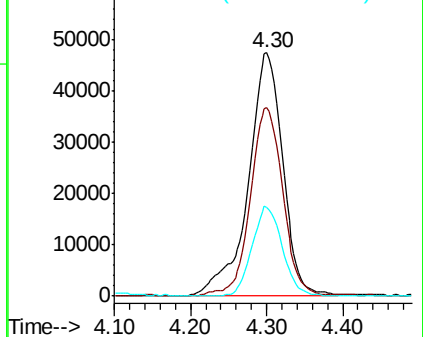
76 32.4 25.0 37.6

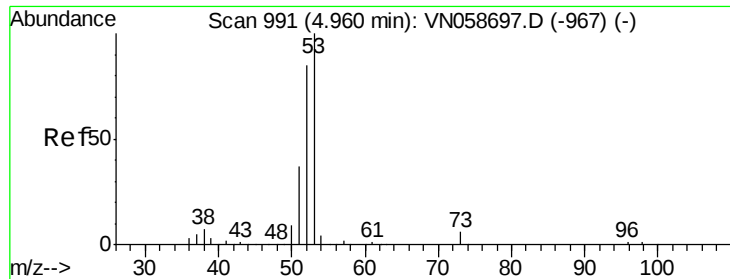


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 108.026 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

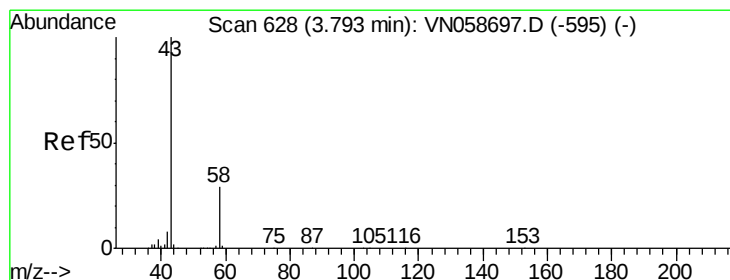
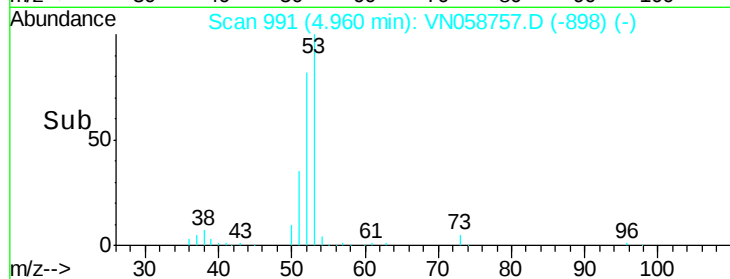
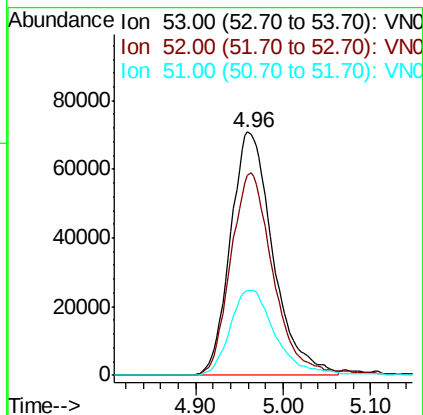
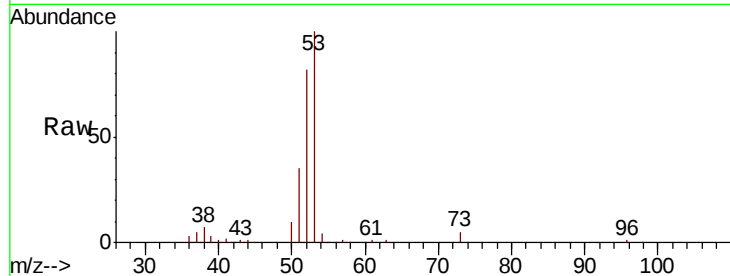
ClientSampleId :

VN1014WBSD01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 239557 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 82.1 | 66.2  | 99.2   |
| 51        | 37.3 | 29.4  | 44.2   |

Manual Integrations  
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MMDadoda  
10/16/2019 12:57:13 AM



#16

Acetone

Concen: 97.107 ug/l

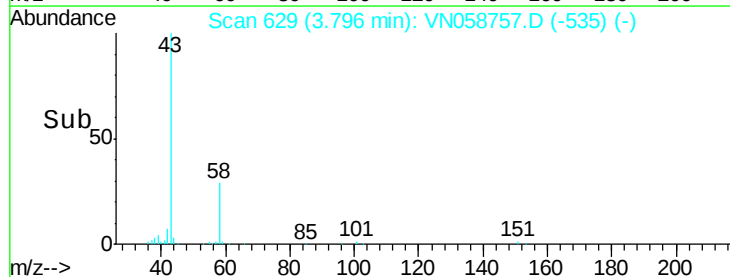
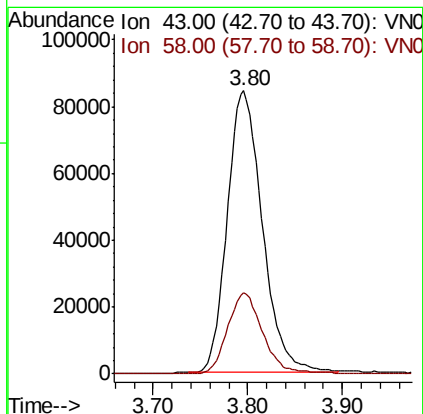
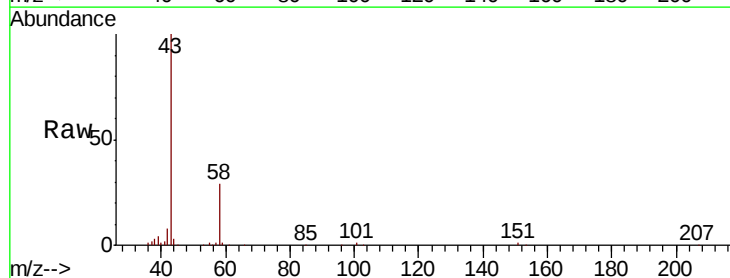
RT: 3.80 min Scan# 629

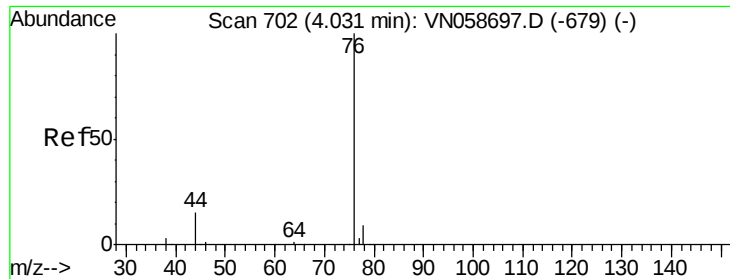
Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 218283 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 28.7 | 23.3  | 34.9   |





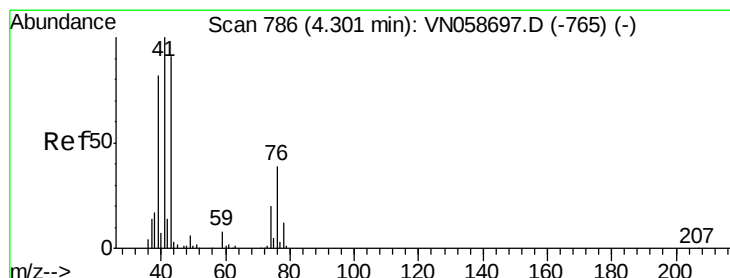
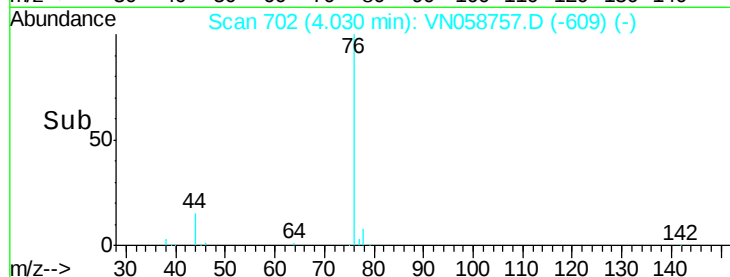
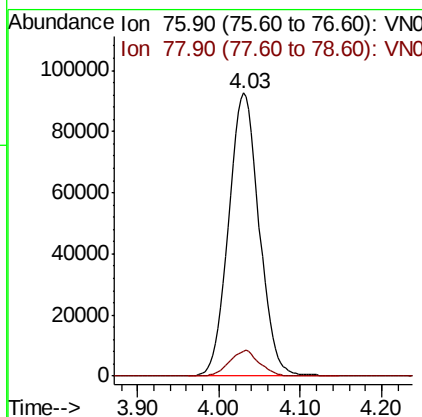
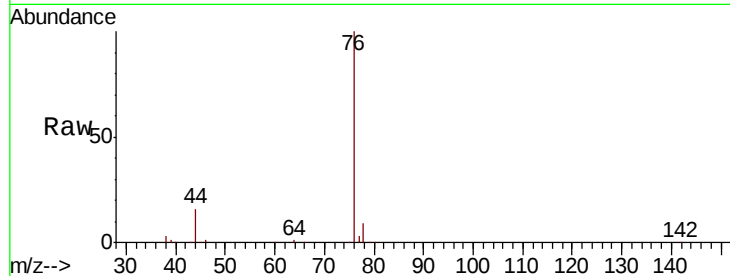
#17  
Carbon Disulfide  
Concen: 20.405 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.9   | 7.1   | 10.7  |

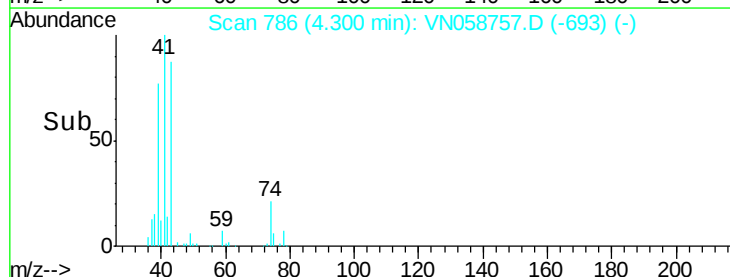
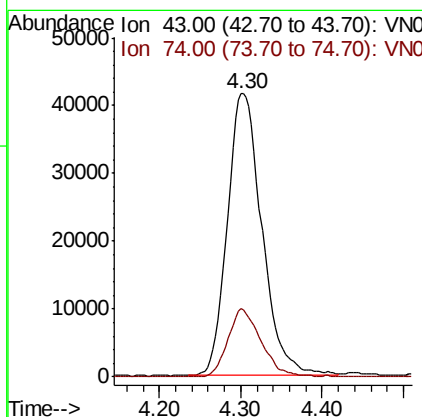
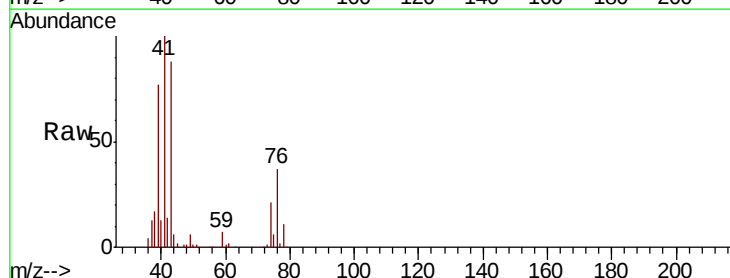
Manual Integrations  
APPROVED

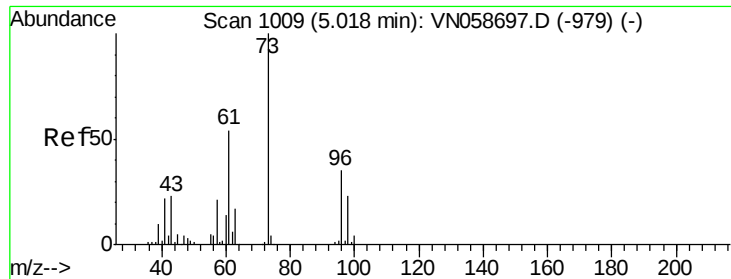
MMDadoda  
10/16/2019 12:57:13 AM



#18  
Methyl Acetate  
Concen: 21.655 ug/l  
RT: 4.30 min Scan# 786  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.2  | 17.2  | 25.8  |





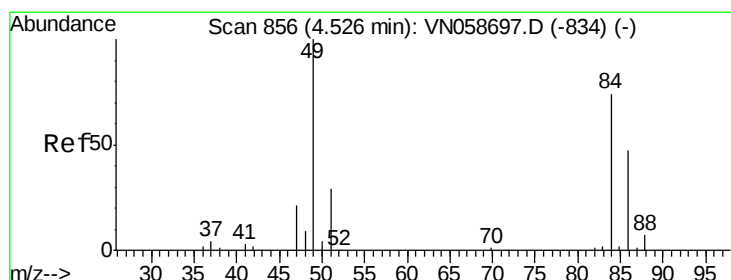
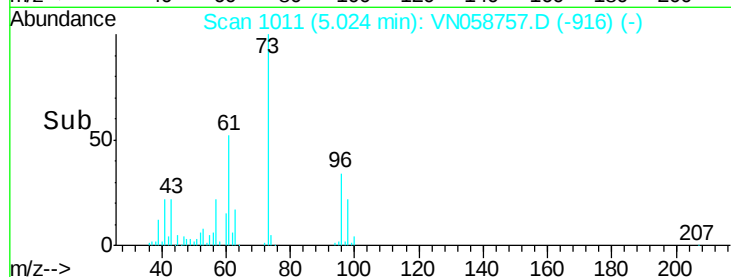
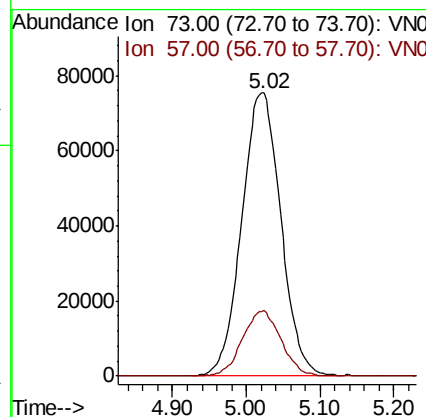
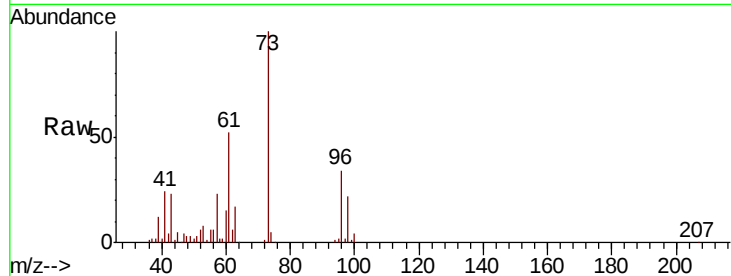
#19  
Methyl tert-butyl Ether  
Concen: 20.951 ug/l  
RT: 5.02 min Scan# 1011  
Delta R.T. 0.01 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

Tot Ion: 73 Resp: 278648  
Ion Ratio Lower Upper  
73 100  
57 23.1 17.0 25.6

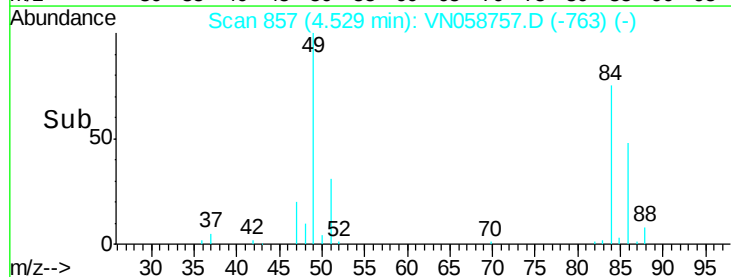
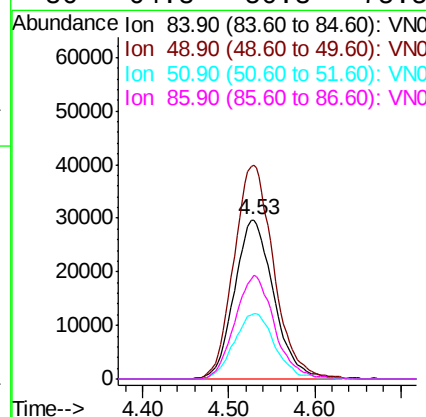
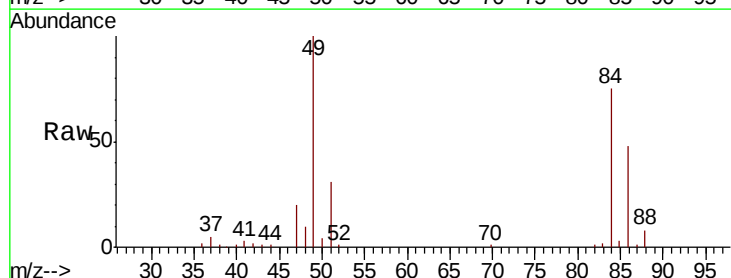
Manual Integrations  
APPROVED

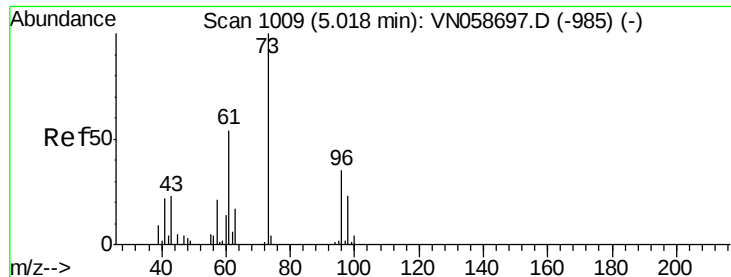
MMDadoda  
10/16/2019 12:57:13 AM



#20  
Methylene Chloride  
Concen: 20.119 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Tgt Ion: 84 Resp: 94518  
Ion Ratio Lower Upper  
84 100  
49 134.1 107.6 161.4  
51 40.9 31.4 47.0  
86 64.8 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.734 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 96 Resp: 86385

Ion Ratio Lower Upper

96 100

61 154.1 123.6 185.4

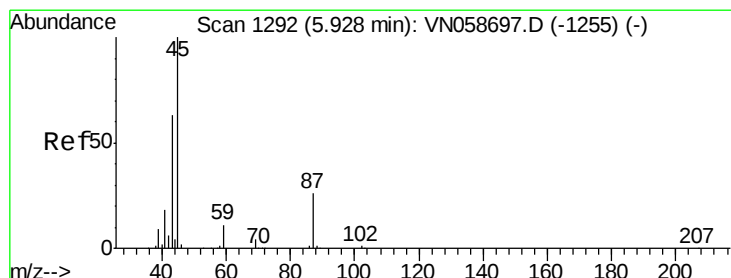
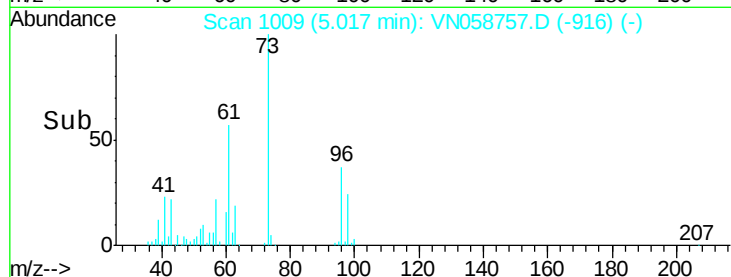
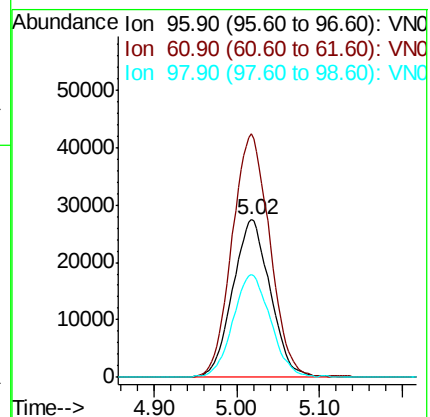
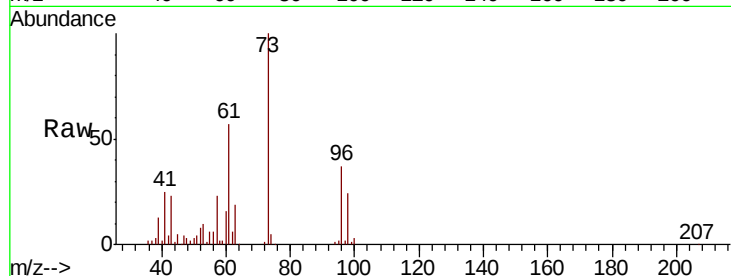
98 65.5 52.1 78.1

Manual Integrations

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MMDadoda

10/16/2019 12:57:13 AM



#22

Diisopropyl ether

Concen: 21.086 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Tgt Ion: 45 Resp: 308169

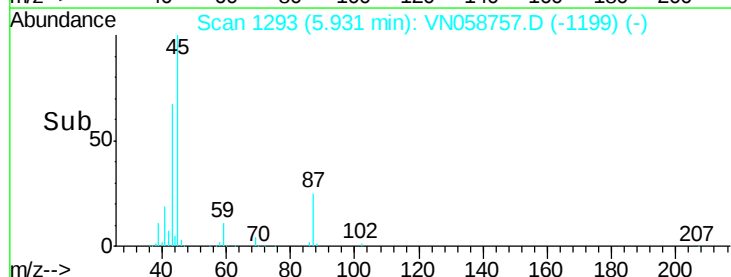
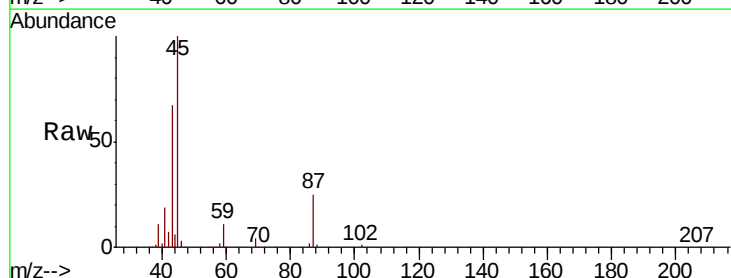
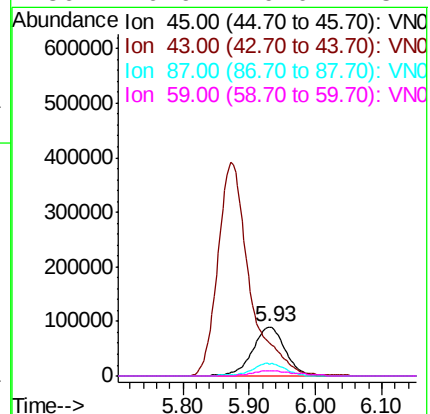
Ion Ratio Lower Upper

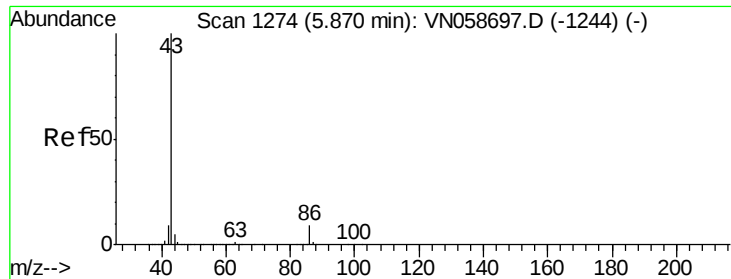
45 100

43 65.6 50.6 75.8

87 24.7 21.1 31.7

59 10.9 9.0 13.4





#23

Vinyl Acetate

Concen: 110.762 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 43 Resp: 1306183

Ion Ratio Lower Upper

43 100

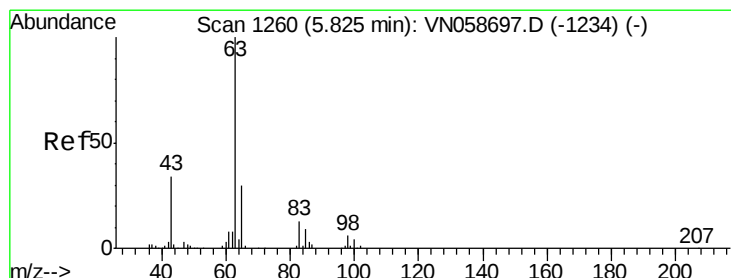
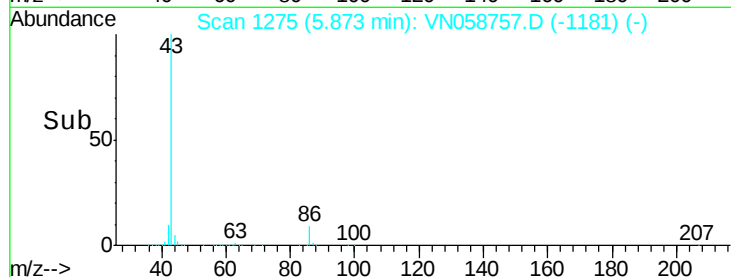
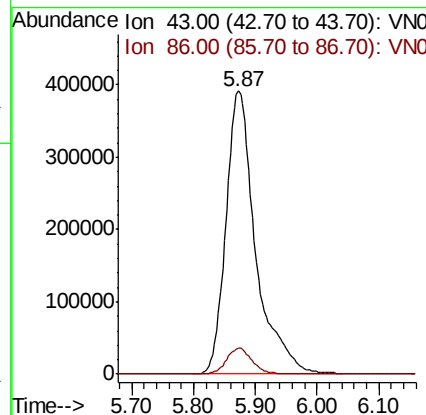
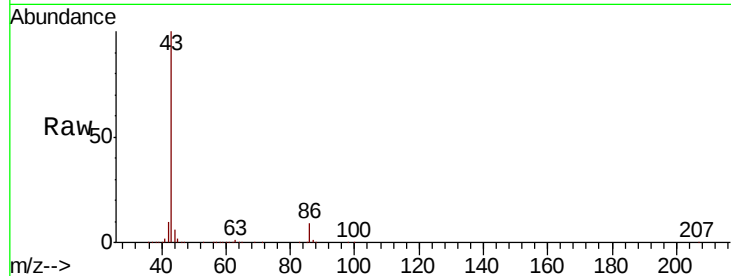
86 9.0 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 21.233 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

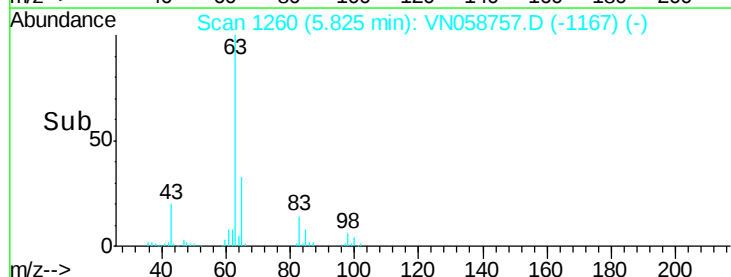
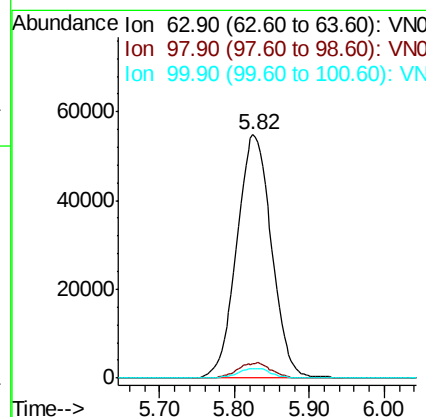
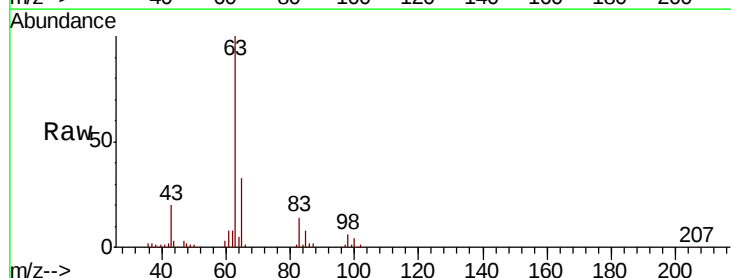
Tgt Ion: 63 Resp: 176738

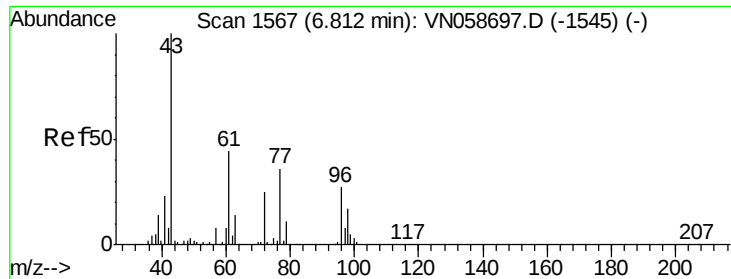
Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

100 3.8 1.8 5.5





#25

2-Butanone

Concen: 102.614 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 43 Resp: 333398

Ion Ratio Lower Upper

43 100

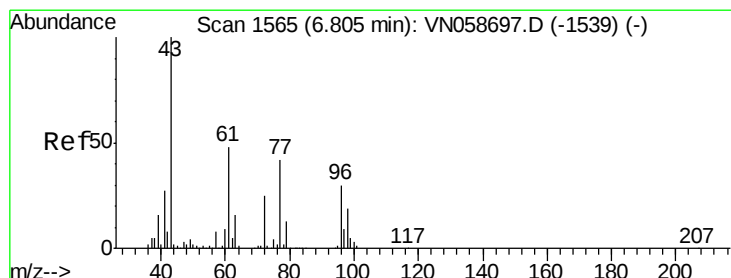
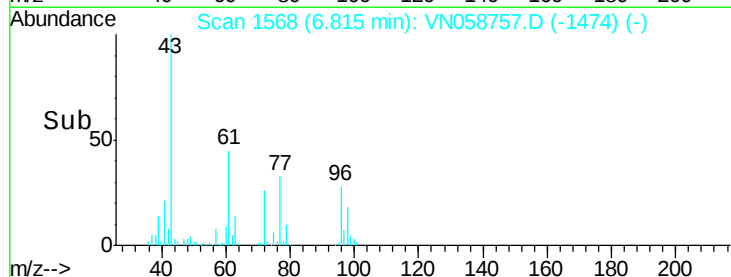
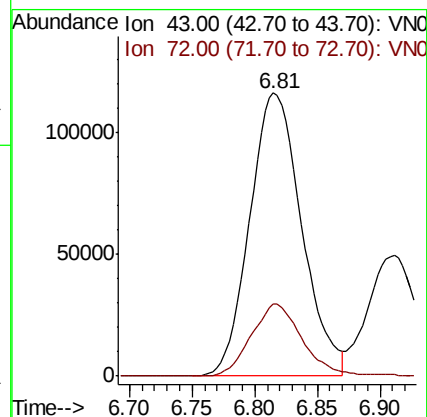
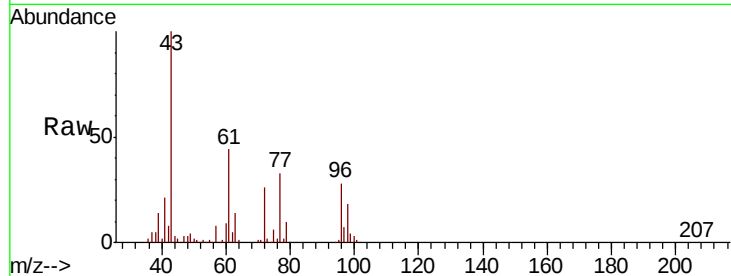
72 25.7 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.590 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058757.D

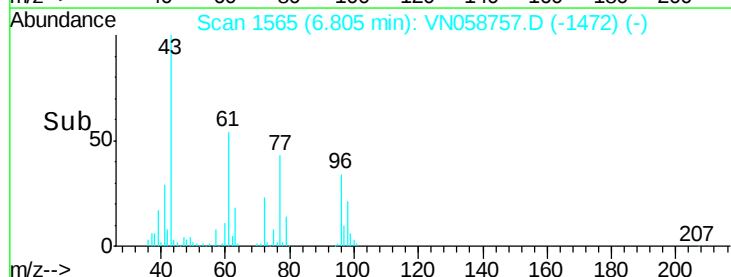
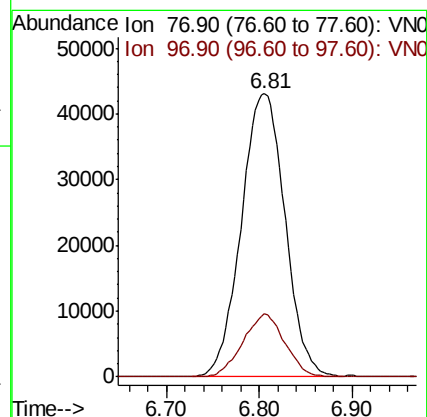
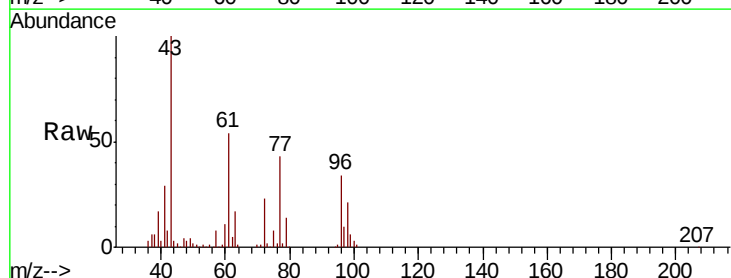
Acq: 14 Oct 2019 18:23

Tgt Ion: 77 Resp: 141246

Ion Ratio Lower Upper

77 100

97 21.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.508 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

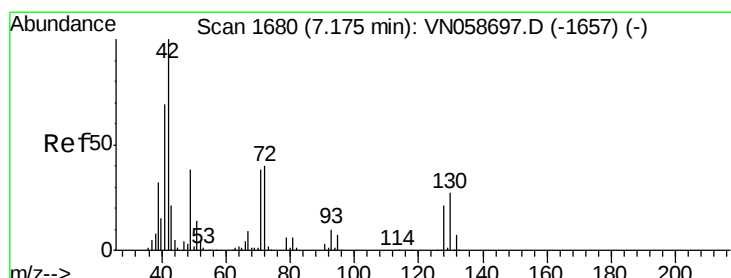
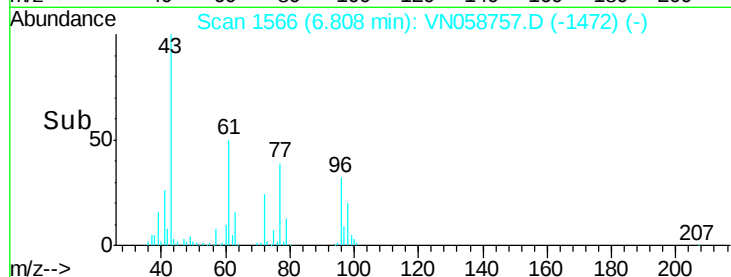
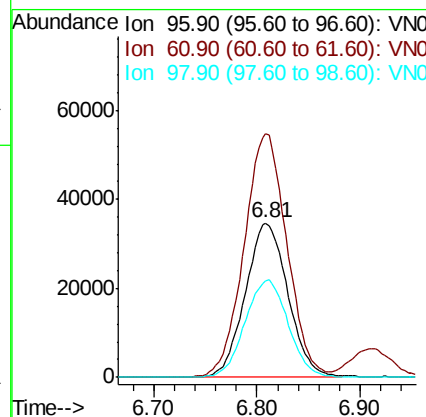
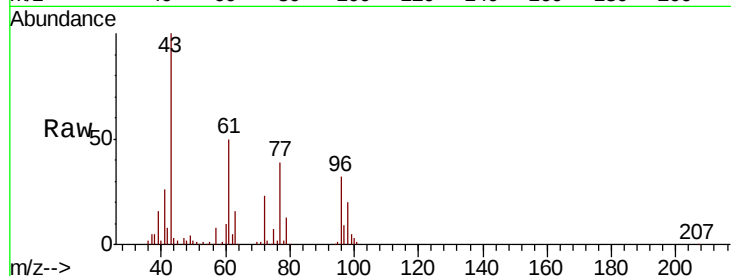
ClientSampleId :

VN1014WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 99638 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 158.4 | 0.0   | 324.8 |
| 98       | 63.7  | 0.0   | 129.2 |

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#28

Bromochloromethane

Concen: 21.032 ug/l

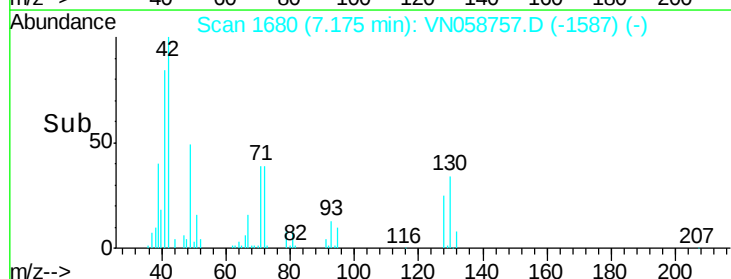
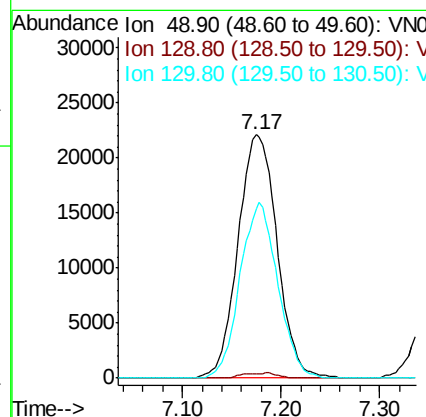
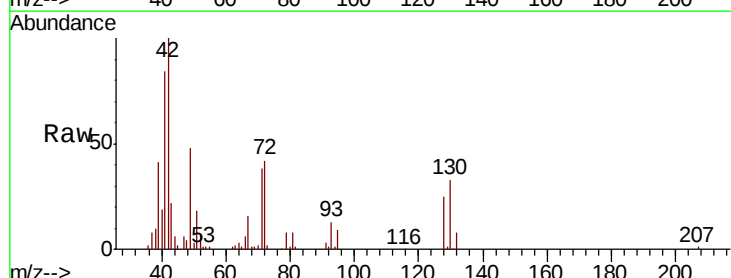
RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 60903 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.8   | 0.0   | 3.6   |
| 130      | 69.4  | 55.0  | 82.4  |





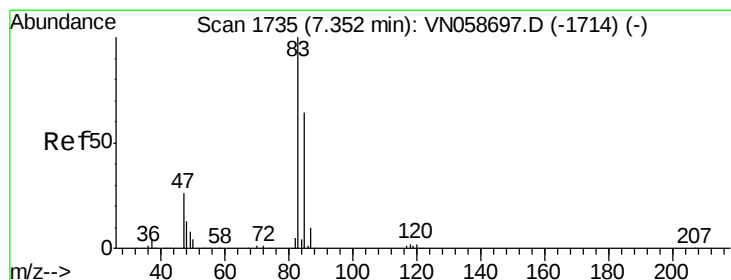
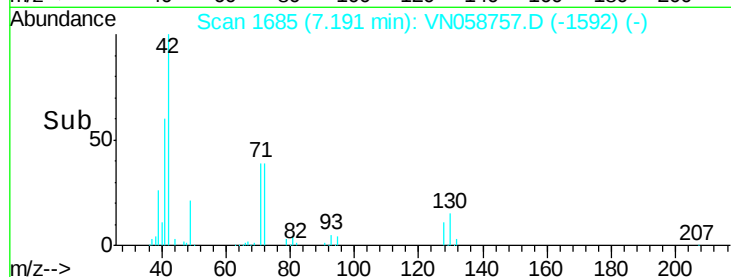
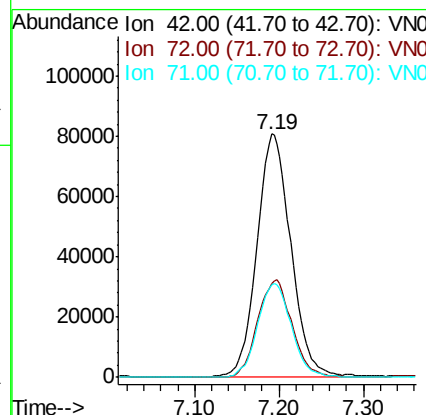
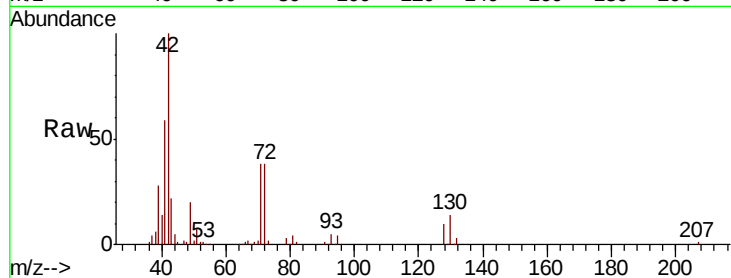
#29  
Tetrahydrofuran  
Concen: 107.531 ug/l  
RT: 7.19 min Scan# 1685  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.6  | 32.8  | 49.2  |
| 71      | 38.3  | 31.1  | 46.7  |

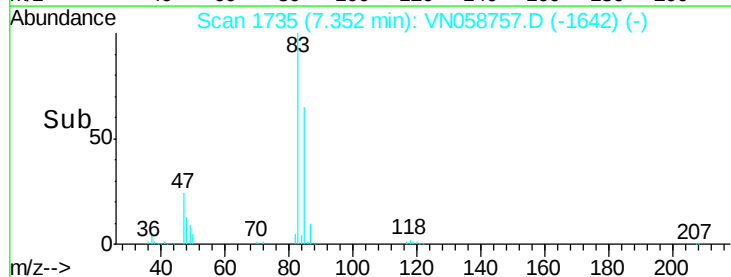
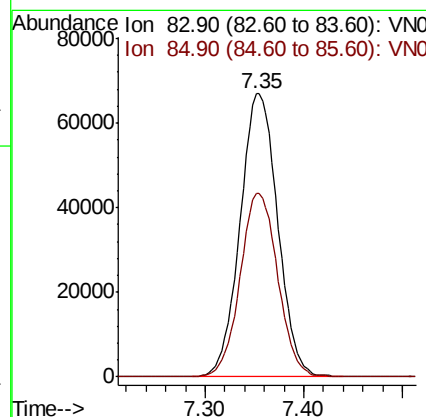
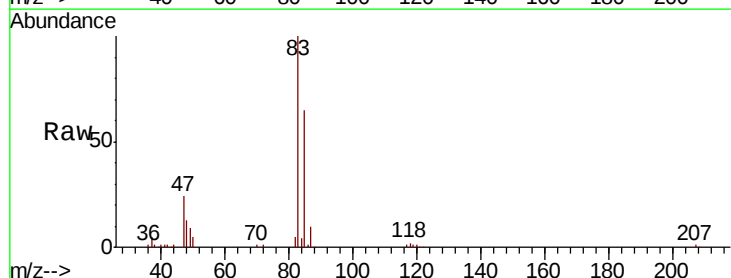
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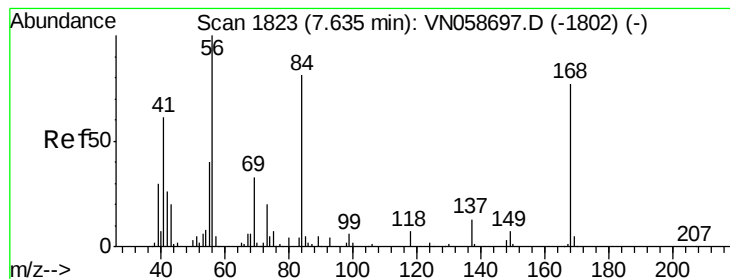
MMDadoda  
10/16/2019 12:57:13 AM



#30  
Chloroform  
Concen: 21.147 ug/l  
RT: 7.35 min Scan# 1735  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.0  | 51.0  | 76.6  |





#31

Cyclohexane

Concen: 20.039 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

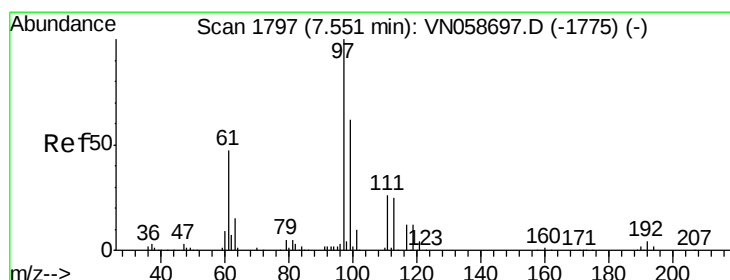
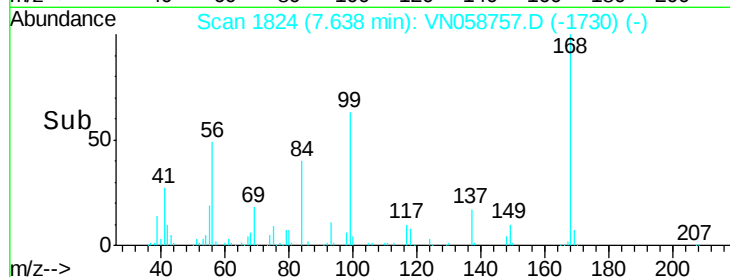
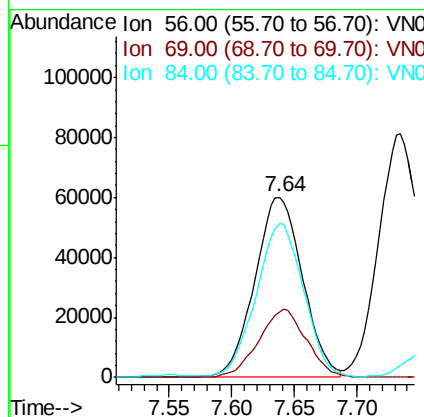
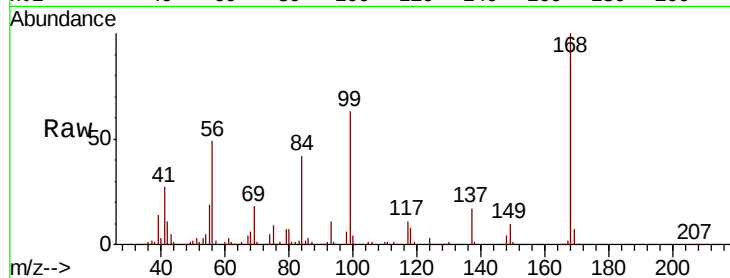
ClientSampleId :

VN1014WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 159591 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 36.4  | 26.2  | 39.4   |
| 84        | 84.7  | 64.9  | 97.3   |

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#32

1,1,1-Trichloroethane

Concen: 21.508 ug/l

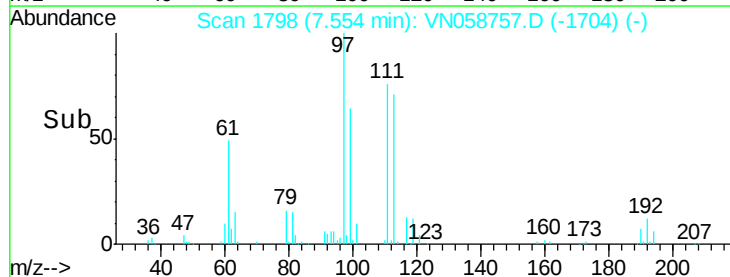
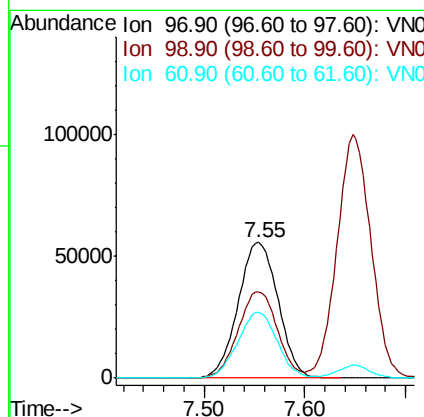
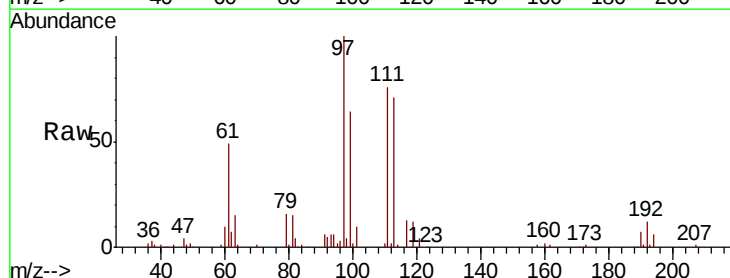
RT: 7.55 min Scan# 1798

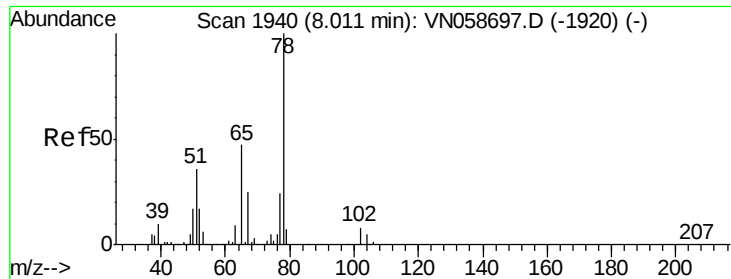
Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 153397 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 62.6  | 50.8  | 76.2   |
| 61        | 47.9  | 38.1  | 57.1   |





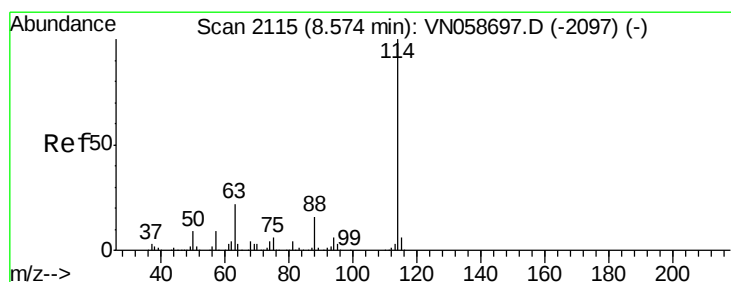
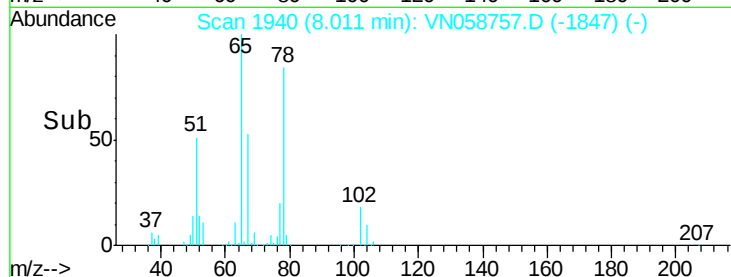
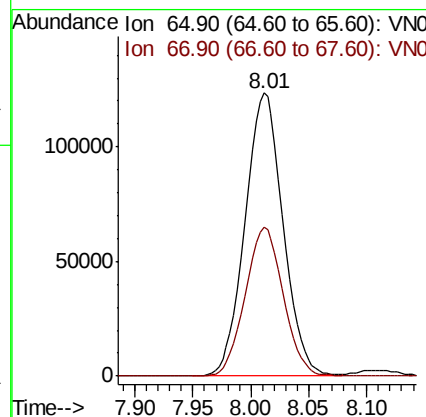
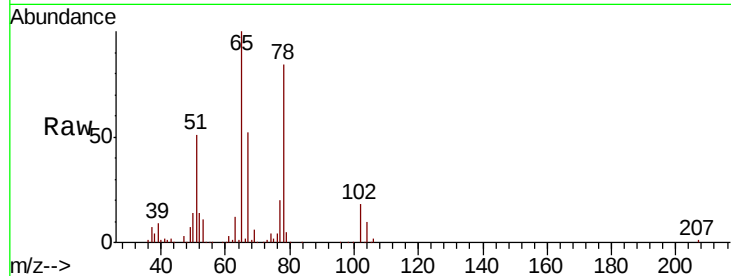
#33  
 1,2-Dichloroethane-d4  
 Concen: 52.000 ug/l  
 RT: 8.01 min Scan# 1940  
 Delta R.T. -0.00 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1014WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 282345 |       |       |
| 67      | 52.6  | 0.0    | 103.8 |       |

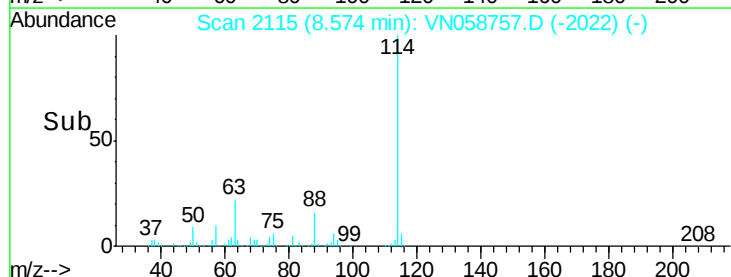
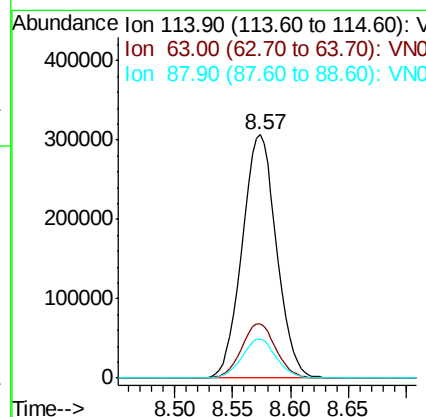
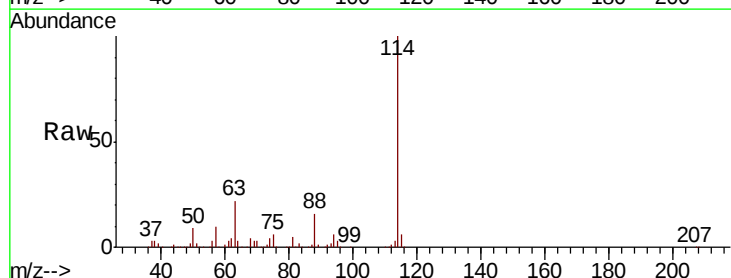
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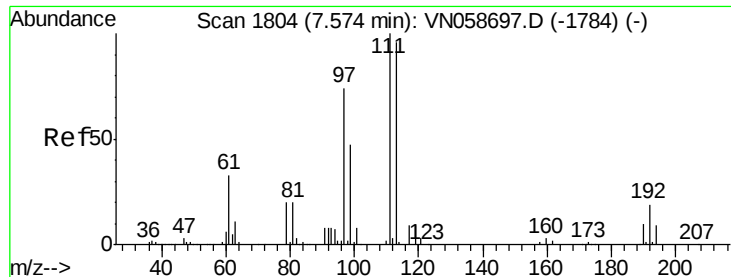
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. -0.00 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 632078 |       |       |
| 63      | 22.3  | 0.0    | 43.8  |       |
| 88      | 16.1  | 0.0    | 32.0  |       |





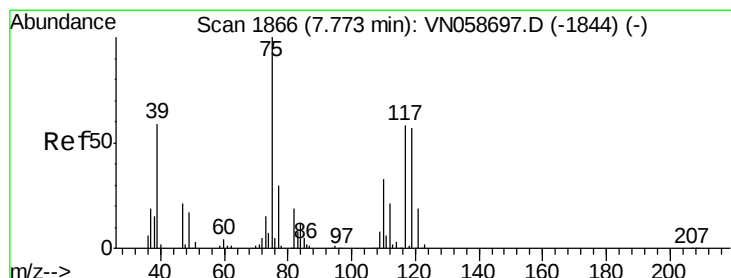
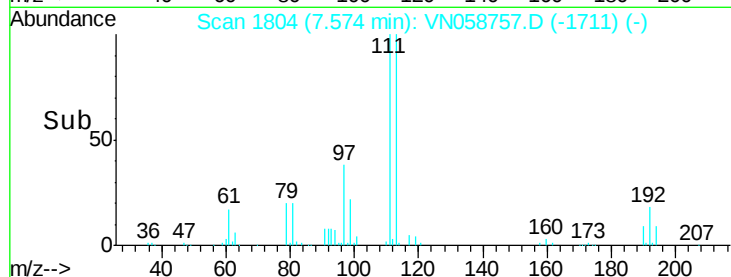
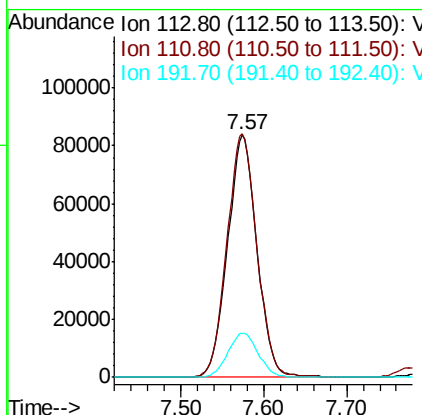
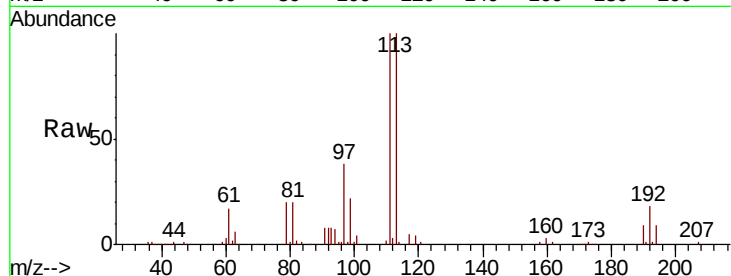
#35  
Dibromofluoromethane  
Concen: 53.020 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 207003 |       |       |
| 111     | 102.3 |        | 82.3  | 123.5 |
| 192     | 18.8  |        | 15.0  | 22.6  |

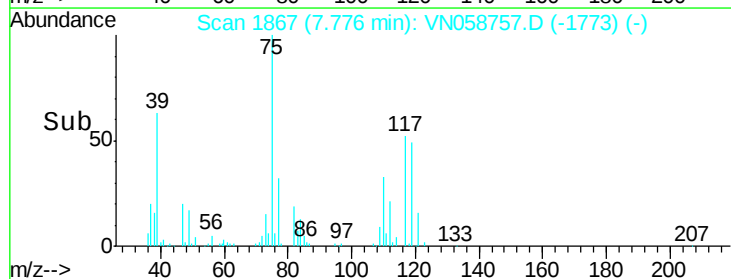
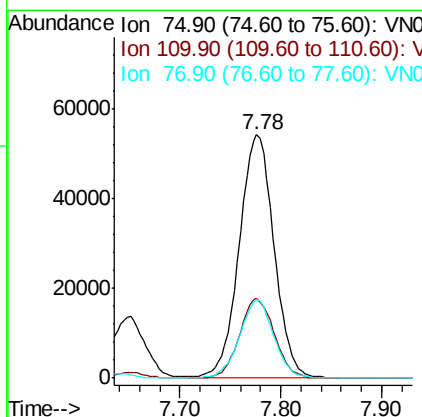
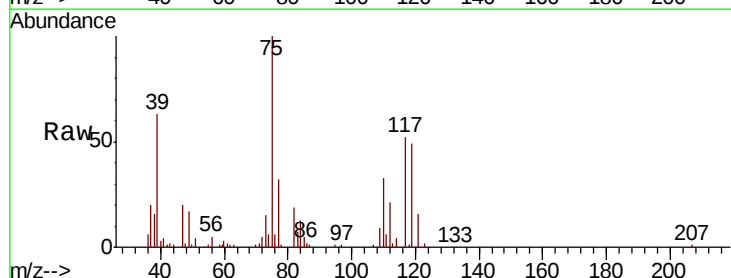
Manual Integrations  
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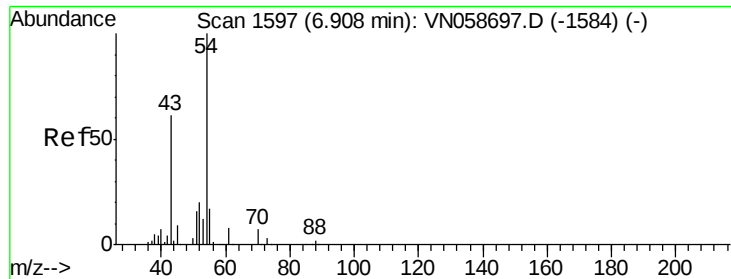
MMDadoda  
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#36  
1,1-Dichloropropene  
Concen: 20.165 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 128869 |       |       |
| 110     | 32.7  |        | 16.6  | 49.8  |
| 77      | 31.9  |        | 24.6  | 37.0  |





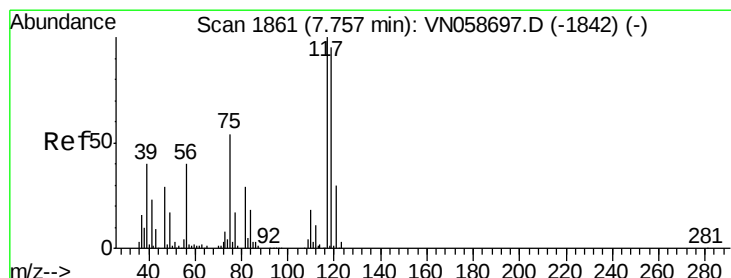
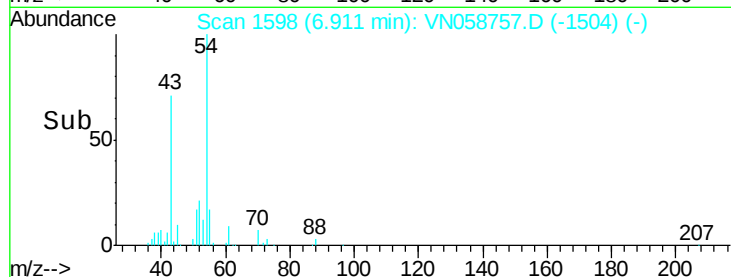
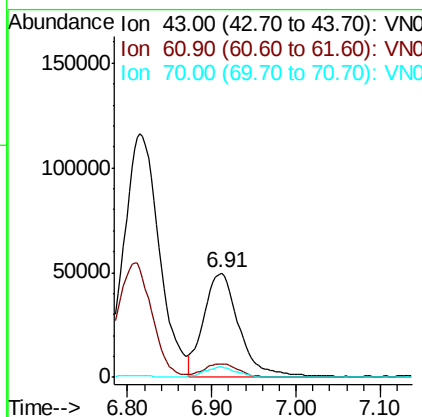
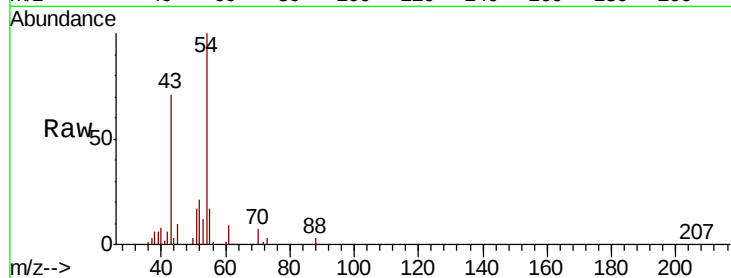
#37  
Ethyl Acetate  
Concen: 22.142 ug/l  
RT: 6.91 min Scan# 1598  
Delta R.T. 0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.3  | 11.3  | 16.9  |
| 70      | 9.4   | 7.2   | 10.8  |

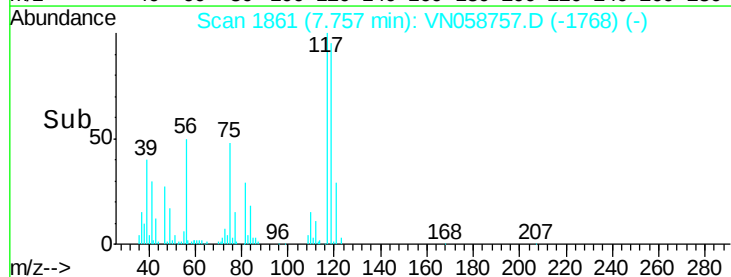
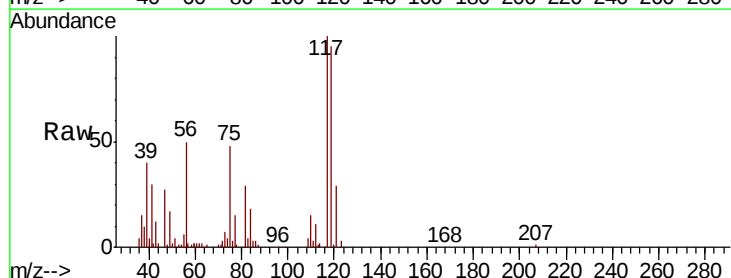
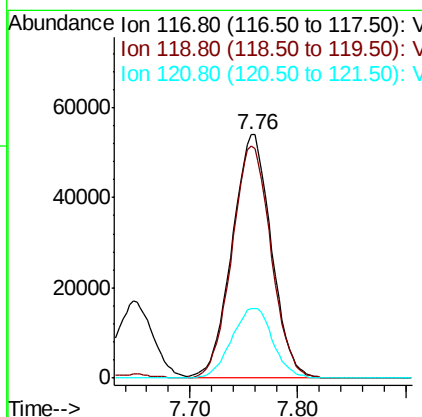
Manual Integrations  
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#38  
Carbon Tetrachloride  
Concen: 21.921 ug/l  
RT: 7.76 min Scan# 1861  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.2  | 75.7  | 113.5 |
| 121     | 28.7  | 23.9  | 35.9  |





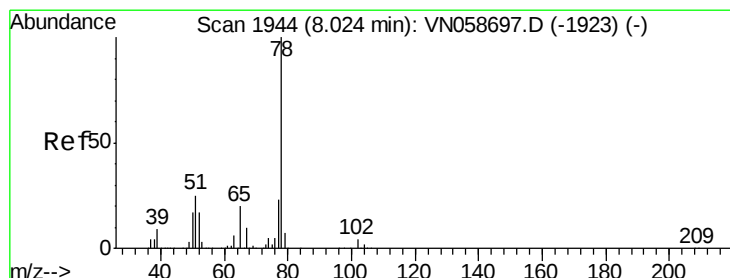
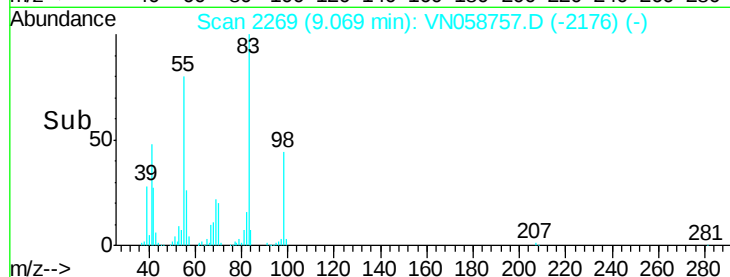
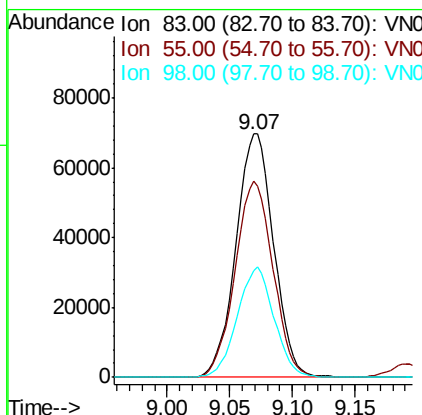
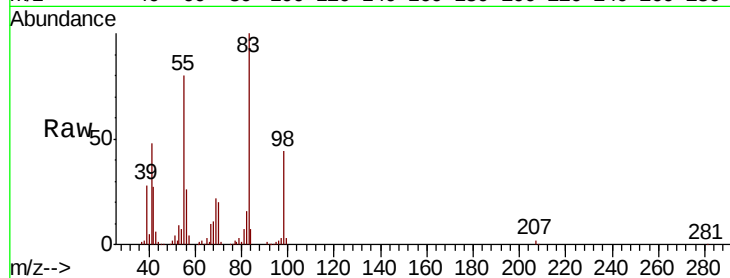
#39  
Methvlcvclohexane  
Concen: 19.650 ug/l  
RT: 9.07 min Scan# 2269  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.5  | 63.4  | 95.0  |
| 98      | 44.1  | 35.1  | 52.7  |

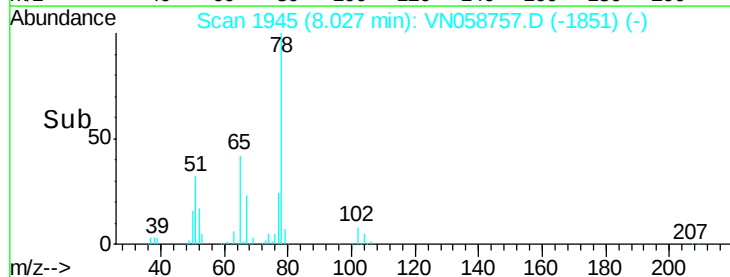
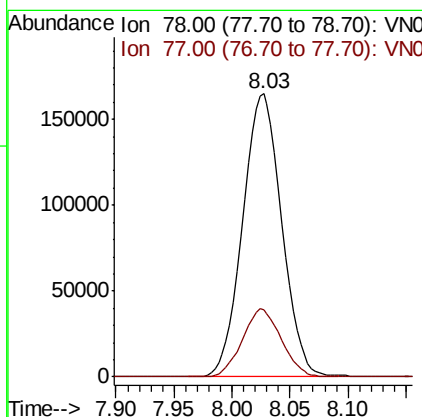
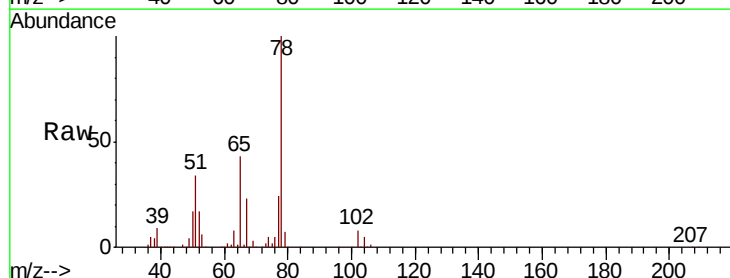
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#40  
Benzene  
Concen: 21.062 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 18.8  | 28.2  |





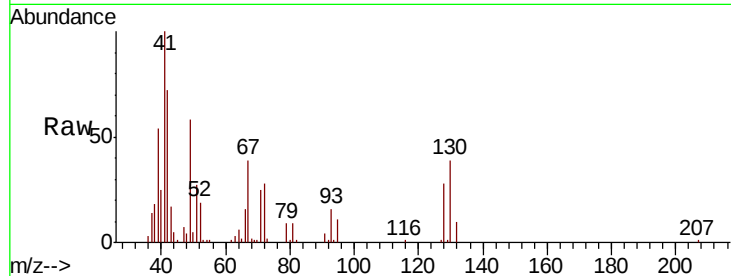
#41  
Methacrylonitrile  
Concen: 22.985 ug/l m  
RT: 7.17 min Scan# 1677  
Delta R.T. 0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

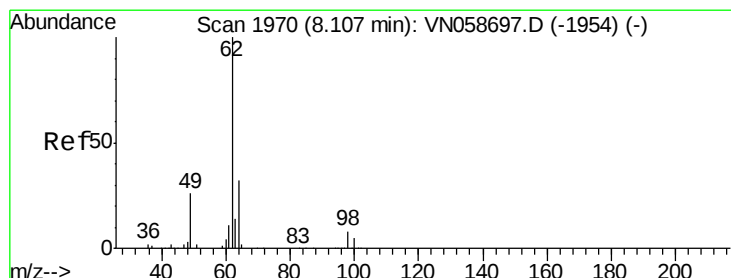
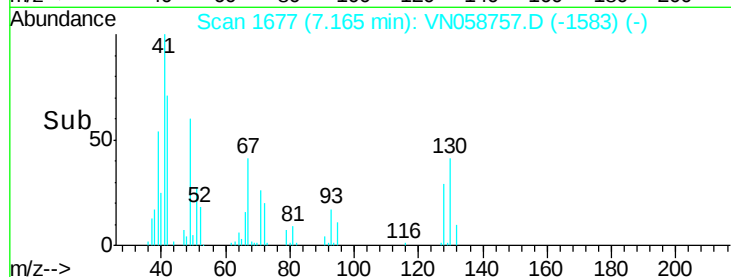
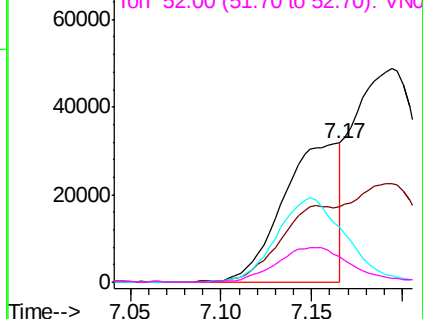
| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 41      | 100 |       | 69541  |       |       |
| 39      | 0.0 | 115.4 | 173.2# |       |       |
| 67      | 0.0 | 0.0   | 0.0    |       |       |
| 52      | 0.0 | 0.0   | 0.0    |       |       |

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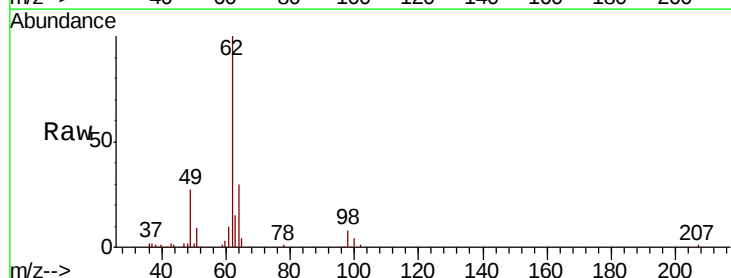


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0  
Ion 67.00 (66.70 to 67.70): VN0  
Ion 52.00 (51.70 to 52.70): VN0

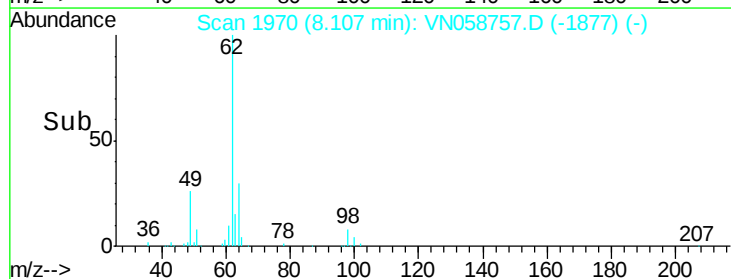
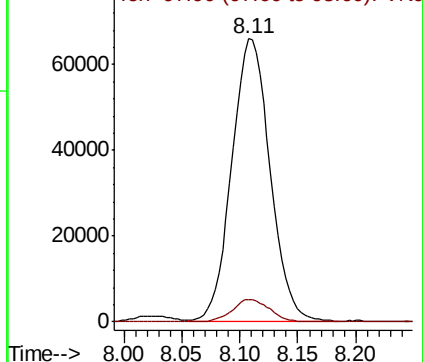


#42  
1,2-Dichloroethane  
Concen: 21.392 ug/l  
RT: 8.11 min Scan# 1970  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 150845 |       |       |
| 98      | 7.8 | 0.0   | 15.8   |       |       |



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





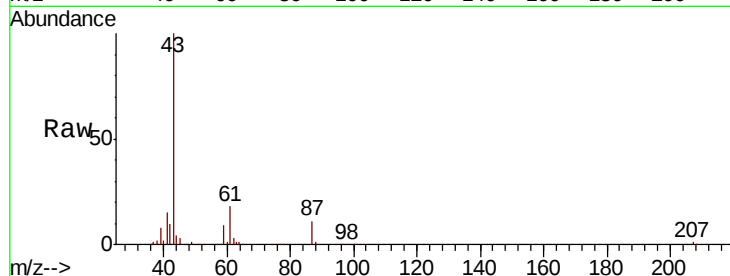
#43  
Isopropyl Acetate  
Concen: 20.495 ug/l  
RT: 8.15 min Scan# 1983  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

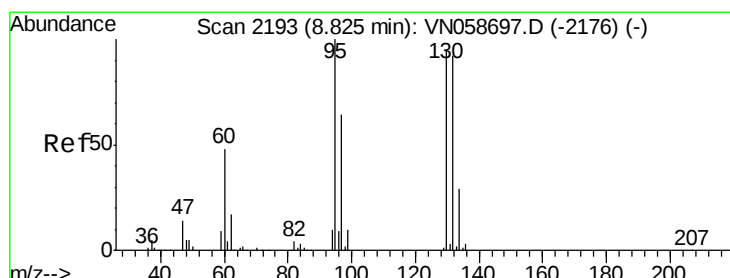
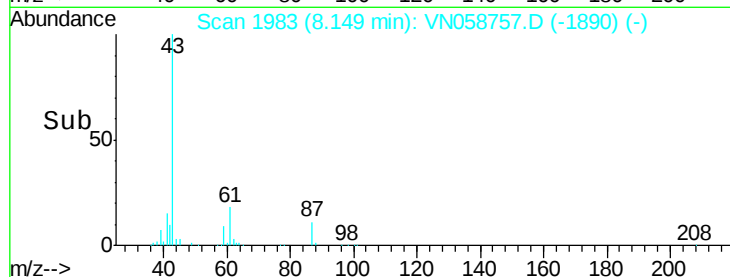
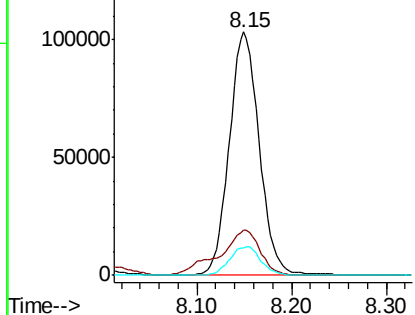
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 25.5  | 20.3  | 30.5  |
| 87      | 12.3  | 9.8   | 14.6  |

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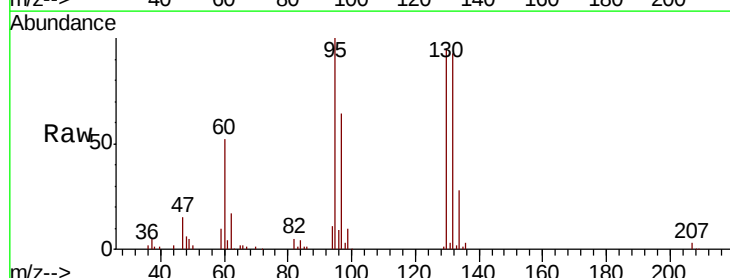


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 61.00 (60.70 to 61.70): VN0  
Ion 87.00 (86.70 to 87.70): VN0

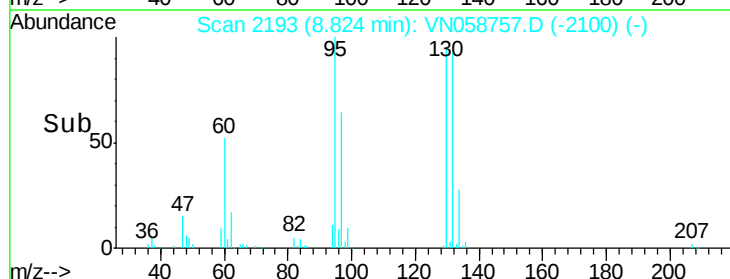
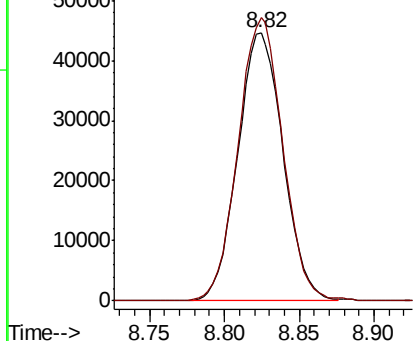


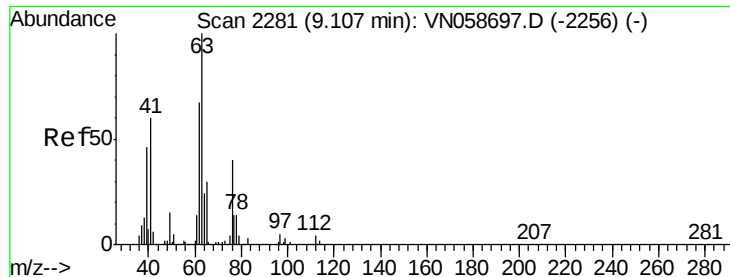
#44  
Trichloroethene  
Concen: 20.581 ug/l  
RT: 8.82 min Scan# 2193  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 105.4 | 0.0   | 211.2 |



Abundance Ion 129.80 (129.50 to 130.50): V  
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 21.252 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 63 Resp: 104422

Ion Ratio Lower Upper

63 100

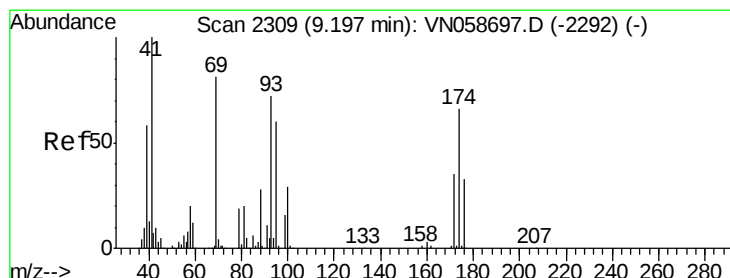
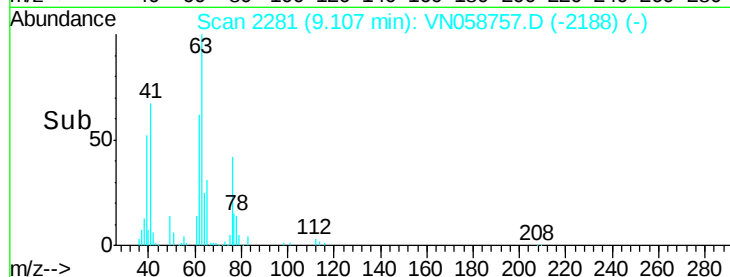
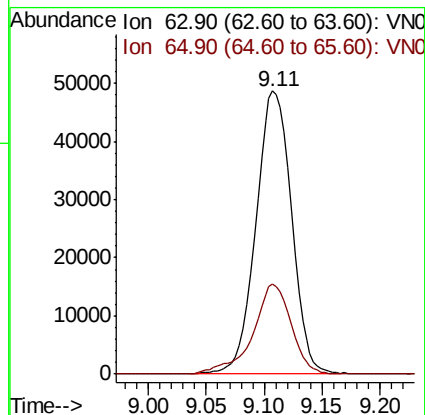
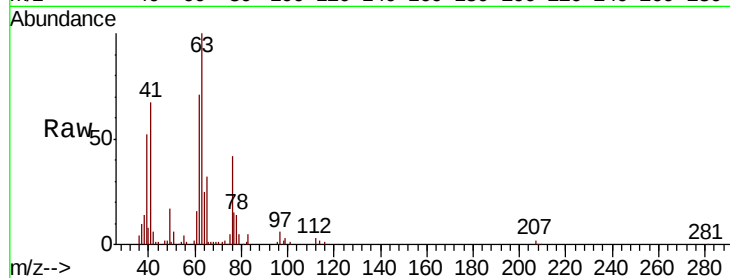
65 31.8 24.1 36.1

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#46

Dibromomethane

Concen: 21.565 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

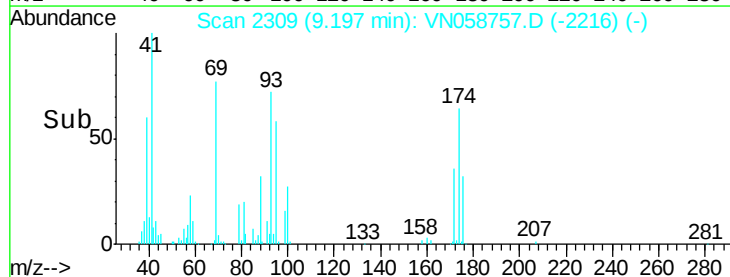
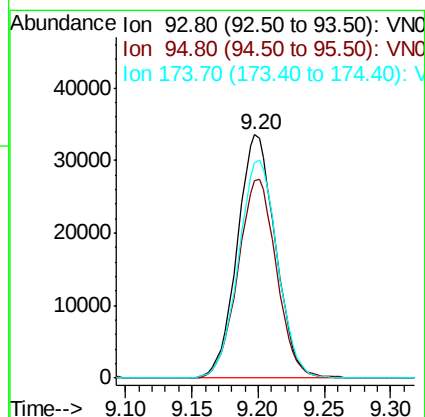
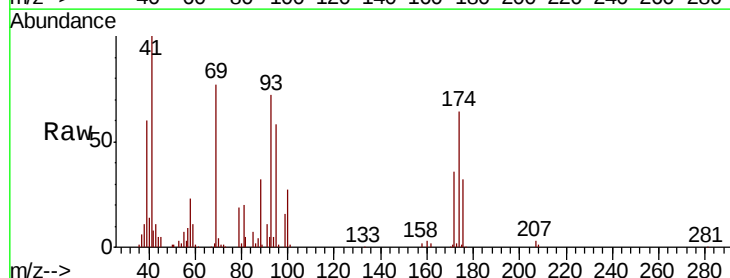
Tgt Ion: 93 Resp: 67179

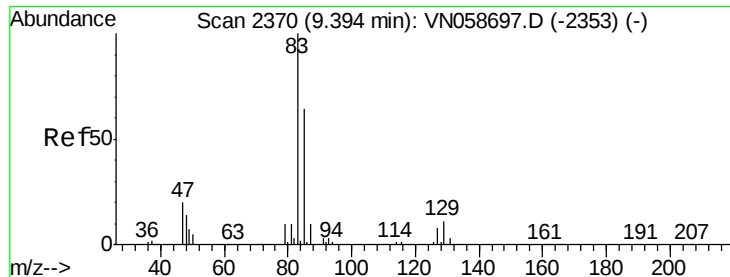
Ion Ratio Lower Upper

93 100

95 82.6 66.6 100.0

174 91.4 75.2 112.8





#47

Bromodichloromethane

Concen: 21.557 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

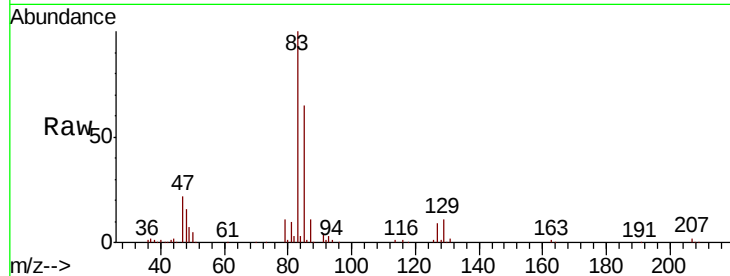
ClientSampleId :

VN1014WBSD01

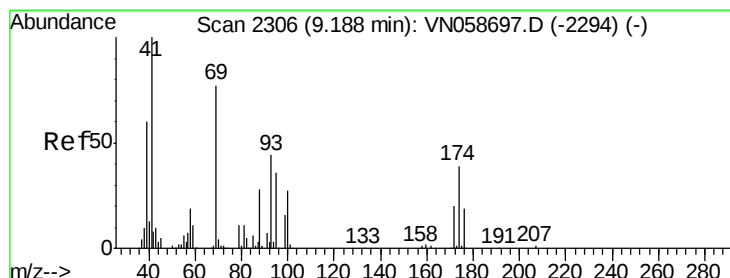
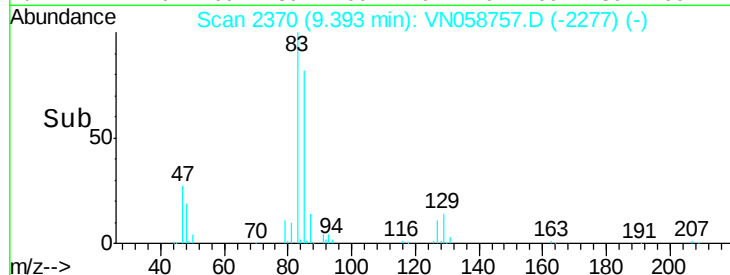
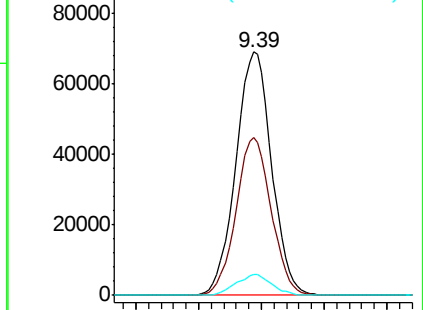
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 136751 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.7  | 50.9  | 76.3   |
| 127       | 8.8   | 6.3   | 9.5    |

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Abundance Ion 82.90 (82.60 to 83.60): VN058757.D (-2277) (-)



#48

Methyl methacrylate

Concen: 20.341 ug/l

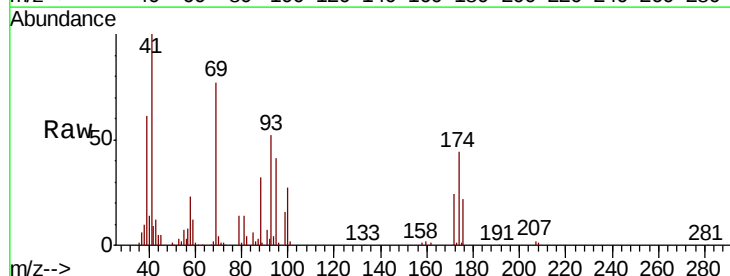
RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

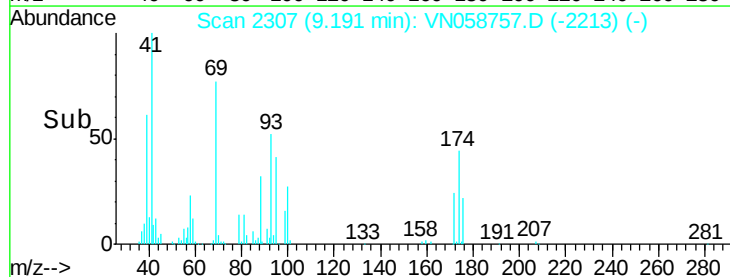
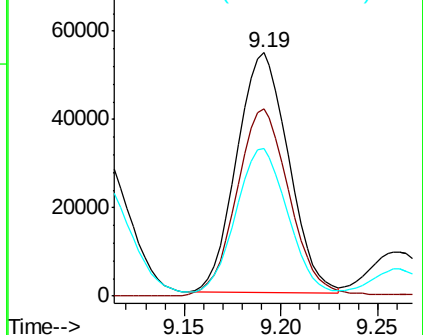
Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 101520 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 80.0  | 63.4  | 95.2   |
| 39        | 61.9  | 48.9  | 73.3   |



Abundance Ion 41.00 (40.70 to 41.70): VN058757.D (-2213) (-)





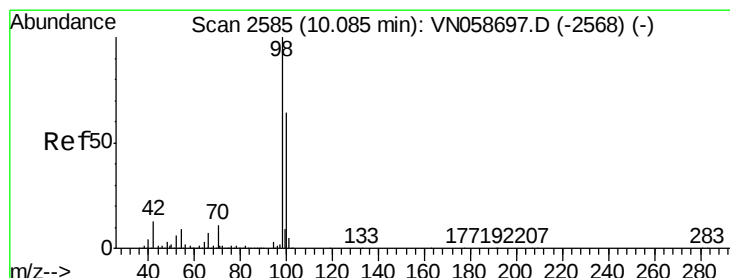
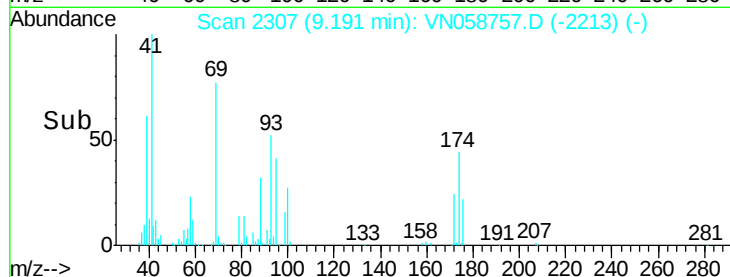
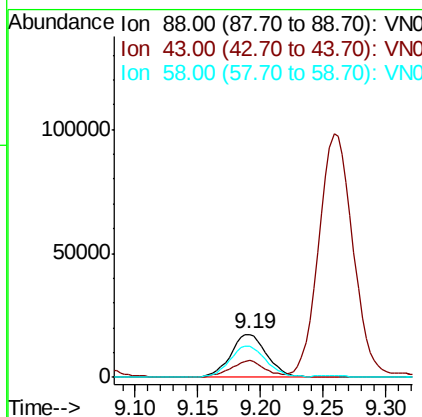
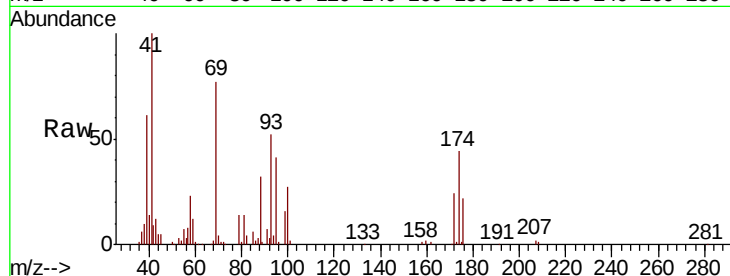
#49  
1,4-Dioxane  
Concen: 457.834 ug/l  
RT: 9.19 min Scan# 2307  
Delta R.T. 0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.8  | 28.6  | 43.0  |
| 58      | 72.9  | 57.2  | 85.8  |

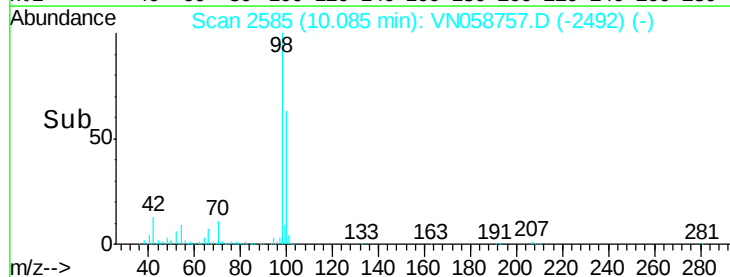
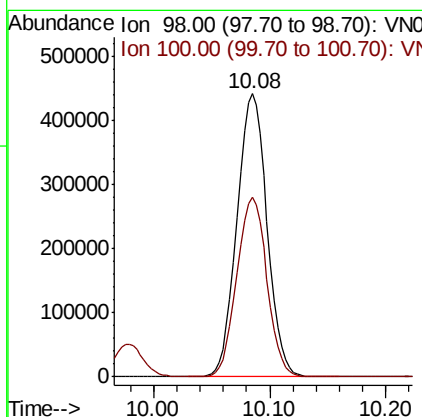
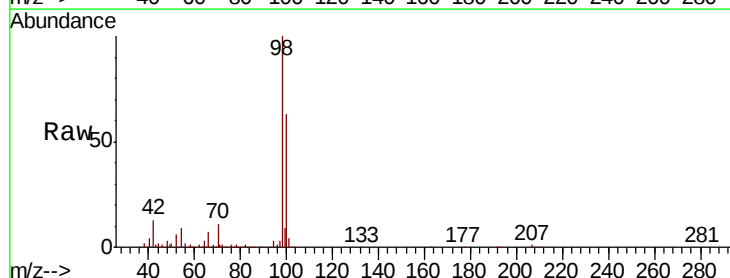
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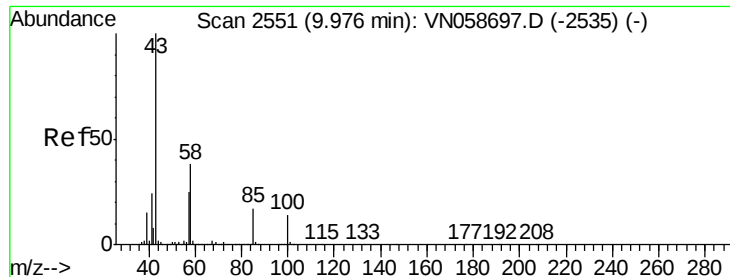
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#50  
Toluene-d8  
Concen: 51.022 ug/l  
RT: 10.08 min Scan# 2585  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.5  | 51.1  | 76.7  |





#51

4-Methyl-2-Pentanone

Concen: 114.711 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 43 Resp: 709322

Ion Ratio Lower Upper

43 100

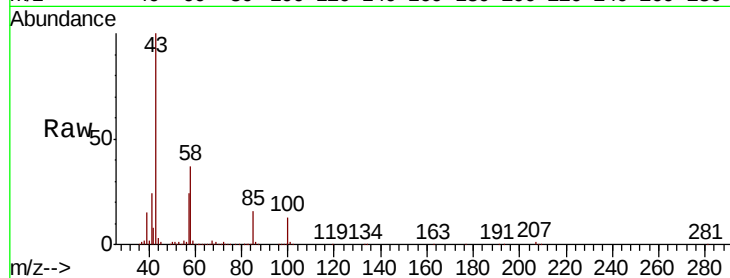
58 36.7 30.3 45.5

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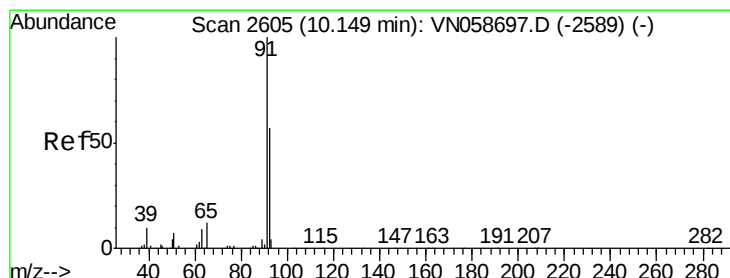
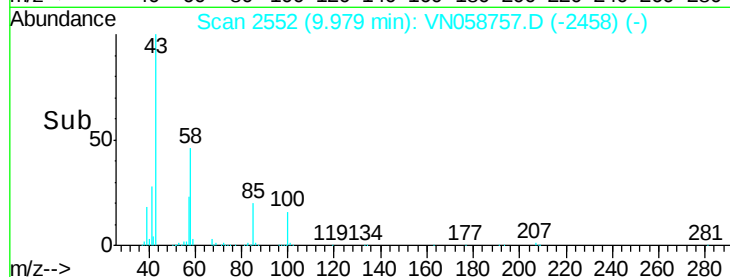
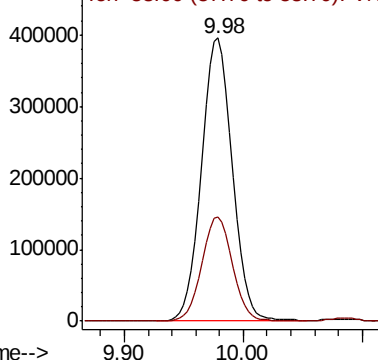
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.941 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058757.D

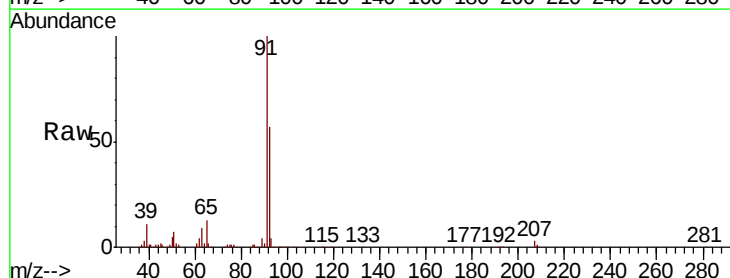
Acq: 14 Oct 2019 18:23

Tgt Ion: 92 Resp: 235081

Ion Ratio Lower Upper

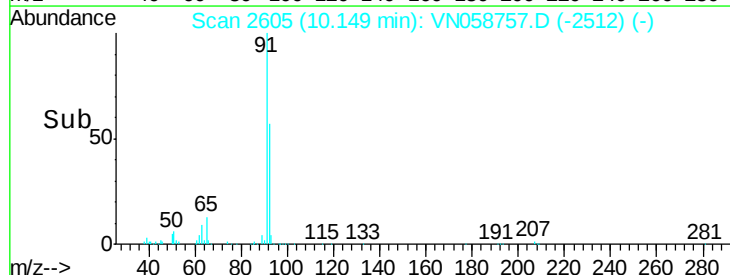
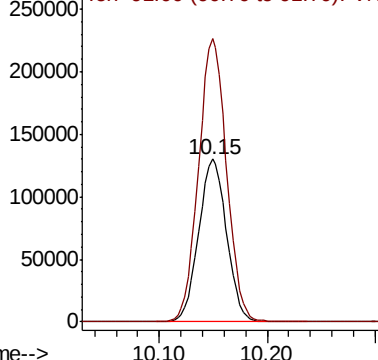
92 100

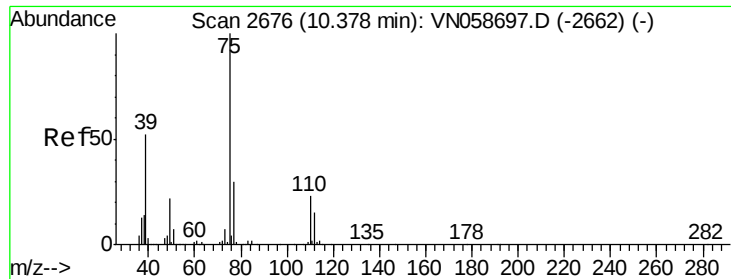
91 174.5 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





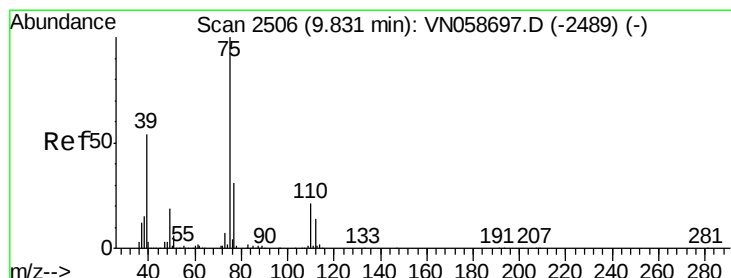
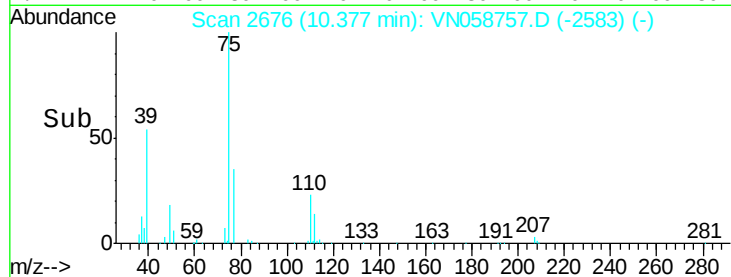
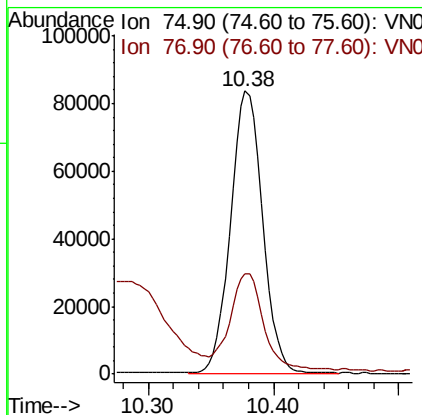
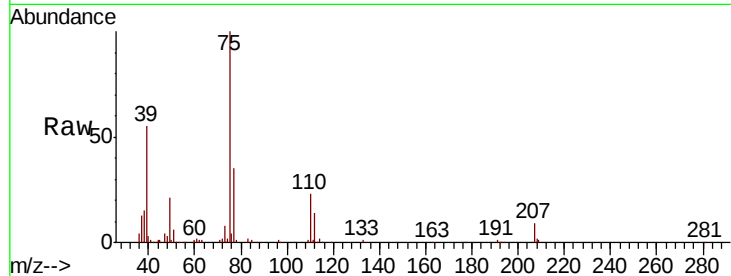
#53  
t-1,3-Dichloropropene  
Concen: 20.238 ug/l  
RT: 10.38 min Scan# 2676  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

Tot Ion: 75 Resp: 147243  
Ion Ratio Lower Upper  
75 100  
77 33.8 26.2 39.4

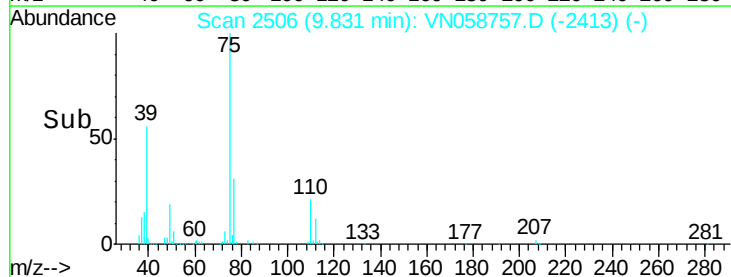
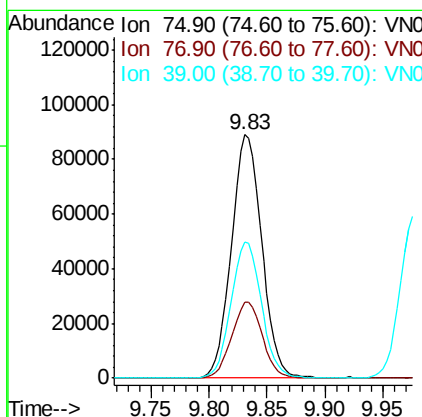
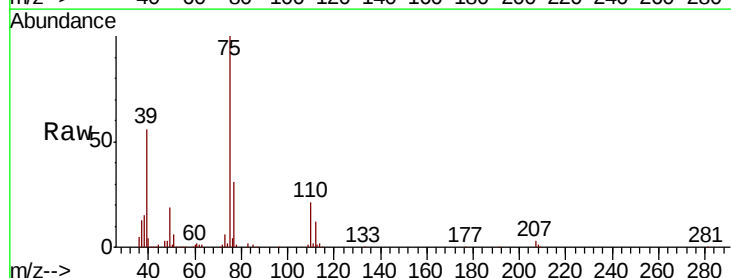
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#54  
cis-1,3-Dichloropropene  
Concen: 20.904 ug/l  
RT: 9.83 min Scan# 2506  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Tgt Ion: 75 Resp: 161483  
Ion Ratio Lower Upper  
75 100  
77 31.0 24.4 36.6  
39 55.8 43.1 64.7





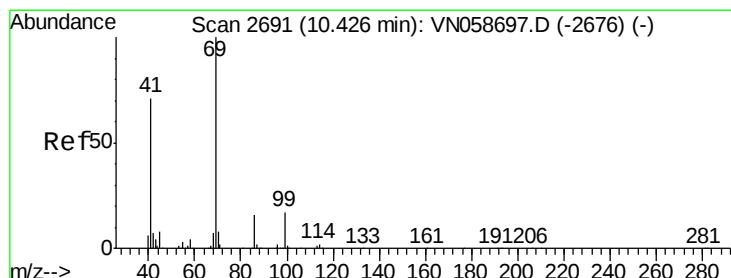
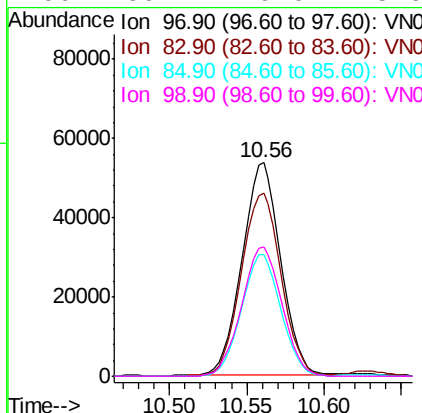
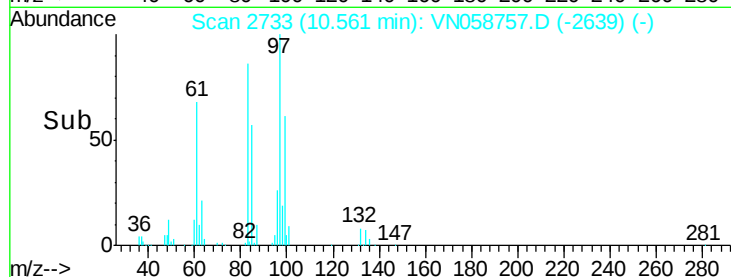
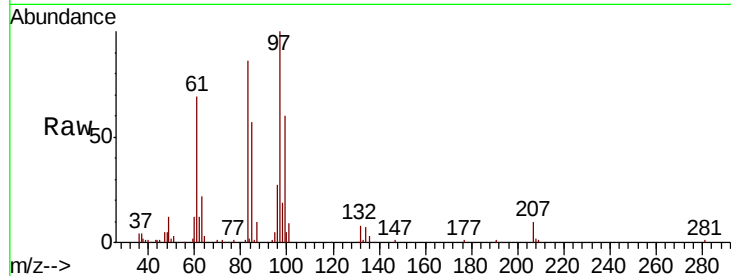
#55  
 1,1,2-Trichloroethane  
 Concen: 20.390 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1014WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 93686 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.8  | 71.2  | 106.8 |
| 85       | 57.4  | 46.7  | 70.1  |
| 99       | 60.7  | 49.0  | 73.6  |

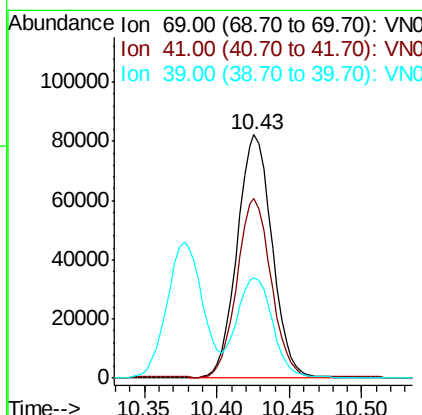
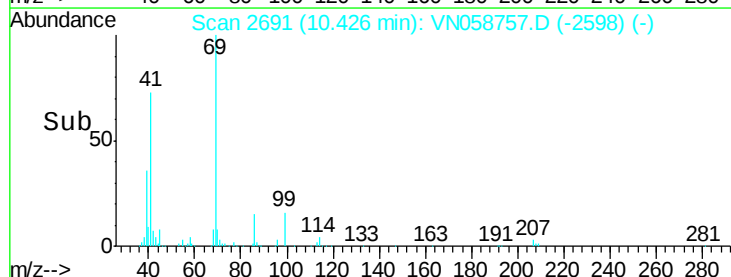
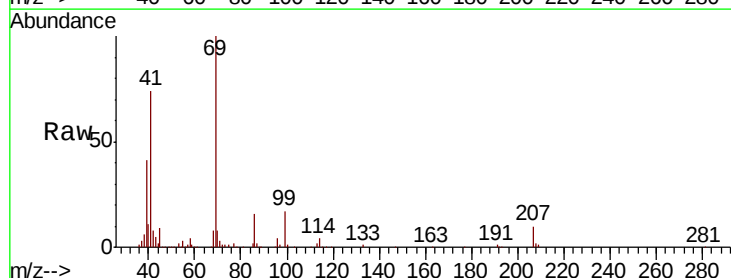
Manual Integrations  
 APPROVED

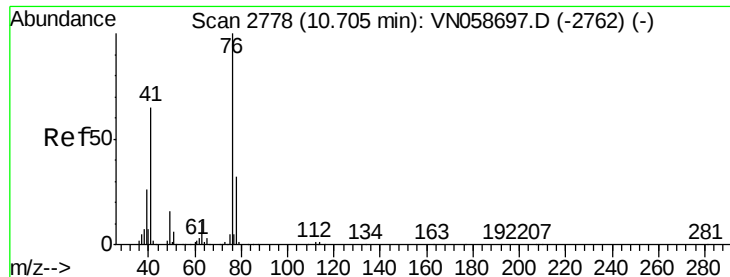
MMDadoda  
 10/16/2019 12:57:13 AM



#56  
 Ethyl methacrylate  
 Concen: 20.610 ug/l  
 RT: 10.43 min Scan# 2691  
 Delta R.T. -0.00 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 138342 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 71.4  | 56.8  | 85.2   |
| 39       | 42.0  | 32.5  | 48.7   |





#57

1,3-Dichloropropane

Concen: 21.072 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 76 Resp: 164982

Ion Ratio Lower Upper

76 100

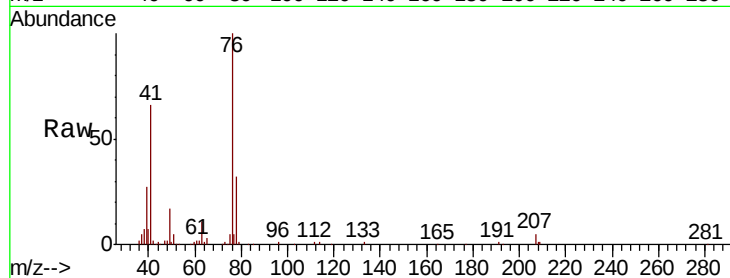
78 32.1 25.9 38.9

Manual Integrations

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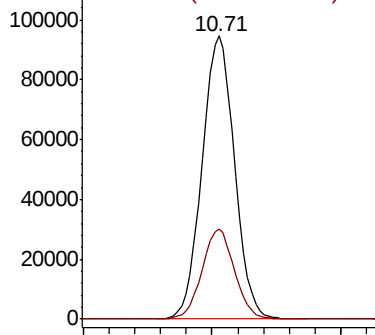
MMDadoda

10/16/2019 12:57:13 AM

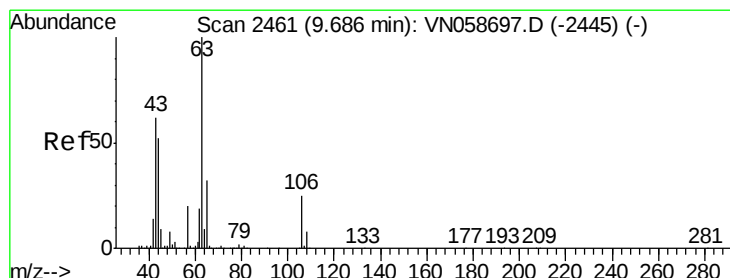
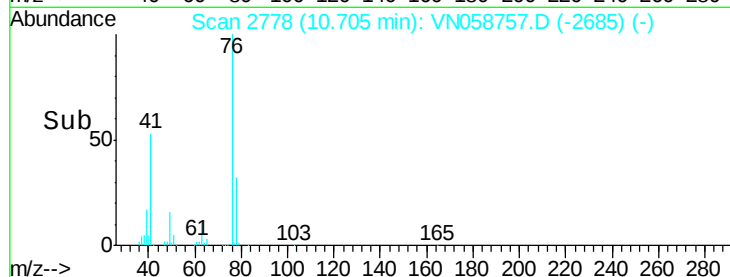


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 100.697 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058757.D

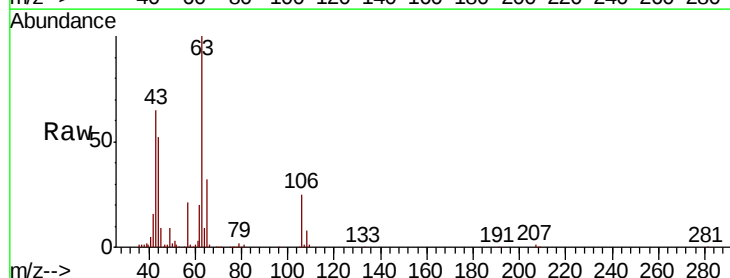
Acq: 14 Oct 2019 18:23

Tgt Ion: 63 Resp: 325742

Ion Ratio Lower Upper

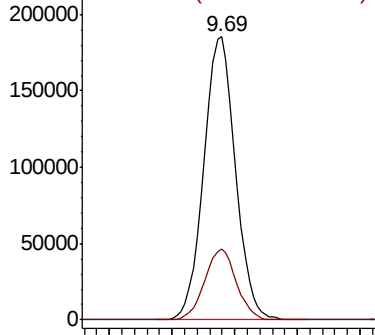
63 100

106 25.1 20.0 30.0

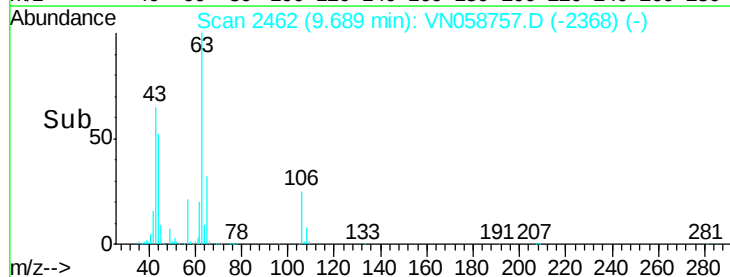


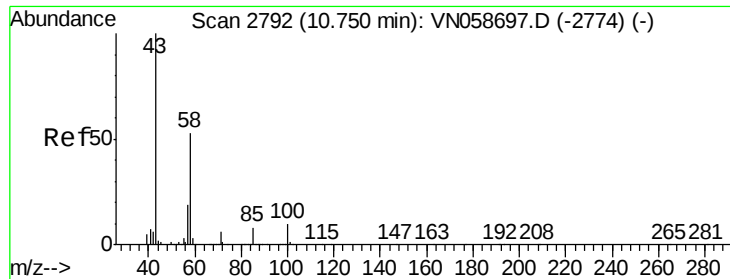
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.60 9.65 9.70 9.75





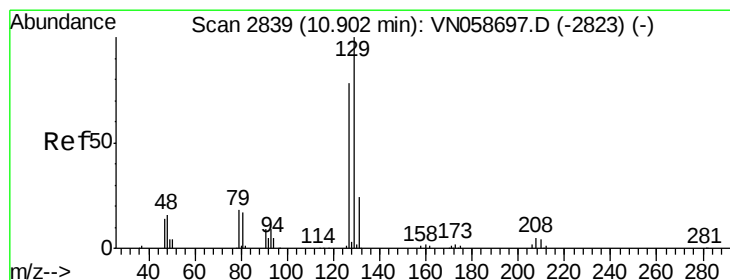
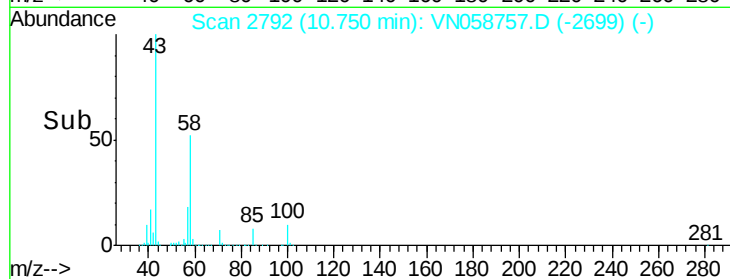
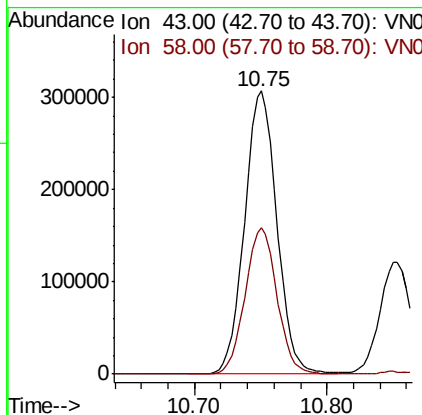
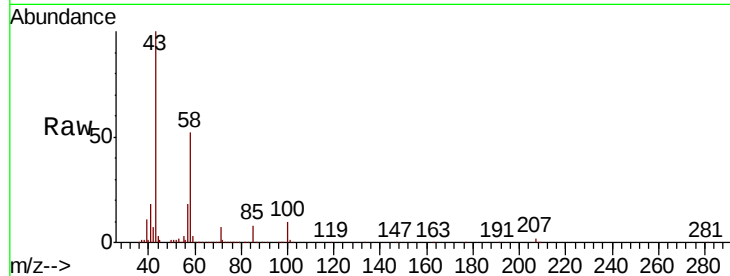
#59  
2-Hexanone  
Concen: 108.660 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 51.1  | 26.1  | 78.3  |

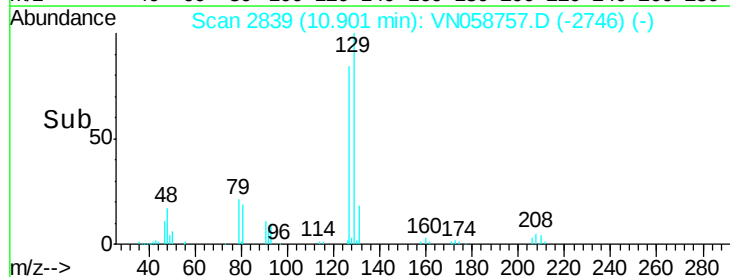
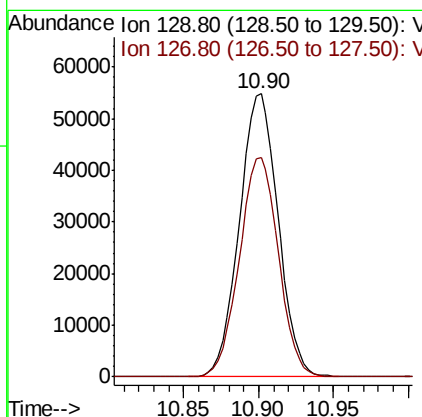
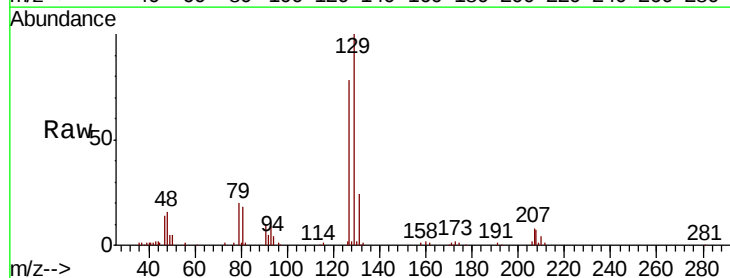
Manual Integrations  
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#60  
Dibromochloromethane  
Concen: 20.877 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 78.1  | 38.5  | 115.3 |





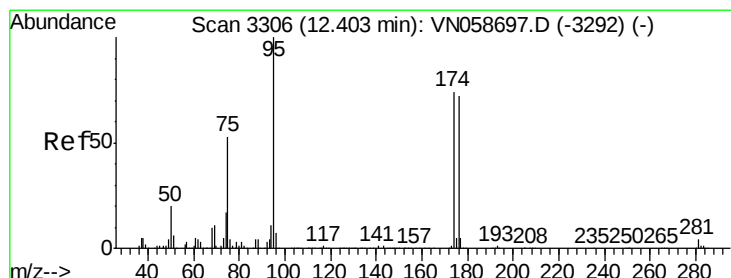
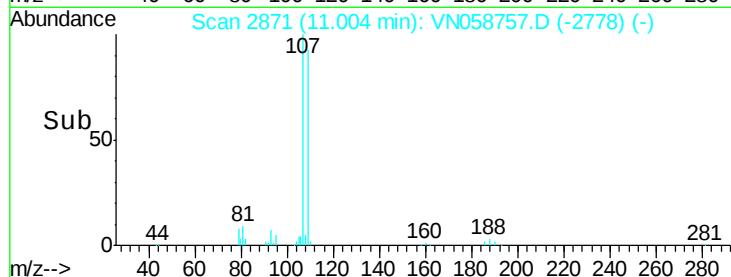
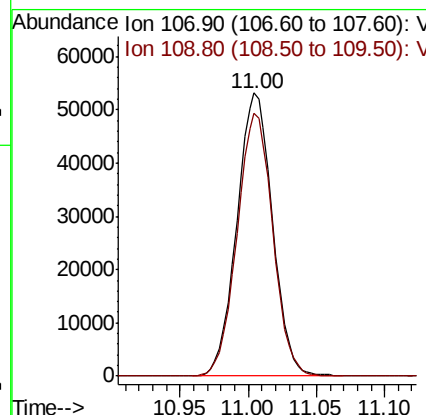
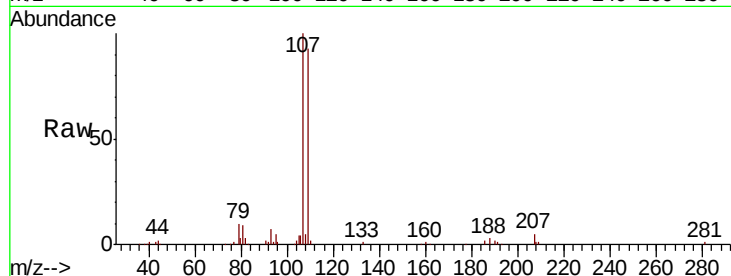
#61  
 1,2-Dibromoethane  
 Concen: 20.927 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. -0.00 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1014WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.0  | 75.4  | 113.0 |

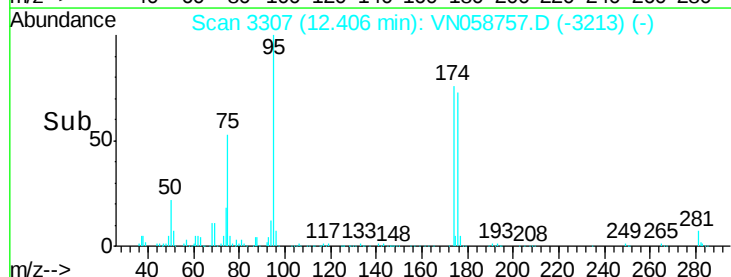
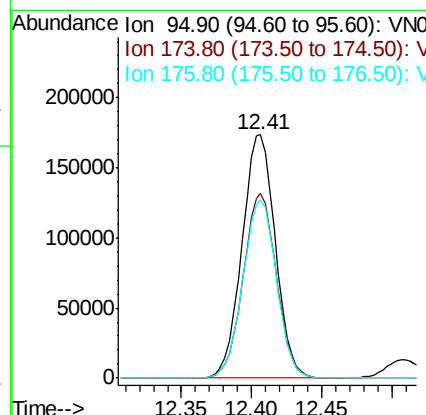
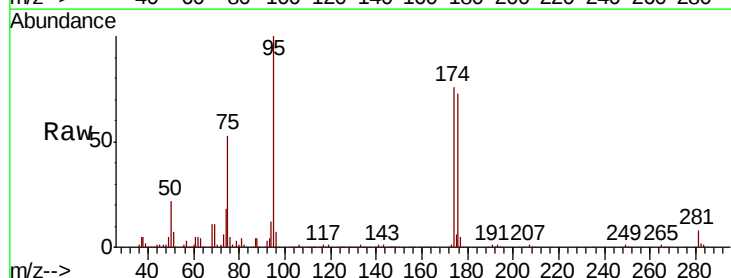
Manual Integrations  
 APPROVED

MMDadoda  
 10/16/2019 12:57:13 AM



#62  
 4-Bromofluorobenzene  
 Concen: 48.638 ug/l  
 RT: 12.41 min Scan# 3307  
 Delta R.T. 0.00 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 75.6  | 0.0   | 150.4 |
| 176     | 74.2  | 0.0   | 146.8 |





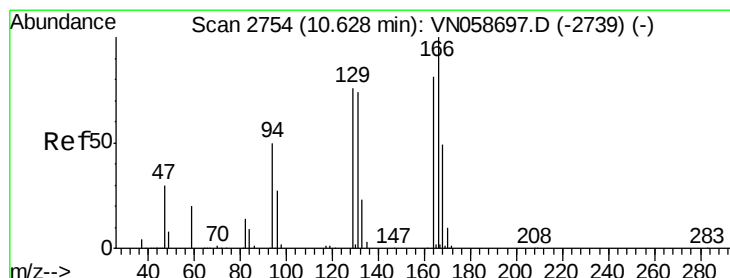
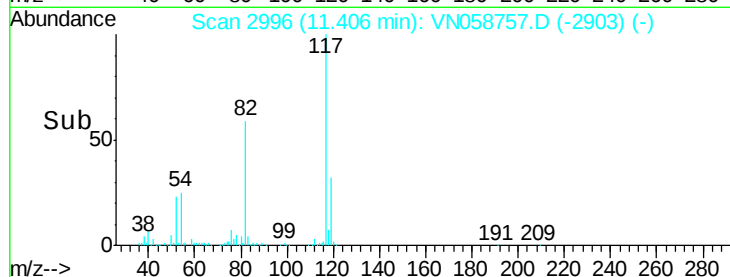
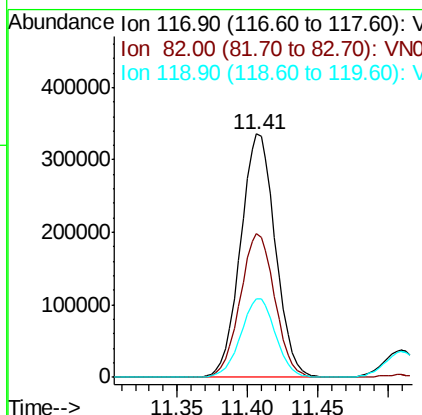
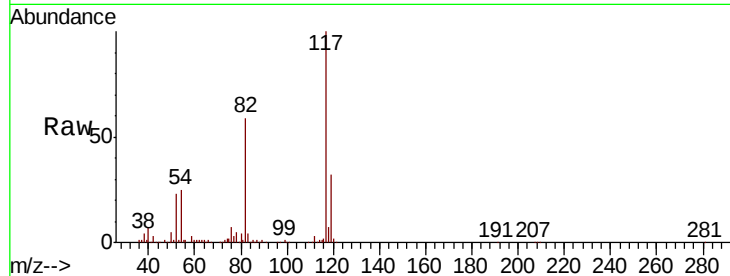
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 580538 |       |       |
| 82      | 58.8  |        | 47.0  | 70.4  |
| 119     | 32.0  |        | 25.4  | 38.2  |

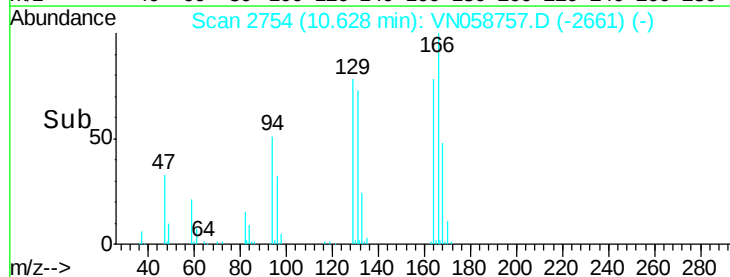
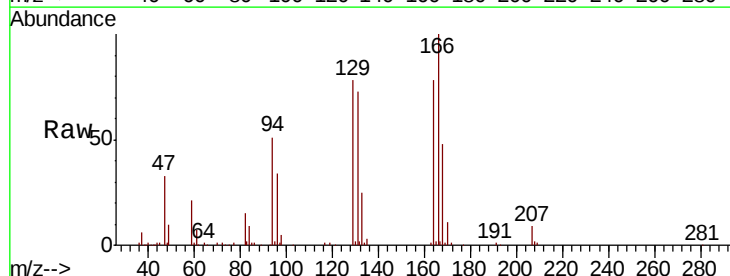
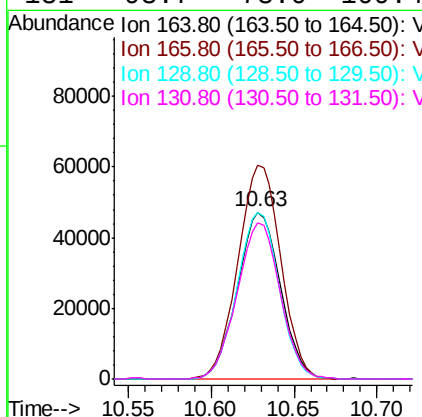
Manual Integrations  
APPROVED

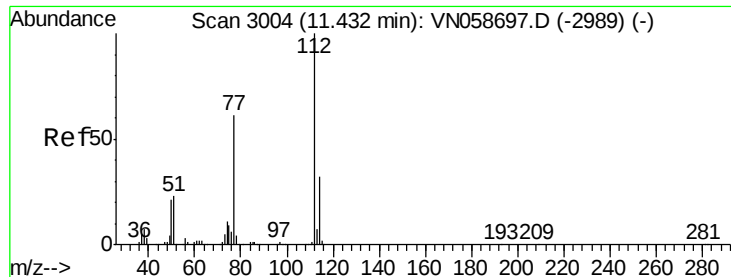
MMDadoda  
10/16/2019 12:57:13 AM



#64  
Tetrachloroethene  
Concen: 20.877 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 84819 |       |       |
| 166     | 127.7 |       | 99.3  | 148.9 |
| 129     | 99.9  |       | 75.2  | 112.8 |
| 131     | 93.7  |       | 73.0  | 109.4 |





#65

Chlorobenzene

Concen: 20.872 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1014WBSD01

Tot Ion:112 Resp: 246073

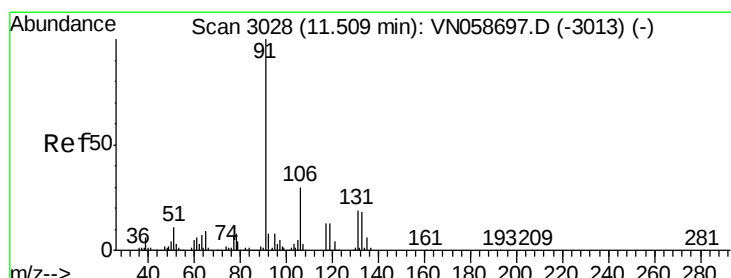
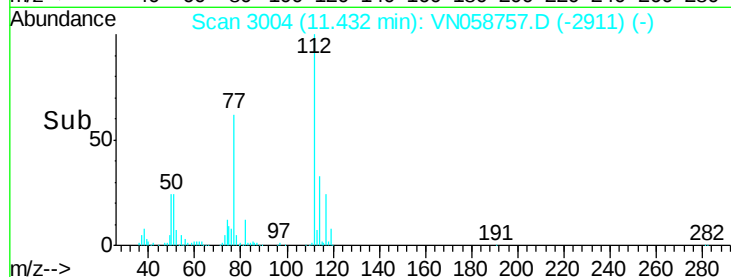
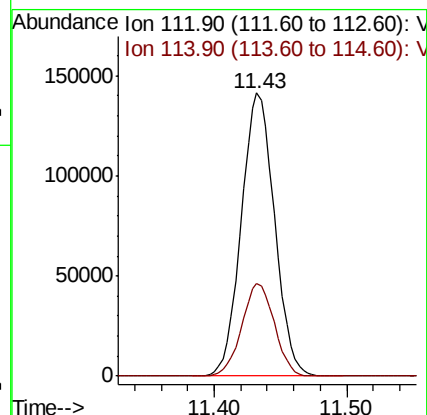
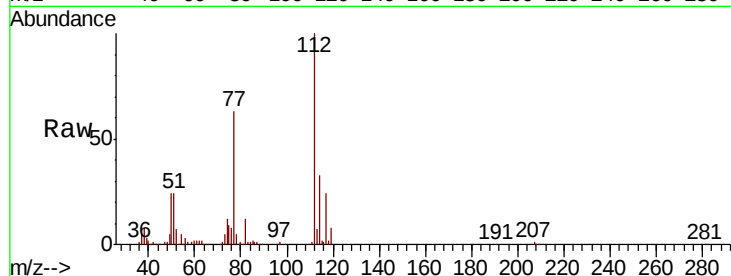
Ion Ratio Lower Upper

112 100

114 32.7 25.2 37.8

Manual Integrations  
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.677 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

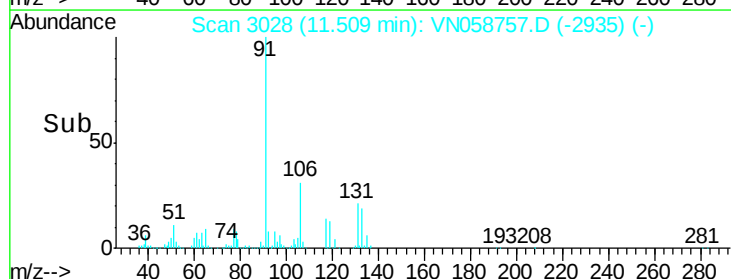
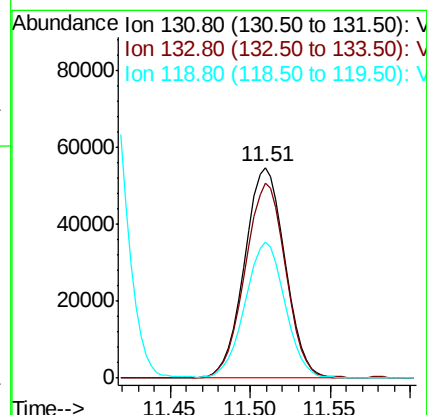
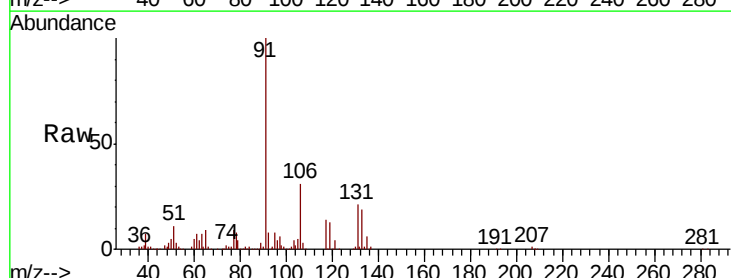
Tgt Ion:131 Resp: 94501

Ion Ratio Lower Upper

131 100

133 93.7 47.6 142.9

119 63.9 33.0 98.9





#67

Ethyl Benzene

Concen: 21.048 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 91 Resp: 442346

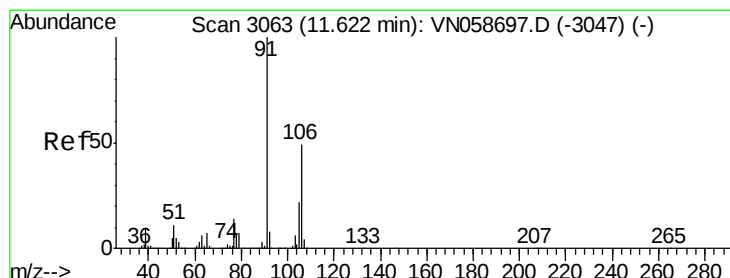
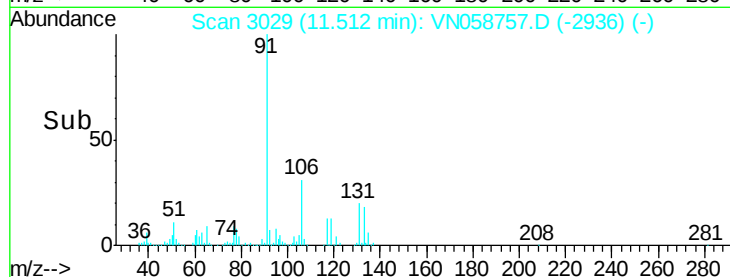
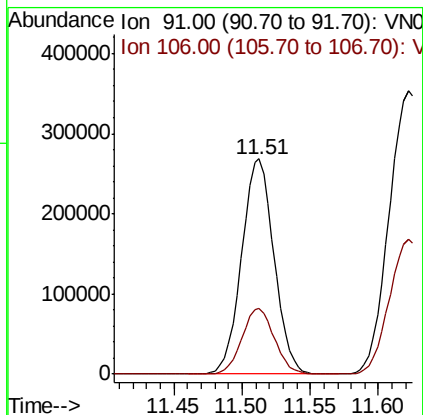
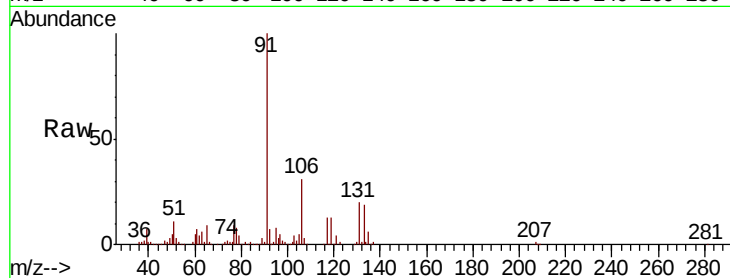
Ion Ratio Lower Upper

91 100

106 30.6 24.1 36.1

Manual Integrations  
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10/16/2019 12:57:13 AM



#68

m/p-Xylenes

Concen: 41.437 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058757.D

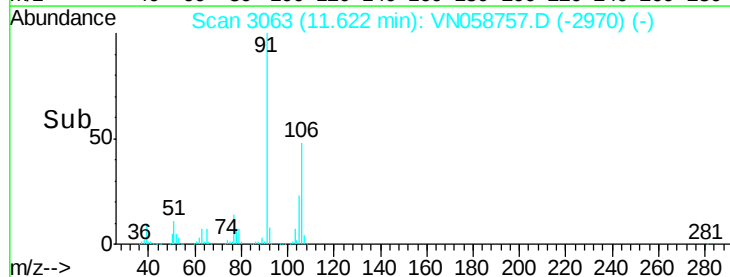
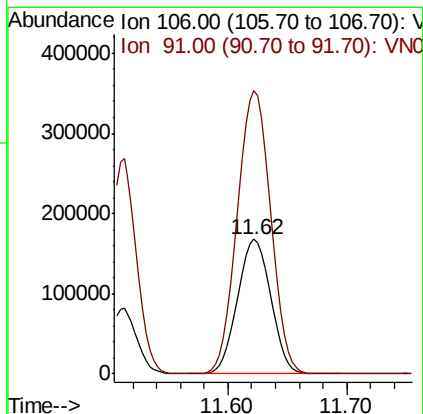
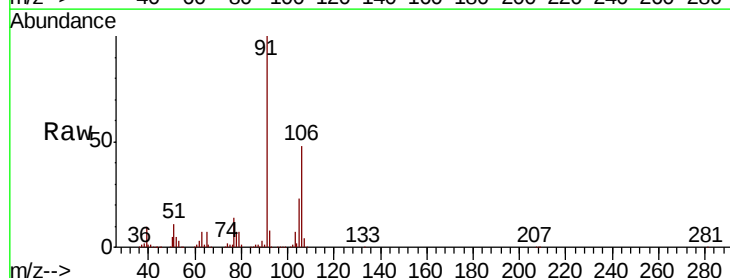
Acq: 14 Oct 2019 18:23

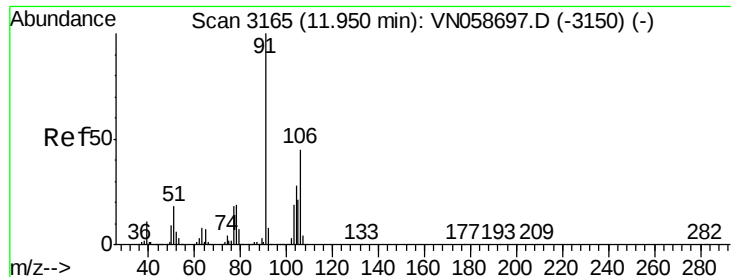
Tgt Ion: 106 Resp: 326799

Ion Ratio Lower Upper

106 100

91 210.5 165.7 248.5





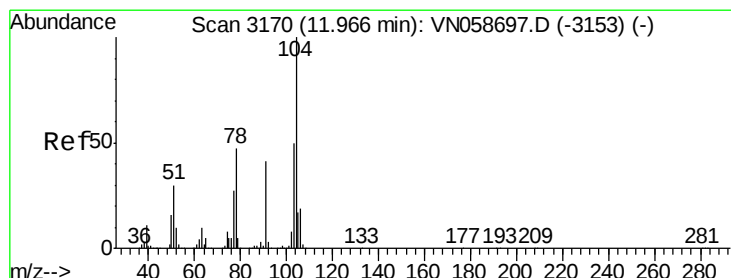
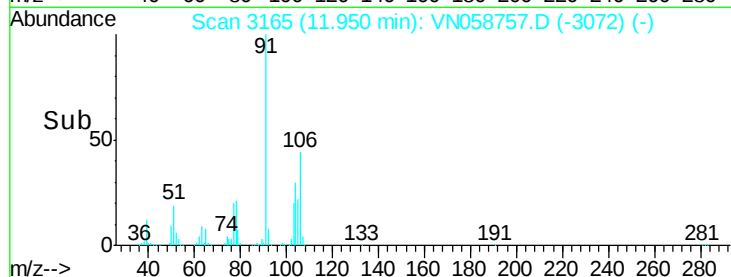
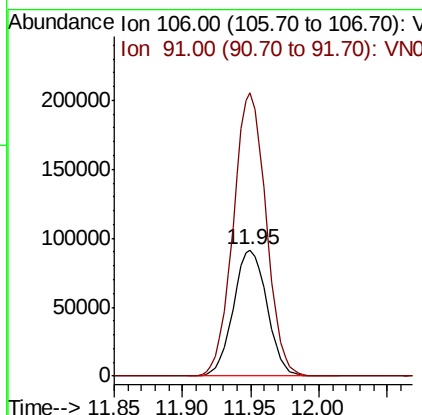
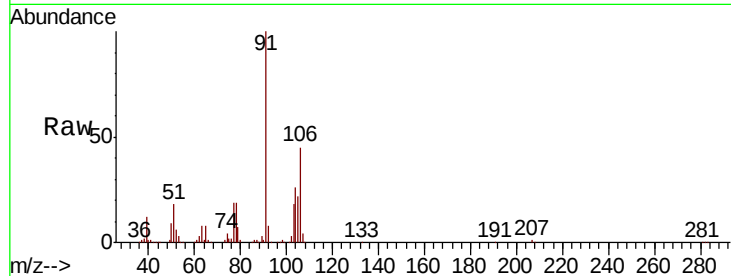
#69  
o-Xylene  
Concen: 20.546 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 218.6 | 110.9 | 332.9 |

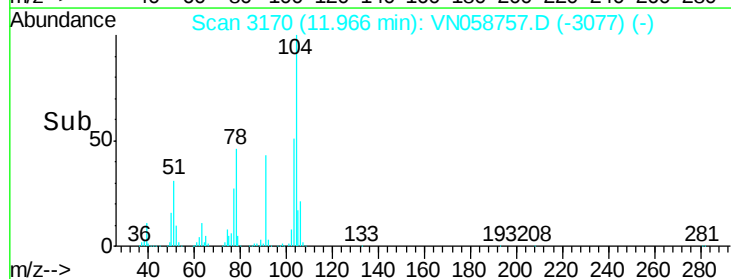
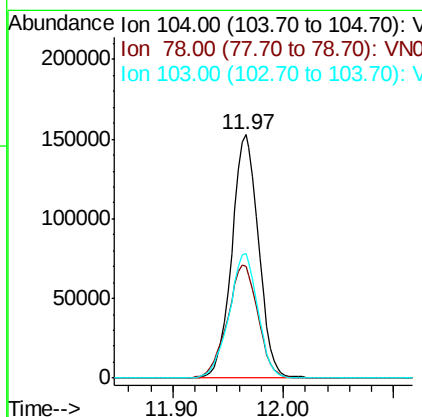
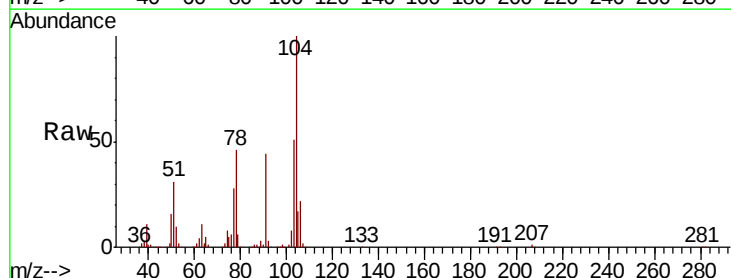
Manual Integrations  
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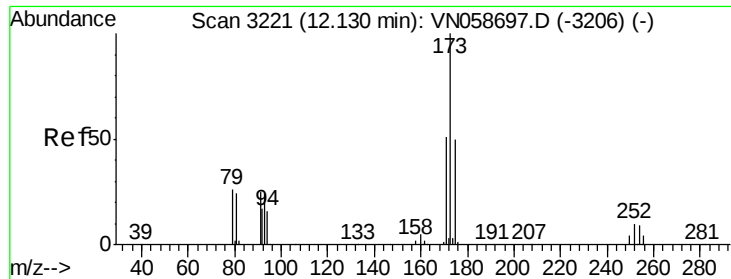
MMDadoda  
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#70  
Styrene  
Concen: 20.547 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 52.8  | 42.2  | 63.2  |
| 103     | 55.3  | 43.7  | 65.5  |





#71

Bromoform

Concen: 21.259 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1014WBSD01

Tot Ion:173 Resp: 67931

Ion Ratio Lower Upper

173 100

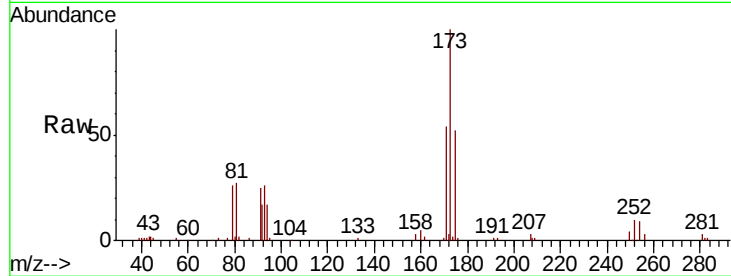
175 49.5 24.6 73.8

254 0.0 0.1 0.1#

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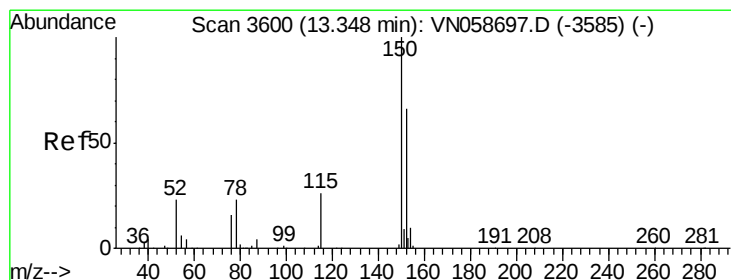
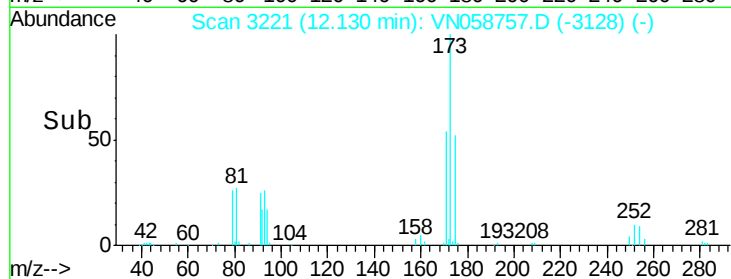
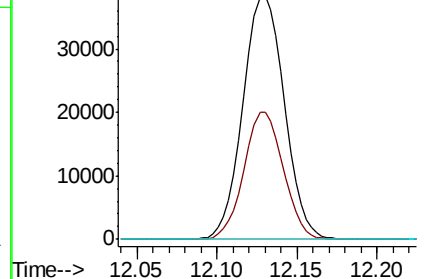
10/16/2019 12:57:13 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

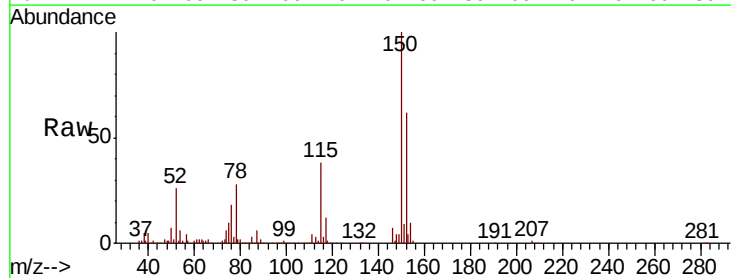
Tgt Ion:152 Resp: 276695

Ion Ratio Lower Upper

152 100

115 60.8 30.4 91.2

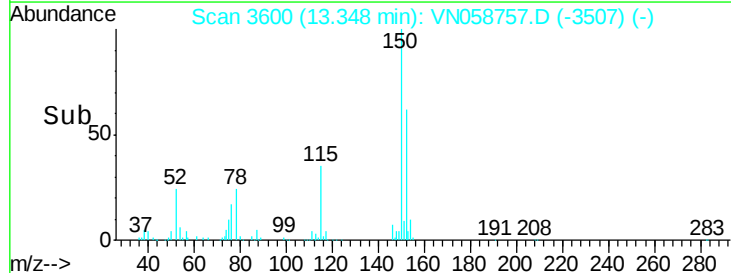
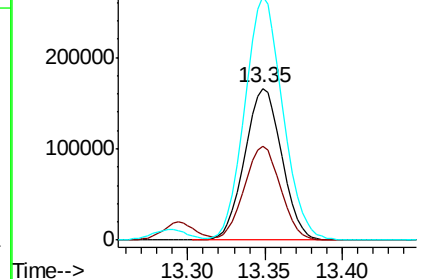
150 164.2 0.0 345.4

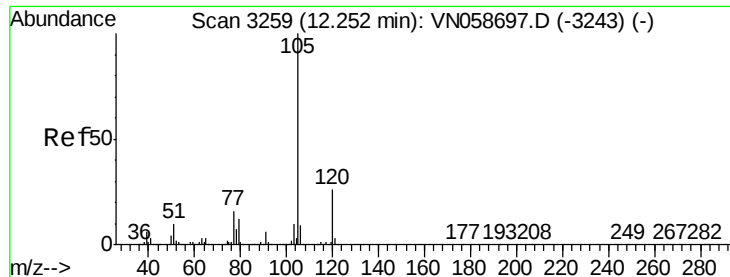


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.326 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 105 Resp: 427343

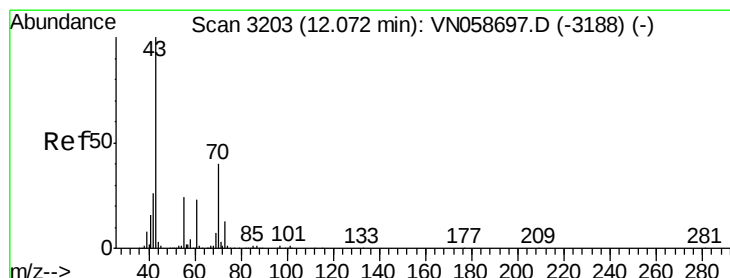
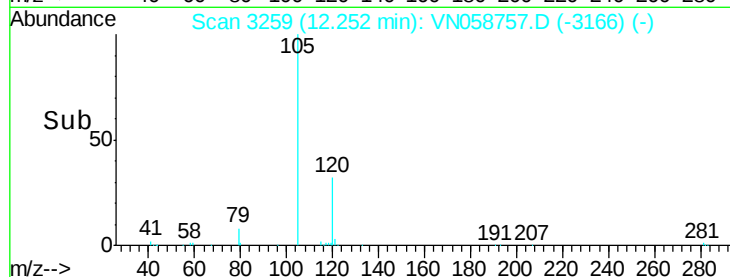
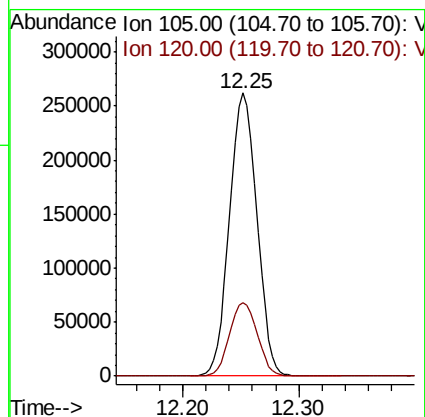
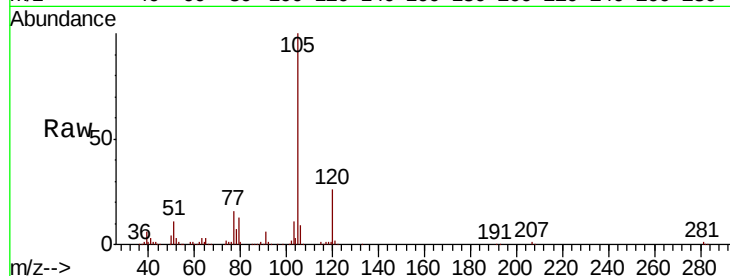
Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1

Manual Integrations  
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#74

N-ethyl acetate

Concen: 21.302 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Tgt Ion: 43 Resp: 191719

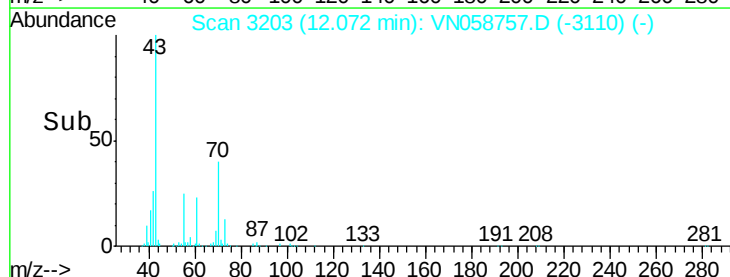
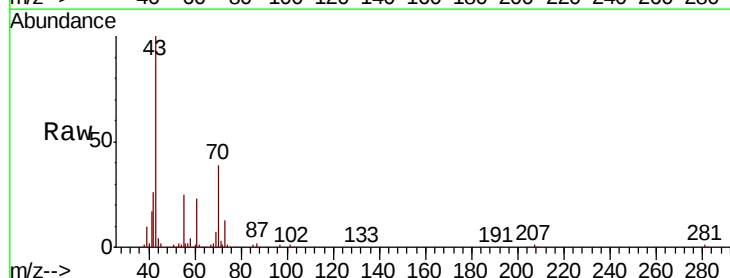
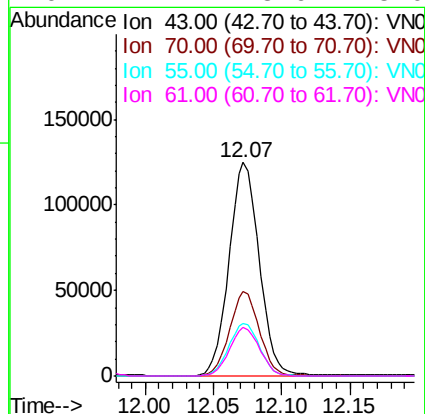
Ion Ratio Lower Upper

43 100

70 39.2 32.2 48.4

55 25.4 19.6 29.4

61 22.7 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.901 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 83 Resp: 144578

Ion Ratio Lower Upper

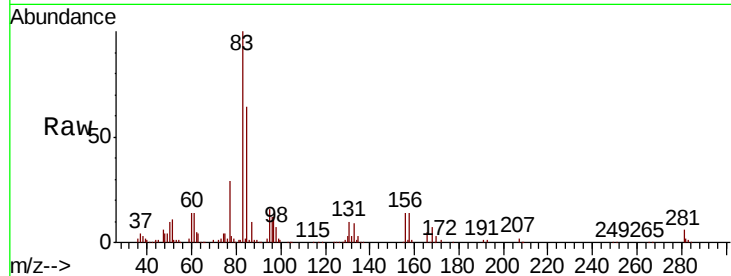
83 100

131 9.6 4.8 14.4

85 63.0 31.9 95.5

Manual Integrations  
APPROVED

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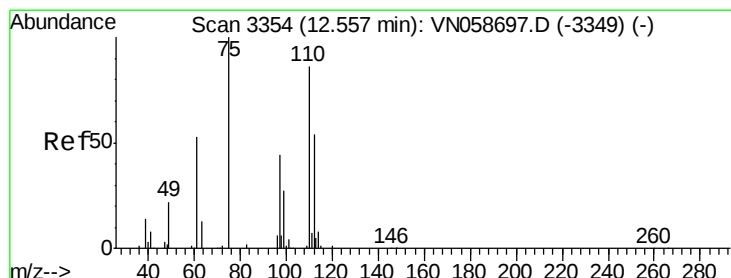
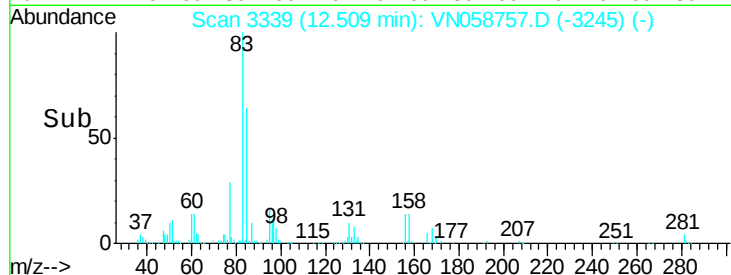
Abundance Ion 82.90 (82.60 to 83.60): VN058757.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058757.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058757.D (-3245) (-)

12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.366 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058757.D

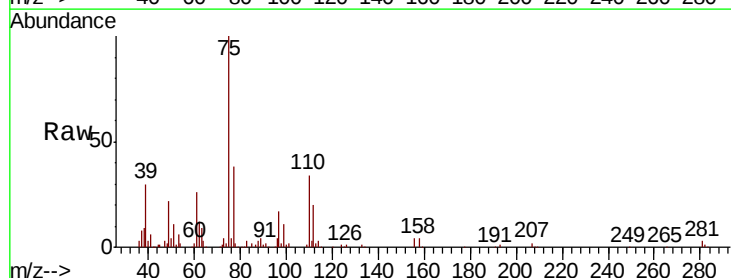
Acq: 14 Oct 2019 18:23

Tgt Ion: 75 Resp: 129693

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

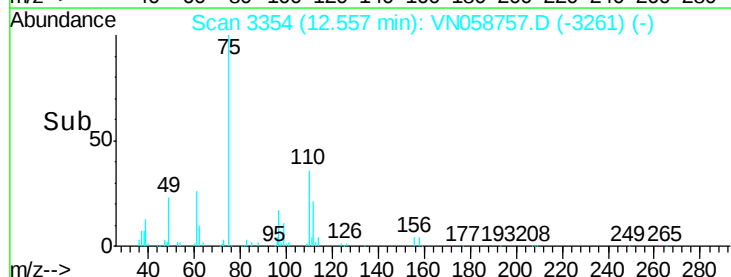


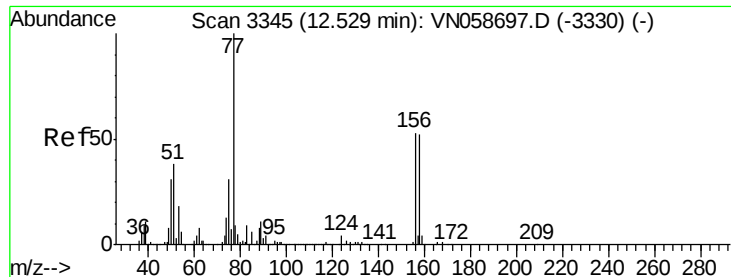
Abundance Ion 74.90 (74.60 to 75.60): VN058757.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058757.D (-3261) (-)

12.56

Time-->





#77

Bromobenzene

Concen: 20.889 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

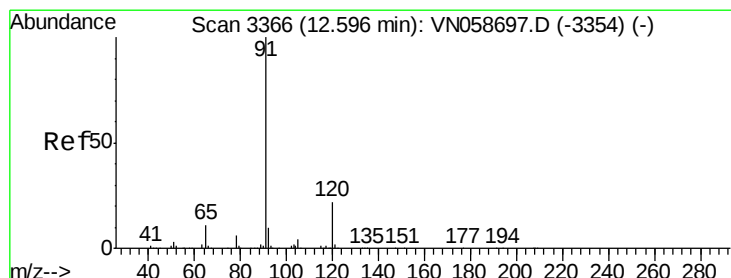
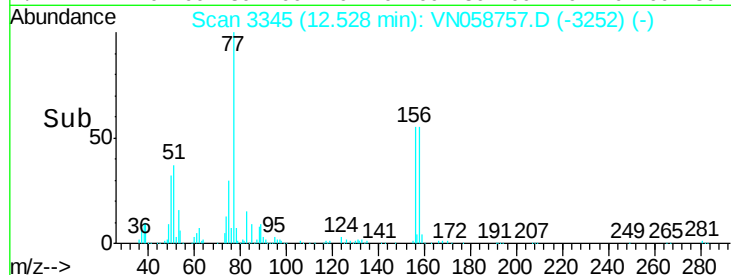
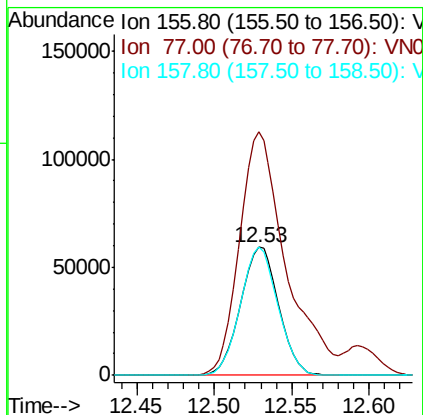
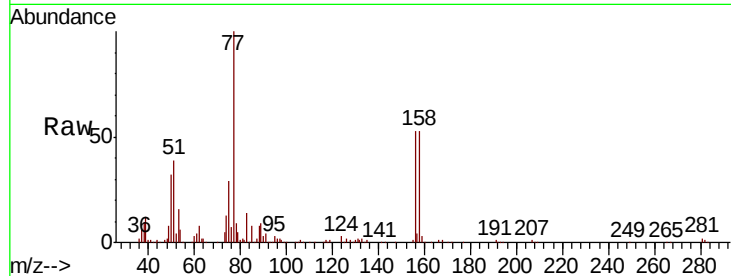
ClientSampleId :

VN1014WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 101816 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 231.6 | 115.8 | 347.3  |
| 158       | 98.1  | 48.9  | 146.6  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 21.792 ug/l

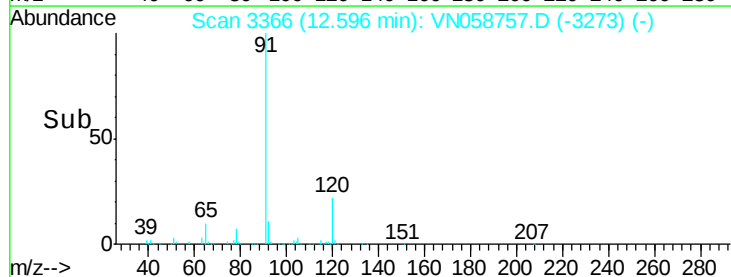
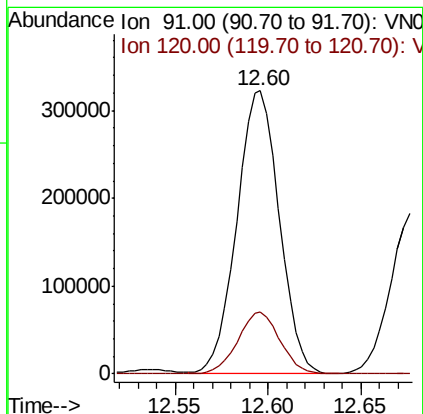
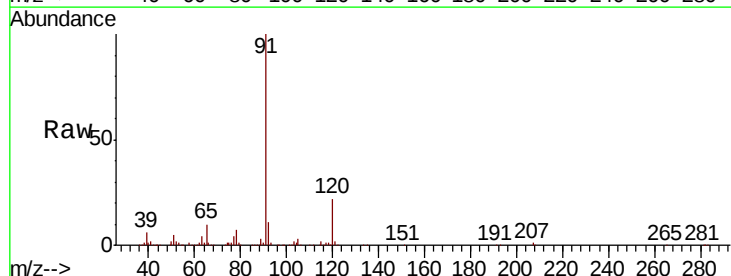
RT: 12.60 min Scan# 3366

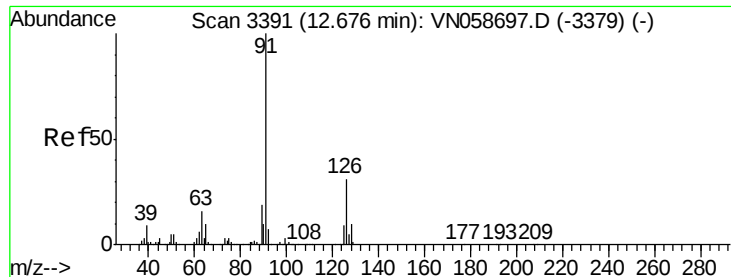
Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 508867 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 21.8  | 11.1  | 33.3   |





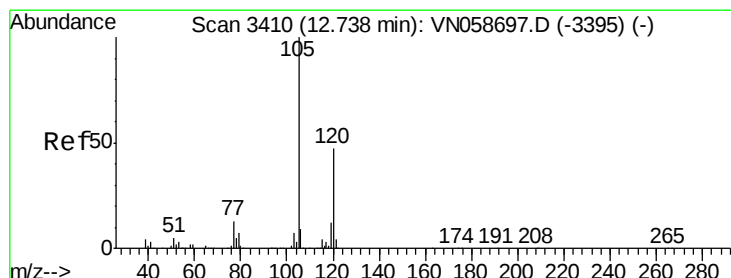
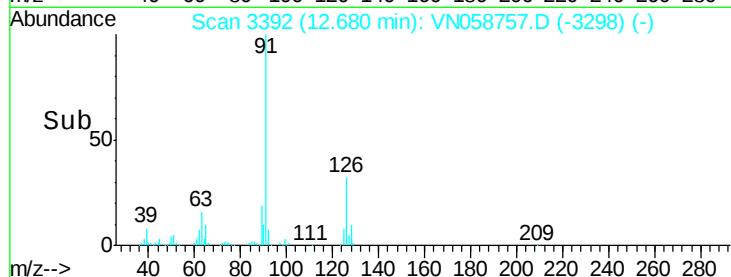
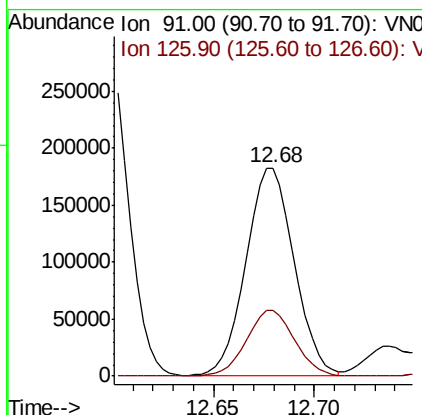
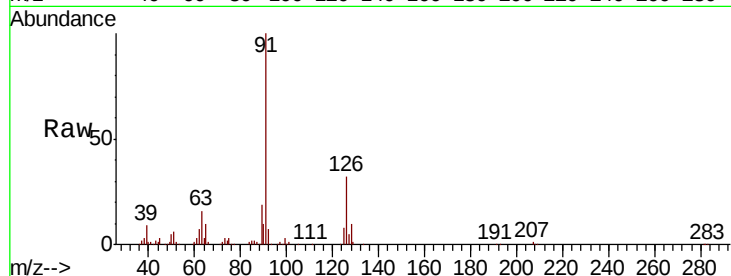
#79  
 2-Chlorotoluene  
 Concen: 20.974 ug/l  
 RT: 12.68 min Scan# 3392  
 Delta R.T. 0.00 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1014WBSD01

Tot Ion: 91 Resp: 303985  
 Ion Ratio Lower Upper  
 91 100  
 126 31.8 16.2 48.5

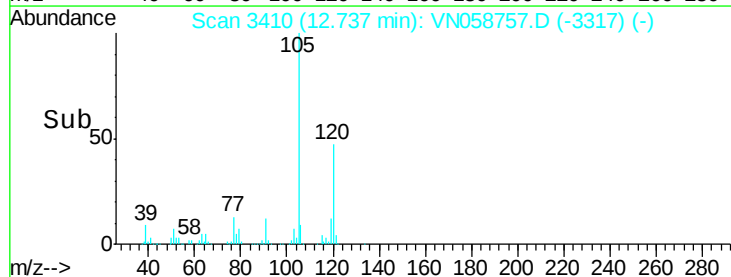
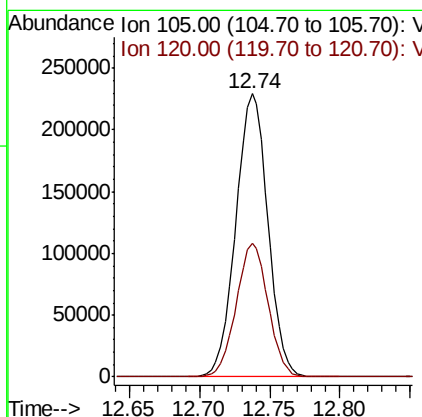
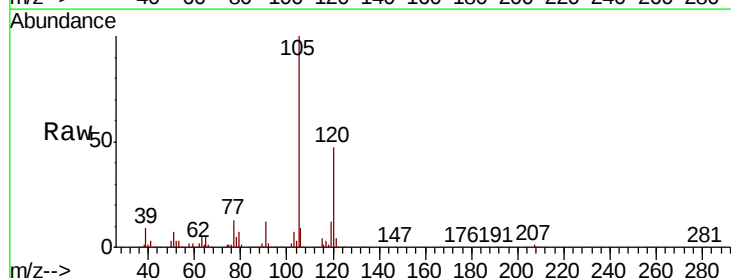
Manual Integrations  
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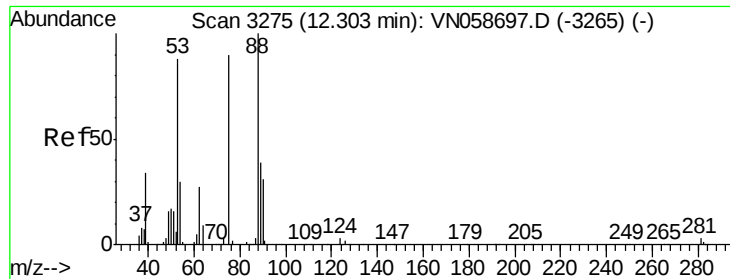
MMDadoda  
 10/16/2019 12:57:13 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 21.286 ug/l  
 RT: 12.74 min Scan# 3410  
 Delta R.T. -0.00 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

Tgt Ion: 105 Resp: 364168  
 Ion Ratio Lower Upper  
 105 100  
 120 47.1 23.4 70.2





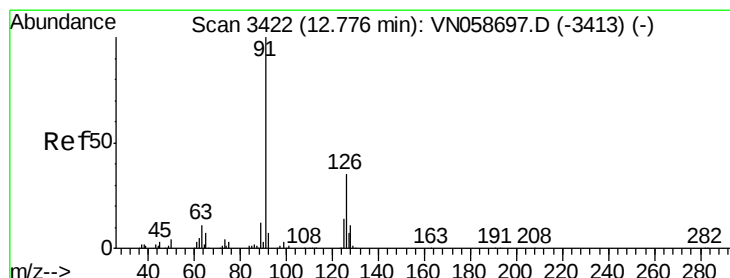
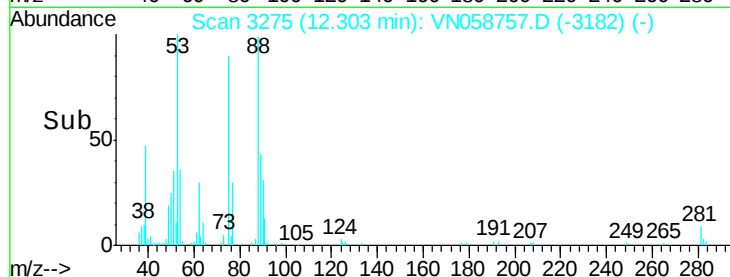
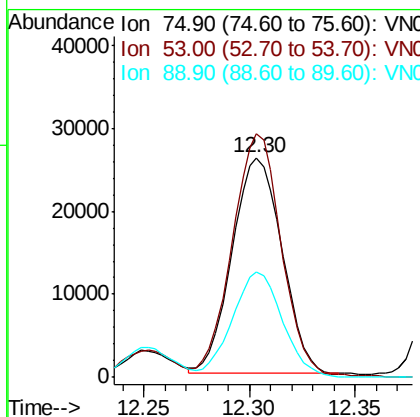
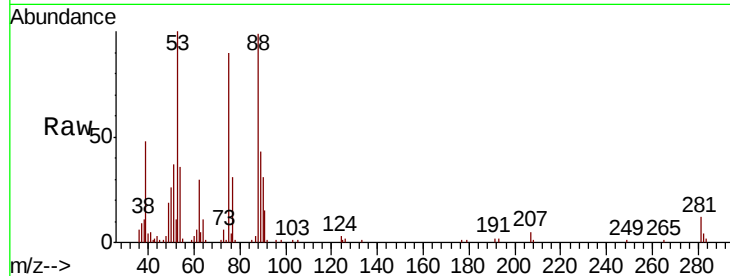
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.910 ug/l  
RT: 12.30 min Scan# 3275  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 111.8 | 78.4  | 117.6 |
| 89      | 49.1  | 34.9  | 52.3  |

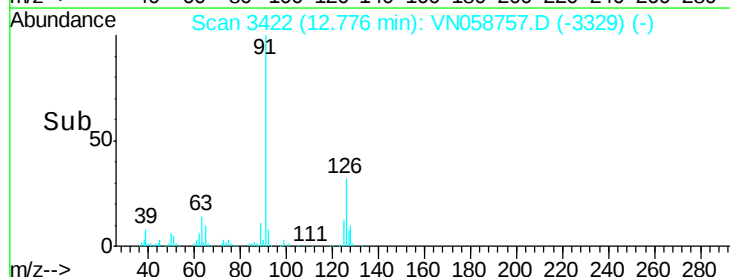
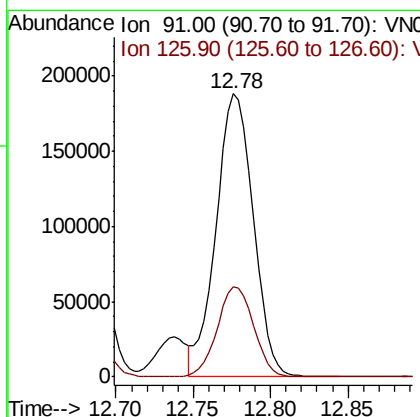
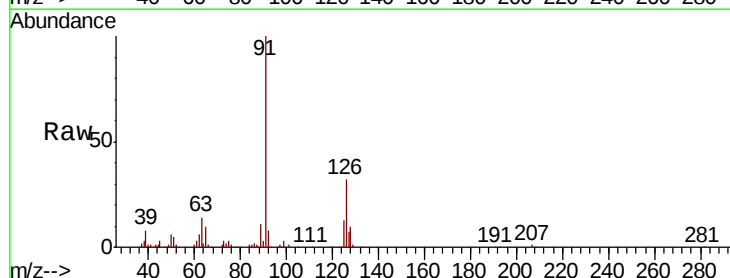
Manual Integrations  
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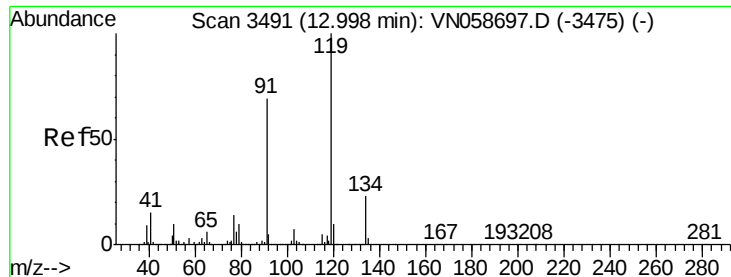
MMDadoda  
10/16/2019 12:57:13 AM



#82  
4-Chlorotoluene  
Concen: 21.112 ug/l  
RT: 12.78 min Scan# 3422  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.3  | 15.9  | 47.6  |





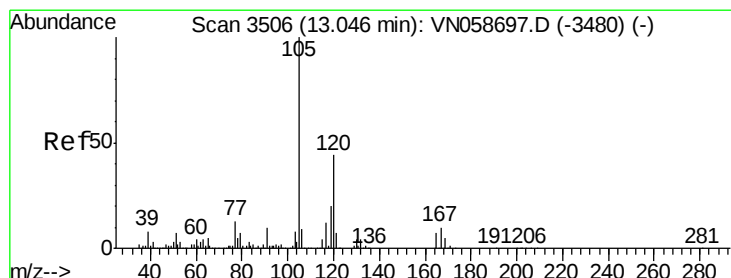
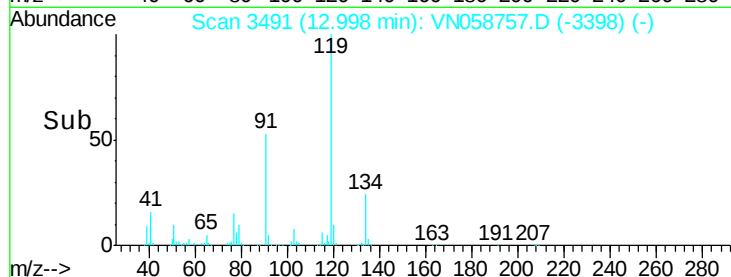
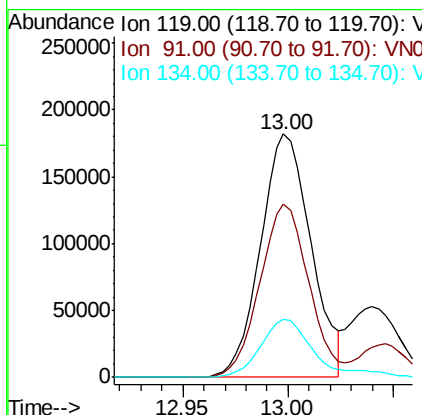
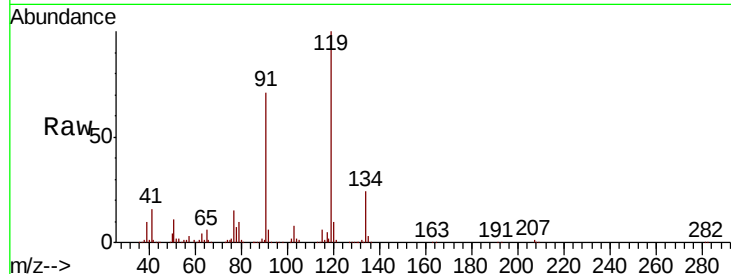
#83  
tert-Butylbenzene  
Concen: 20.667 ug/l  
RT: 13.00 min Scan# 3491  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 69.0  | 33.8  | 101.3 |
| 134     | 25.4  | 12.6  | 37.6  |

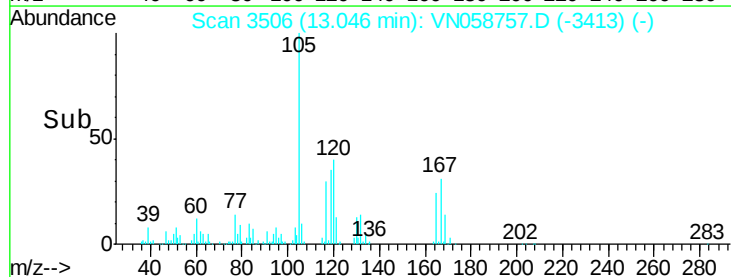
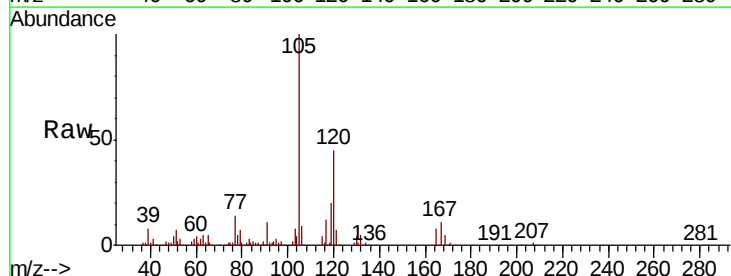
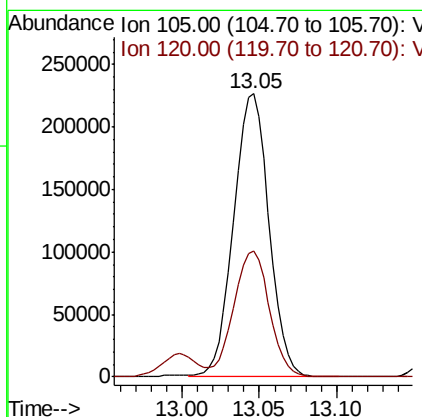
Manual Integrations  
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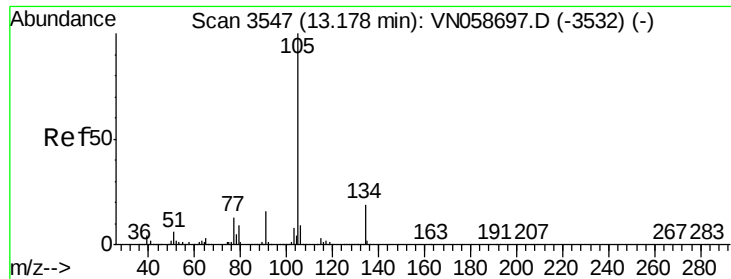
MMDadoda  
10/16/2019 12:57:13 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 21.091 ug/l  
RT: 13.05 min Scan# 3506  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.0  | 21.9  | 65.7  |





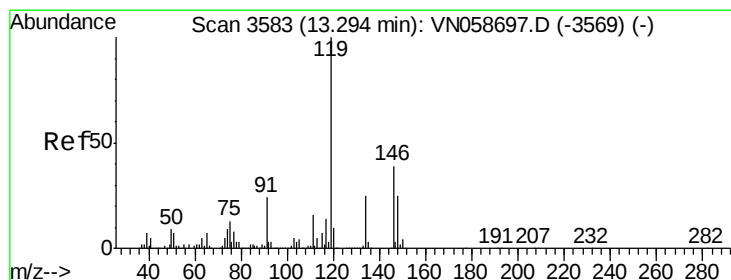
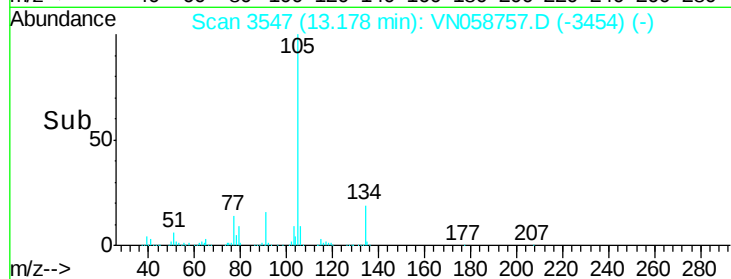
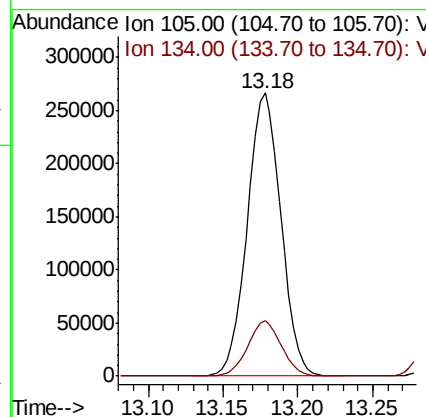
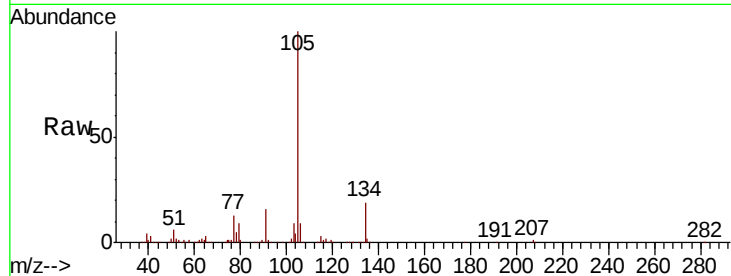
#85  
 sec-Butylbenzene  
 Concen: 21.624 ug/l  
 RT: 13.18 min Scan# 3547  
 Delta R.T. -0.00 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1014WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.3  | 9.7   | 29.1  |

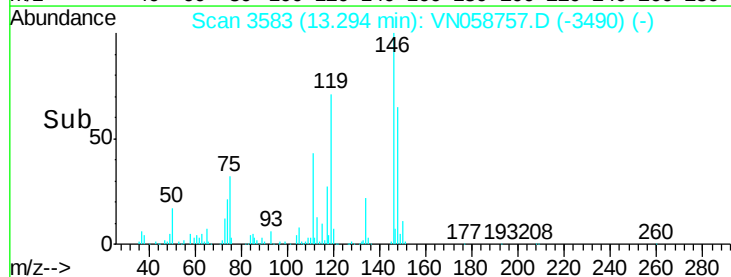
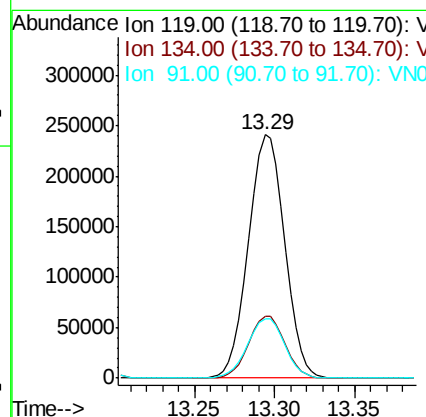
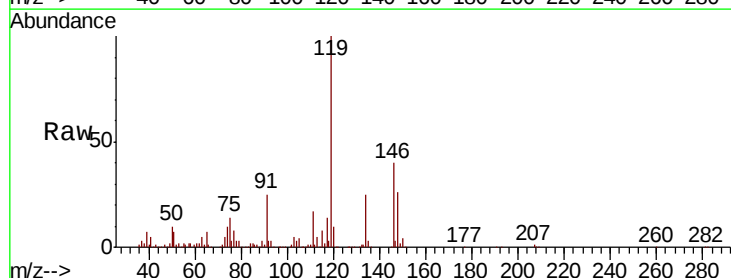
Manual Integrations  
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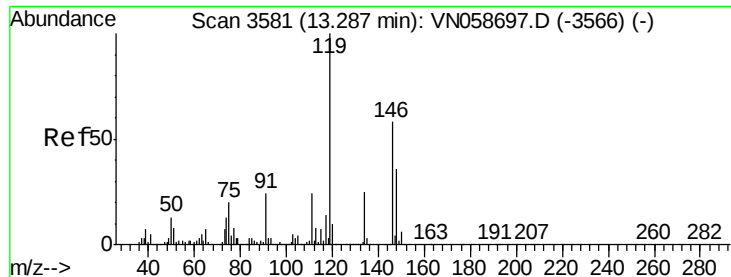
MMDadoda  
 10/16/2019 12:57:13 AM



#86  
 p-Isopropyltoluene  
 Concen: 21.092 ug/l  
 RT: 13.29 min Scan# 3583  
 Delta R.T. -0.00 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.6  | 12.7  | 38.1  |
| 91      | 25.0  | 11.9  | 35.5  |





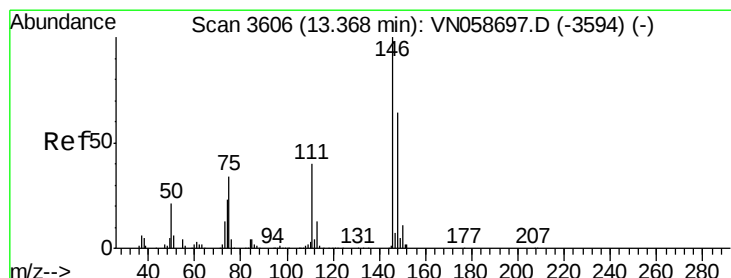
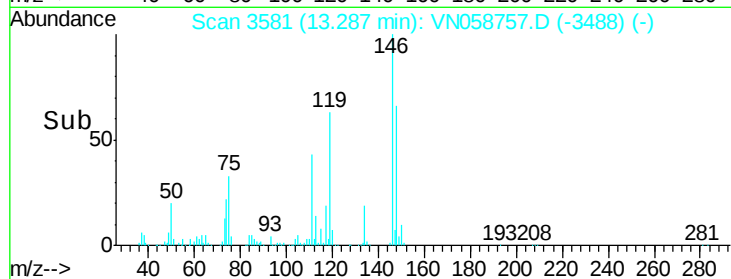
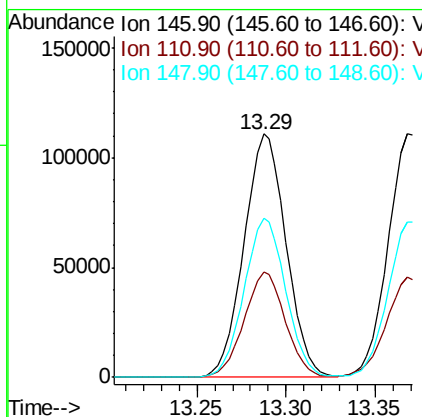
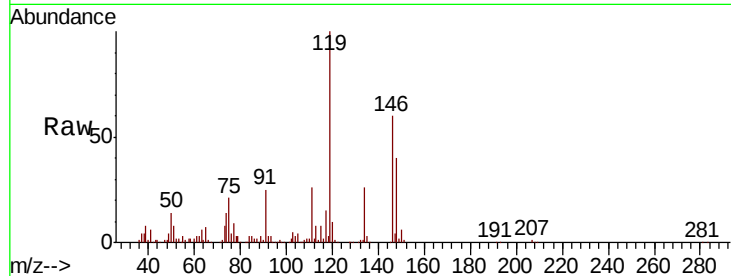
#87  
 1,3-Dichlorobenzene  
 Concen: 20.329 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. -0.00 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1014WBSD01

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 146     | 100   |            |       |
| 111     | 42.4  | 20.5       | 61.6  |
| 148     | 64.9  | 31.3       | 93.9  |

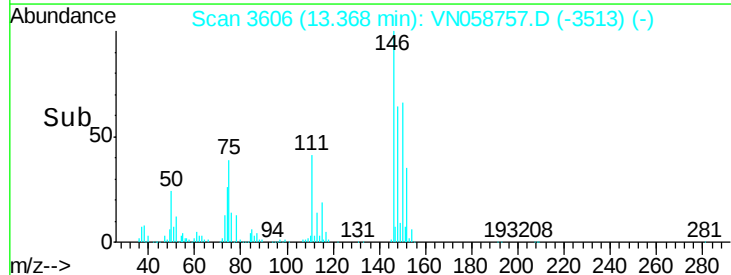
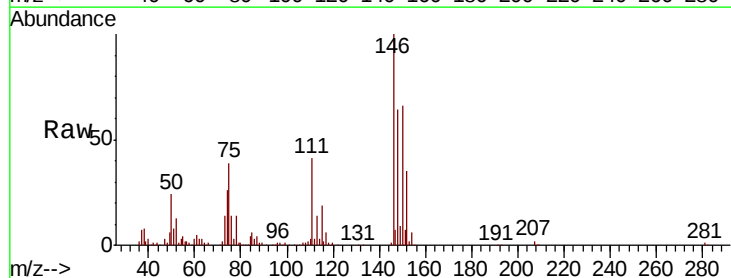
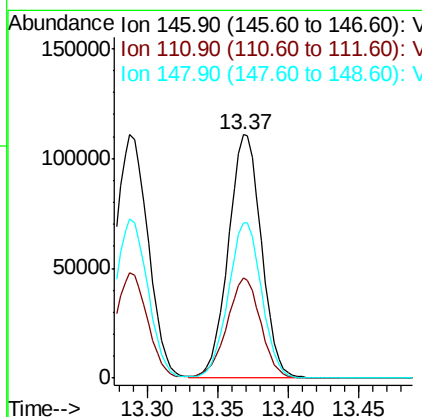
Manual Integrations  
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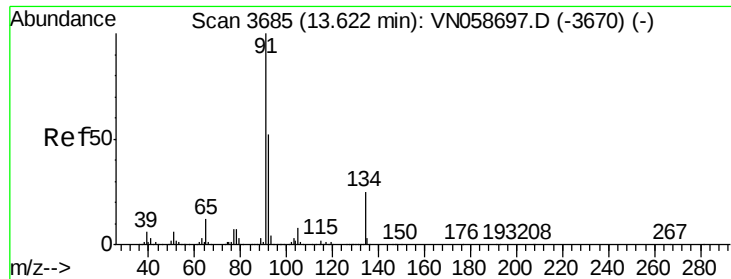
MMDadoda  
 10/16/2019 12:57:13 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.894 ug/l  
 RT: 13.37 min Scan# 3606  
 Delta R.T. -0.00 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 146     | 100   |            |       |
| 111     | 41.7  | 20.1       | 60.2  |
| 148     | 64.5  | 31.9       | 95.7  |





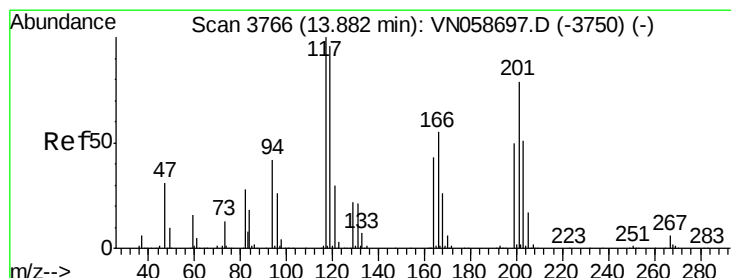
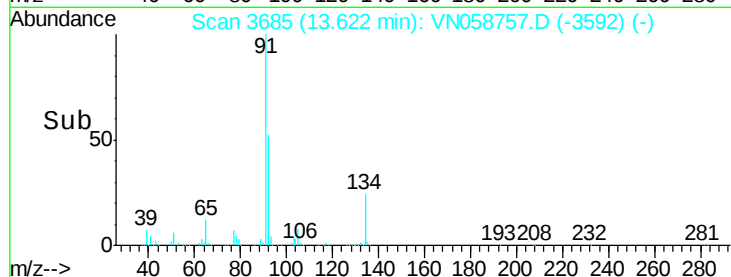
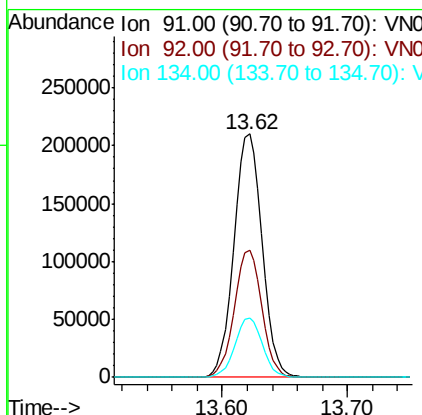
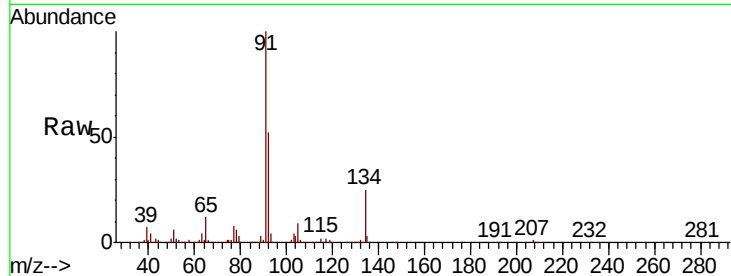
#89  
n-Butylbenzene  
Concen: 20.243 ug/l  
RT: 13.62 min Scan# 3685  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 50.9  | 26.0  | 78.0  |
| 134     | 23.9  | 12.2  | 36.6  |

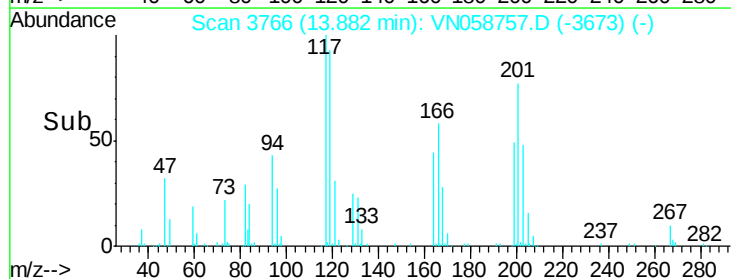
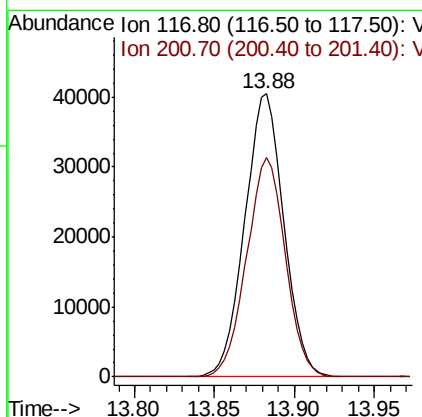
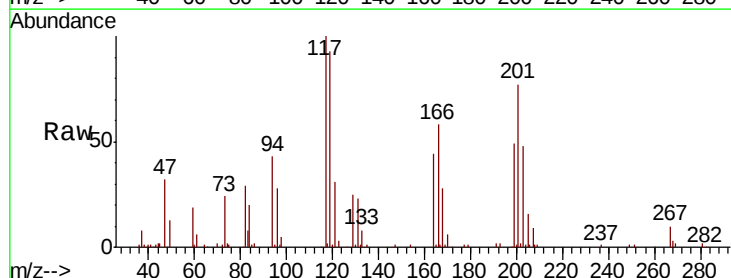
Manual Integrations  
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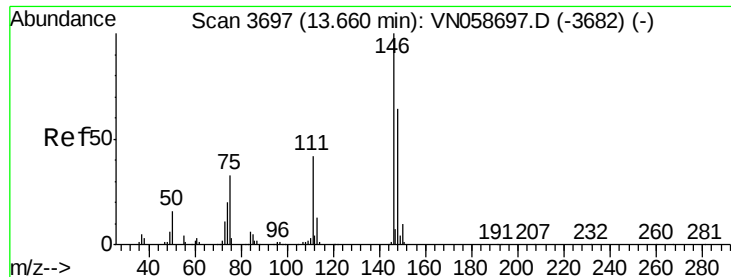
MMDadoda  
10/16/2019 12:57:13 AM



#90  
Hexachloroethane  
Concen: 21.595 ug/l  
RT: 13.88 min Scan# 3766  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 76.9  | 39.6  | 118.7 |





#91

1,2-Dichlorobenzene

Concen: 21.004 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

Instrument :

MSVOA\_N

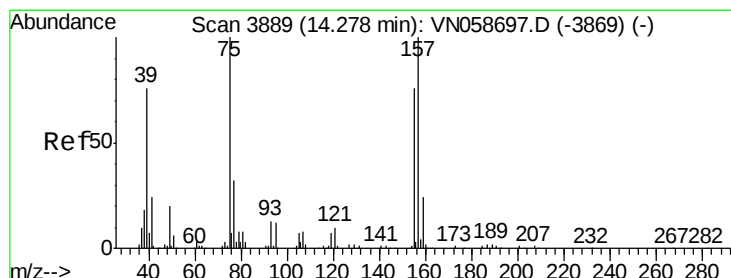
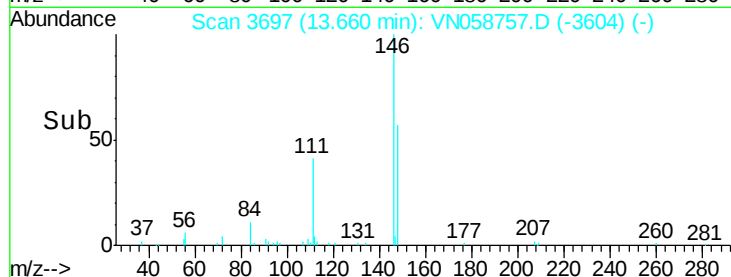
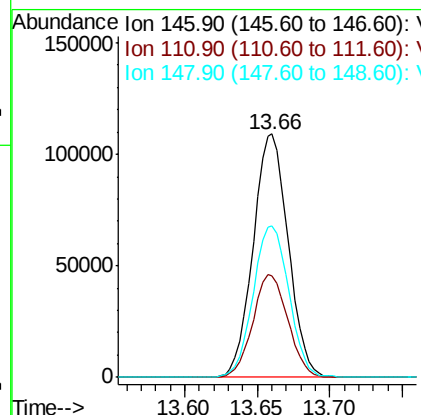
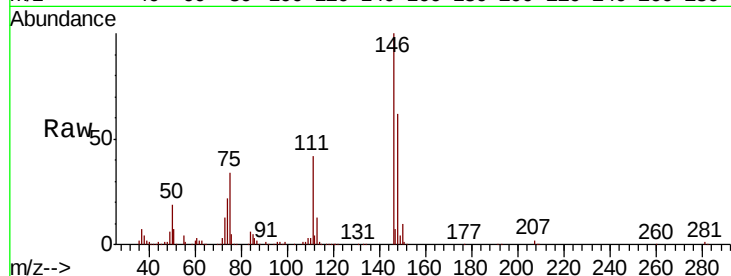
ClientSampleId :

VN1014WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 184015 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 42.3  | 21.1  | 63.4   |
| 148       | 63.5  | 31.8  | 95.3   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.503 ug/l

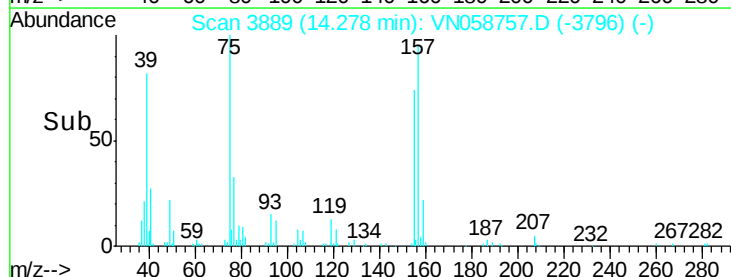
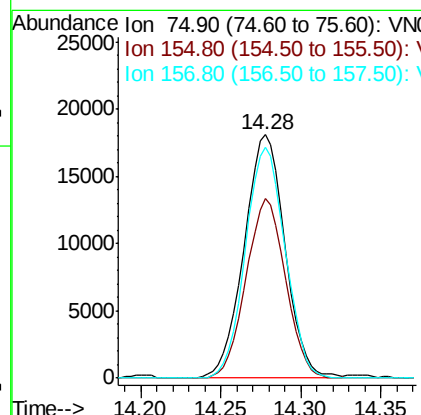
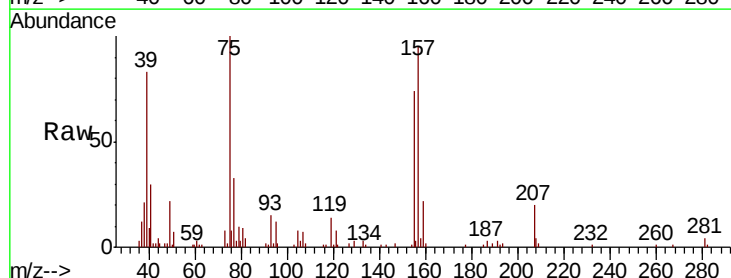
RT: 14.28 min Scan# 3889

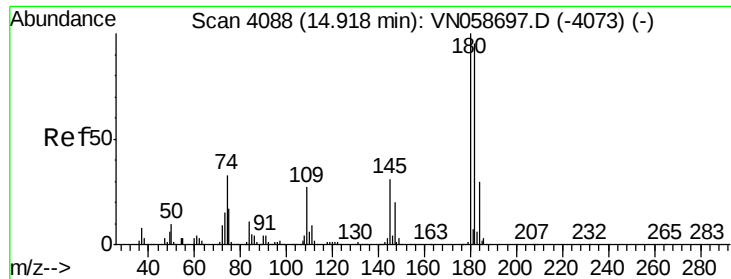
Delta R.T. -0.00 min

Lab File: VN058757.D

Acq: 14 Oct 2019 18:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 31620 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 71.0  | 37.9  | 113.6 |
| 157       | 92.0  | 49.4  | 148.2 |





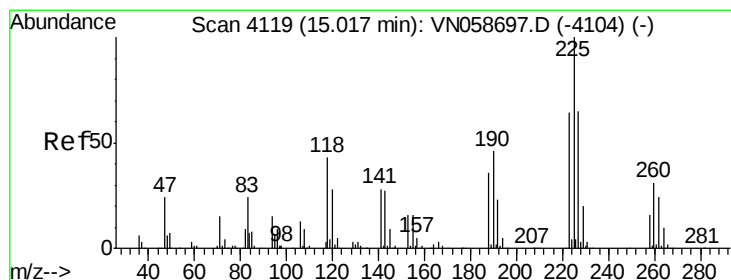
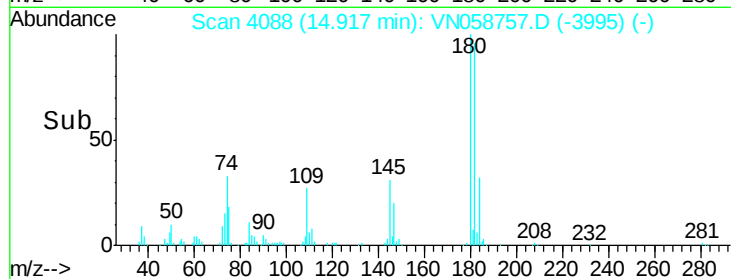
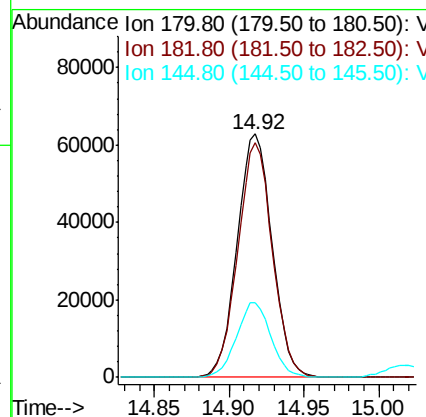
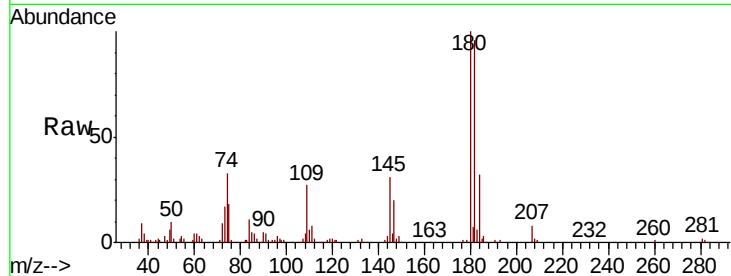
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.172 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. -0.00 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1014WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 102461 |       |       |
| 182     | 94.9  | 47.4   | 142.2 |       |
| 145     | 30.2  | 15.4   | 46.2  |       |

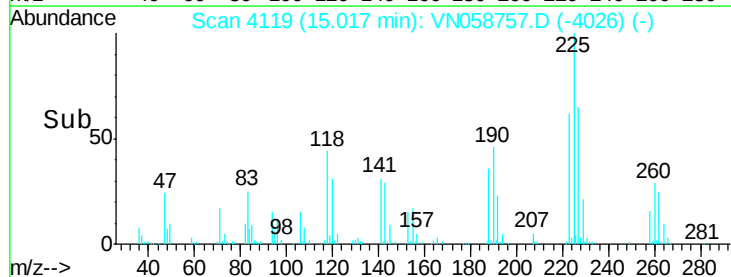
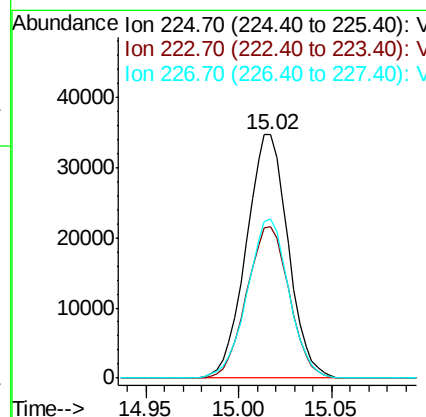
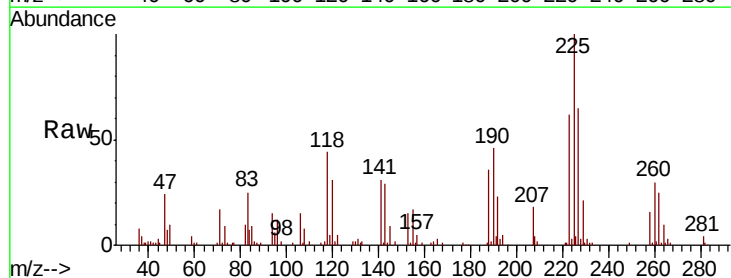
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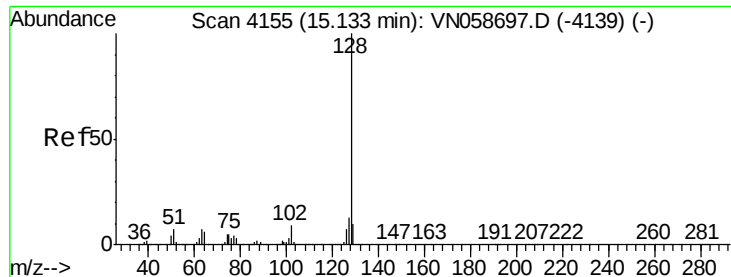
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 19.436 ug/l  
 RT: 15.02 min Scan# 4119  
 Delta R.T. -0.00 min  
 Lab File: VN058757.D  
 Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 54700 |       |       |
| 223     | 63.3  | 32.3  | 96.8  |       |
| 227     | 65.0  | 32.4  | 97.0  |       |





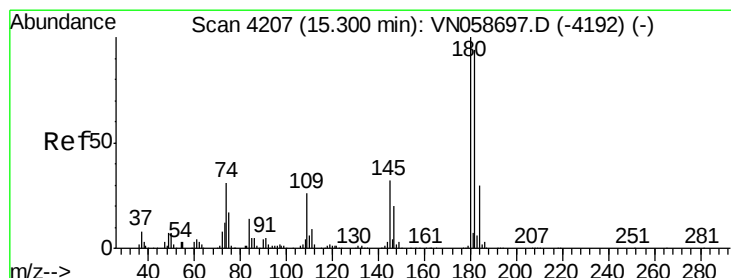
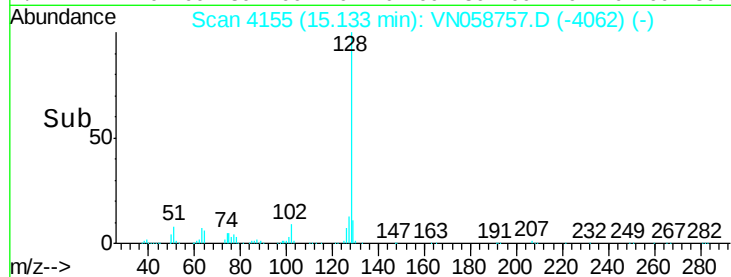
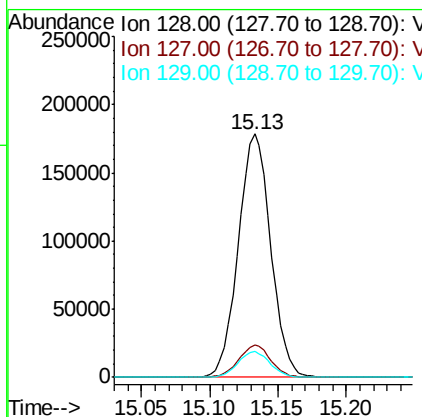
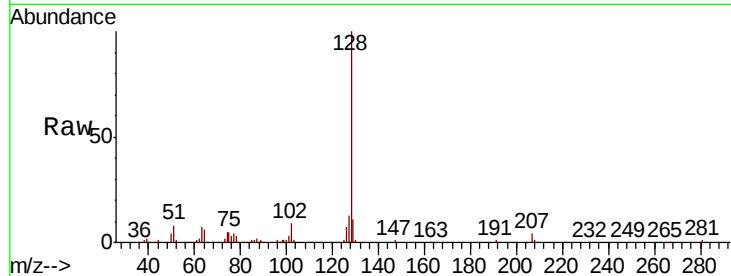
#95  
Naphthalene  
Concen: 19.171 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1014WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 294460 |       |       |
| 127     | 13.1  | 10.2   | 15.4  |       |
| 129     | 10.7  | 8.5    | 12.7  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 19.391 ug/l  
RT: 15.30 min Scan# 4207  
Delta R.T. -0.00 min  
Lab File: VN058757.D  
Acq: 14 Oct 2019 18:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 101177 |       |       |
| 182     | 96.6  | 47.3   | 142.0 |       |
| 145     | 32.9  | 16.2   | 48.6  |       |

