

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN072618\  
 Data File : VN050101.D  
 Acq On : 26 Jul 2018 23:56  
 Operator : MD\SY  
 Sample : VN0726WBSD02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0726WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 7/27/2018 12:16:30 PM

Quant Time: Jul 27 04:16:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 638544   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 979150   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 881973   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 434649   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 442611   | 49.68 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.36% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 388660   | 48.62 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.24% |      |
| 50) Toluene-d8              | 10.09  | 98  | 1435022  | 48.83 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.66% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 469637   | 48.53 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.06% |      |

|                               |      |     |         |       |        |     |
|-------------------------------|------|-----|---------|-------|--------|-----|
| Target Compounds              |      |     |         |       | Qvalue |     |
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 187910  | 20.48 | ug/l   | 99  |
| 3) Chloromethane              | 2.06 | 50  | 186011  | 18.65 | ug/l   | 100 |
| 4) Vinyl Chloride             | 2.18 | 62  | 197193  | 18.78 | ug/l   | 98  |
| 5) Bromomethane               | 2.56 | 94  | 85142   | 13.87 | ug/l   | 100 |
| 6) Chloroethane               | 2.70 | 64  | 117064  | 18.56 | ug/l   | 99  |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 256891  | 18.88 | ug/l   | 98  |
| 8) Diethyl Ether              | 3.41 | 74  | 89833   | 19.81 | ug/l   | 100 |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 152432  | 18.63 | ug/l   | 99  |
| 10) Methyl Iodide             | 3.95 | 142 | 113530  | 10.81 | ug/l   | 97  |
| 11) Tert butyl alcohol        | 4.80 | 59  | 63779   | 97.30 | ug/l # | 86  |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 141599  | 19.24 | ug/l   | 98  |
| 13) Acrolein                  | 3.61 | 56  | 27453   | 52.12 | ug/l   | 99  |
| 14) Allyl chloride            | 4.32 | 41  | 216593  | 18.98 | ug/l   | 99  |
| 15) Acrylonitrile             | 5.00 | 53  | 274521  | 95.99 | ug/l   | 99  |
| 16) Acetone                   | 3.82 | 43  | 204997  | 94.99 | ug/l   | 98  |
| 17) Carbon Disulfide          | 4.05 | 76  | 403750  | 17.91 | ug/l   | 100 |
| 18) Methyl Acetate            | 4.33 | 43  | 186120  | 21.89 | ug/l   | 99  |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 402474  | 20.52 | ug/l   | 98  |
| 20) Methylene Chloride        | 4.55 | 84  | 163247  | 19.91 | ug/l   | 99  |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 150567  | 19.31 | ug/l   | 97  |
| 22) Diisopropyl ether         | 5.96 | 45  | 471915  | 20.86 | ug/l   | 95  |
| 23) Vinyl Acetate             | 5.90 | 43  | 1567347 | 98.02 | ug/l   | 100 |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 289774  | 19.58 | ug/l   | 99  |
| 25) 2-Butanone                | 6.85 | 43  | 320955  | 94.45 | ug/l   | 99  |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 167884  | 14.91 | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 169912  | 20.24 | ug/l   | 97  |
| 28) Bromochloromethane        | 7.20 | 49  | 135472  | 20.07 | ug/l   | 98  |
| 29) Tetrahydrofuran           | 7.22 | 42  | 214056  | 97.48 | ug/l   | 99  |
| 30) Chloroform                | 7.37 | 83  | 293369  | 19.43 | ug/l   | 99  |
| 31) Cyclohexane               | 7.66 | 56  | 236361  | 19.22 | ug/l   | 92  |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 251060  | 19.44 | ug/l   | 100 |
| 36) 1,1-Dichloropropene       | 7.80 | 75  | 215633  | 19.55 | ug/l   | 99  |
| 37) Ethyl Acetate             | 6.94 | 43  | 148894  | 19.36 | ug/l   | 99  |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 217927  | 18.62 | ug/l   | 99  |

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 Sample : VN0726WBSD02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0726WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 7/27/2018 12:16:30 PM

Quant Time: Jul 27 04:16:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.09  | 83   | 212531   | 18.73  | ug/l   | 99       |
| 40) Benzene                    | 8.05  | 78   | 653896   | 19.48  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 76197    | 20.72  | ug/l # | 79       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 213330   | 19.05  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 296993   | 19.80  | ug/l # | 92       |
| 44) Trichloroethene            | 8.84  | 130  | 170697   | 18.92  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 171700   | 19.31  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 106665   | 19.32  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.41  | 83   | 219668   | 18.85  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 128870   | 19.46  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 34906    | 387.22 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 737793   | 97.58  | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 399349   | 20.15  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 206803   | 18.81  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 238894   | 19.01  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 150738   | 19.18  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 186515   | 18.84  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 249393   | 19.49  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 427549   | 91.55  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 486134   | 90.86  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 166099   | 19.09  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 149153   | 19.13  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 168878   | 19.92  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.44 | 112  | 428404   | 19.23  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 160624   | 18.76  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 711167   | 19.87  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 556881   | 41.14  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 268829   | 20.83  | ug/l   | 98       |
| 70) Styrene                    | 11.97 | 104  | 422028   | 18.97  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 117102   | 18.81  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 703699   | 20.88  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 200078   | 19.42  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 193152   | 20.41  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 154940m  | 19.18  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 184078   | 19.70  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 795229   | 21.11  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 486260   | 20.82  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 579945   | 21.87  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 43321    | 17.01  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 476973   | 20.62  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.00 | 119  | 497640   | 21.51  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 589704   | 22.06  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 656579   | 21.24  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 561900   | 21.57  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 315404   | 19.91  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 300318   | 19.45  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 435741   | 20.34  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.88 | 117  | 107273   | 18.54  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 311869   | 19.70  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 30583    | 19.87  | ug/l   | 99       |

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Sample : VN0726WBSD02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0726WBSD02

Manual Integrations  
APPROVED

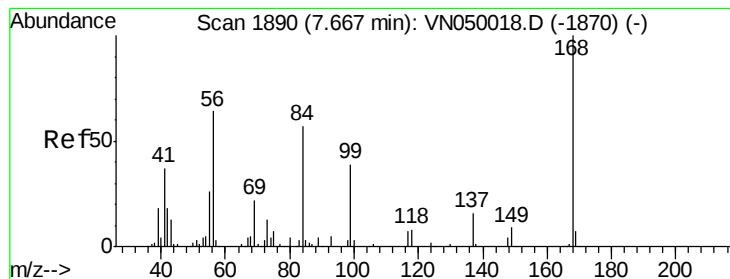
MMDadoda  
7/27/2018 12:16:30 PM

Quant Time: Jul 27 04:16:14 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 26 18:10:10 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 139232   | 18.64 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 93860    | 19.37 | ug/l  | 99       |
| 95) Naphthalene            | 15.14 | 128  | 310044   | 18.66 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 146881   | 19.37 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

ClientSampleId :

VN0726WBSD02

Tot Ion:168 Resp: 638544

Ion Ratio Lower Upper

168 100

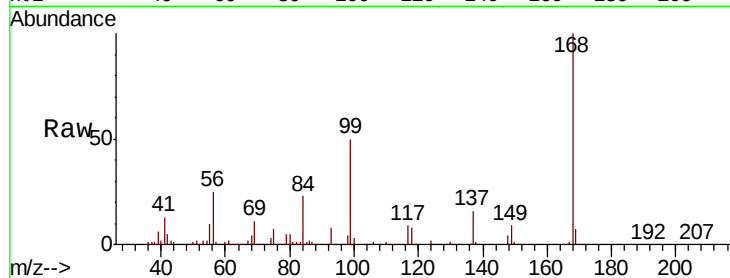
99 49.6 40.0 60.0

Manual Integrations

APPROVED

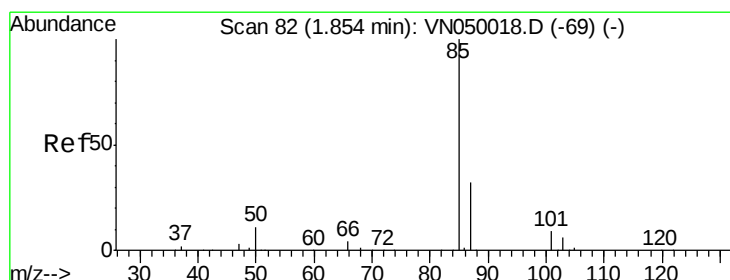
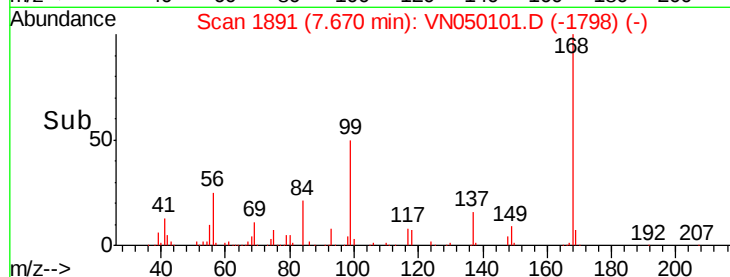
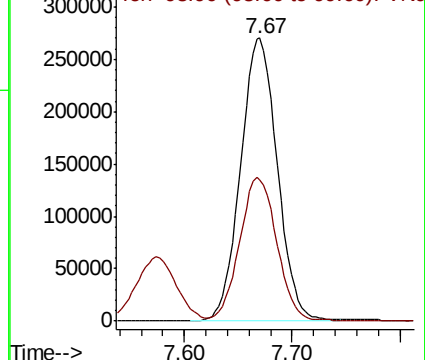
MMDadoda

7/27/2018 12:16:30 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.48 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050101.D

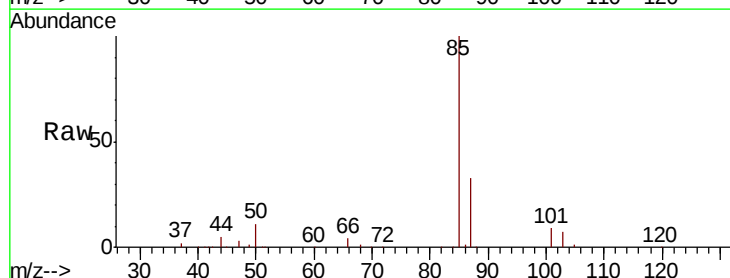
Acq: 26 Jul 2018 23:56

Tgt Ion: 85 Resp: 187910

Ion Ratio Lower Upper

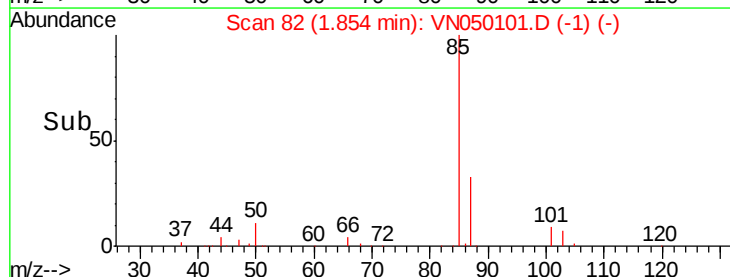
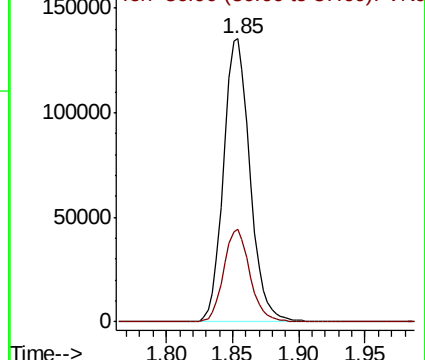
85 100

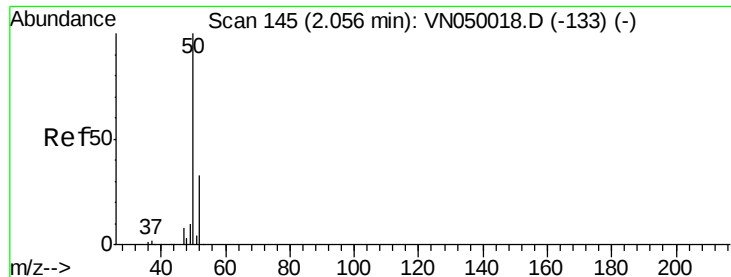
87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.65 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

ClientSampleId :

VN0726WBSD02

Tot Ion: 50 Resp: 186011

Ion Ratio Lower Upper

50 100

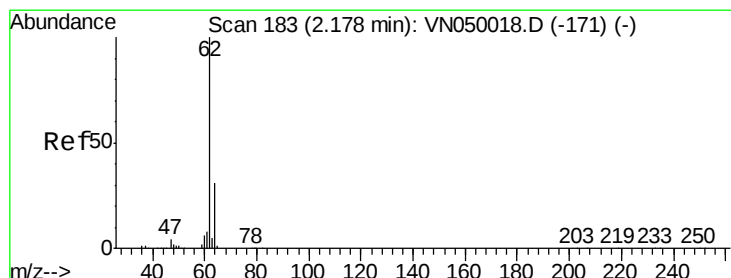
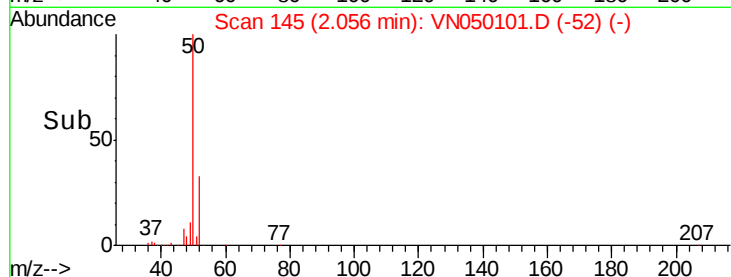
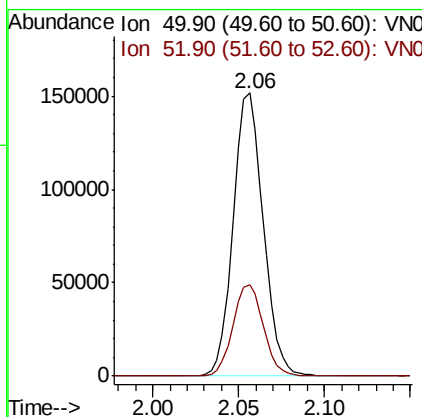
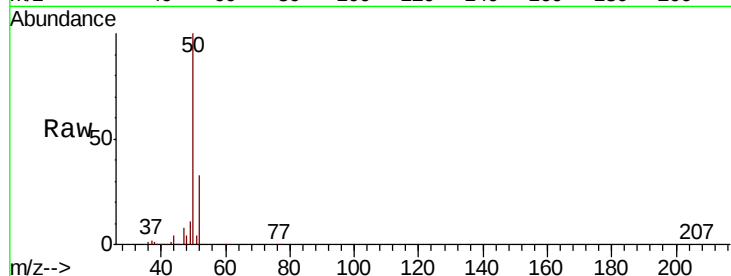
52 32.5 25.9 38.9

Manual Integrations

APPROVED

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7/27/2018 12:16:30 PM



#4

Vinyl Chloride

Concen: 18.78 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050101.D

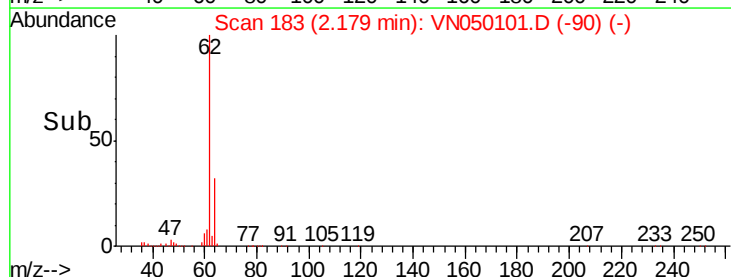
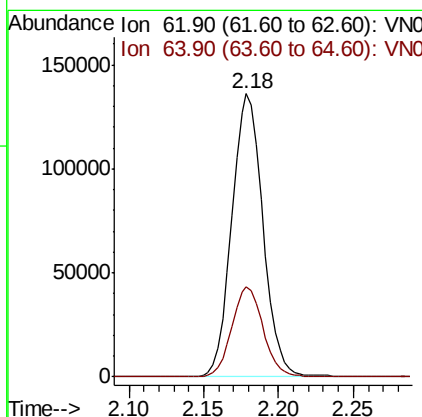
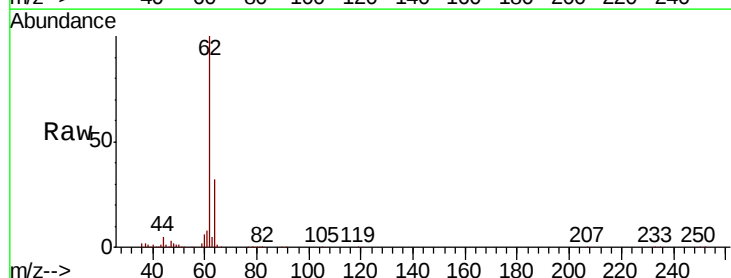
Acq: 26 Jul 2018 23:56

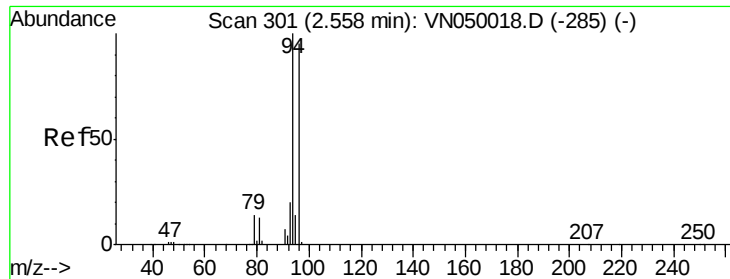
Tgt Ion: 62 Resp: 197193

Ion Ratio Lower Upper

62 100

64 32.1 24.7 37.1





#5

Bromomethane

Concen: 13.87 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

ClientSampled :

VN0726WBSD02

Tot Ion: 94 Resp: 85142

Ion Ratio Lower Upper

94 100

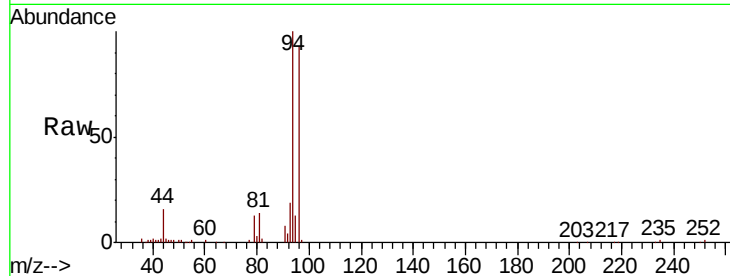
96 93.1 74.6 112.0

Manual Integrations

APPROVED

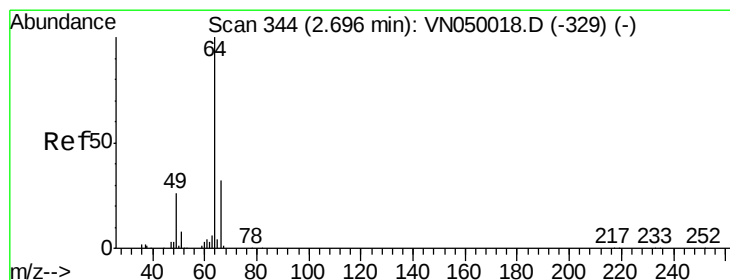
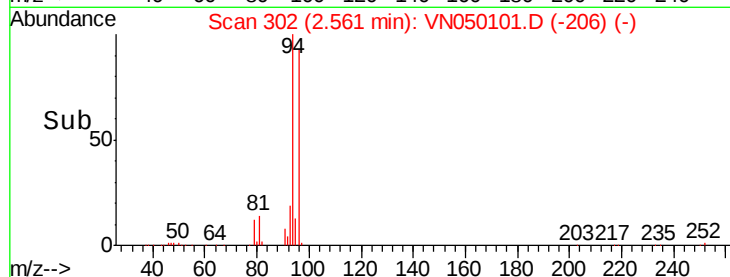
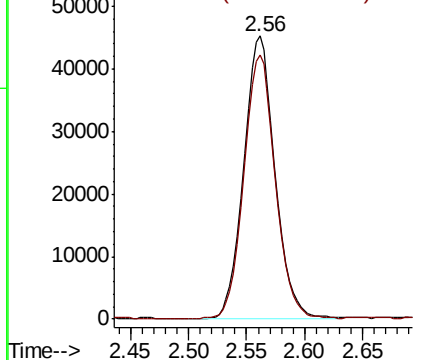
MMDadoda

7/27/2018 12:16:30 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.56 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050101.D

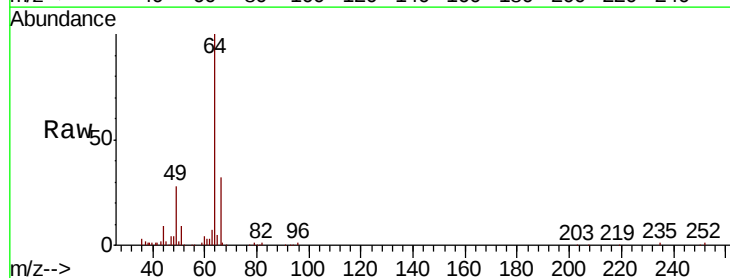
Acq: 26 Jul 2018 23:56

Tgt Ion: 64 Resp: 117064

Ion Ratio Lower Upper

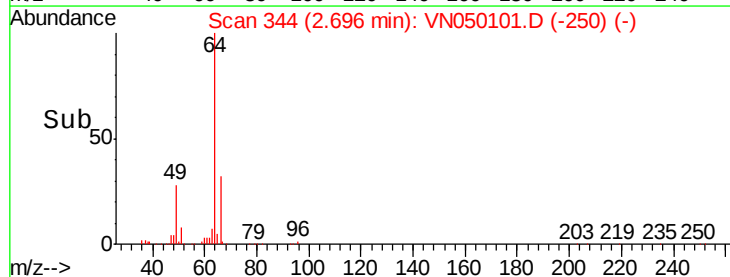
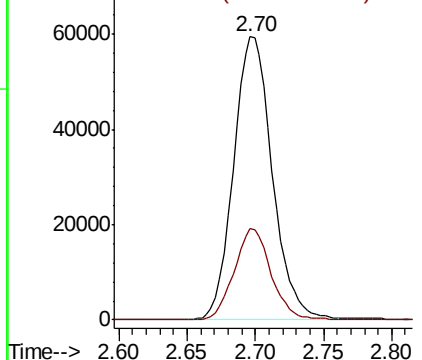
64 100

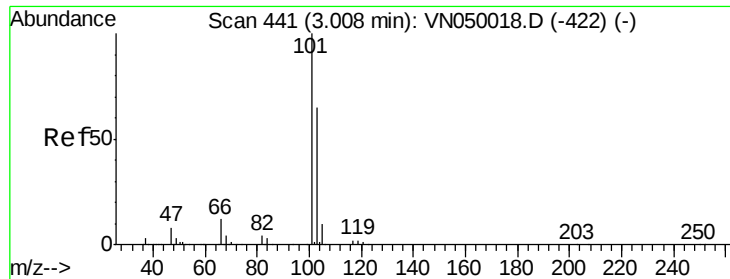
66 32.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

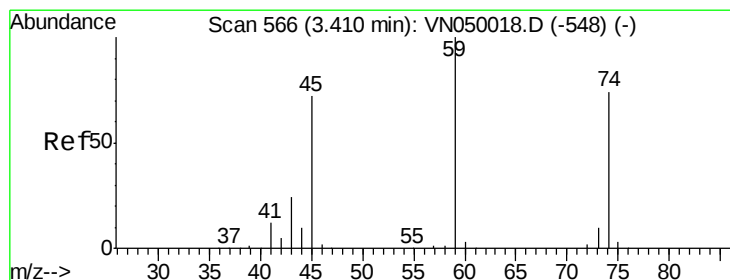
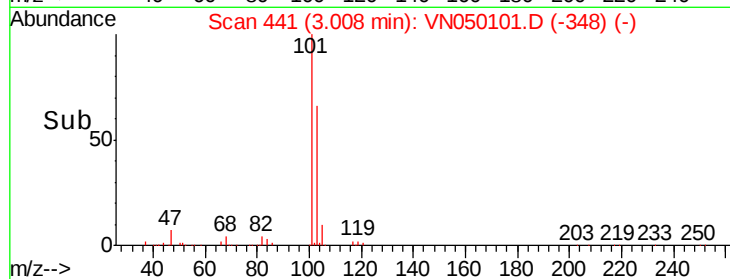
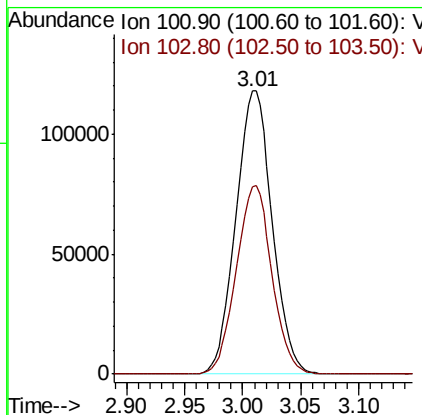
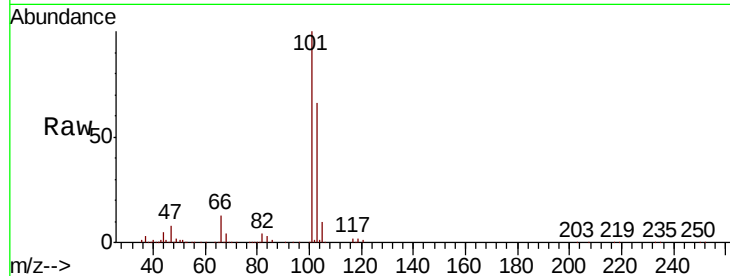
Trichlorofluoromethane  
 Concen: 18.88 ug/l  
 RT: 3.01 min Scan# 441  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0726WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.1  | 51.7  | 77.5  |

Manual Integrations  
 APPROVED

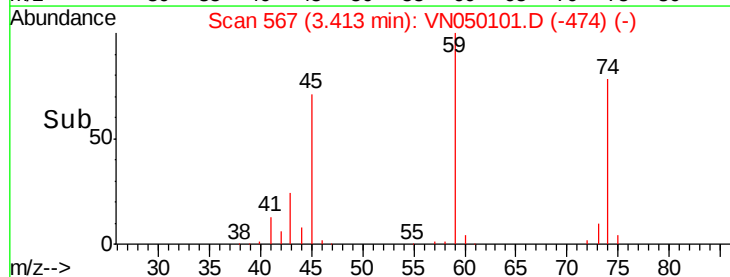
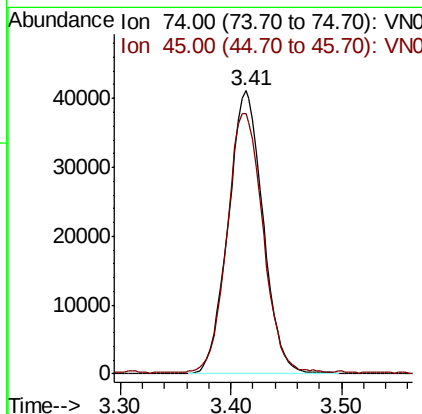
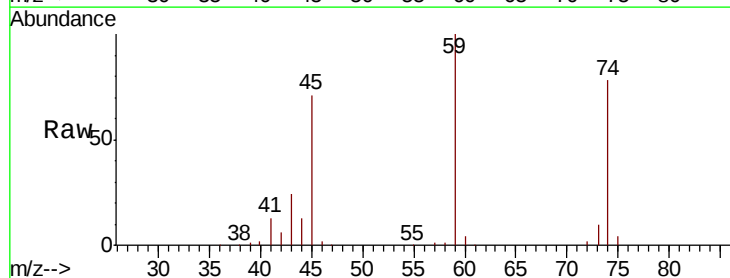
MMDadoda  
 7/27/2018 12:16:30 PM

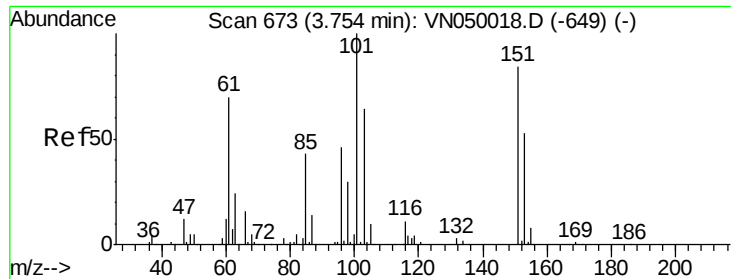


#8

Diethyl Ether  
 Concen: 19.81 ug/l  
 RT: 3.41 min Scan# 567  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 94.8  | 47.6  | 142.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.63 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

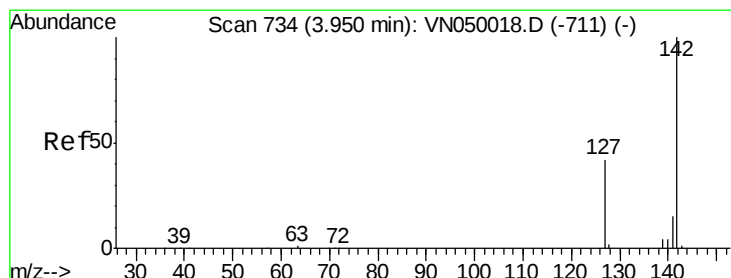
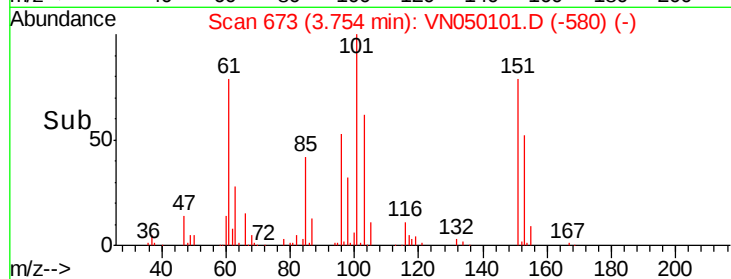
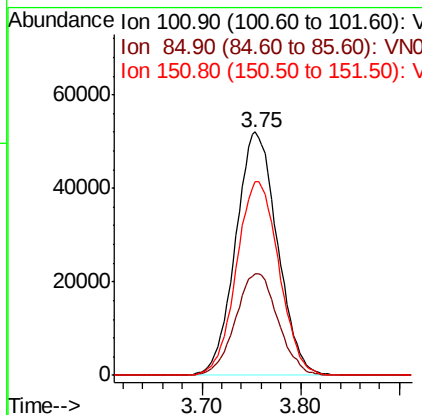
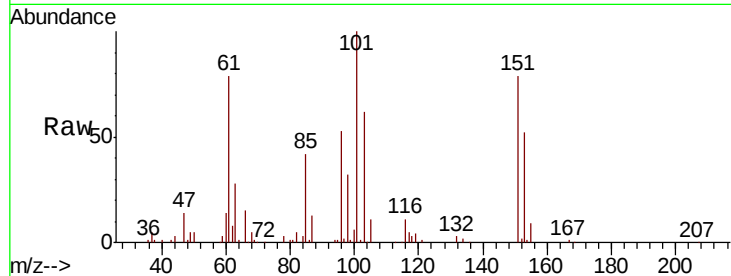
ClientSampleId :

VN0726WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 152432 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.8  | 34.2  | 51.2   |
| 151       | 81.1  | 66.3  | 99.5   |

Manual Integrations  
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7/27/2018 12:16:30 PM



#10

Methyl Iodide

Concen: 10.81 ug/l

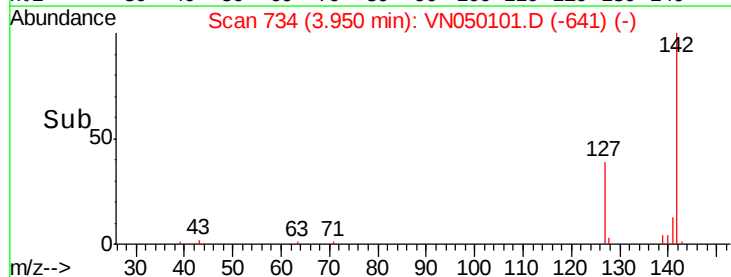
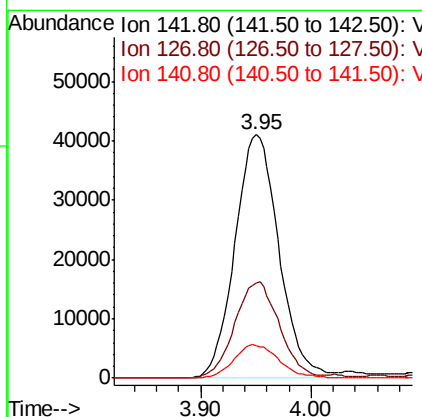
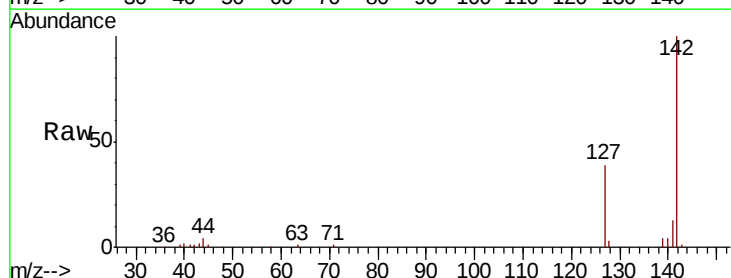
RT: 3.95 min Scan# 734

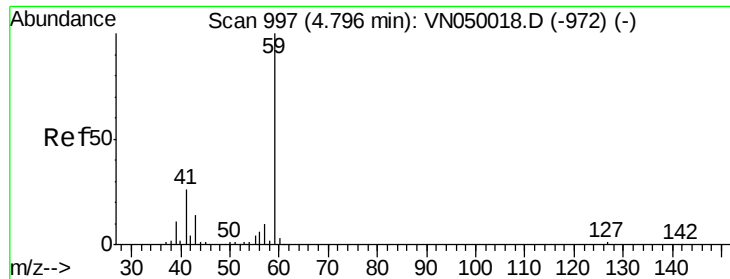
Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 113530 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 39.8  | 33.4  | 50.2   |
| 141       | 14.1  | 11.6  | 17.4   |





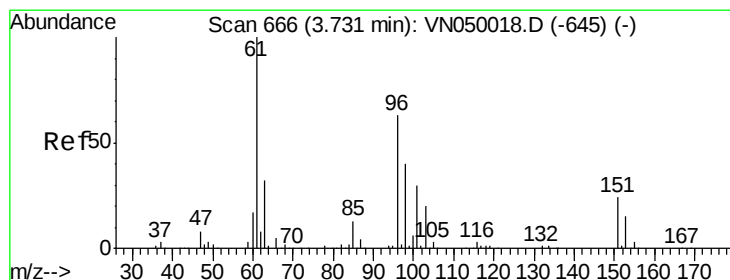
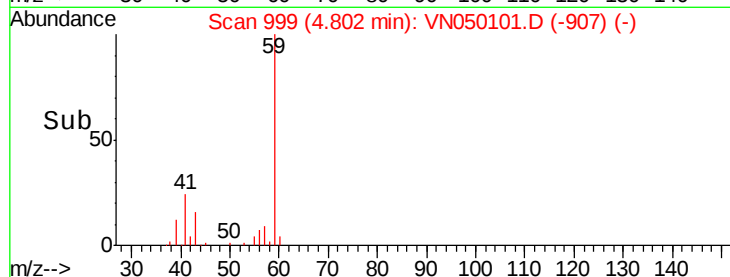
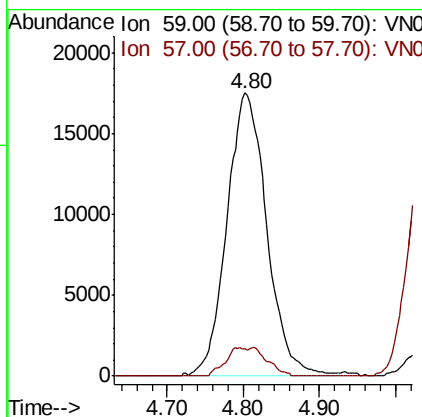
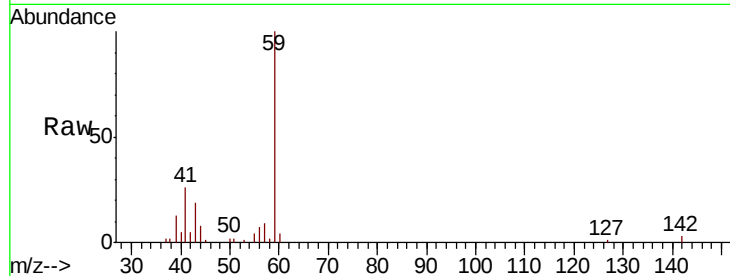
#11  
Tert butyl alcohol  
Concen: 97.30 ug/l  
RT: 4.80 min Scan# 999  
Delta R.T. -0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0726WBSD02

Tot Ion: 59 Resp: 63779  
Ion Ratio Lower Upper  
59 100  
57 5.5 8.5 12.7#

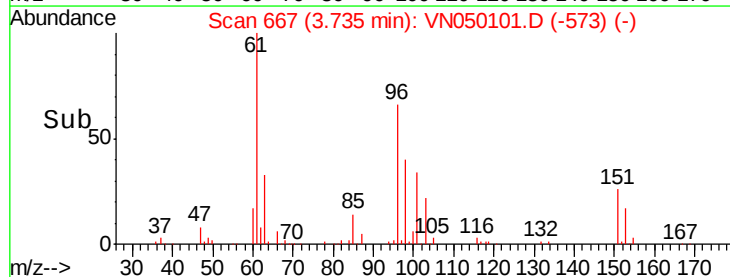
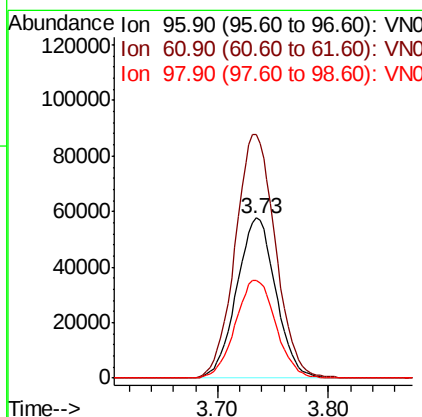
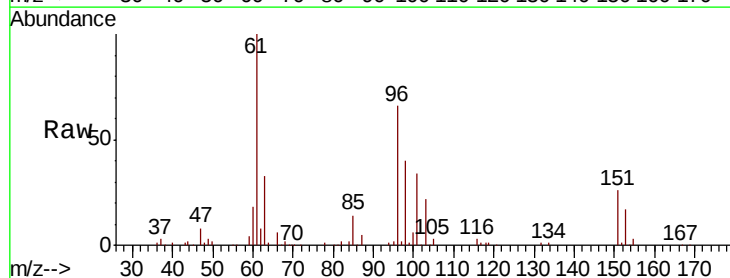
Manual Integrations  
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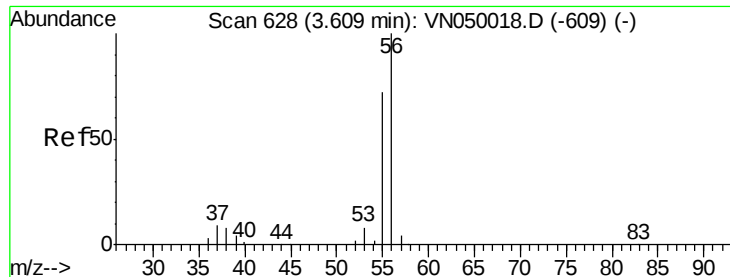
MMDadoda  
7/27/2018 12:16:30 PM



#12  
1,1-Dichloroethene  
Concen: 19.24 ug/l  
RT: 3.73 min Scan# 667  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Tgt Ion: 96 Resp: 141599  
Ion Ratio Lower Upper  
96 100  
61 152.1 124.4 186.6  
98 61.0 48.3 72.5





#13

Acrolein

Concen: 52.12 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

ClientSampleId :

VN0726WBSD02

Tot Ion: 56 Resp: 27453

Ion Ratio Lower Upper

56 100

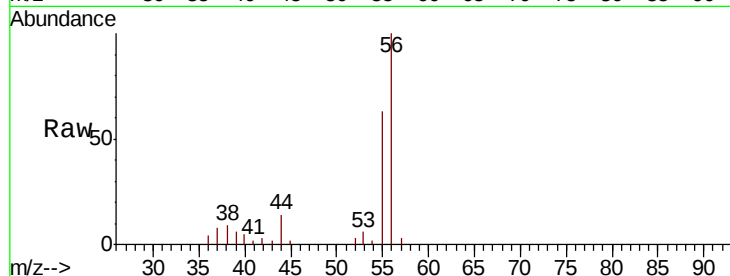
55 70.8 55.8 83.6

Manual Integrations

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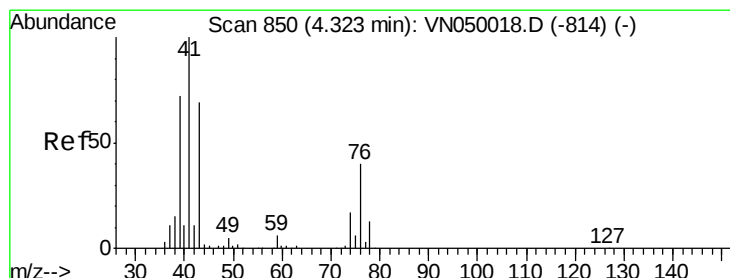
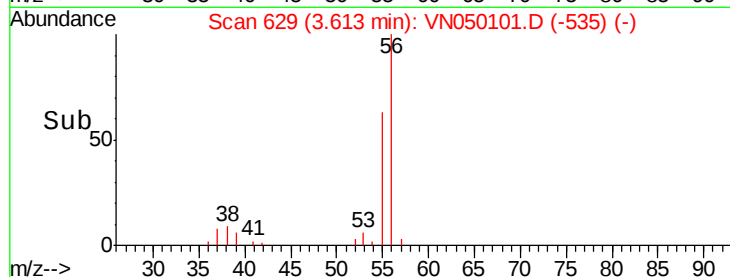
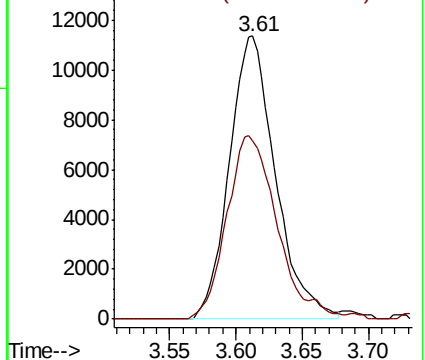
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.98 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

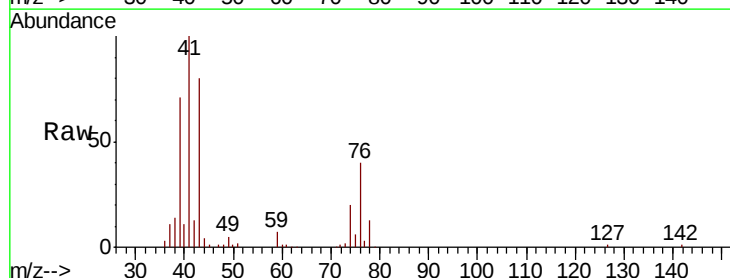
Tgt Ion: 41 Resp: 216593

Ion Ratio Lower Upper

41 100

39 69.1 54.2 81.4

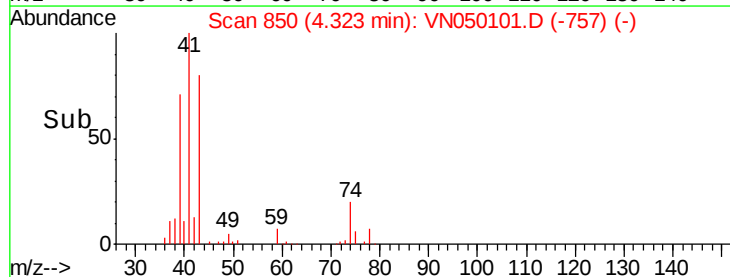
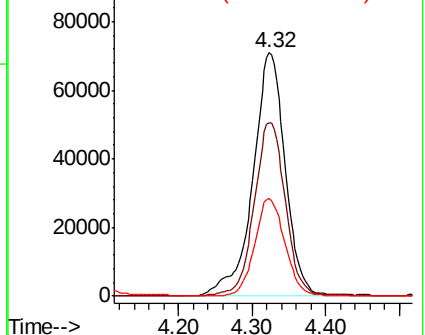
76 36.7 29.0 43.6

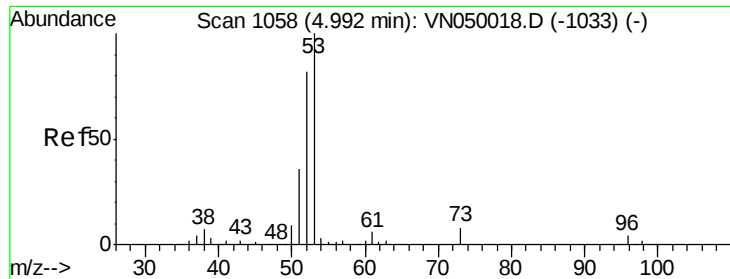


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 95.99 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

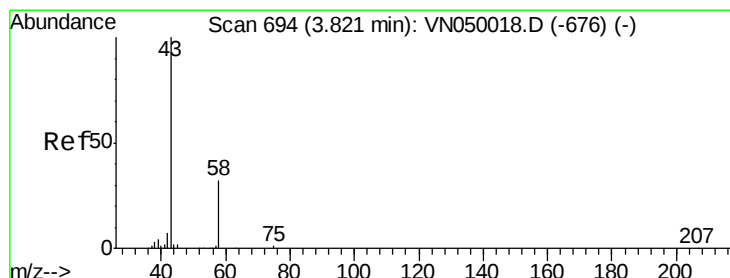
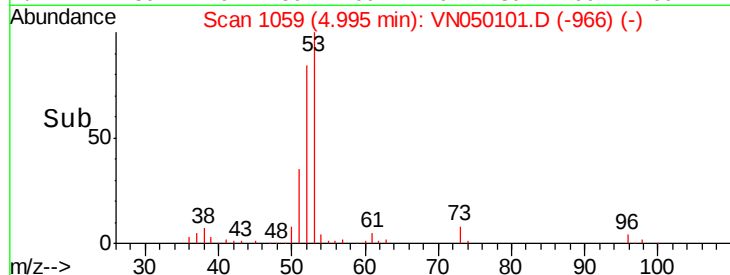
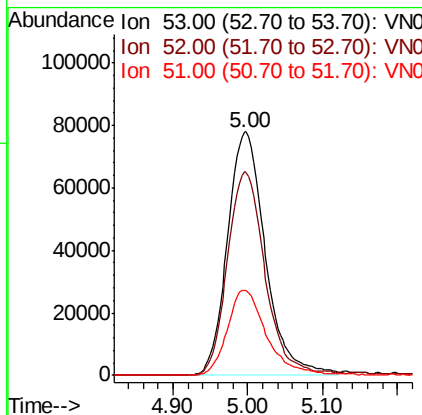
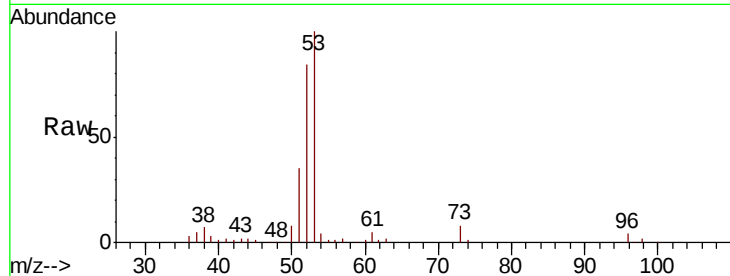
ClientSampleId :

VN0726WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 274521 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 83.3  | 66.2  | 99.2   |
| 51        | 36.4  | 29.3  | 43.9   |

Manual Integrations  
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#16

Acetone

Concen: 94.99 ug/l

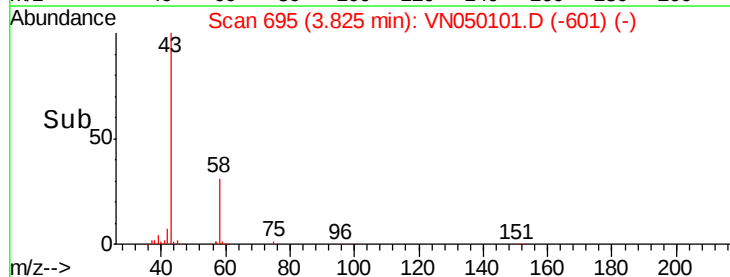
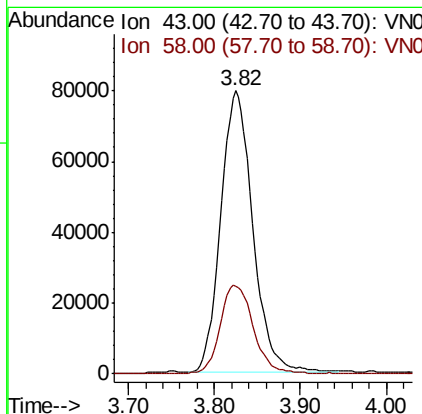
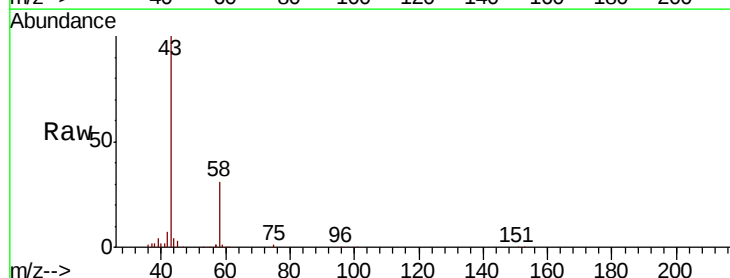
RT: 3.82 min Scan# 695

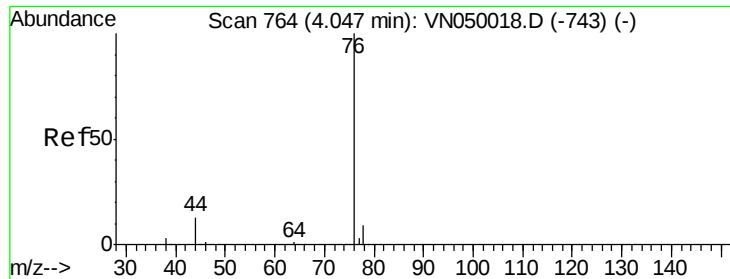
Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 204997 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 31.0  | 25.8  | 38.8   |





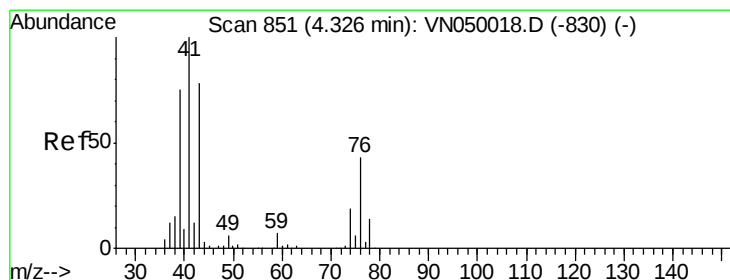
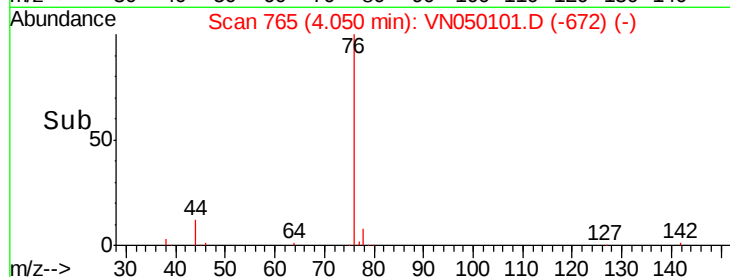
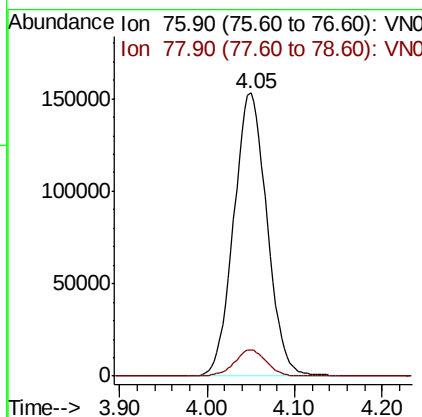
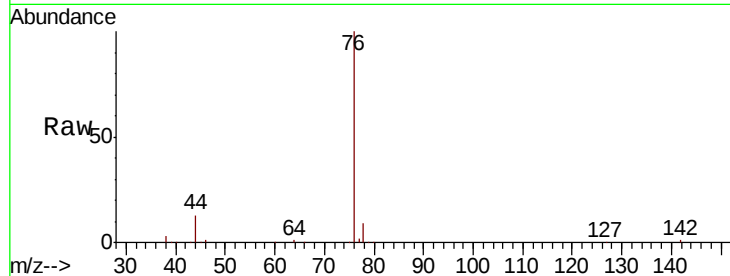
#17  
Carbon Disulfide  
Concen: 17.91 ug/l  
RT: 4.05 min Scan# 765  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0726WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.3   | 10.9  |

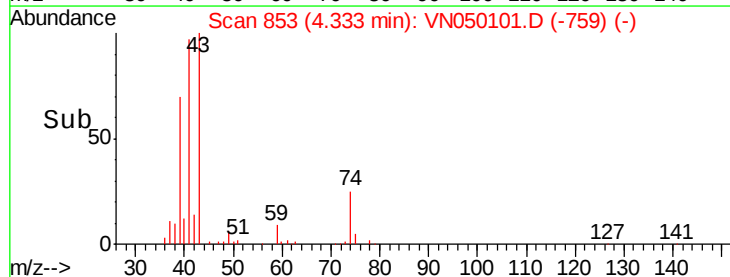
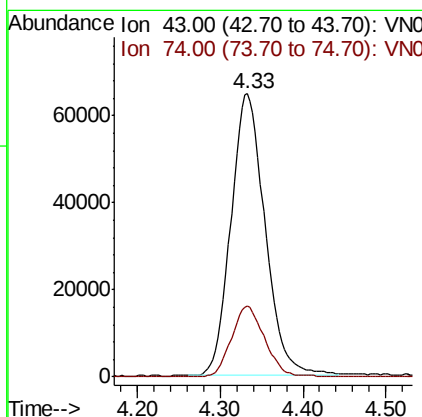
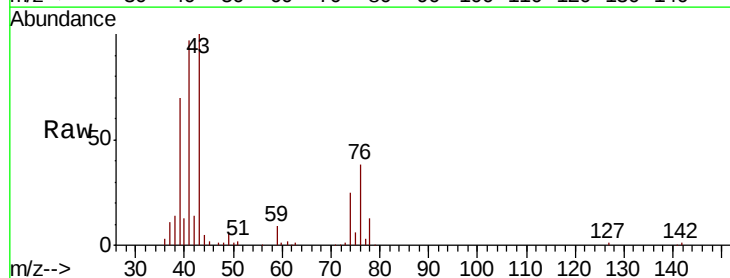
Manual Integrations  
APPROVED

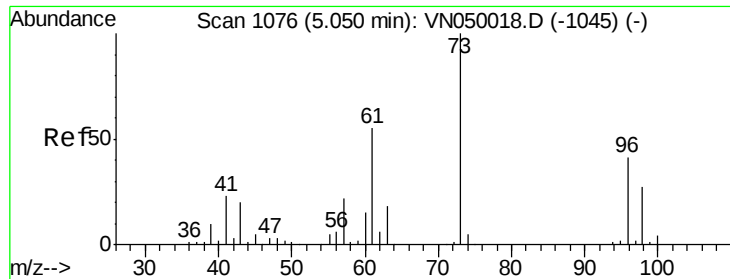
MMDadoda  
7/27/2018 12:16:30 PM



#18  
Methyl Acetate  
Concen: 21.89 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.5  | 19.2  | 28.8  |





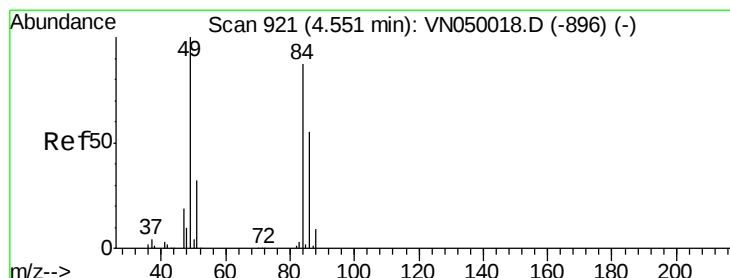
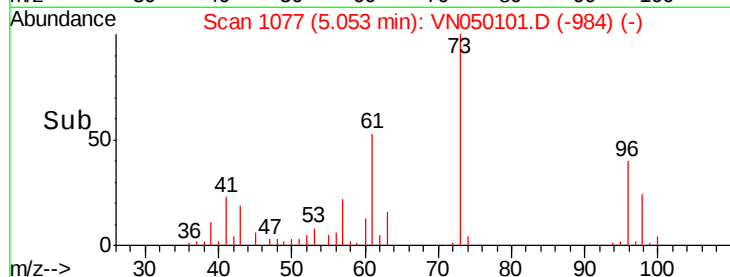
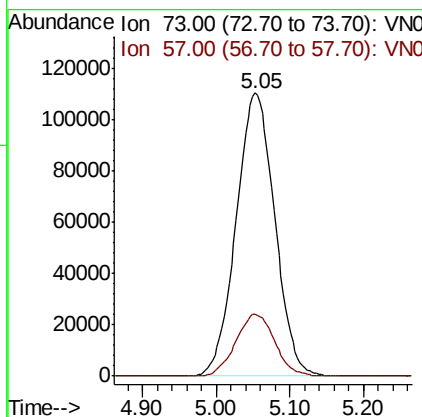
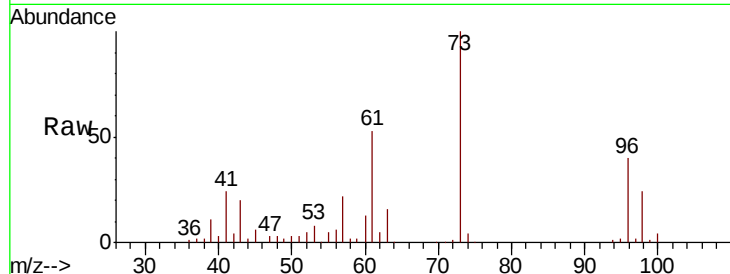
#19  
Methyl tert-butyl Ether  
Concen: 20.52 ug/l  
RT: 5.05 min Scan# 1077  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0726WBSD02

Tot Ion: 73 Resp: 402474  
Ion Ratio Lower Upper  
73 100  
57 21.8 18.0 27.0

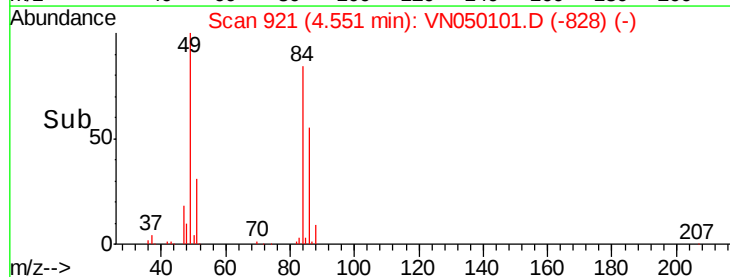
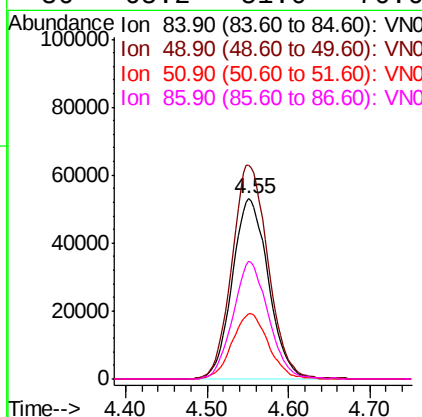
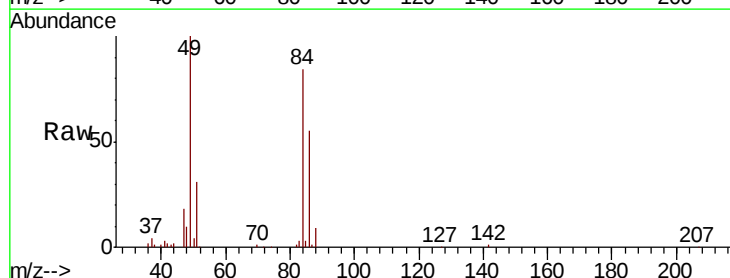
Manual Integrations  
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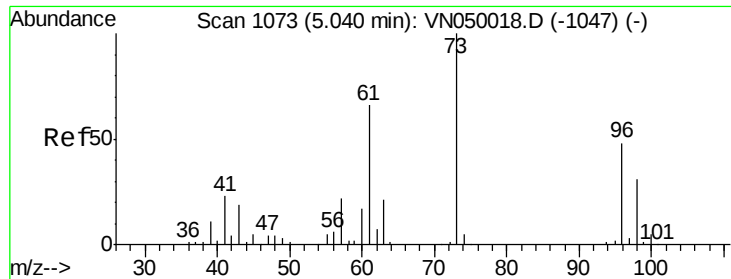
MMDadoda  
7/27/2018 12:16:30 PM



#20  
Methylene Chloride  
Concen: 19.91 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Tgt Ion: 84 Resp: 163247  
Ion Ratio Lower Upper  
84 100  
49 118.5 94.8 142.2  
51 36.2 28.3 42.5  
86 65.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.31 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

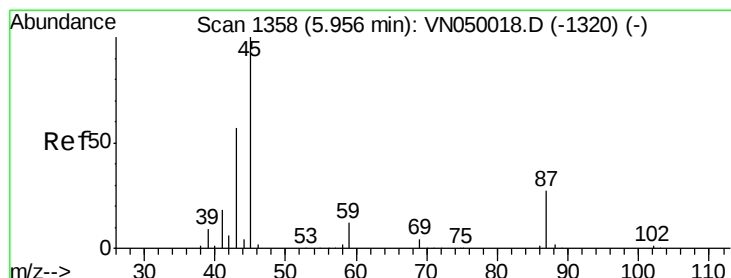
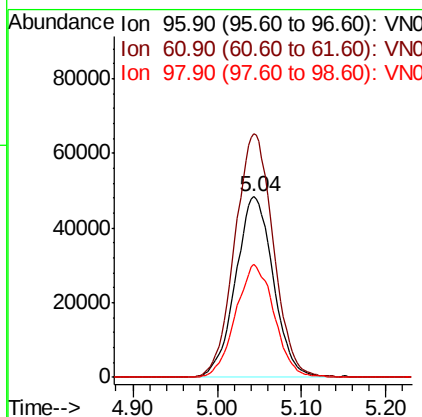
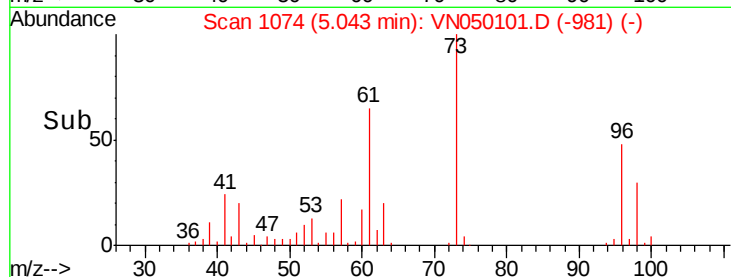
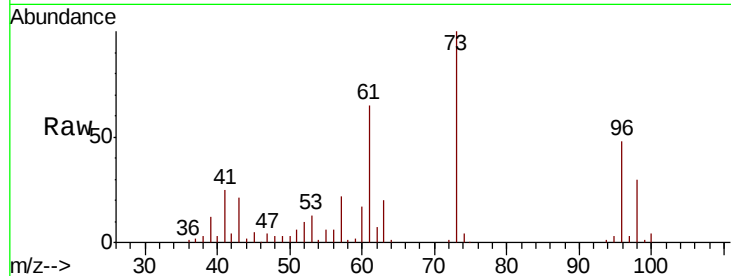
ClientSampleId :

VN0726WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 150567 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 134.9 | 110.7 | 166.1  |
| 98       | 62.7  | 51.6  | 77.4   |

Manual Integrations  
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MMDadoda  
7/27/2018 12:16:30 PM



#22

Diisopropyl ether

Concen: 20.86 ug/l

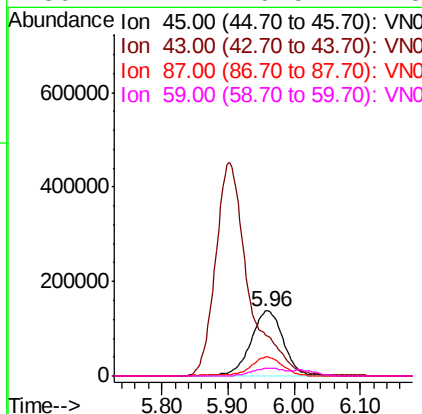
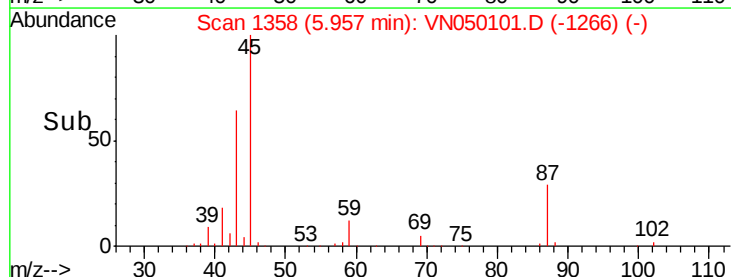
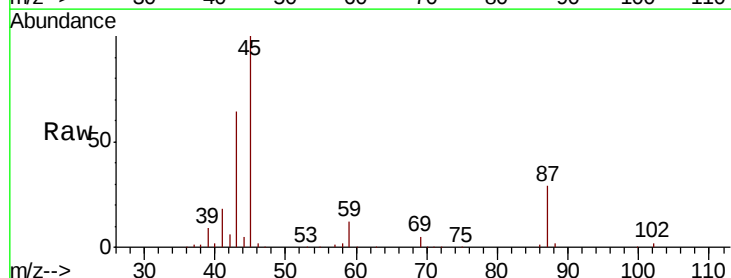
RT: 5.96 min Scan# 1358

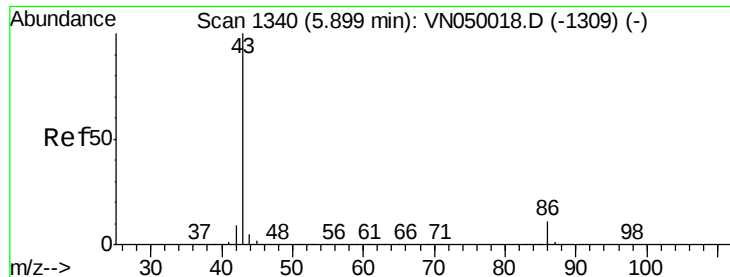
Delta R.T. -0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 471915 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 62.4  | 45.7  | 68.5   |
| 87       | 28.9  | 22.7  | 34.1   |
| 59       | 12.1  | 9.5   | 14.3   |





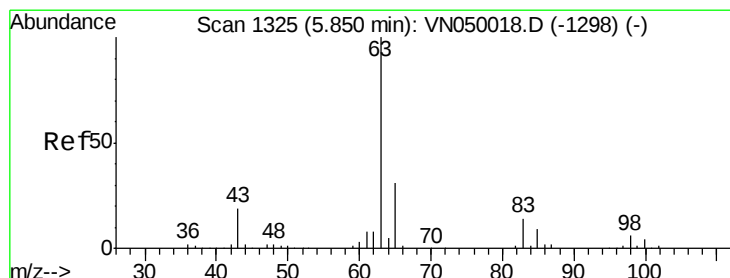
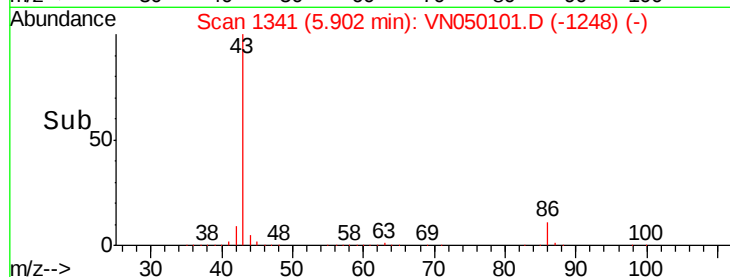
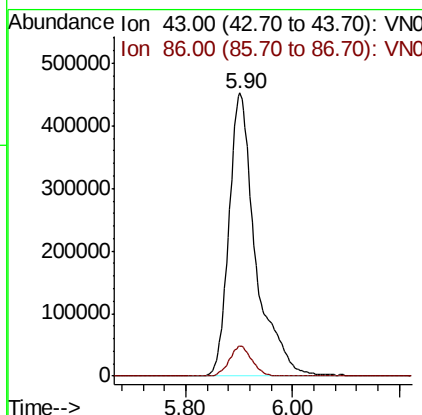
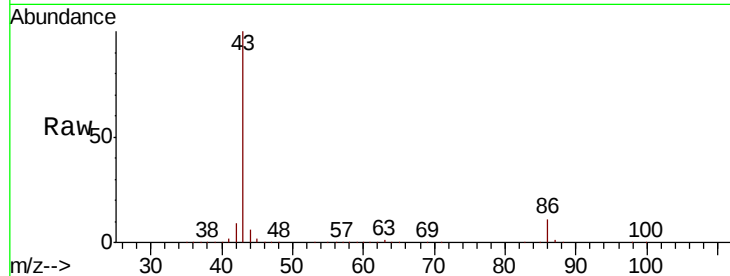
#23  
 Vinyl Acetate  
 Concen: 98.02 ug/l  
 RT: 5.90 min Scan# 1341  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0726WBSD02

Tot Ion: 43 Resp: 1567347  
 Ion Ratio Lower Upper  
 43 100  
 86 10.7 8.6 13.0

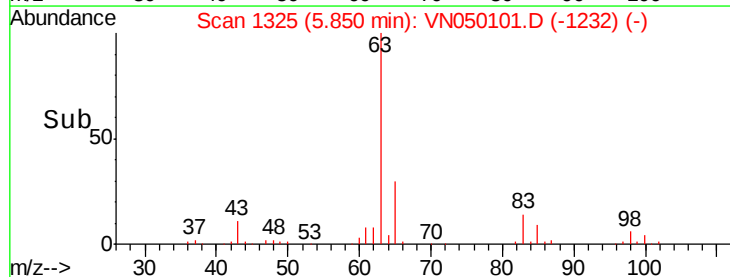
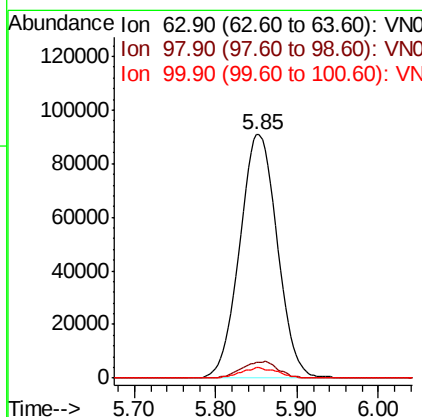
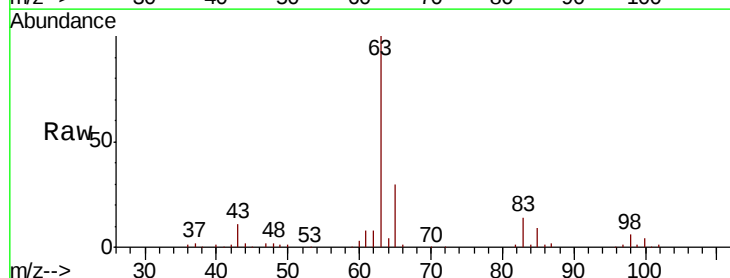
Manual Integrations  
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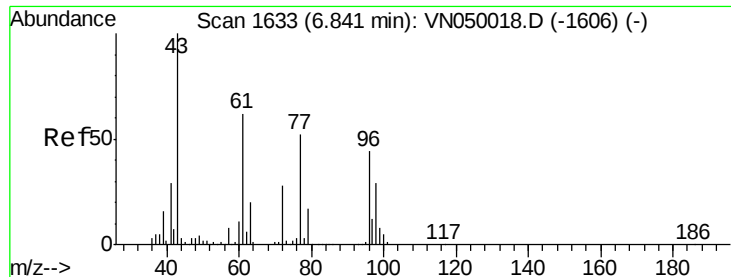
MMDadoda  
 7/27/2018 12:16:30 PM



#24  
 1,1-Dichloroethane  
 Concen: 19.58 ug/l  
 RT: 5.85 min Scan# 1325  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Tgt Ion: 63 Resp: 289774  
 Ion Ratio Lower Upper  
 63 100  
 98 6.2 3.3 9.8  
 100 4.3 2.1 6.3





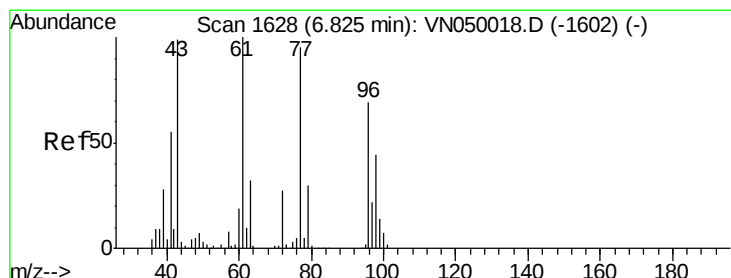
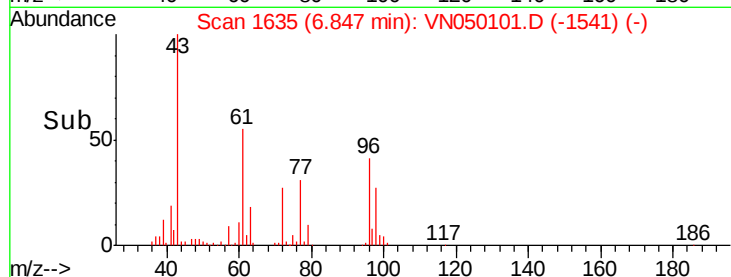
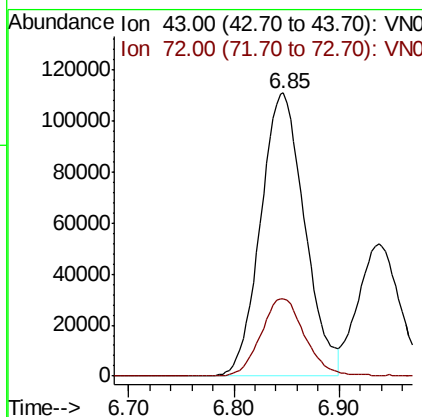
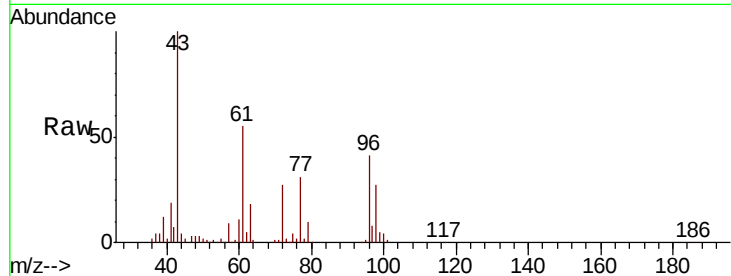
#25  
 2-Butanone  
 Concen: 94.45 ug/l  
 RT: 6.85 min Scan# 1635  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0726WBSD02

Tot Ion: 43 Resp: 320955  
 Ion Ratio Lower Upper  
 43 100  
 72 27.3 21.5 32.3

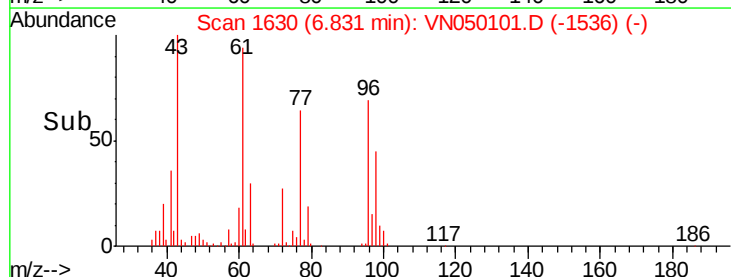
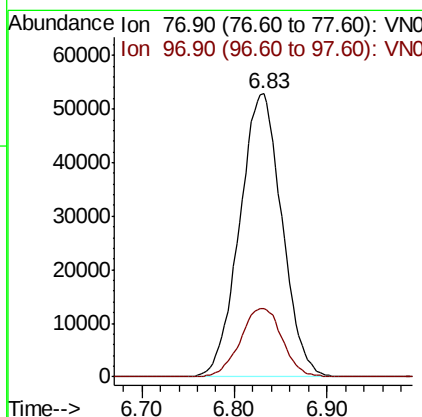
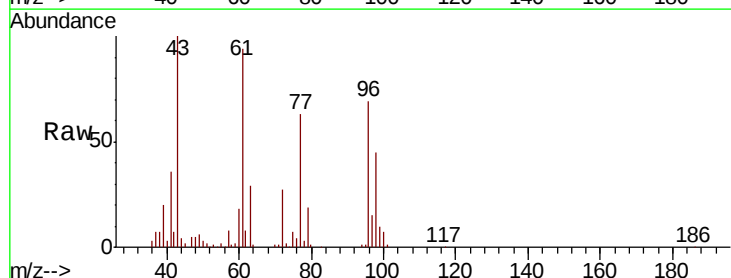
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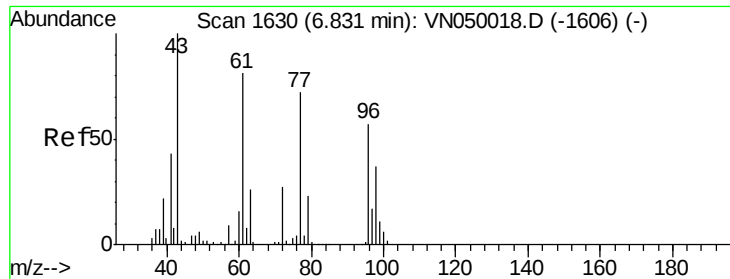
MMDadoda  
 7/27/2018 12:16:30 PM



#26  
 2,2-Dichloropropane  
 Concen: 14.91 ug/l  
 RT: 6.83 min Scan# 1630  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Tgt Ion: 77 Resp: 167884  
 Ion Ratio Lower Upper  
 77 100  
 97 24.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.24 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

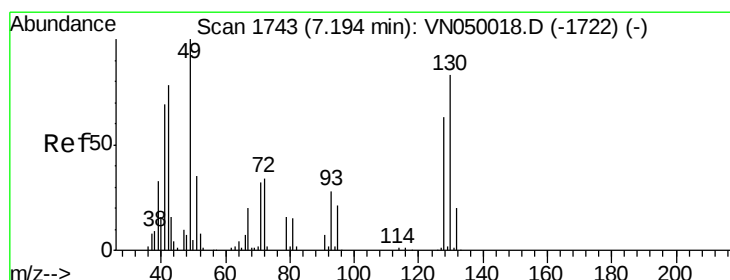
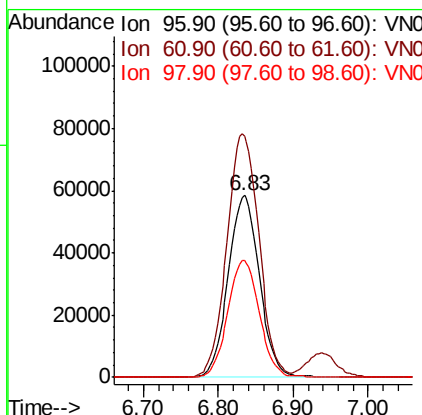
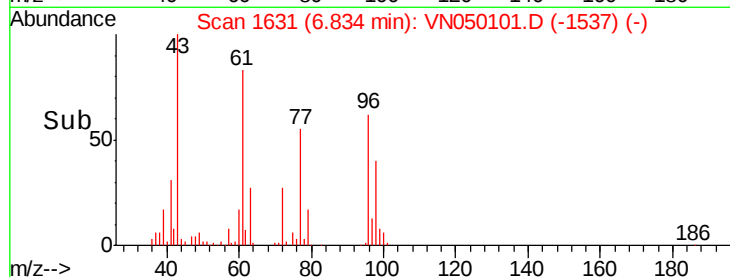
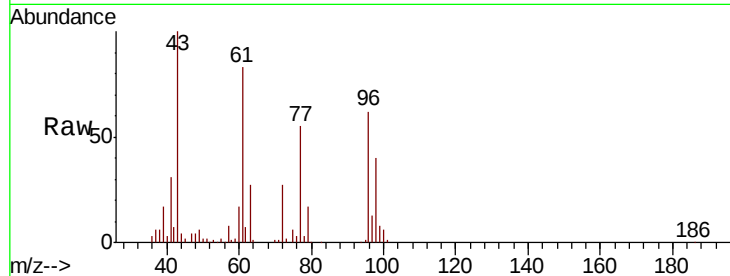
ClientSampleId :

VN0726WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 169912 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 137.2 | 0.0   | 285.0  |
| 98        | 65.0  | 0.0   | 129.2  |

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7/27/2018 12:16:30 PM



#28

Bromochloromethane

Concen: 20.07 ug/l

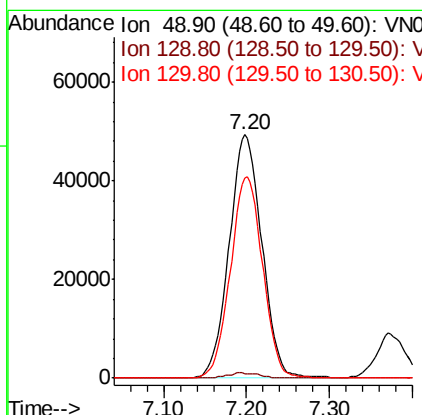
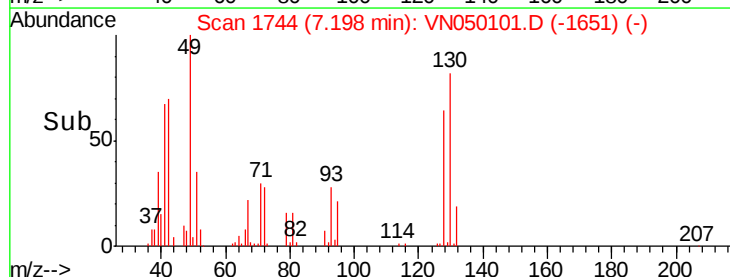
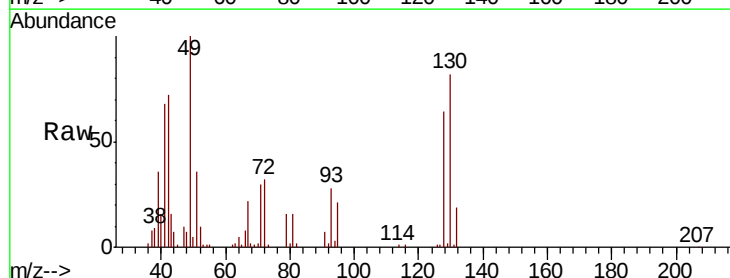
RT: 7.20 min Scan# 1744

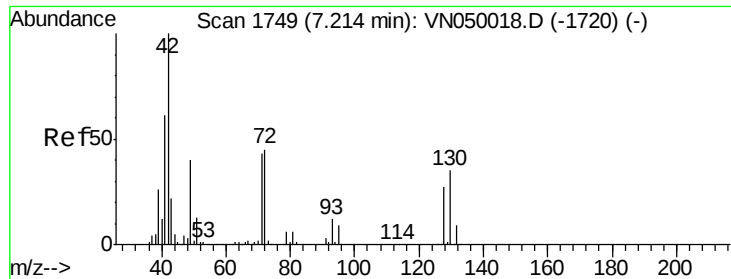
Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 135472 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 1.9   | 0.0   | 4.0    |
| 130       | 81.5  | 66.3  | 99.5   |





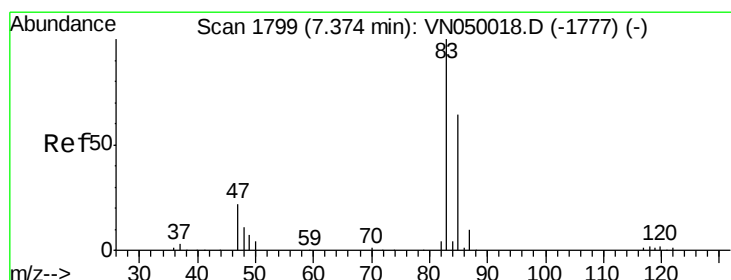
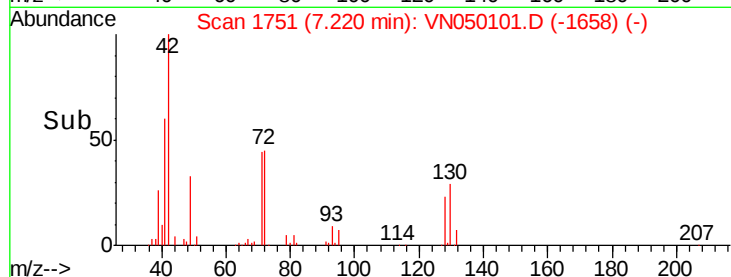
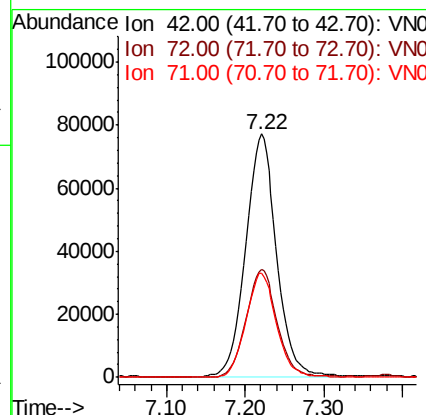
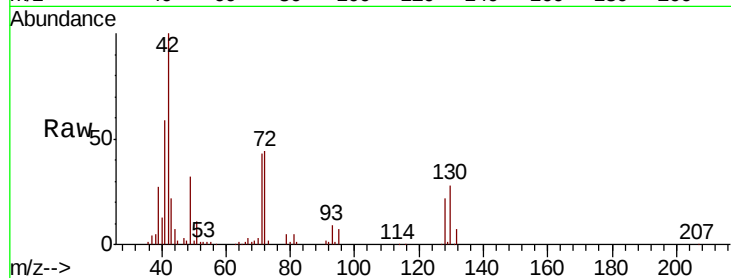
#29  
Tetrahydrofuran  
Concen: 97.48 ug/l  
RT: 7.22 min Scan# 1751  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0726WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.5  | 35.9  | 53.9  |
| 71      | 42.5  | 33.7  | 50.5  |

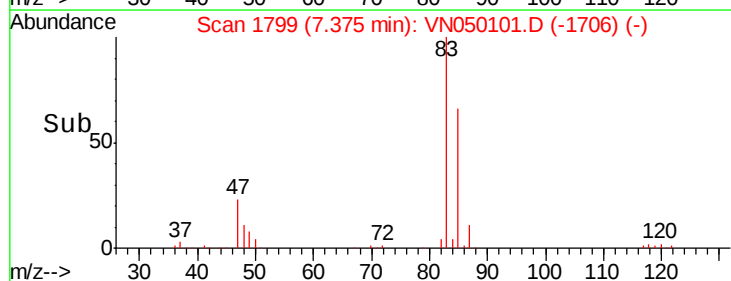
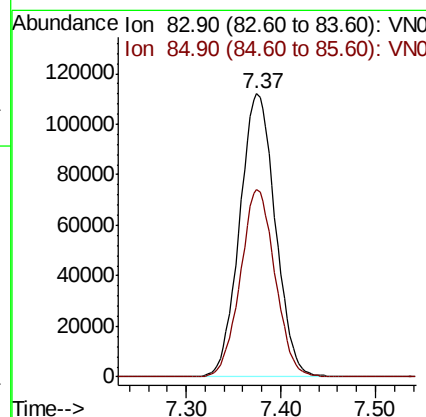
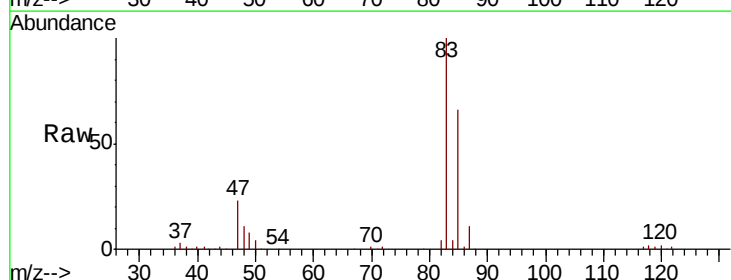
Manual Integrations  
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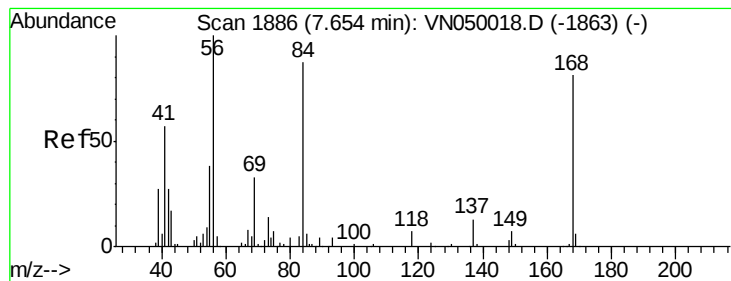
MMDadoda  
7/27/2018 12:16:30 PM



#30  
Chloroform  
Concen: 19.43 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.2  | 52.5  | 78.7  |





#31

Cyclohexane

Concen: 19.22 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

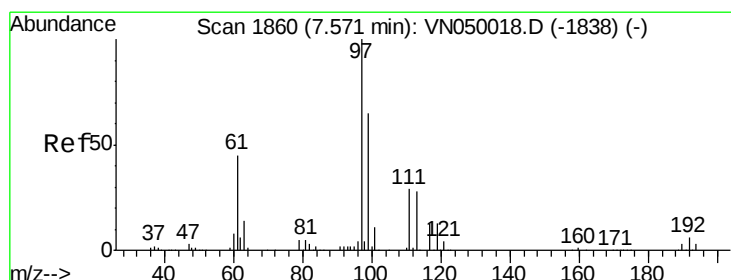
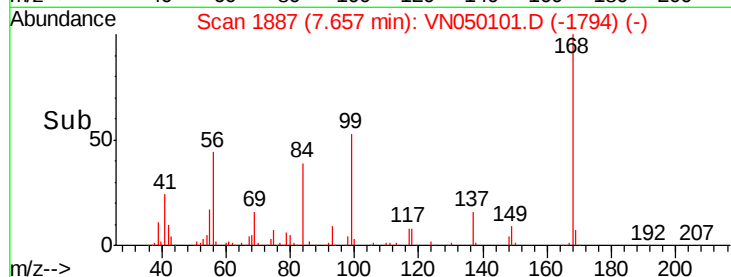
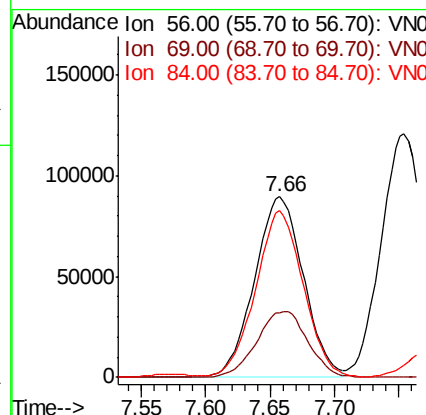
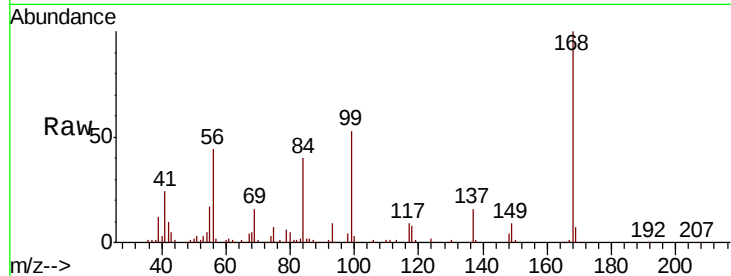
ClientSampleID :

VN0726WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 236361 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 36.0  | 26.2  | 39.4   |
| 84        | 91.7  | 67.4  | 101.0  |

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#32

1,1,1-Trichloroethane

Concen: 19.44 ug/l

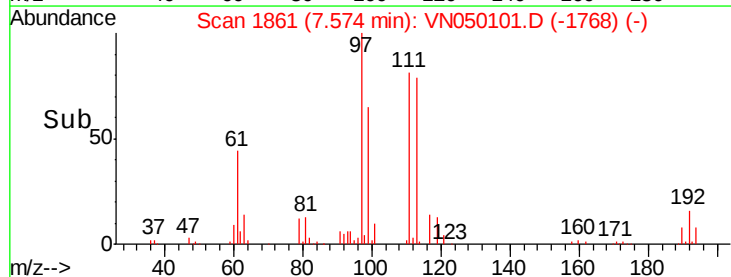
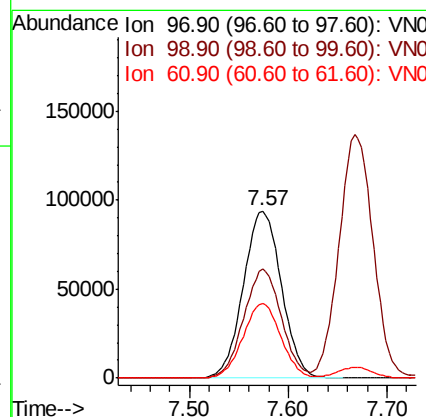
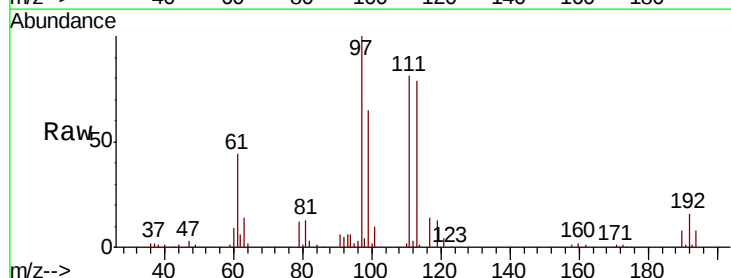
RT: 7.57 min Scan# 1861

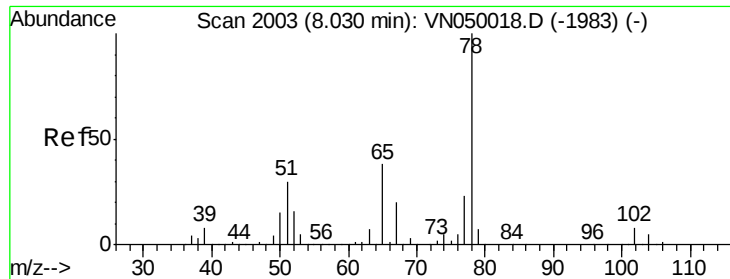
Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 251060 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.5  | 51.4  | 77.0   |
| 61        | 44.5  | 35.4  | 53.0   |





#33

1,2-Dichloroethane-d4

Concen: 49.68 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

ClientSampleId :

VN0726WBSD02

Tot Ion: 65 Resp: 442611

Ion Ratio Lower Upper

65 100

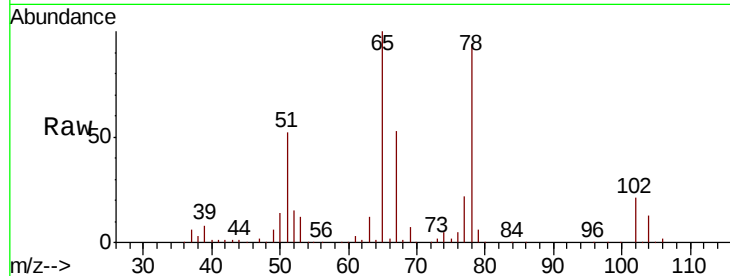
67 52.8 0.0 108.4

Manual Integrations

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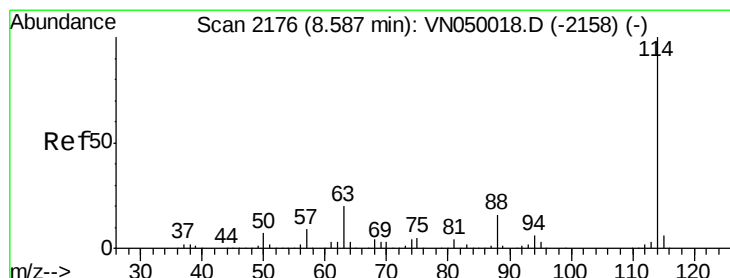
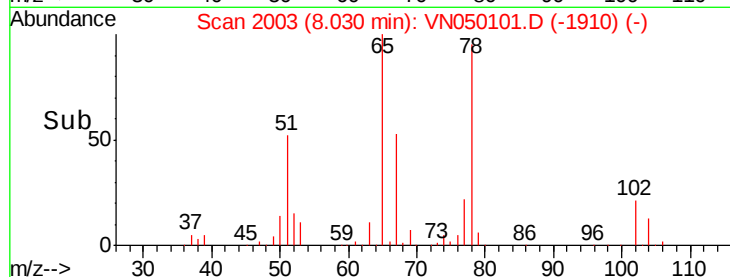
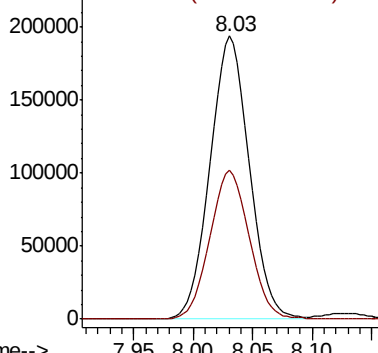
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

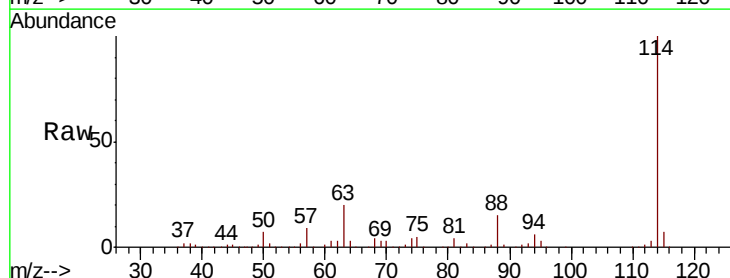
Tgt Ion: 114 Resp: 979150

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

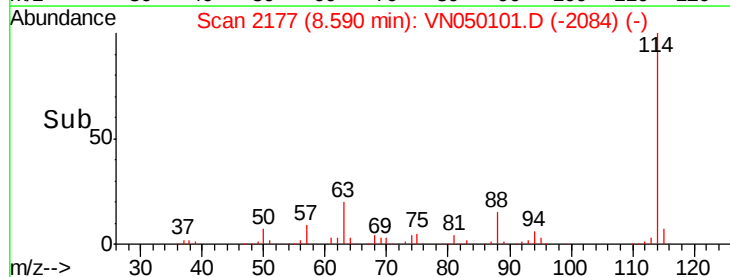
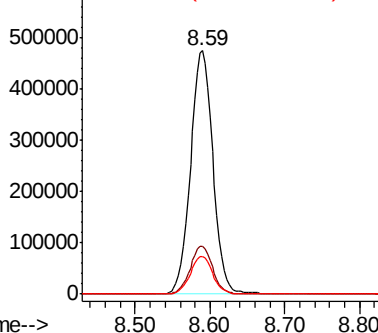
88 15.4 0.0 31.2

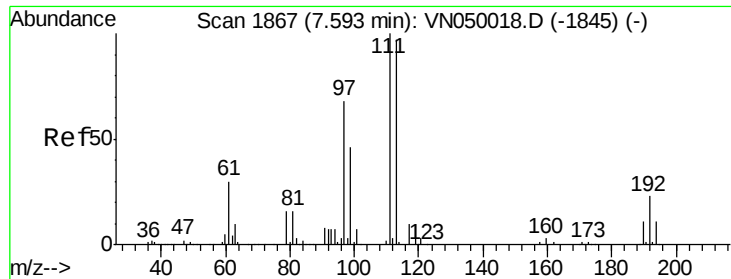


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





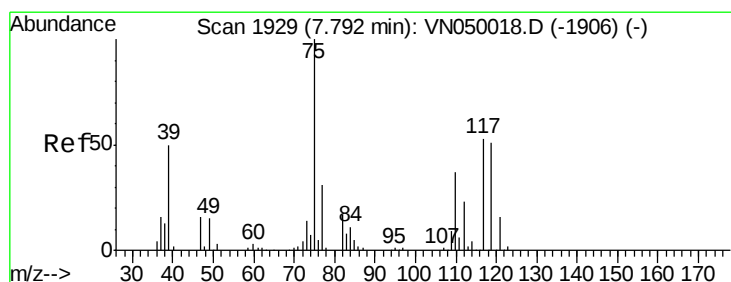
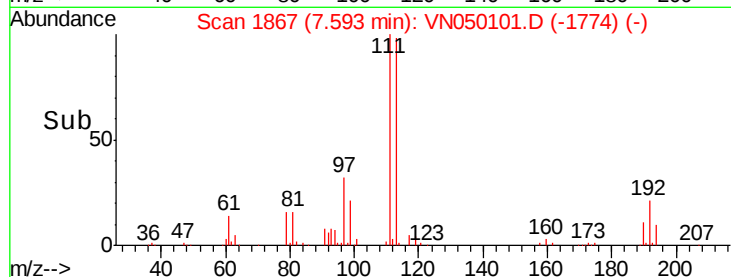
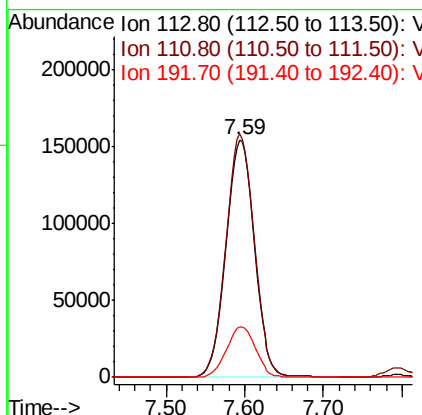
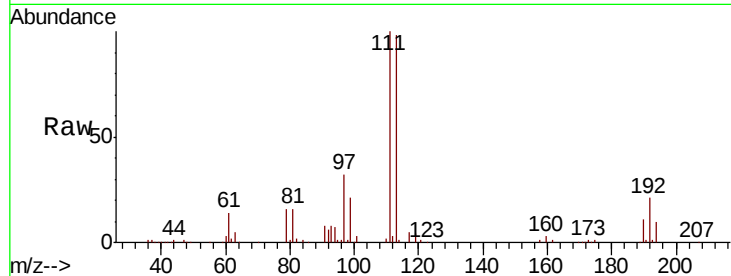
#35  
Dibromofluoromethane  
Concen: 48.62 ug/l  
RT: 7.59 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0726WBSD02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 101.8 | 80.7 | 121.1 |       |
| 192     | 21.7  | 17.8 | 26.6  |       |

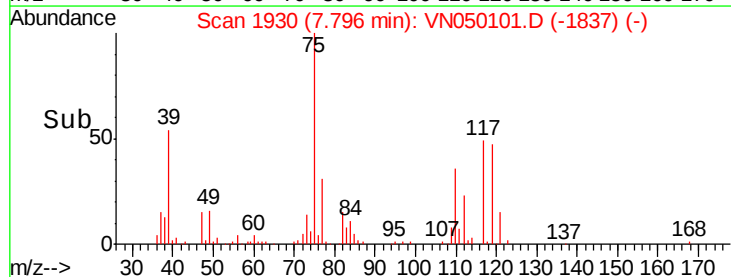
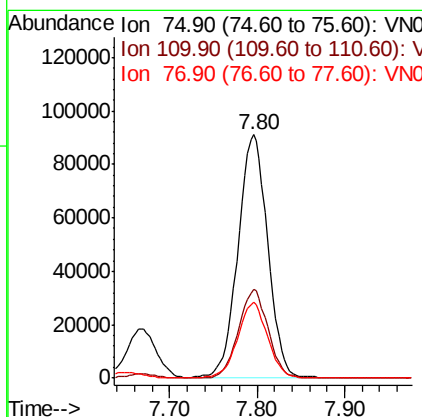
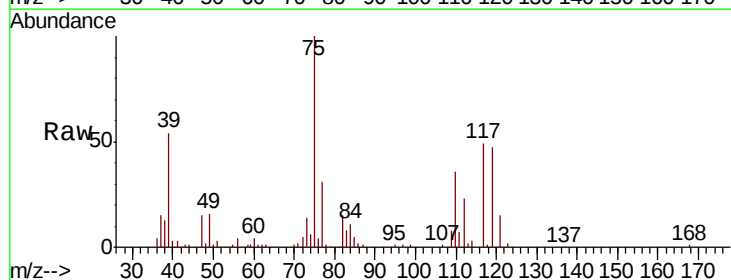
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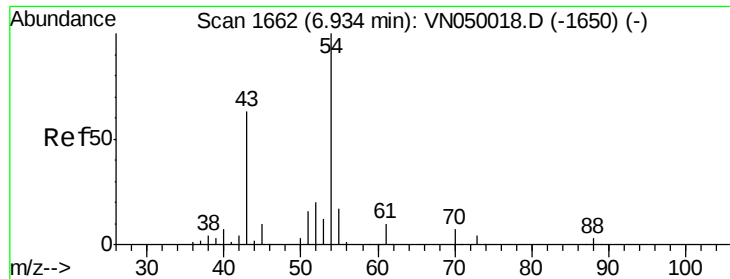
MMDadoda  
7/27/2018 12:16:30 PM



#36  
1,1-Dichloropropene  
Concen: 19.55 ug/l  
RT: 7.80 min Scan# 1930  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 36.0  | 18.4 | 55.2  |       |
| 77      | 31.2  | 25.3 | 37.9  |       |





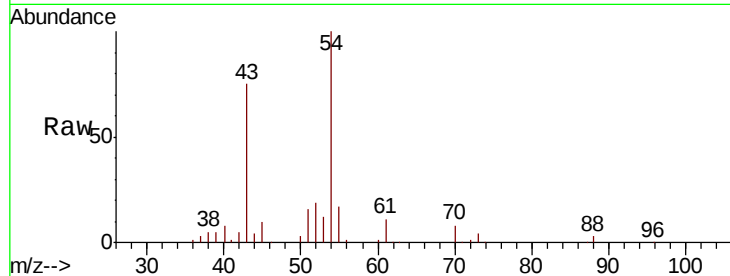
#37  
Ethyl Acetate  
Concen: 19.36 ug/l  
RT: 6.94 min Scan# 1663  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0726WBSD02

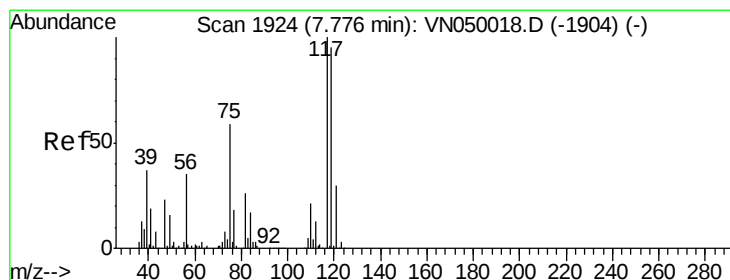
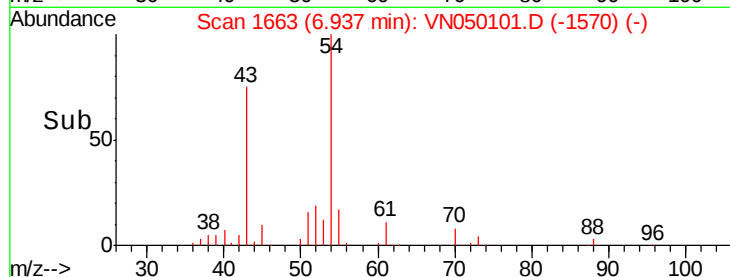
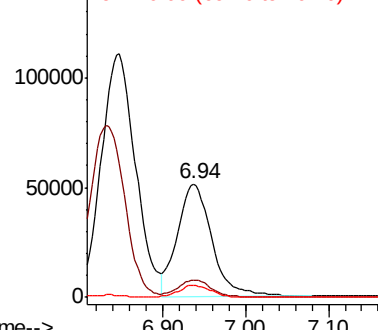
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.3  | 11.8  | 17.8  |
| 70      | 10.2  | 8.4   | 12.6  |

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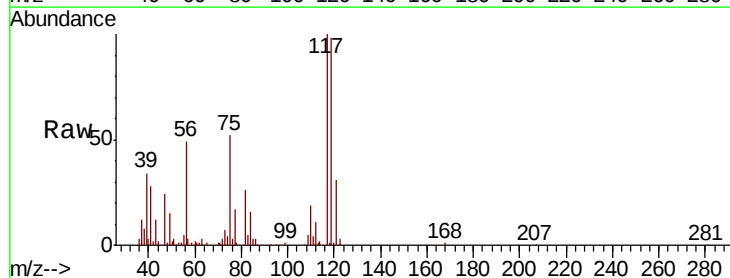


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

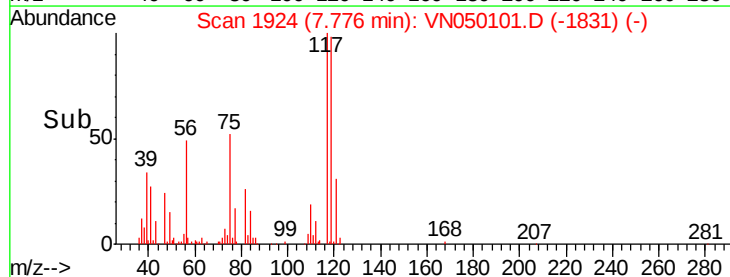
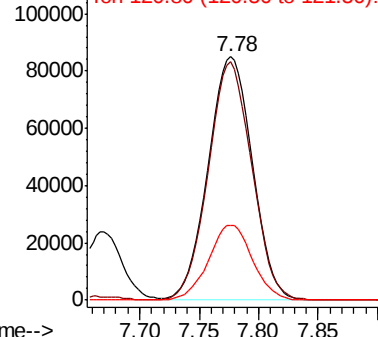


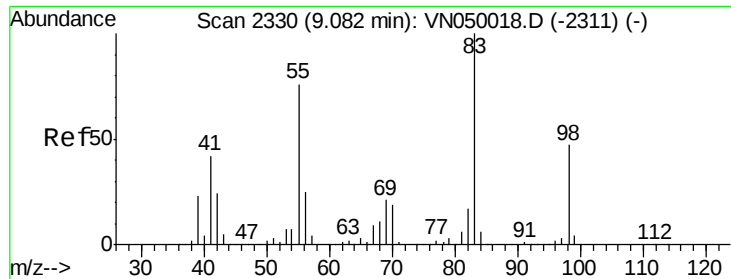
#38  
Carbon Tetrachloride  
Concen: 18.62 ug/l  
RT: 7.78 min Scan# 1924  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.8  | 77.4  | 116.0 |
| 121     | 31.0  | 23.9  | 35.9  |



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V





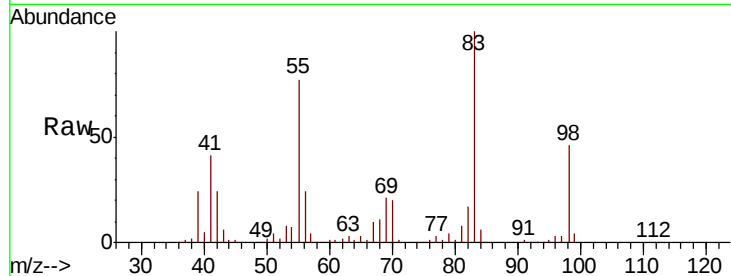
#39  
Methylcyclohexane  
Concen: 18.73 ug/l  
RT: 9.09 min Scan# 2331  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0726WBSD02

| Tot Ion   | 83   | Resp  | 212531 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 55        | 76.6 | 61.8  | 92.8   |
| 98        | 46.3 | 36.5  | 54.7   |

Manual Integrations  
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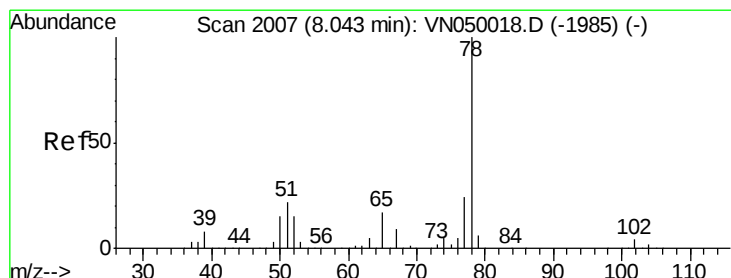
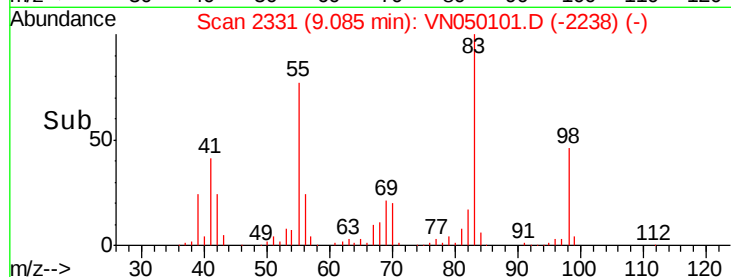
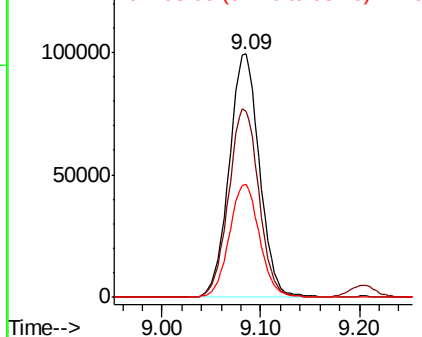


Abundance

Ion 83.00 (82.70 to 83.70): VN0

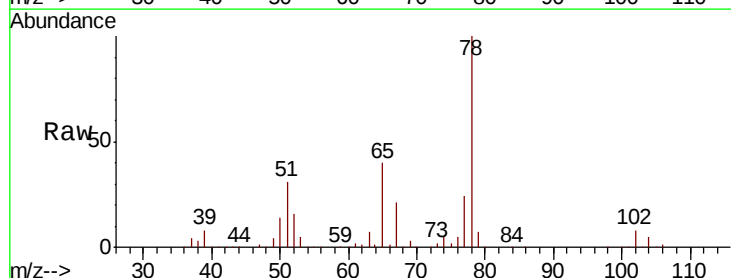
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40  
Benzene  
Concen: 19.48 ug/l  
RT: 8.05 min Scan# 2008  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

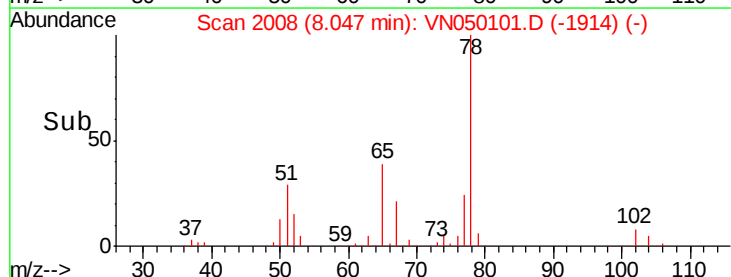
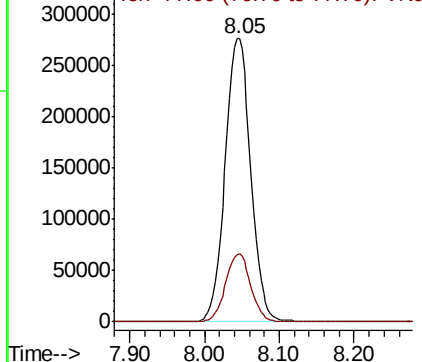
| Tgt Ion   | 78   | Resp  | 653896 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 24.0 | 18.7  | 28.1   |

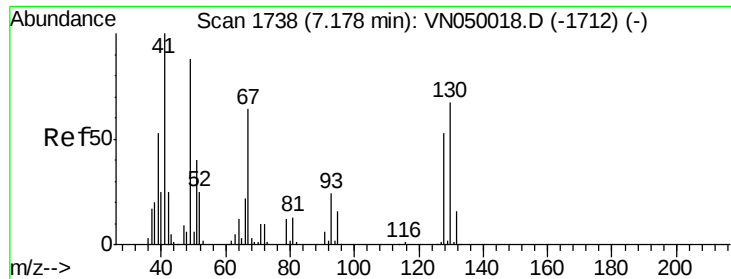


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





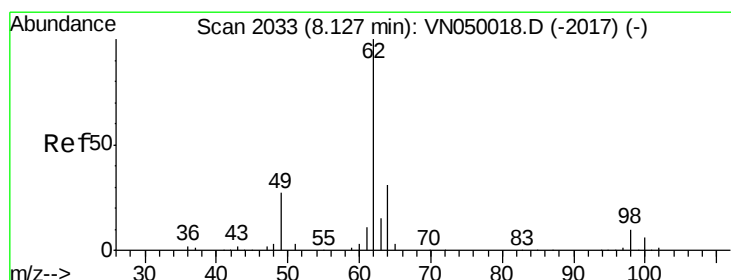
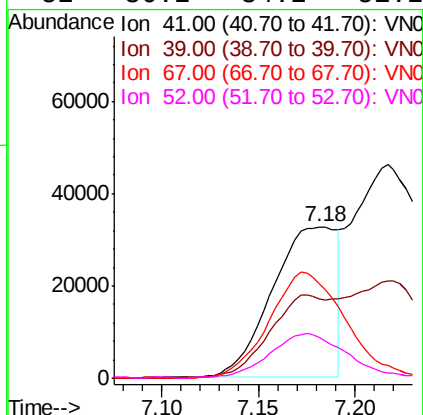
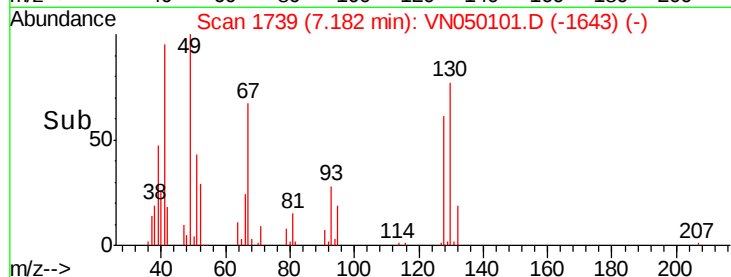
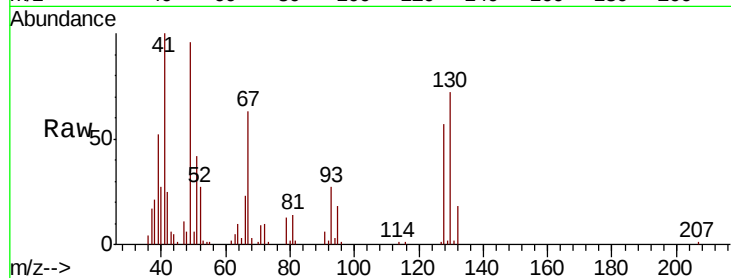
#41  
Methacrylonitrile  
Concen: 20.72 ug/l  
RT: 7.18 min Scan# 1739  
Delta R.T. 0.01 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0726WBSD02

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 41      | 100   |       |        |
| 39      | 47.0  | 55.8  | 83.6#  |
| 67      | 83.3  | 84.3  | 126.5# |
| 52      | 36.2  | 34.2  | 51.2   |

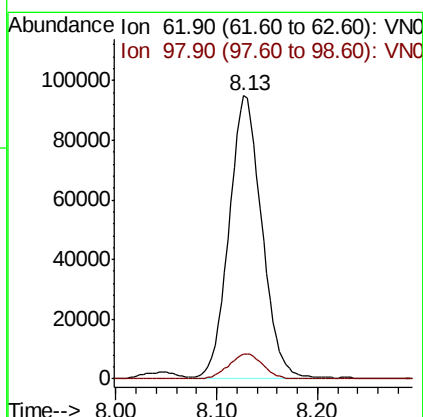
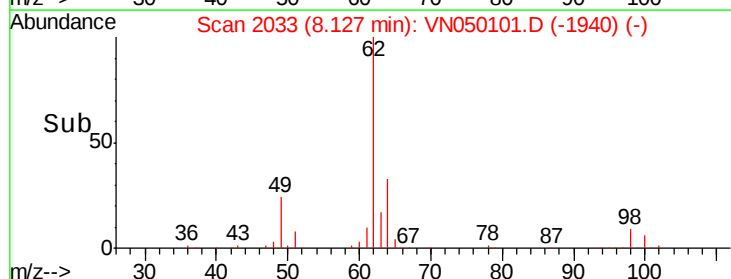
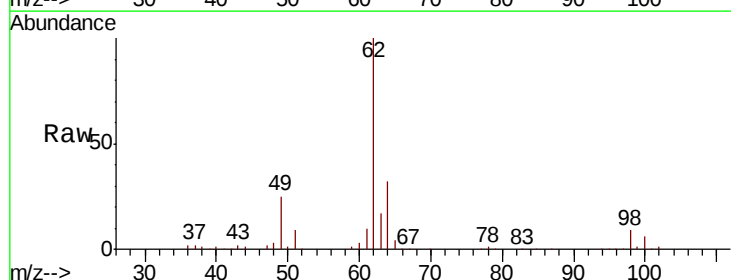
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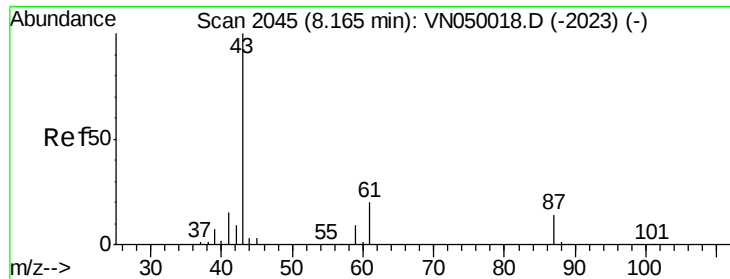
MMDadoda  
7/27/2018 12:16:30 PM



#42  
1,2-Dichloroethane  
Concen: 19.05 ug/l  
RT: 8.13 min Scan# 2033  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.3   | 0.0   | 18.8  |





#43

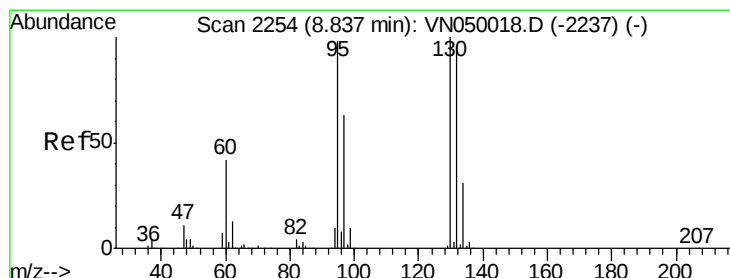
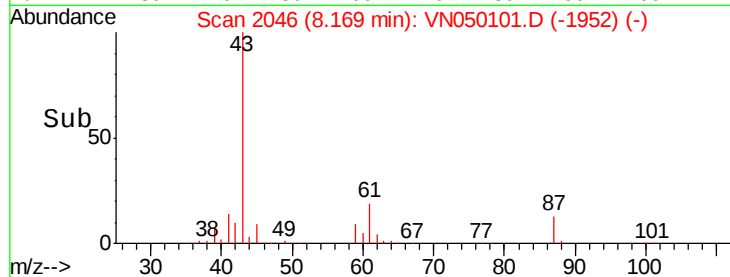
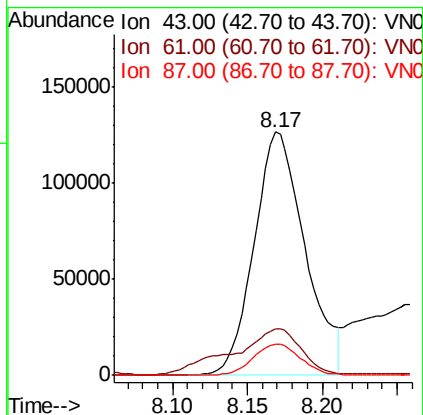
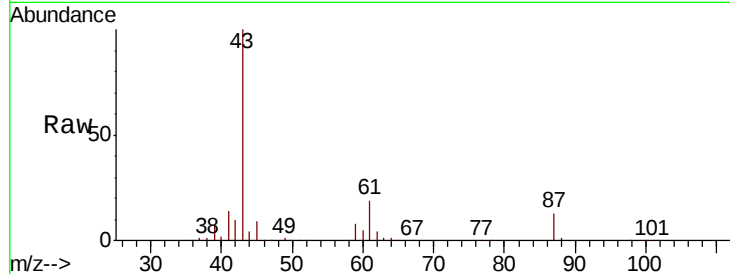
Isopropyl Acetate  
 Concen: 19.80 ug/l  
 RT: 8.17 min Scan# 2046  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0726WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 25.5  | 15.8  | 23.6# |
| 87      | 12.1  | 10.3  | 15.5  |

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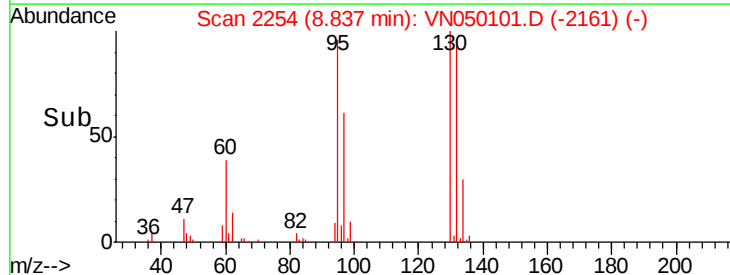
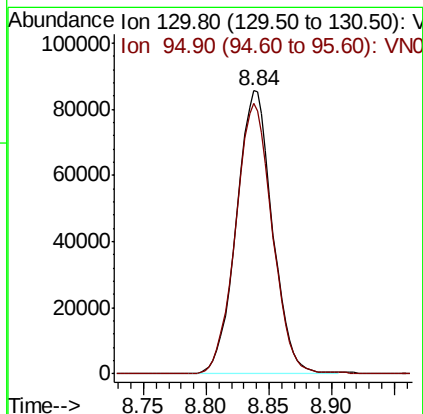
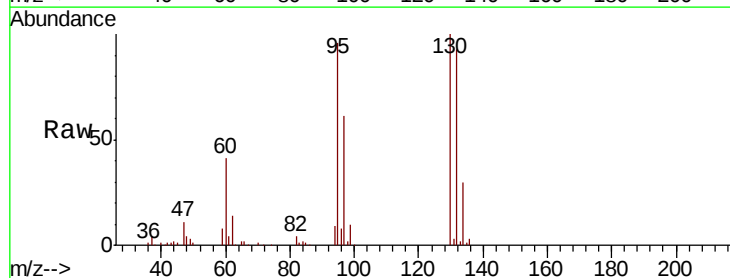
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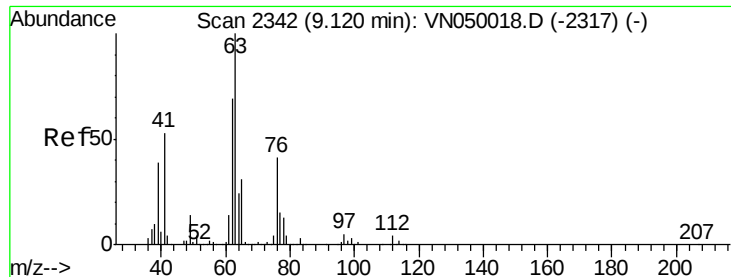


#44

Trichloroethene  
 Concen: 18.92 ug/l  
 RT: 8.84 min Scan# 2254  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 95.5  | 0.0   | 194.6 |





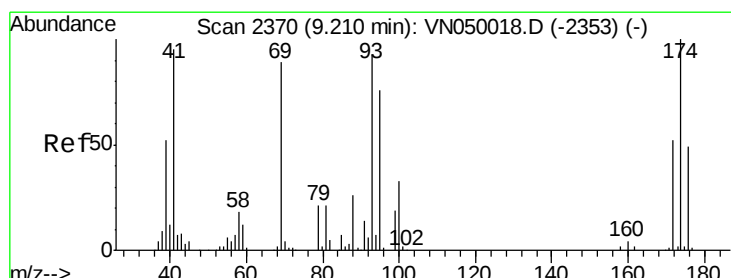
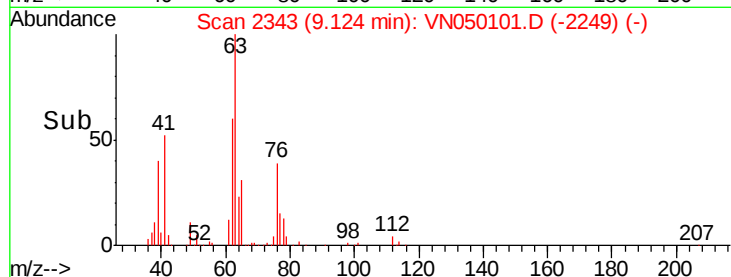
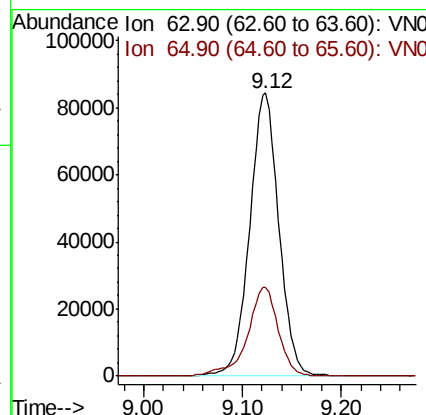
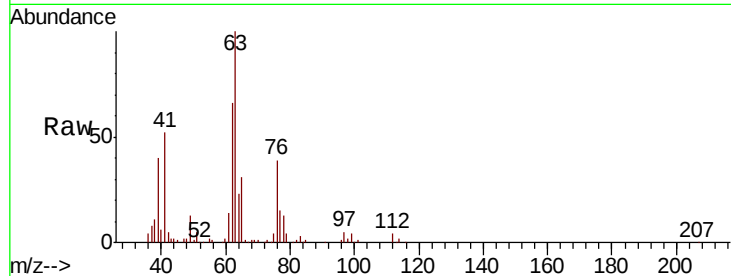
#45  
 1,2-Dichloropropane  
 Concen: 19.31 ug/l  
 RT: 9.12 min Scan# 2343  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0726WBSD02

Tot Ion: 63 Resp: 171700  
 Ion Ratio Lower Upper  
 63 100  
 65 31.4 25.5 38.3

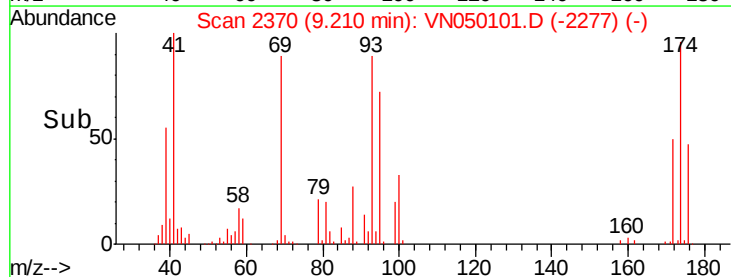
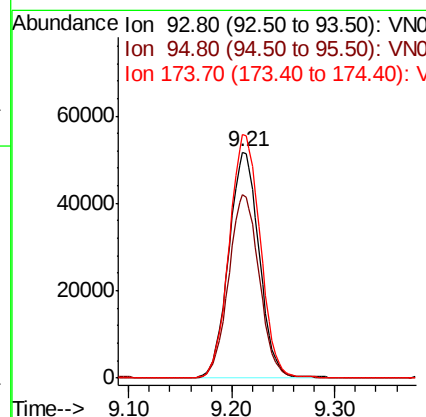
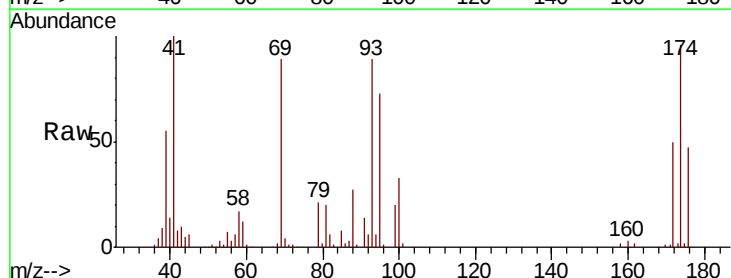
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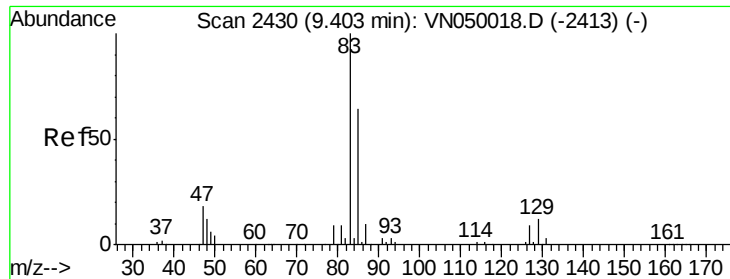
MMDadoda  
 7/27/2018 12:16:30 PM



#46  
 Dibromomethane  
 Concen: 19.32 ug/l  
 RT: 9.21 min Scan# 2370  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Tgt Ion: 93 Resp: 106665  
 Ion Ratio Lower Upper  
 93 100  
 95 81.6 66.6 100.0  
 174 108.9 87.1 130.7





#47

Bromodichloromethane

Concen: 18.85 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

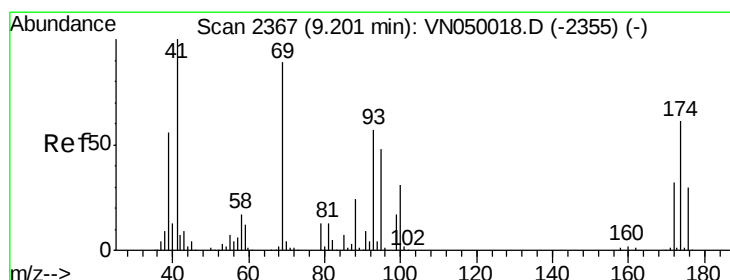
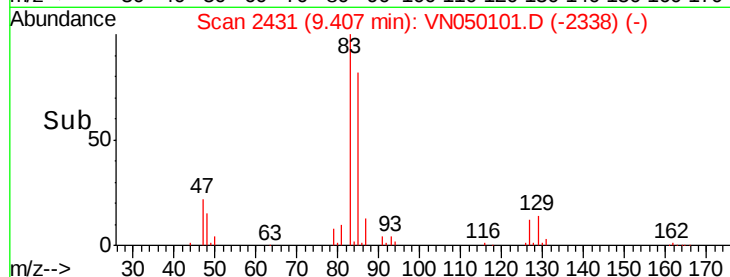
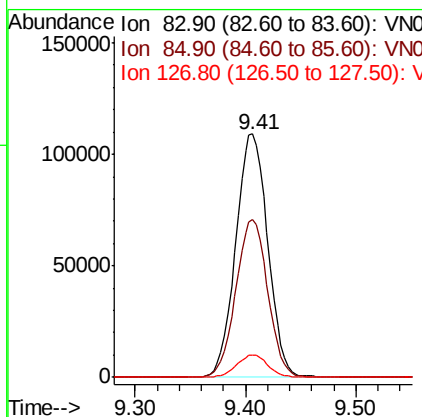
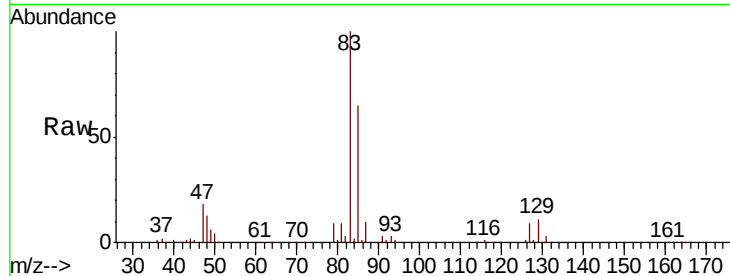
ClientSampleId :

VN0726WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 219668 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 65.0  | 51.1  | 76.7   |
| 127      | 9.3   | 7.0   | 10.4   |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 19.46 ug/l

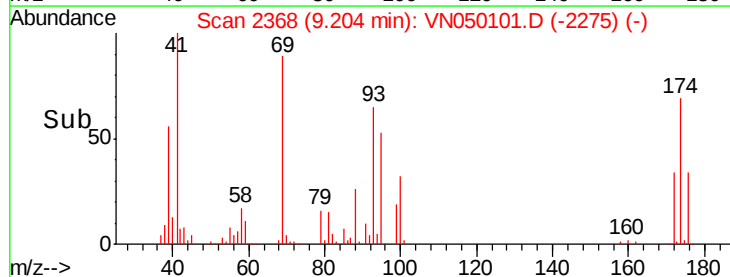
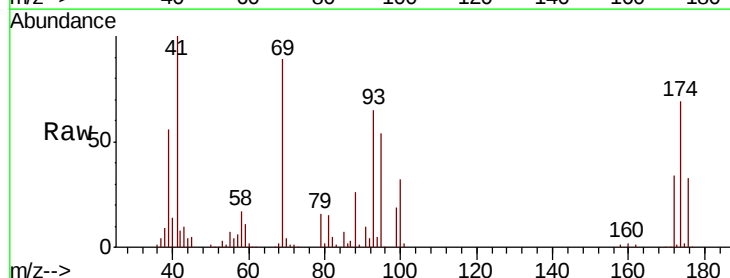
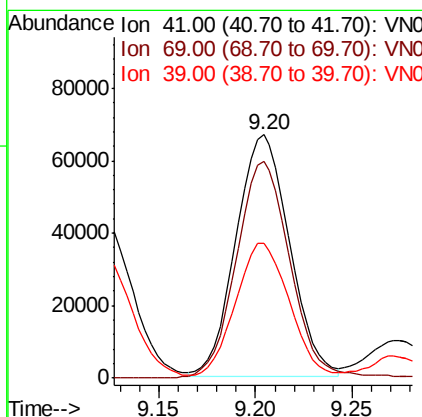
RT: 9.20 min Scan# 2368

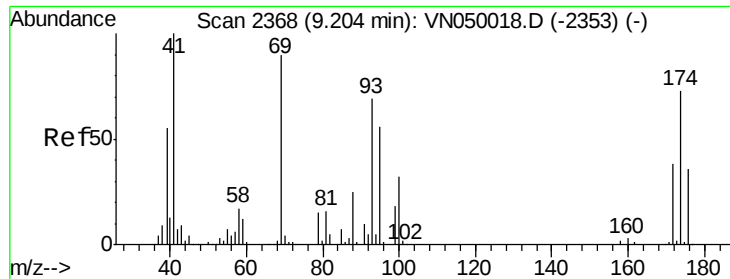
Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 128870 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 90.3  | 70.6  | 105.8  |
| 39       | 55.8  | 43.9  | 65.9   |





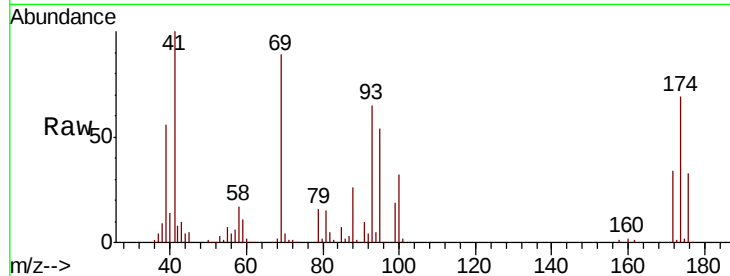
#49  
 1,4-Dioxane  
 Concen: 387.22 ug/l  
 RT: 9.20 min Scan# 2368  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0726WBSD02

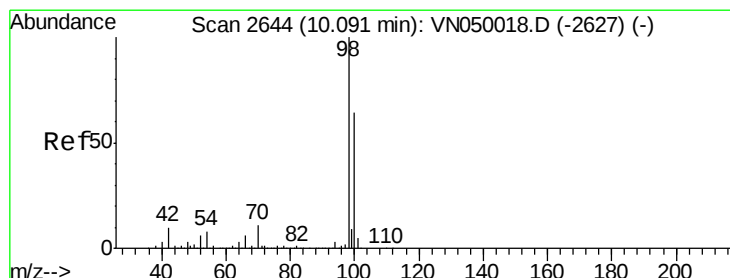
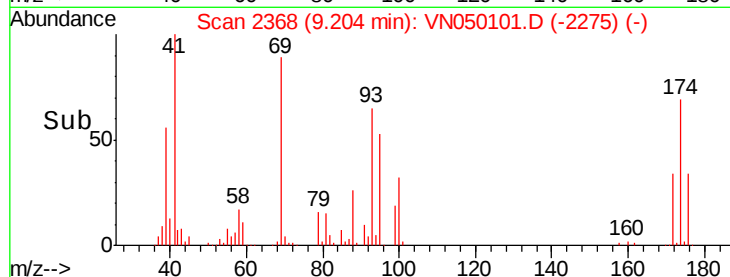
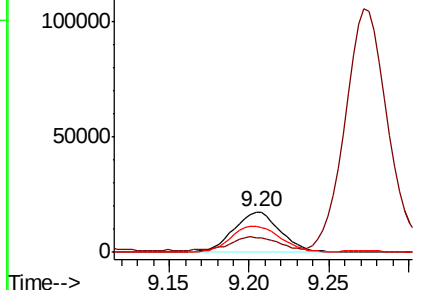
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.8  | 26.9  | 40.3  |
| 58      | 69.7  | 57.3  | 85.9  |

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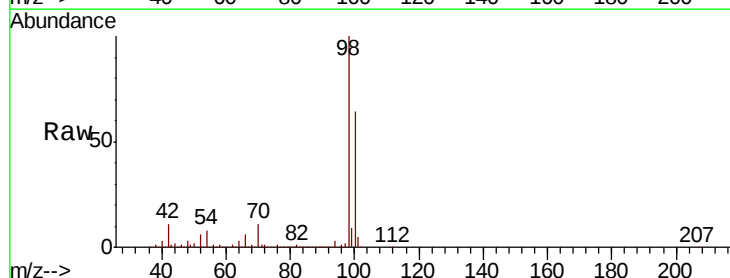


Abundance Ion 88.00 (87.70 to 88.70): VN0  
 Ion 43.00 (42.70 to 43.70): VN0  
 Ion 58.00 (57.70 to 58.70): VN0

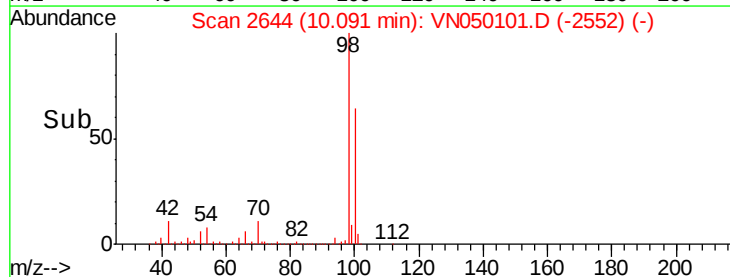
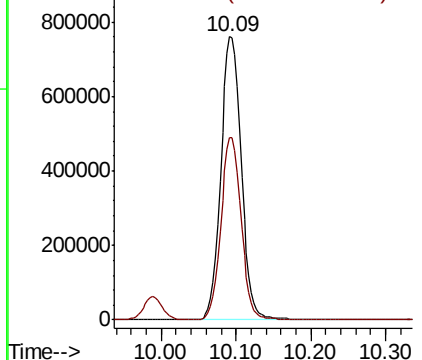


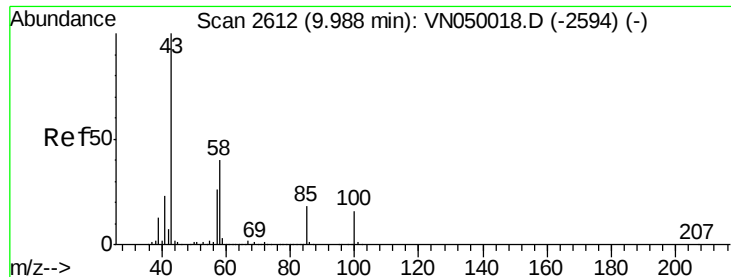
#50  
 Toluene-d8  
 Concen: 48.83 ug/l  
 RT: 10.09 min Scan# 2644  
 Delta R.T. -0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.8  | 50.7  | 76.1  |



Abundance Ion 98.00 (97.70 to 98.70): VN0  
 Ion 100.00 (99.70 to 100.70): VN0





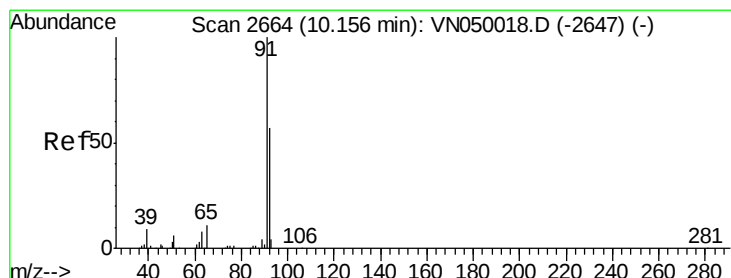
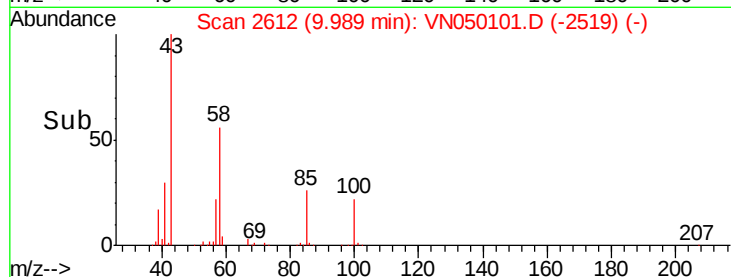
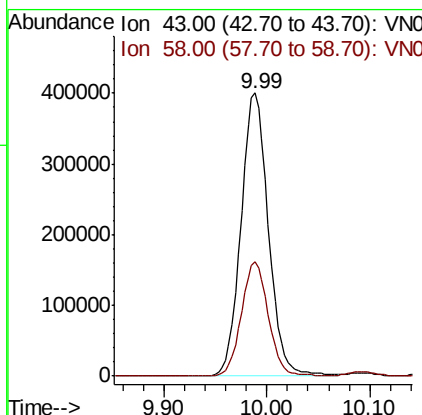
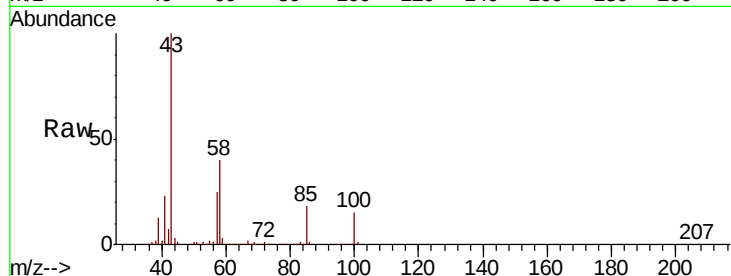
#51  
4-Methyl-2-Pentanone  
Concen: 97.58 ug/l  
RT: 9.99 min Scan# 2612  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0726WBSD02

| Tot Ion   | 43   | Resp  | 737793 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 39.9 | 31.9  | 47.9   |

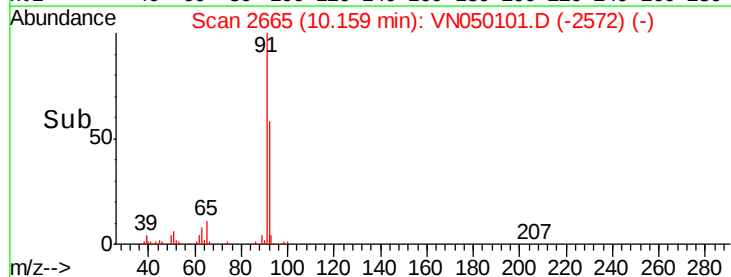
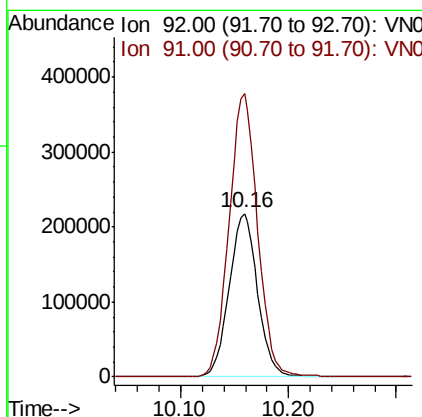
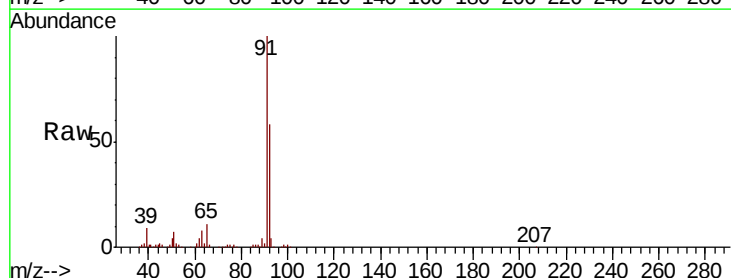
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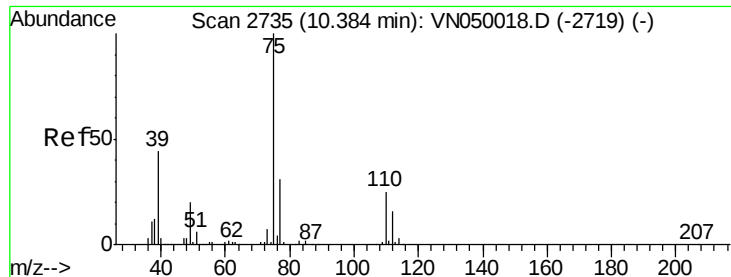
MMDadoda  
7/27/2018 12:16:30 PM



#52  
Toluene  
Concen: 20.15 ug/l  
RT: 10.16 min Scan# 2665  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

| Tgt Ion   | 92    | Resp  | 399349 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 92        | 100   |       |        |
| 91        | 174.6 | 140.3 | 210.5  |





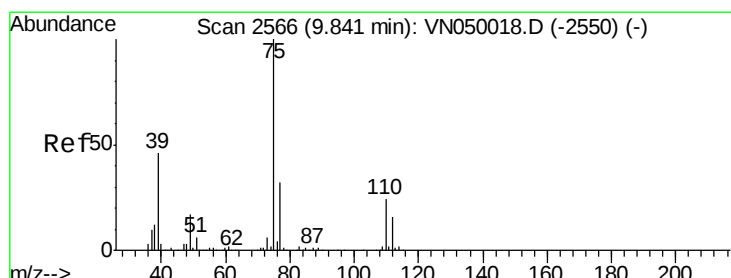
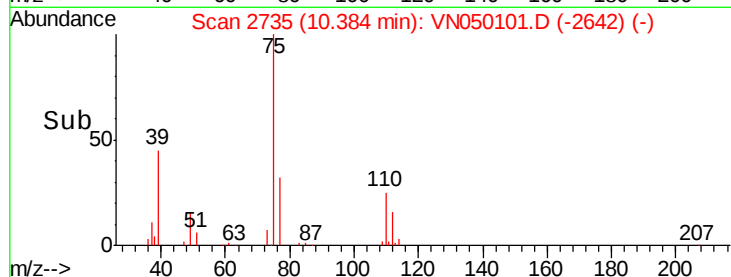
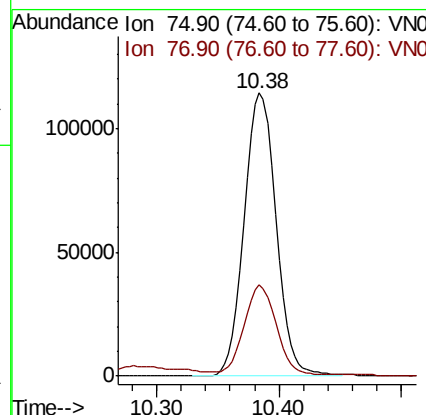
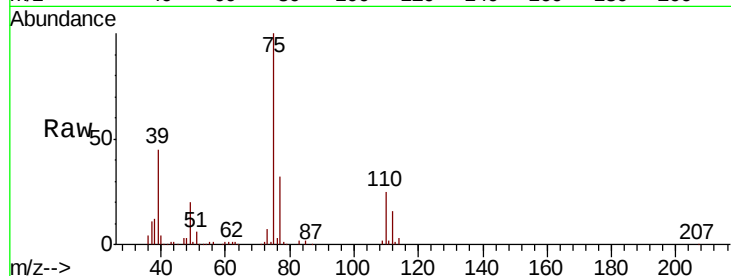
#53  
t-1,3-Dichloropropene  
Concen: 18.81 ug/l  
RT: 10.38 min Scan# 2735  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0726WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.5  | 24.9  | 37.3  |

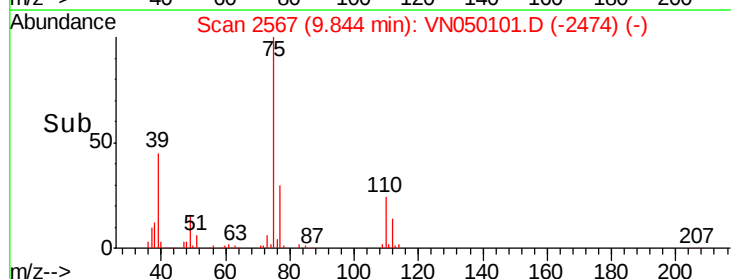
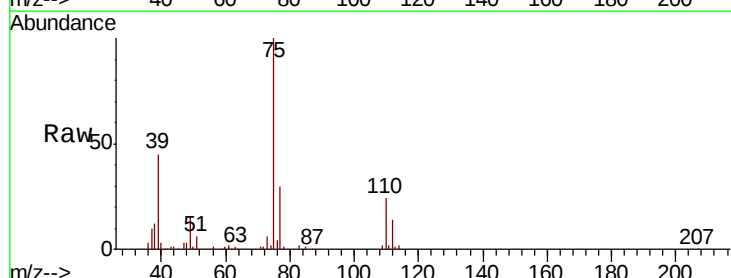
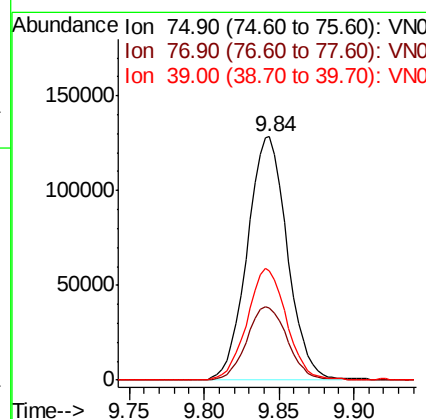
Manual Integrations  
APPROVED

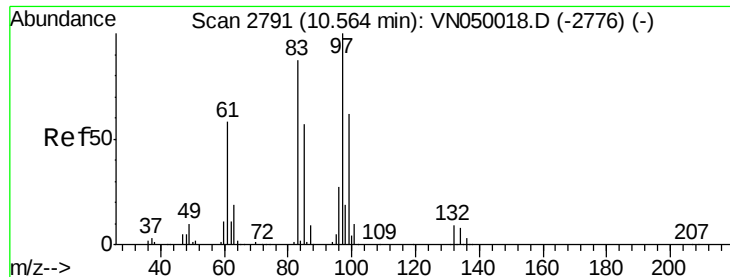
MMDadoda  
7/27/2018 12:16:30 PM



#54  
cis-1,3-Dichloropropene  
Concen: 19.01 ug/l  
RT: 9.84 min Scan# 2567  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 29.6  | 25.5  | 38.3  |
| 39      | 45.0  | 36.6  | 55.0  |





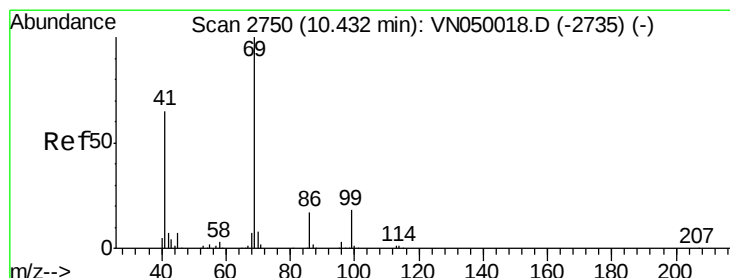
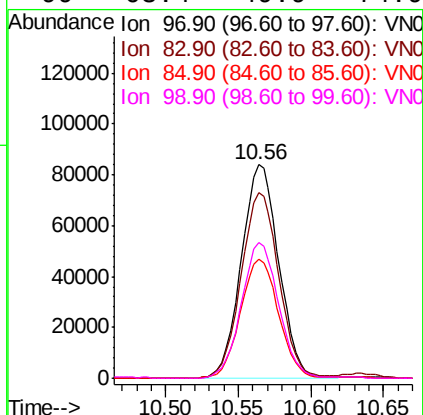
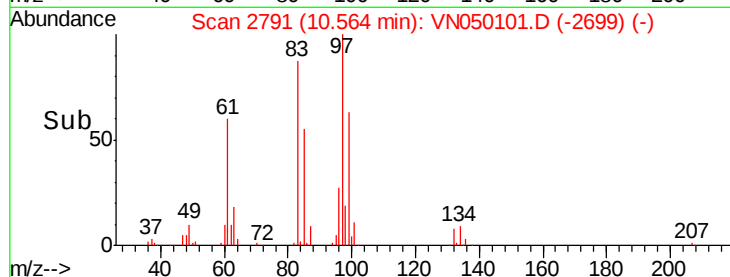
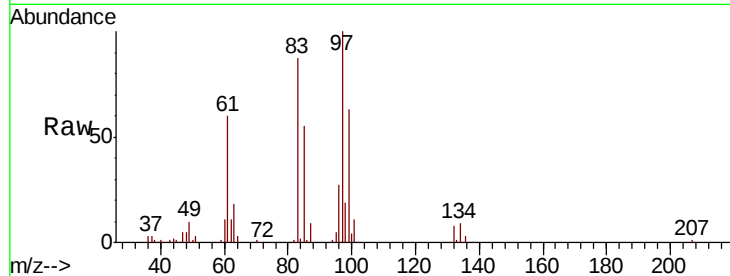
#55  
 1,1,2-Trichloroethane  
 Concen: 19.18 ug/l  
 RT: 10.56 min Scan# 2791  
 Delta R.T. -0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0726WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 86.7  | 69.2  | 103.8 |
| 85      | 55.5  | 44.0  | 66.0  |
| 99      | 63.4  | 49.9  | 74.9  |

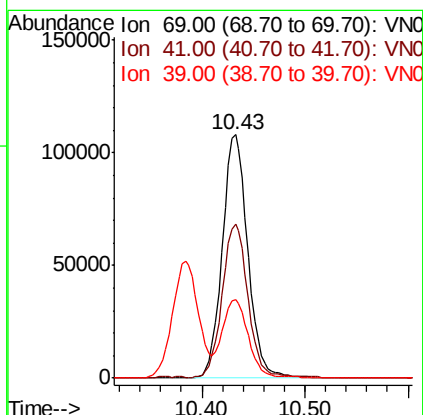
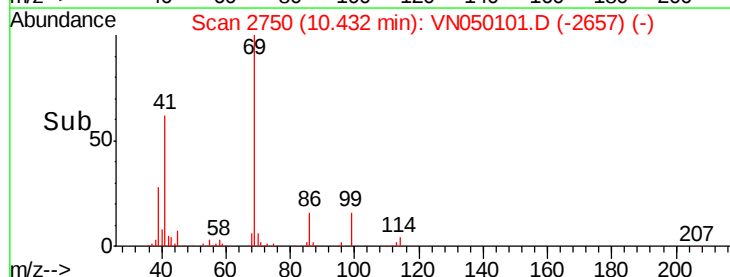
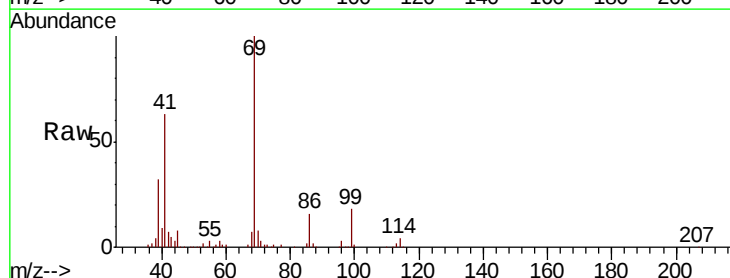
Manual Integrations  
 APPROVED

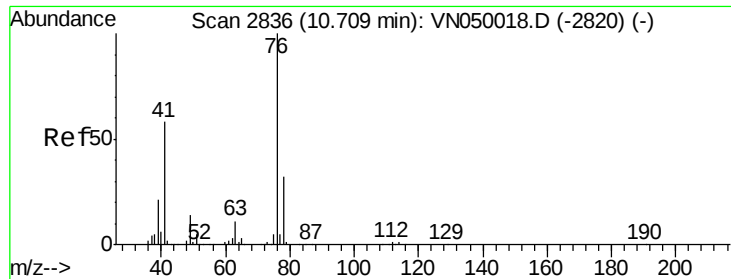
MMDadoda  
 7/27/2018 12:16:30 PM



#56  
 Ethyl methacrylate  
 Concen: 18.84 ug/l  
 RT: 10.43 min Scan# 2750  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 63.4  | 51.0  | 76.4  |
| 39      | 32.8  | 26.6  | 40.0  |





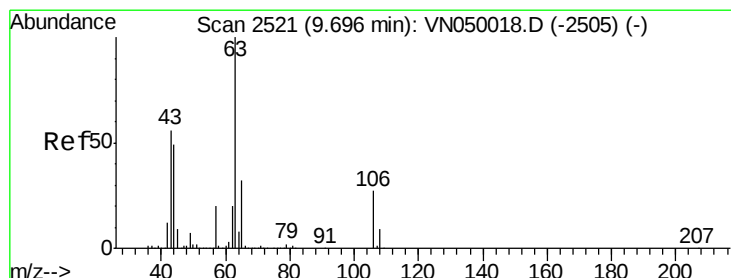
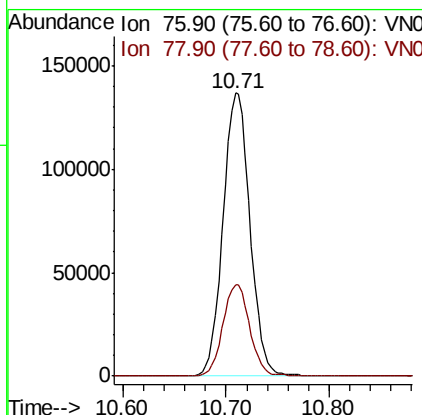
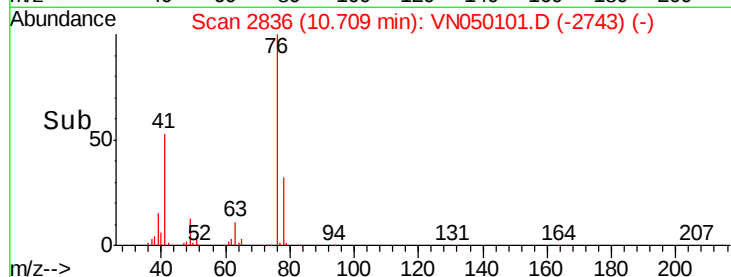
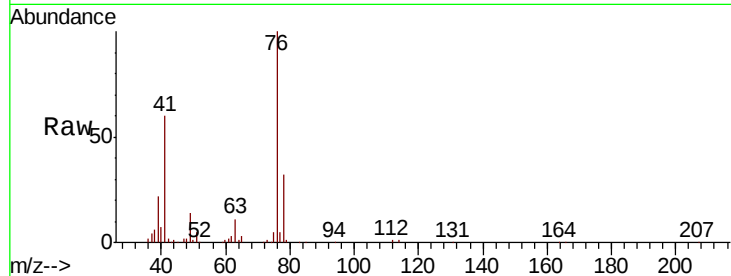
#57  
 1,3-Dichloropropane  
 Concen: 19.49 ug/l  
 RT: 10.71 min Scan# 2836  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0726WBSD02

Tot Ion: 76 Resp: 249393  
 Ion Ratio Lower Upper  
 76 100  
 78 32.2 25.7 38.5

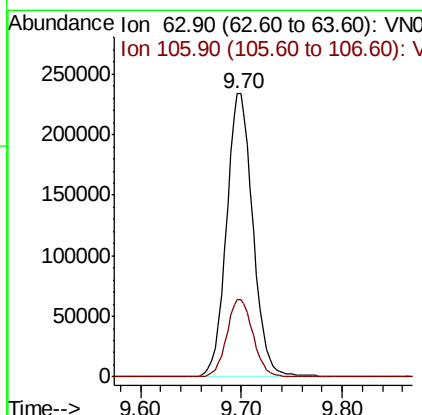
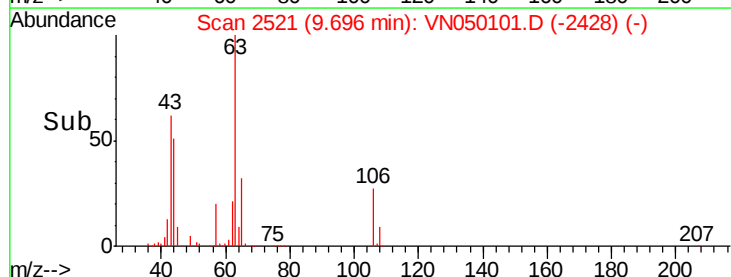
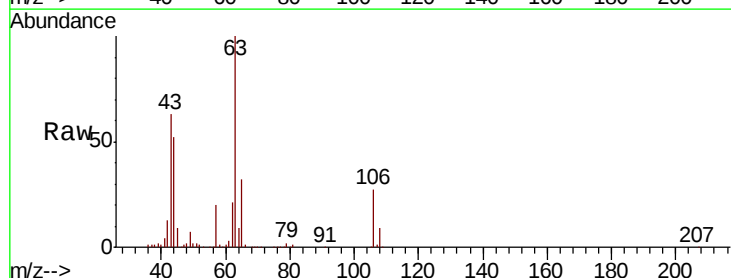
Manual Integrations  
 APPROVED

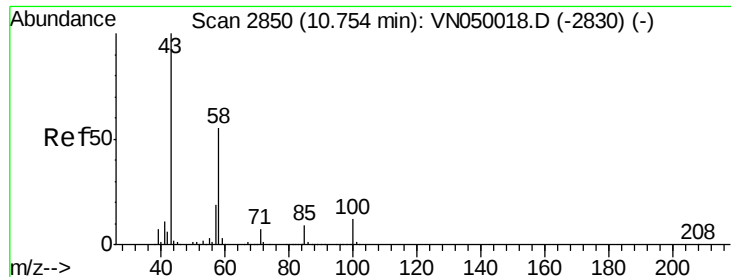
MMDadoda  
 7/27/2018 12:16:30 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 91.55 ug/l  
 RT: 9.70 min Scan# 2521  
 Delta R.T. -0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Tgt Ion: 63 Resp: 427549  
 Ion Ratio Lower Upper  
 63 100  
 106 27.4 21.7 32.5





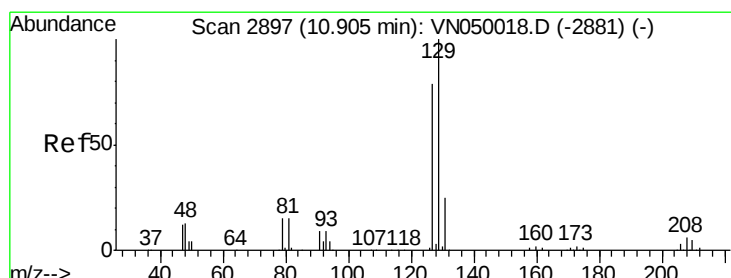
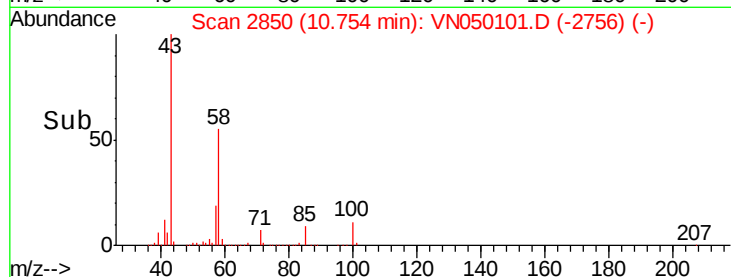
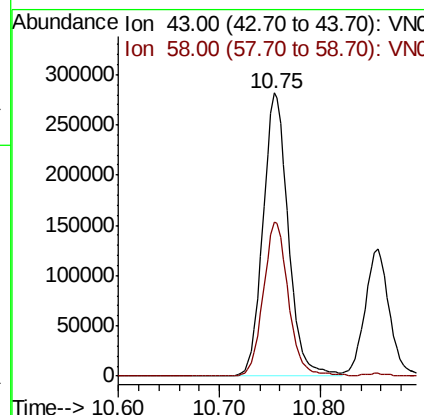
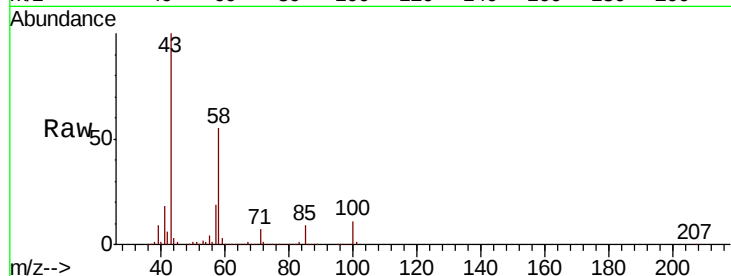
#59  
2-Hexanone  
Concen: 90.86 ug/l  
RT: 10.75 min Scan# 2850  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0726WBSD02

| Tot Ion   | 43    | Resp  | 486134 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 54.4  | 27.6  | 82.7   |

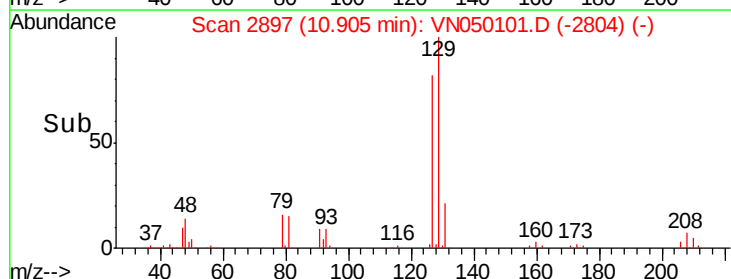
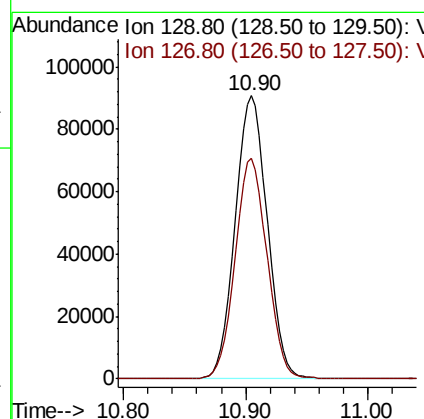
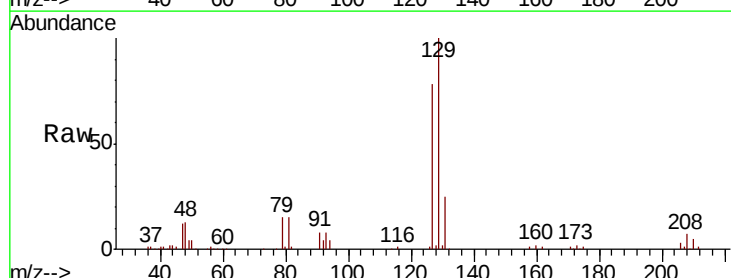
Manual Integrations  
APPROVED

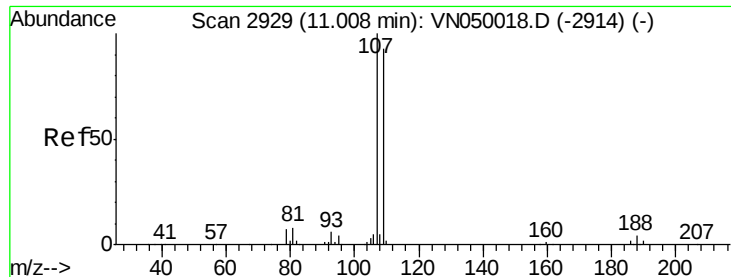
MMDadoda  
7/27/2018 12:16:30 PM



#60  
Dibromochloromethane  
Concen: 19.09 ug/l  
RT: 10.90 min Scan# 2897  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

| Tgt Ion   | 129   | Resp  | 166099 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 129       | 100   |       |        |
| 127       | 77.5  | 38.0  | 113.9  |





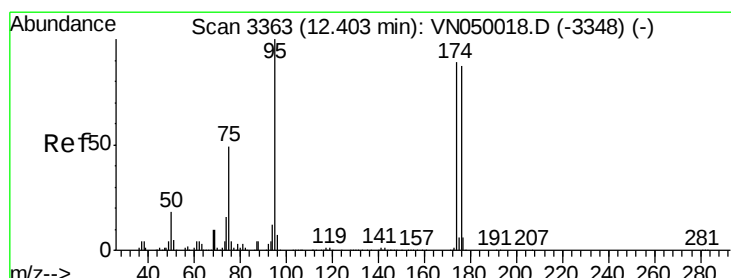
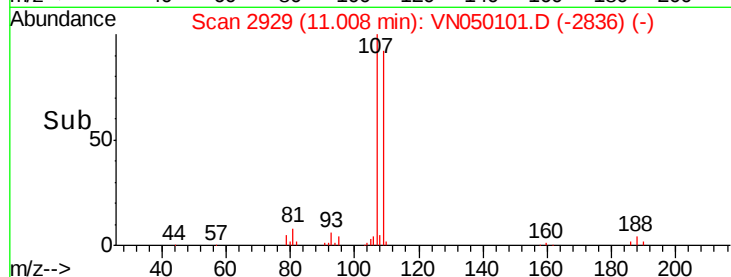
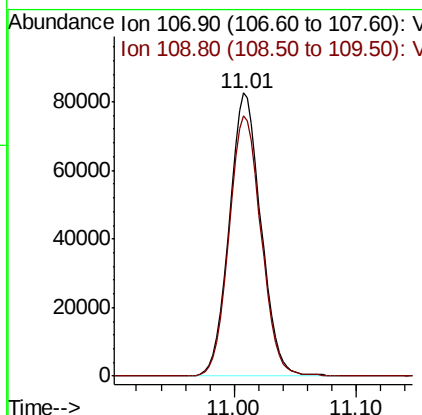
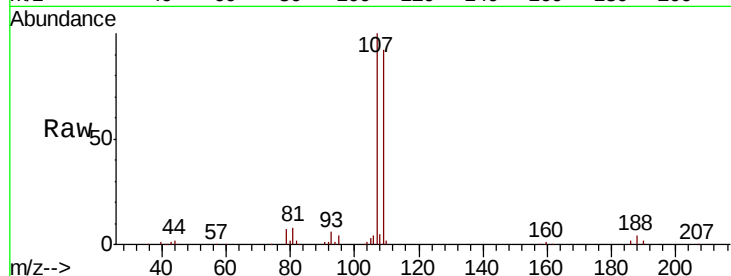
#61  
 1,2-Dibromoethane  
 Concen: 19.13 ug/l  
 RT: 11.01 min Scan# 2929  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0726WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.3  | 74.6  | 112.0 |

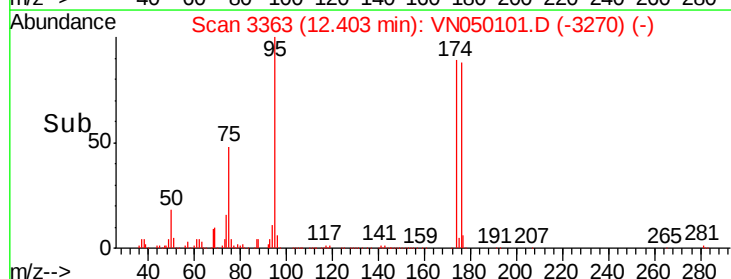
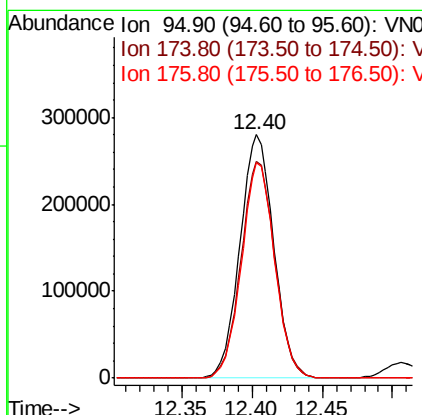
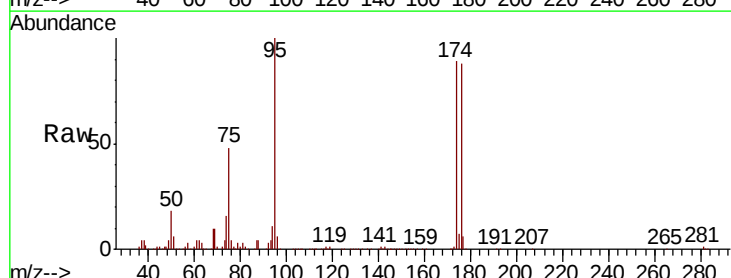
Manual Integrations  
 APPROVED

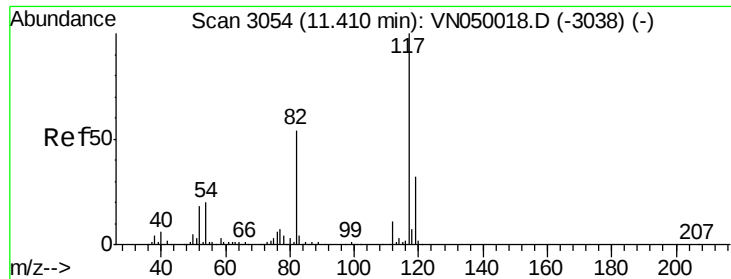
MMDadoda  
 7/27/2018 12:16:30 PM



#62  
 4-Bromofluorobenzene  
 Concen: 48.53 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 89.3  | 0.0   | 178.2 |
| 176     | 86.9  | 0.0   | 173.4 |





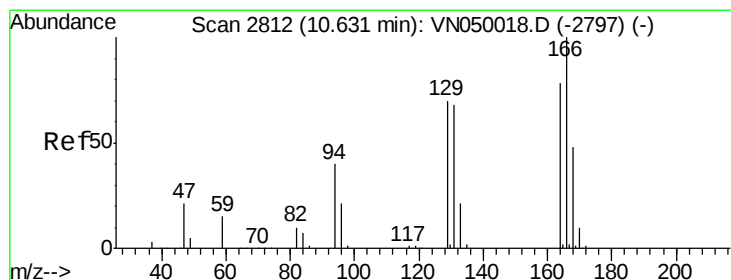
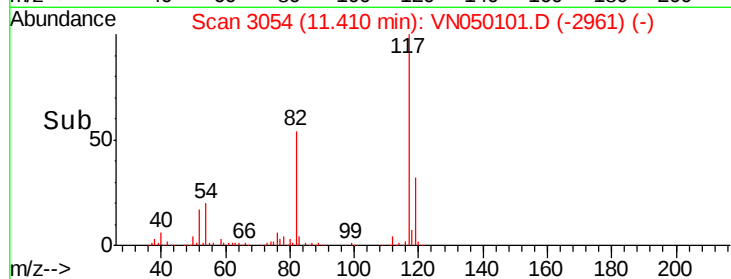
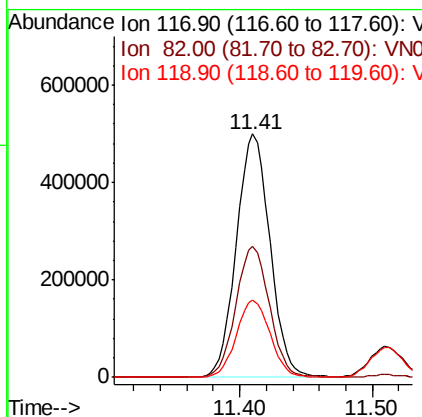
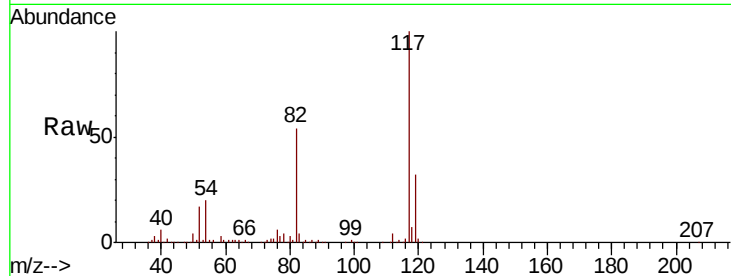
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0726WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.8  | 43.7  | 65.5  |
| 119     | 31.5  | 26.1  | 39.1  |

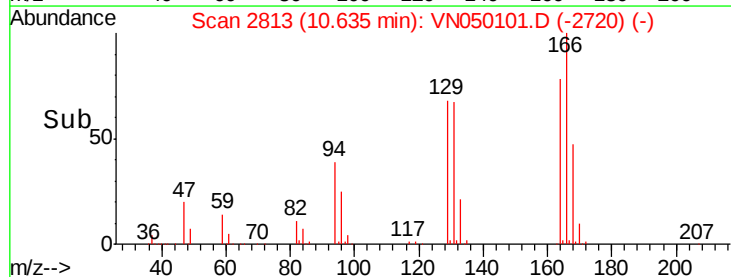
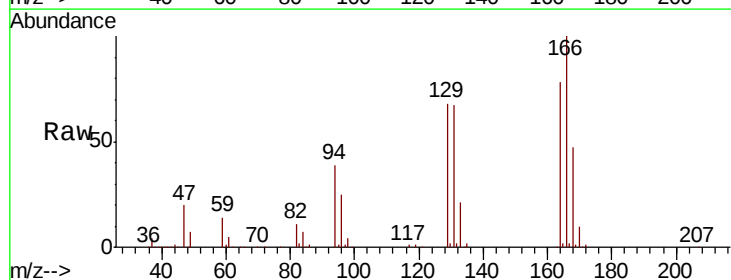
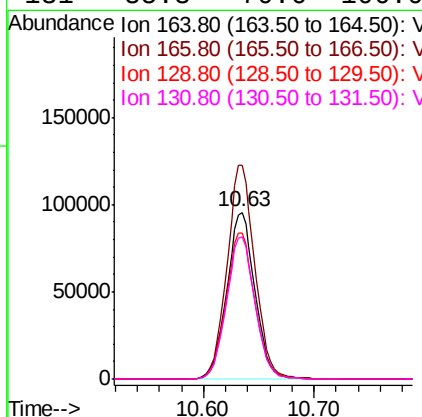
Manual Integrations  
APPROVED

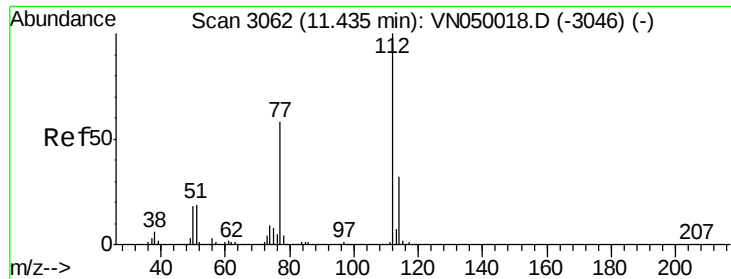
MMDadoda  
7/27/2018 12:16:30 PM



#64  
Tetrachloroethene  
Concen: 19.92 ug/l  
RT: 10.63 min Scan# 2813  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.2 | 102.1 | 153.1 |
| 129     | 87.3  | 73.2  | 109.8 |
| 131     | 85.3  | 70.6  | 106.0 |





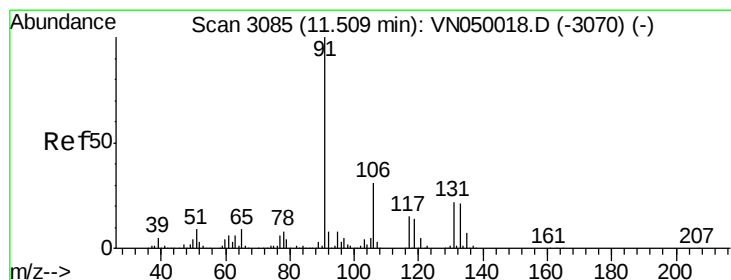
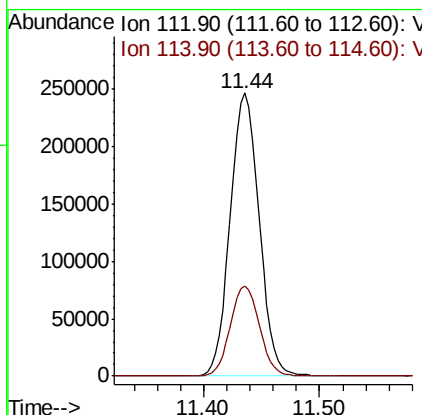
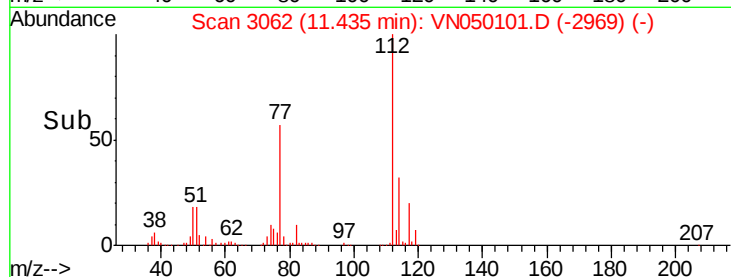
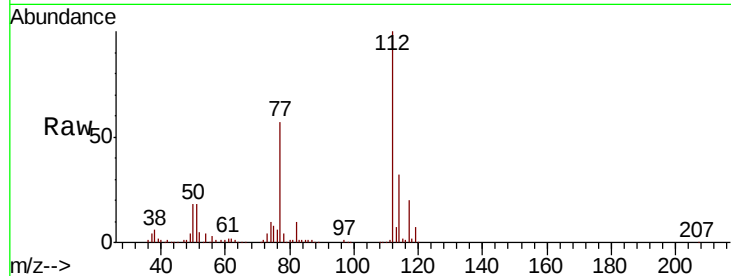
#65  
Chlorobenzene  
Concen: 19.23 ug/l  
RT: 11.44 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0726WBSD02

Tot Ion:112 Resp: 428404  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.6 38.4

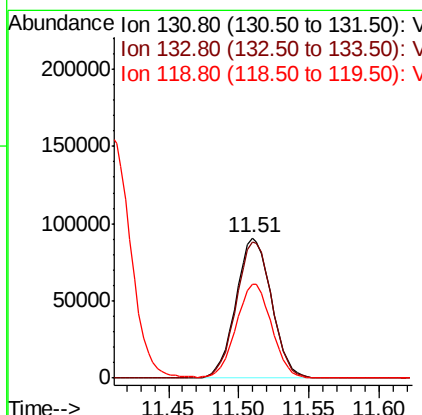
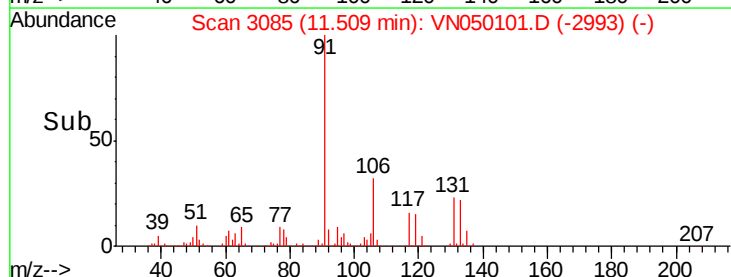
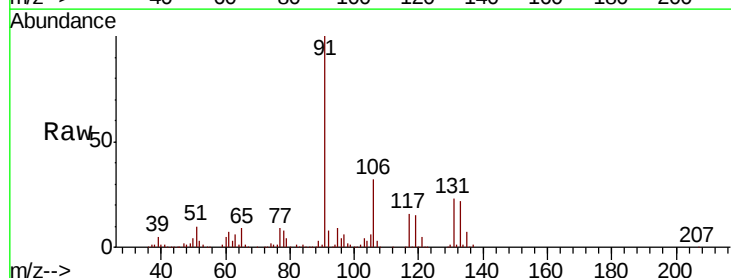
Manual Integrations  
APPROVED

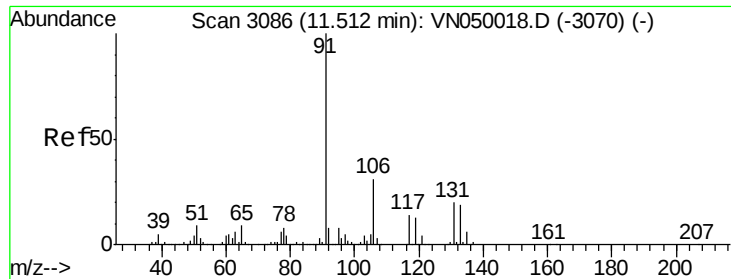
MMDadoda  
7/27/2018 12:16:30 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.76 ug/l  
RT: 11.51 min Scan# 3085  
Delta R.T. -0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Tgt Ion:131 Resp: 160624  
Ion Ratio Lower Upper  
131 100  
133 97.4 47.3 141.9  
119 66.9 32.9 98.7





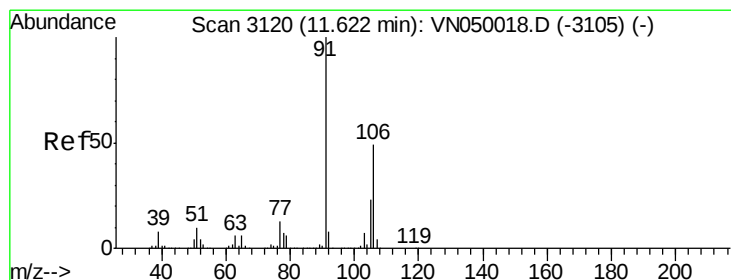
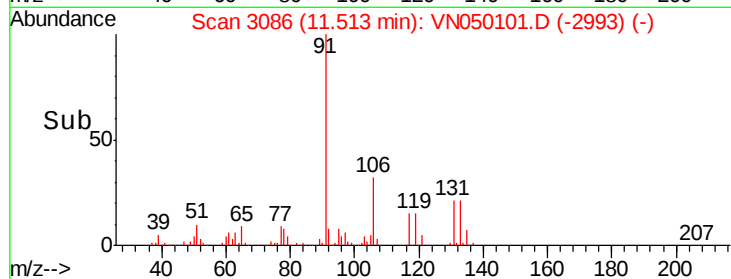
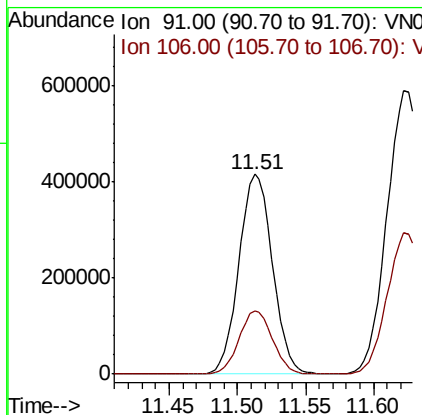
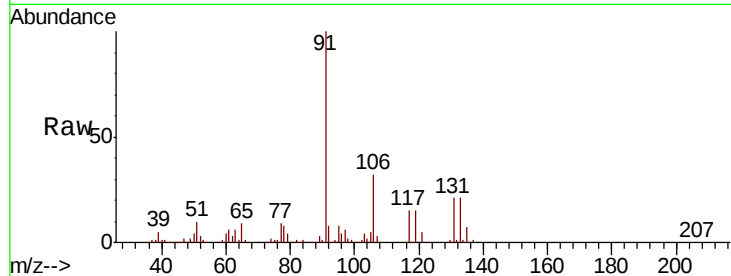
#67  
Ethyl Benzene  
Concen: 19.87 ug/l  
RT: 11.51 min Scan# 3086  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0726WBSD02

Tot Ion: 91 Resp: 711167  
Ion Ratio Lower Upper  
91 100  
106 31.9 25.0 37.4

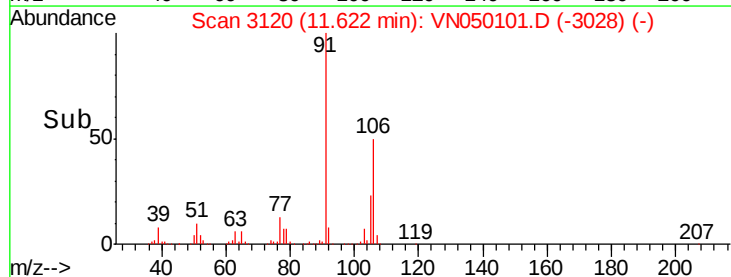
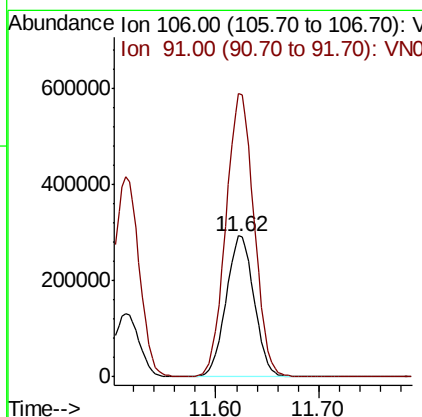
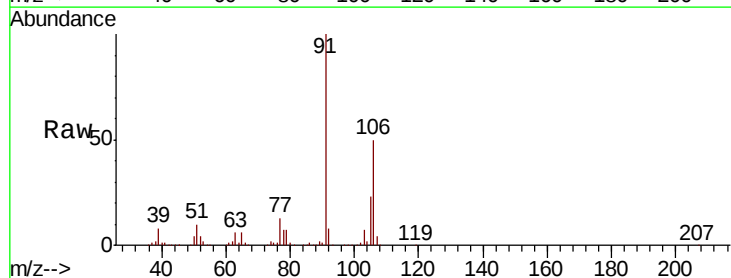
Manual Integrations  
APPROVED

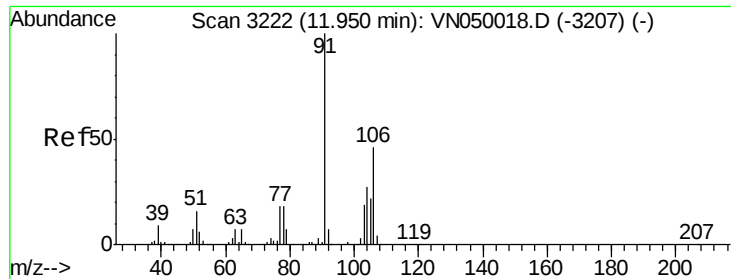
MMDadoda  
7/27/2018 12:16:30 PM



#68  
m/p-Xylenes  
Concen: 41.14 ug/l  
RT: 11.62 min Scan# 3120  
Delta R.T. -0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Tgt Ion: 106 Resp: 556881  
Ion Ratio Lower Upper  
106 100  
91 201.5 162.2 243.2





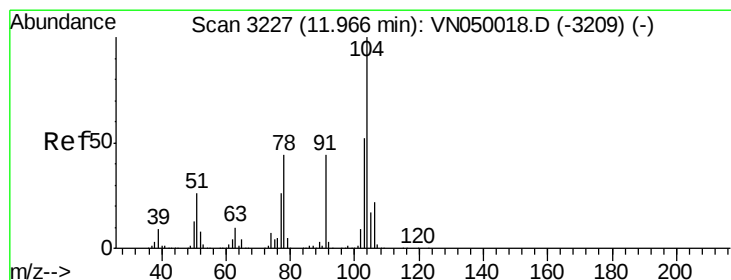
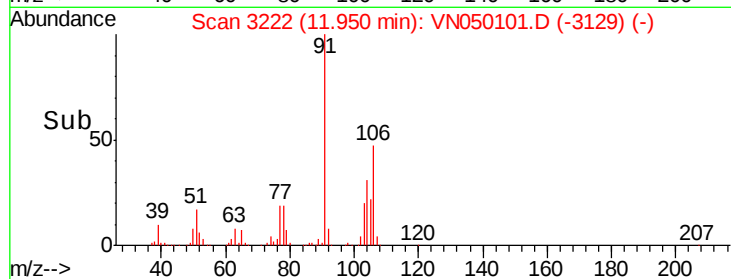
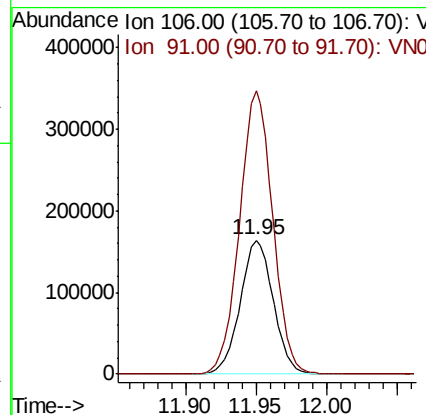
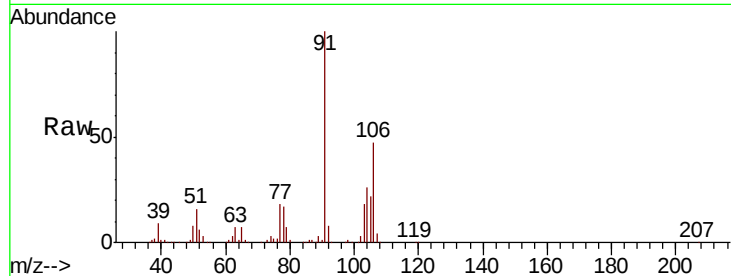
#69  
o-Xylene  
Concen: 20.83 ug/l  
RT: 11.95 min Scan# 3222  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0726WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 212.6 | 107.7 | 323.1 |

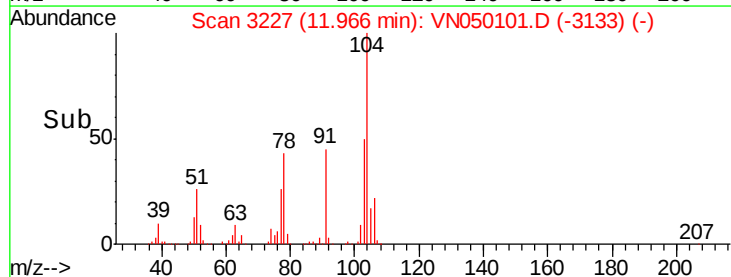
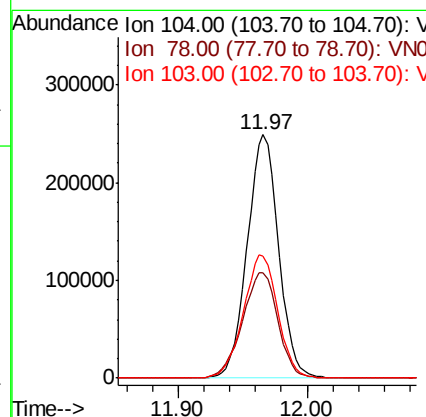
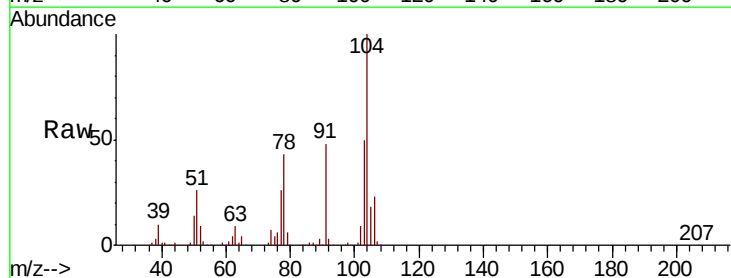
Manual Integrations  
APPROVED

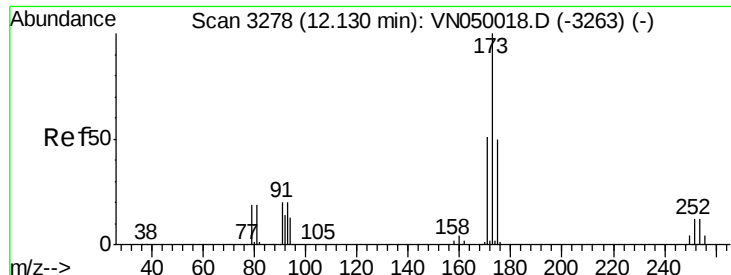
MMDadoda  
7/27/2018 12:16:30 PM



#70  
Styrene  
Concen: 18.97 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.9  | 39.3  | 58.9  |
| 103     | 55.4  | 45.0  | 67.6  |





#71

Bromoform

Concen: 18.81 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

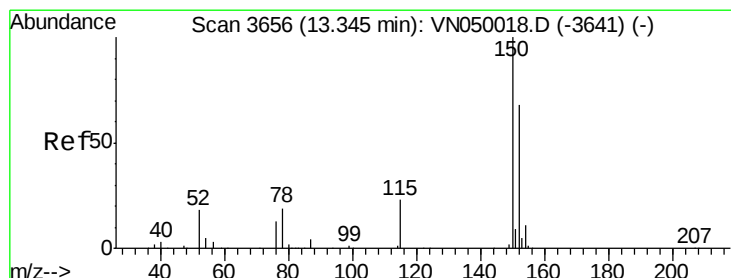
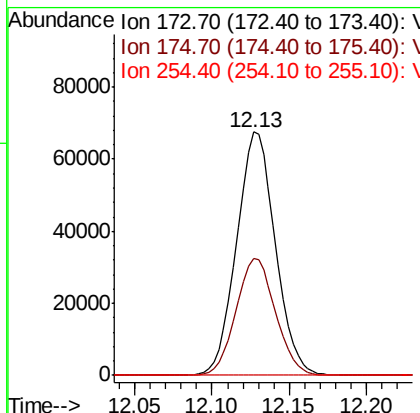
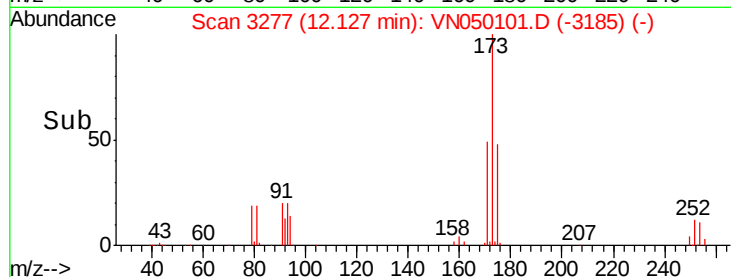
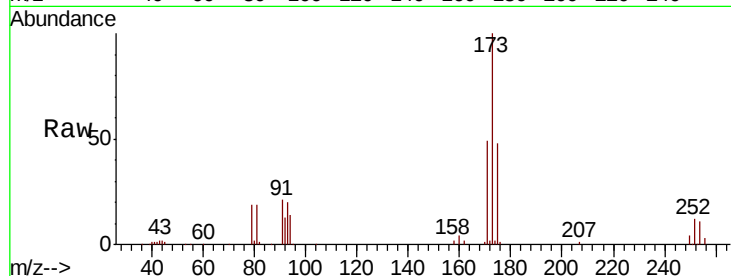
ClientSampleId :

VN0726WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.9  | 24.1  | 72.2  |
| 254     | 0.1   | 0.2   | 0.2#  |

Manual Integrations  
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

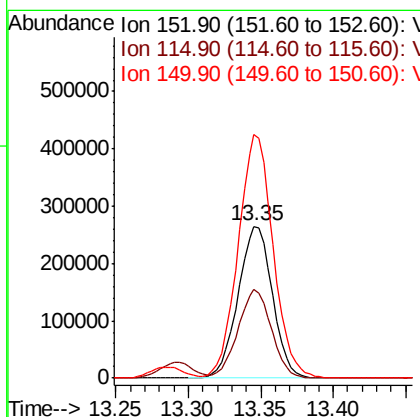
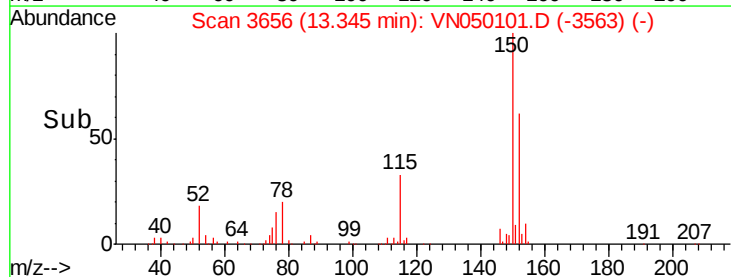
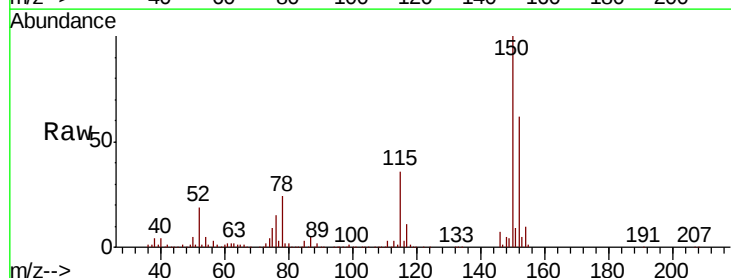
RT: 13.35 min Scan# 3656

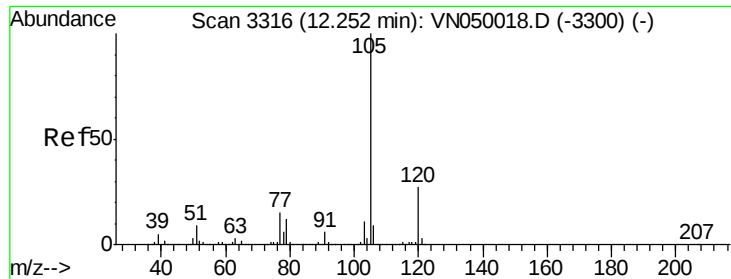
Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.0  | 27.8  | 83.3  |
| 150     | 163.6 | 0.0   | 348.6 |





#73

Isopropylbenzene

Concen: 20.88 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

ClientSampleId :

VN0726WBSD02

Tot Ion: 105 Resp: 703699

Ion Ratio Lower Upper

105 100

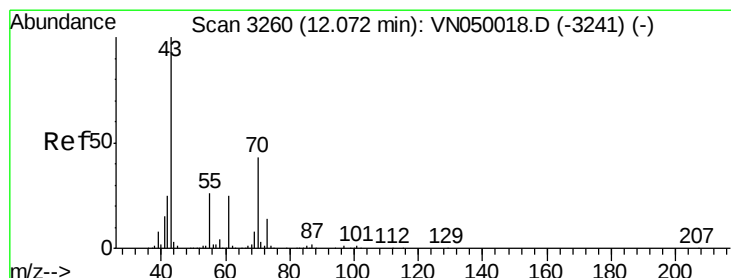
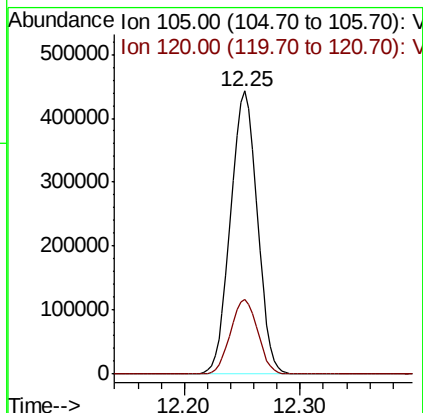
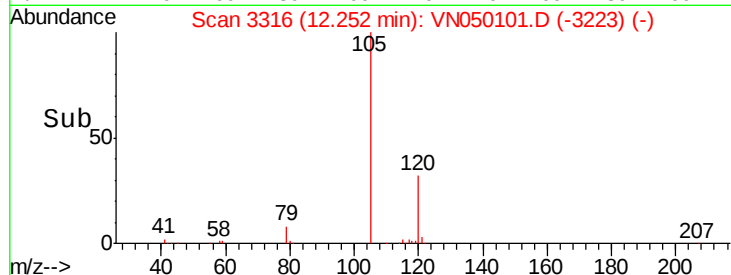
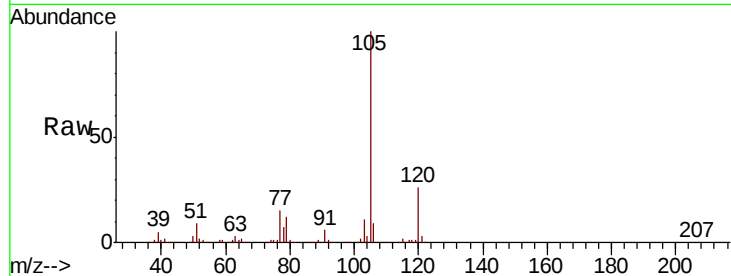
120 26.8 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.42 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Tgt Ion: 43 Resp: 200078

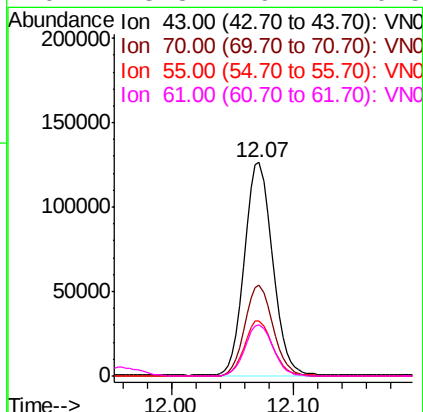
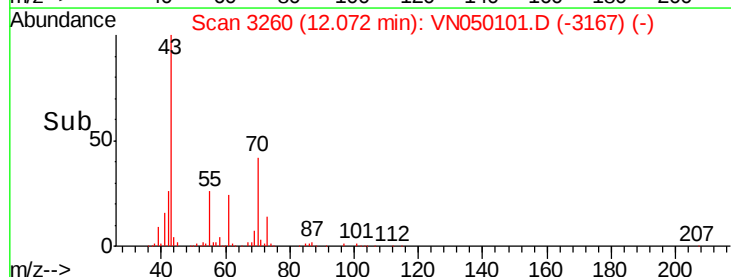
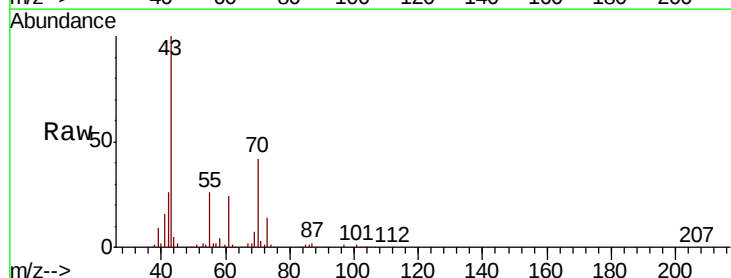
Ion Ratio Lower Upper

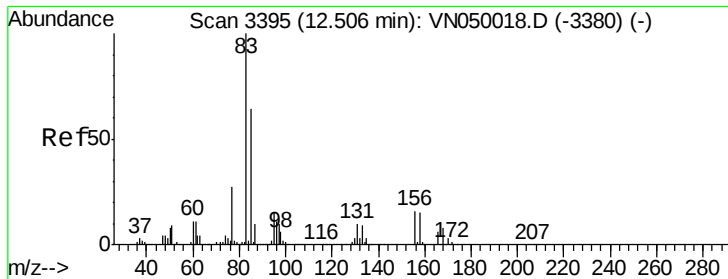
43 100

70 42.6 34.4 51.6

55 26.1 20.8 31.2

61 23.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.41 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

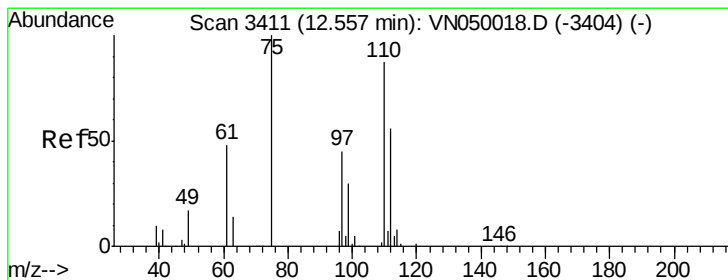
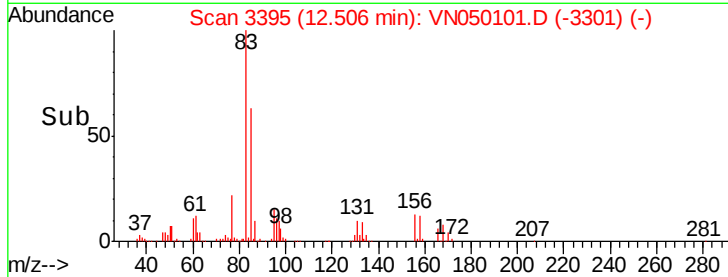
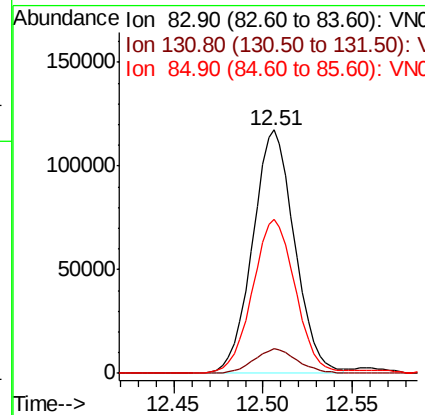
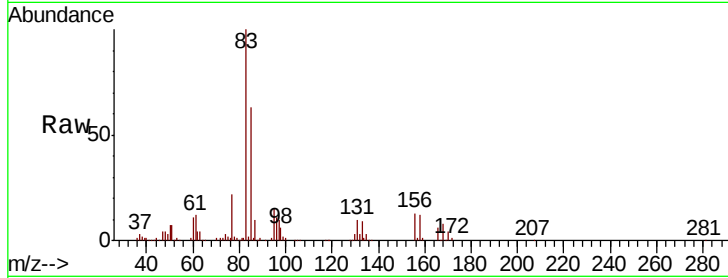
ClientSampleId :

VN0726WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 193152 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.4  | 5.1   | 15.3   |
| 85        | 64.3  | 32.3  | 96.8   |

Manual Integrations  
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7/27/2018 12:16:30 PM



#76

1,2,3-Trichloropropane

Concen: 19.18 ug/l m

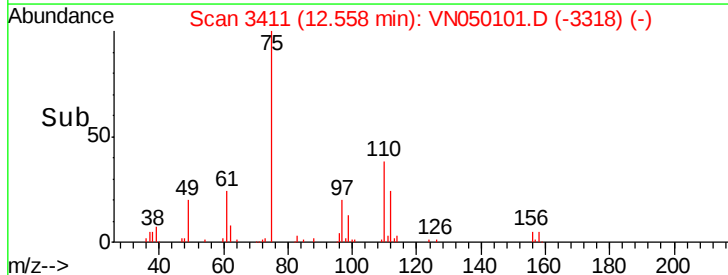
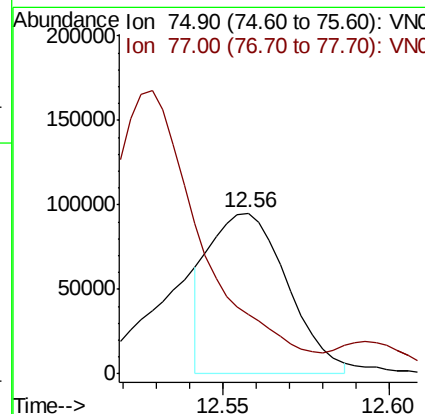
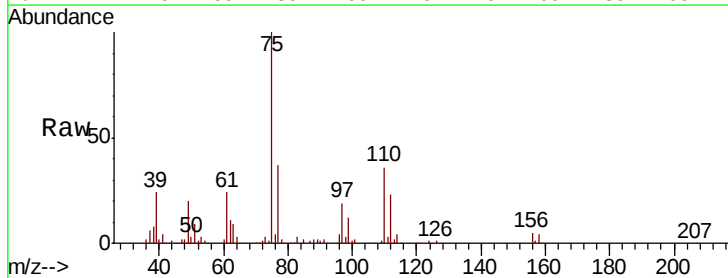
RT: 12.56 min Scan# 3411

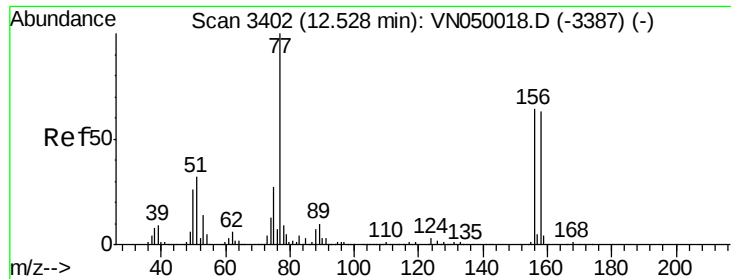
Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 154940 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 19.70 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

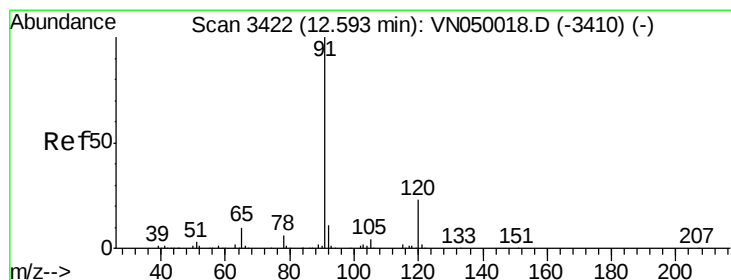
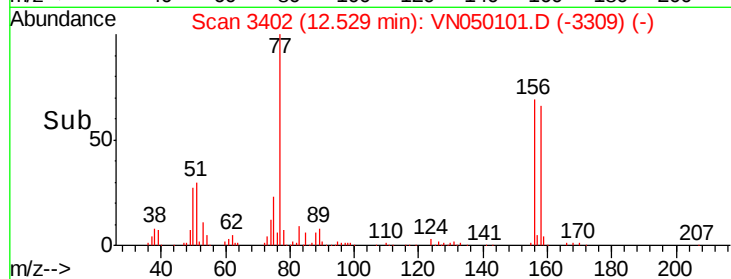
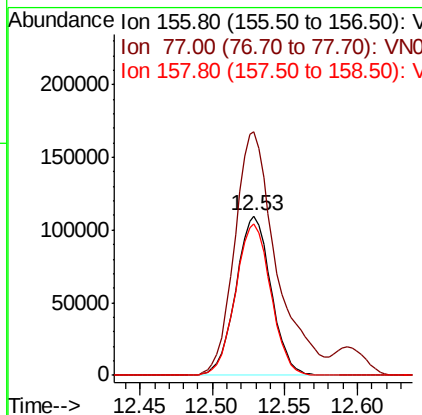
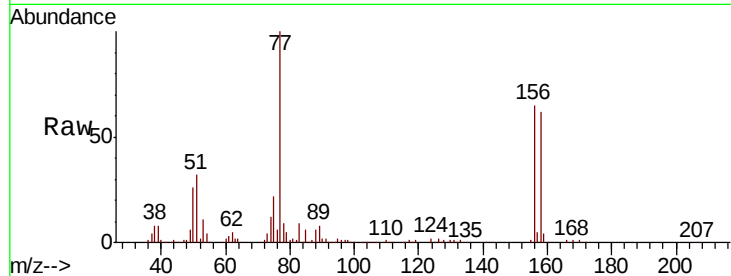
ClientSampleId :

VN0726WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 184078 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 183.7 | 91.7  | 275.1  |
| 158       | 95.8  | 48.9  | 146.6  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 21.11 ug/l

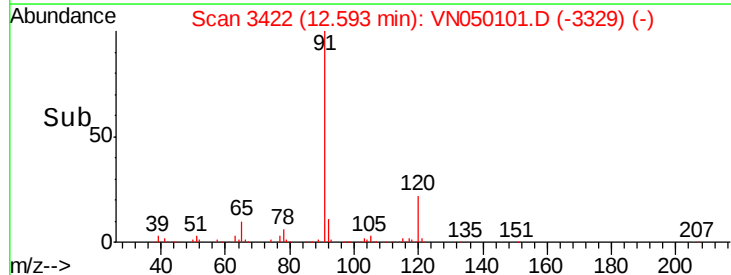
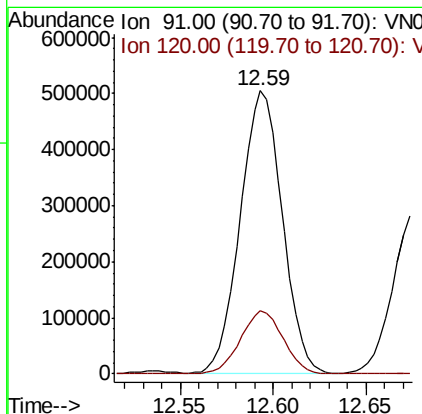
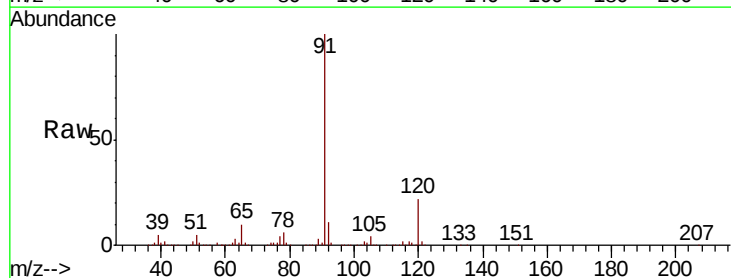
RT: 12.59 min Scan# 3422

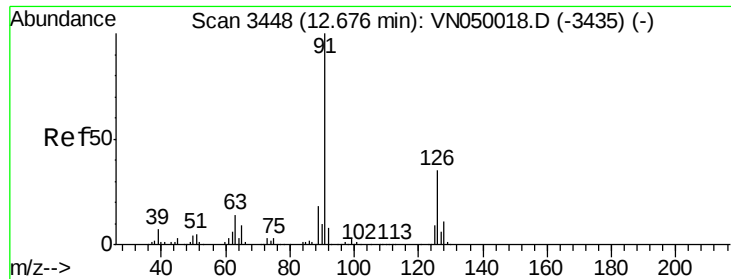
Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 795229 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.6  | 11.6  | 34.7   |





#79

2-Chlorotoluene

Concen: 20.82 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

ClientSampled :

VN0726WBSD02

Tot Ion: 91 Resp: 486260

Ion Ratio Lower Upper

91 100

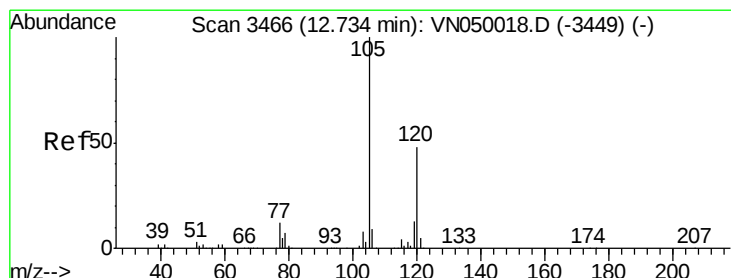
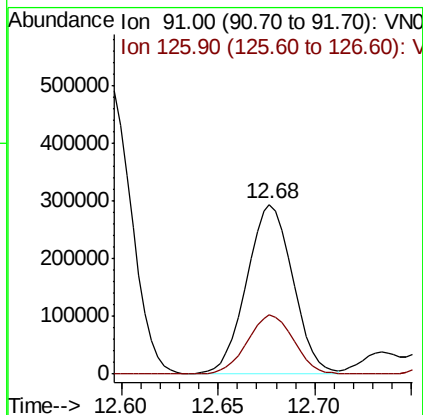
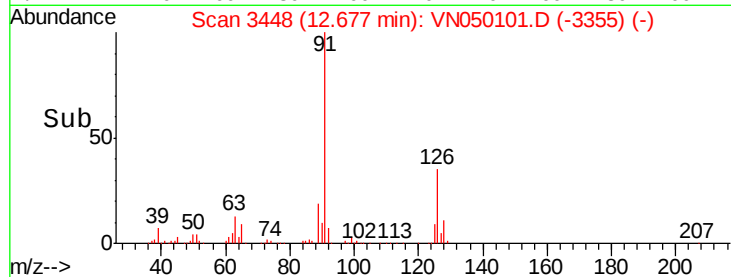
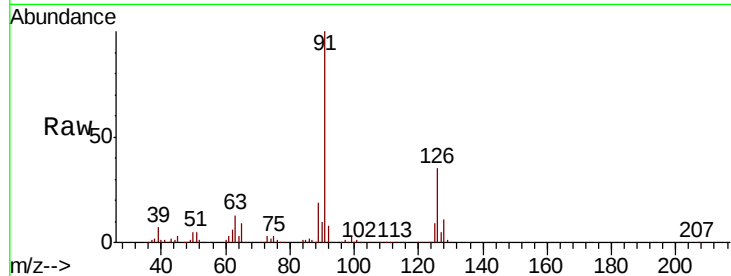
126 35.2 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.87 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050101.D

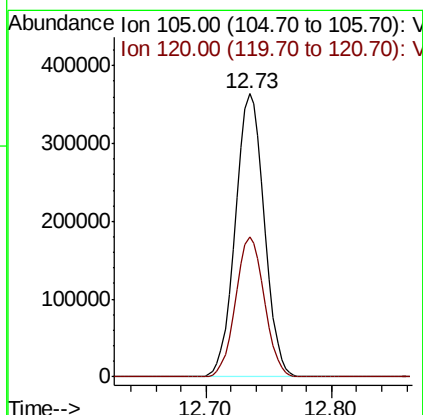
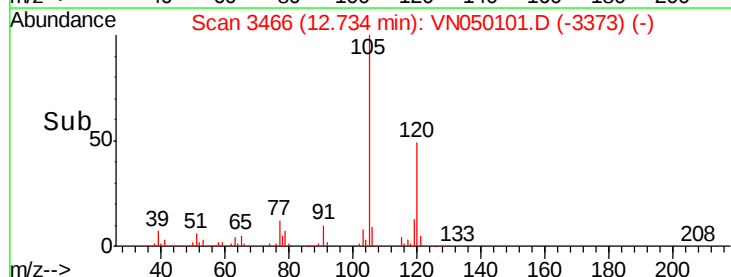
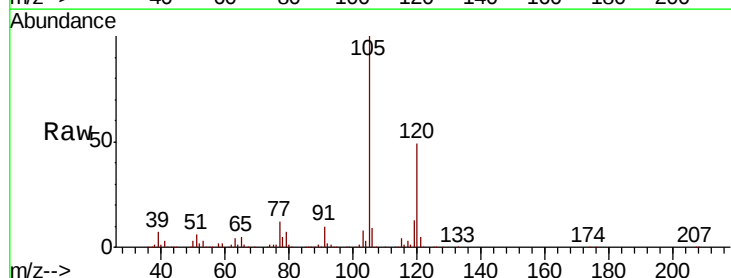
Acq: 26 Jul 2018 23:56

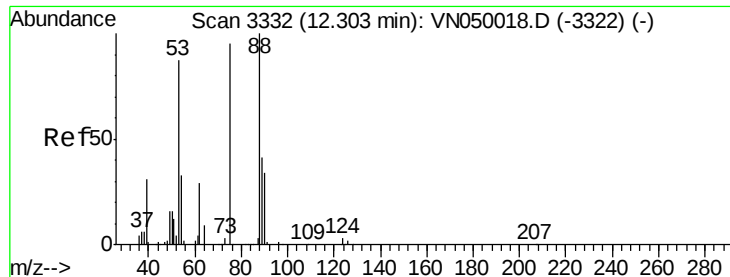
Tgt Ion: 105 Resp: 579945

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.01 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

ClientSampleId :

VN0726WBSD02

Tot Ion: 75 Resp: 43321

Ion Ratio Lower Upper

75 100

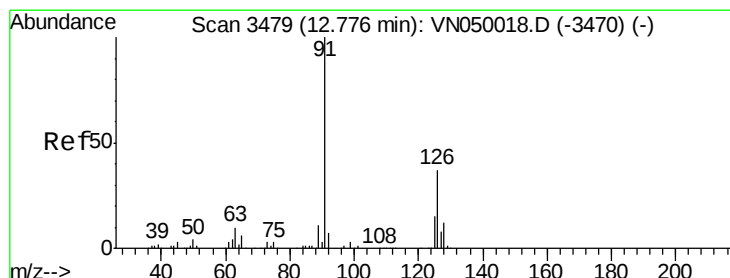
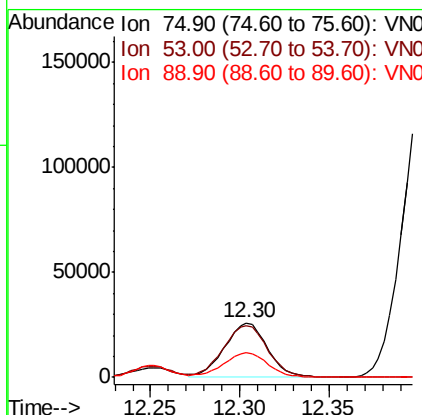
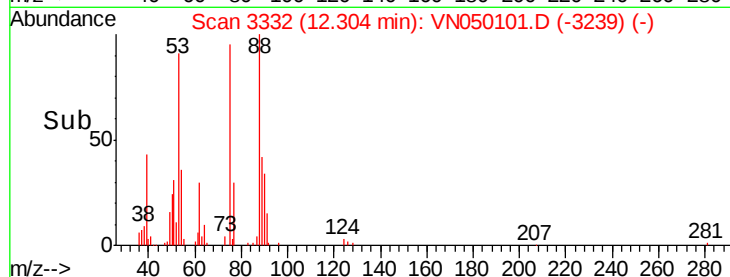
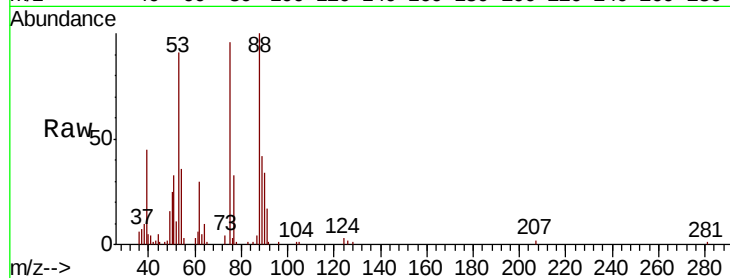
53 99.6 73.5 110.3

89 46.0 36.0 54.0

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 20.62 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050101.D

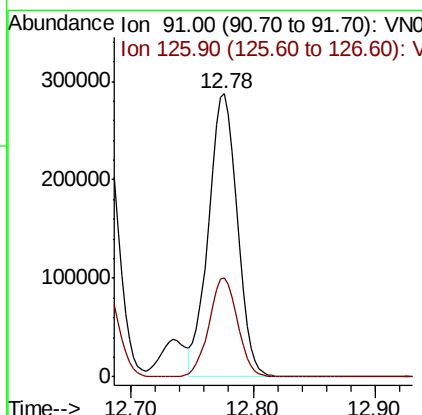
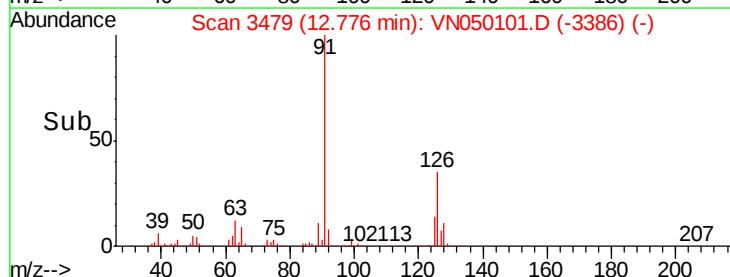
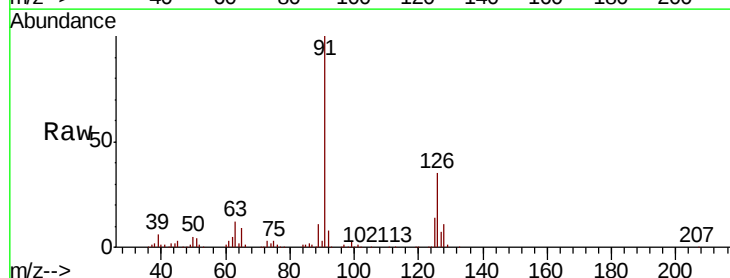
Acq: 26 Jul 2018 23:56

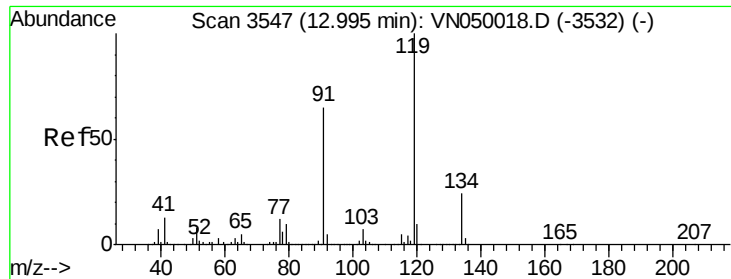
Tgt Ion: 91 Resp: 476973

Ion Ratio Lower Upper

91 100

126 34.6 17.0 51.0





#83

tert-Butylbenzene

Concen: 21.51 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

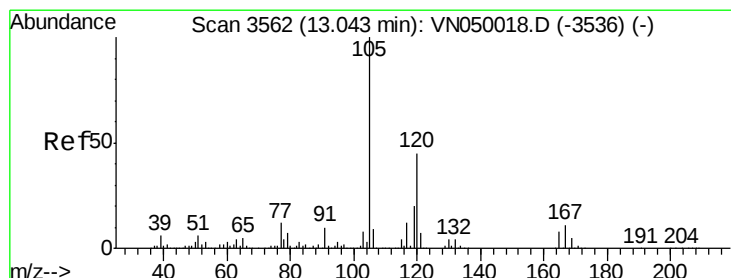
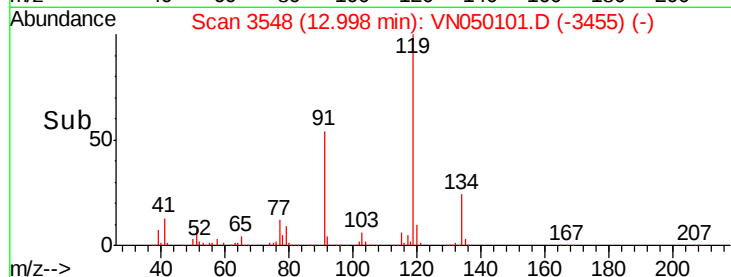
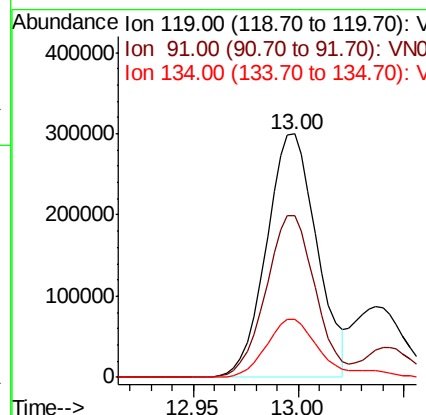
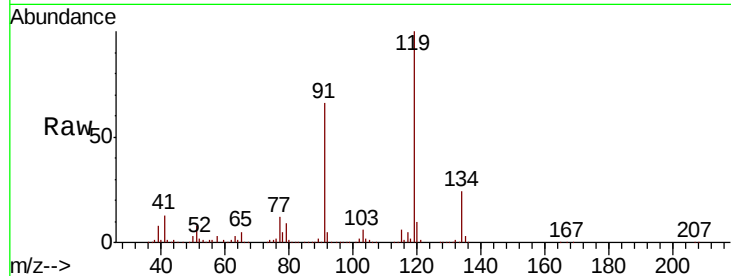
ClientSampleId :

VN0726WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 497640 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 65.0  | 32.1  | 96.3   |
| 134       | 26.1  | 13.2  | 39.5   |

Manual Integrations  
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7/27/2018 12:16:30 PM



#84

1,2,4-Trimethylbenzene

Concen: 22.06 ug/l

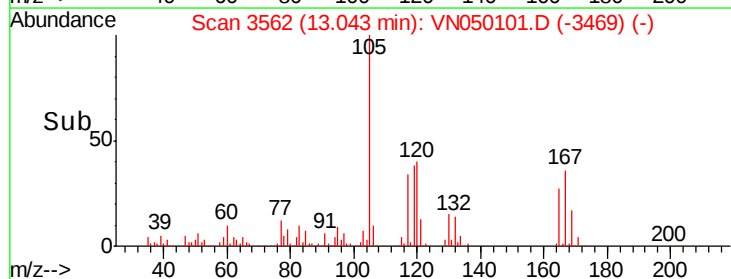
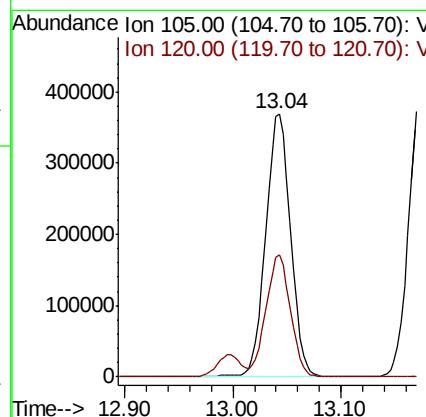
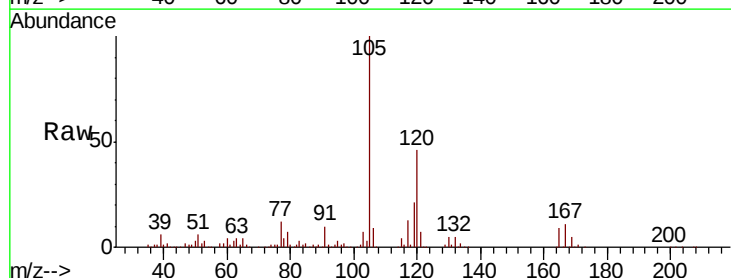
RT: 13.04 min Scan# 3562

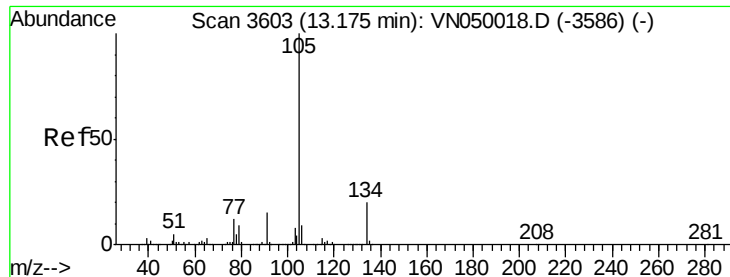
Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 589704 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.7  | 22.9  | 68.7   |





#85

sec-Butylbenzene

Concen: 21.24 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

ClientSampleId :

VN0726WBSD02

Tot Ion:105 Resp: 656579

Ion Ratio Lower Upper

105 100

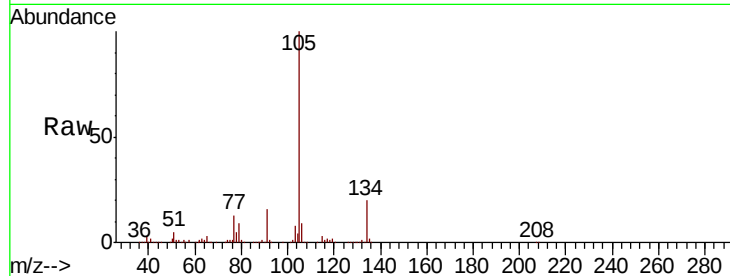
134 19.9 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

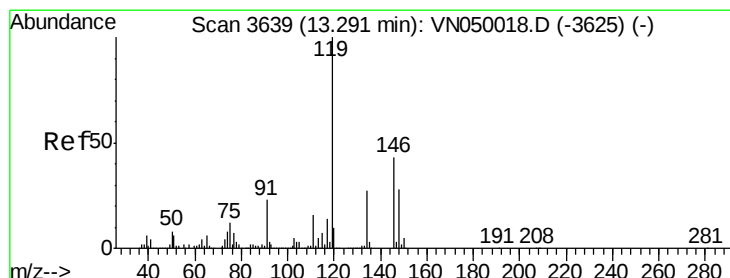
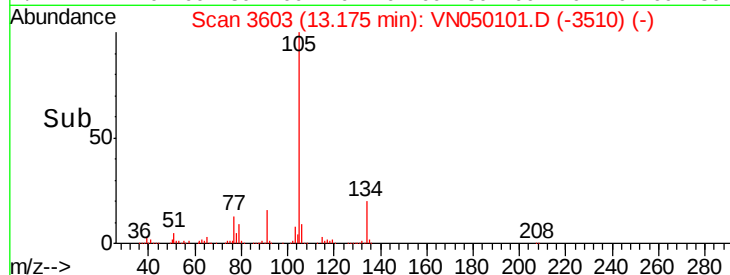
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.57 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

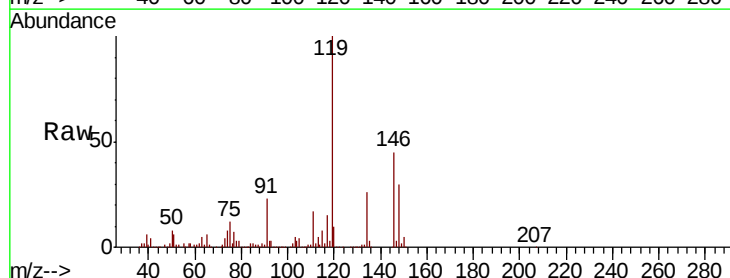
Tgt Ion:119 Resp: 561900

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 23.1 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

500000

400000

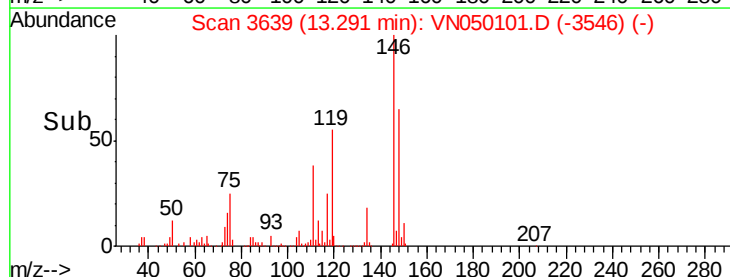
300000

200000

100000

0

Time-->





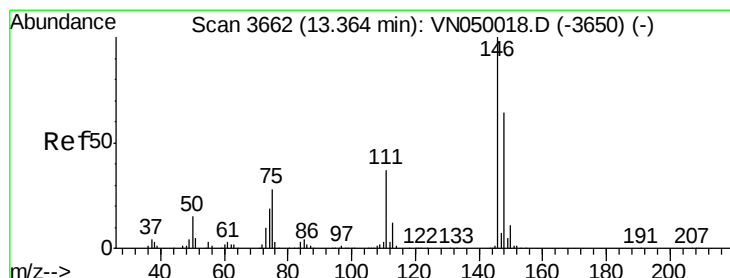
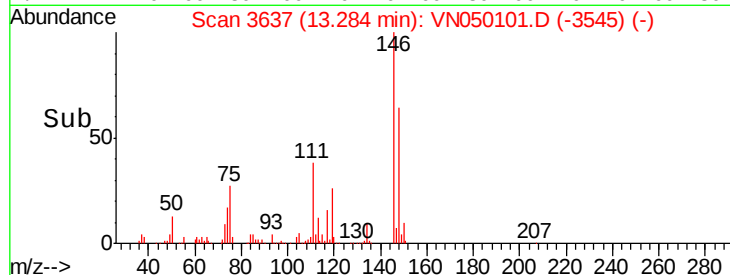
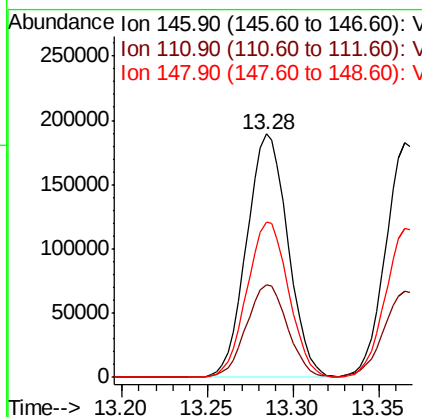
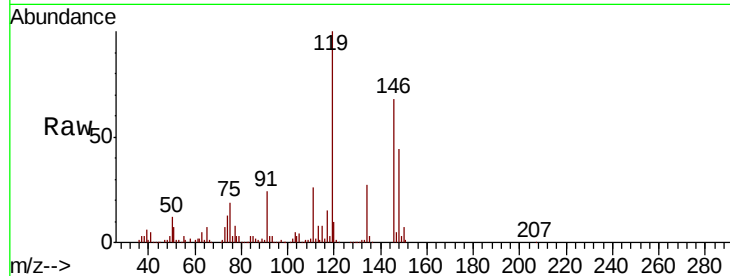
#87  
 1,3-Dichlorobenzene  
 Concen: 19.91 ug/l  
 RT: 13.28 min Scan# 3637  
 Delta R.T. -0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0726WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.8  | 18.8  | 56.4  |
| 148     | 64.4  | 31.9  | 95.9  |

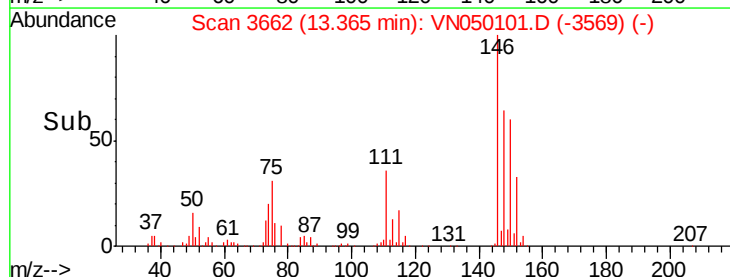
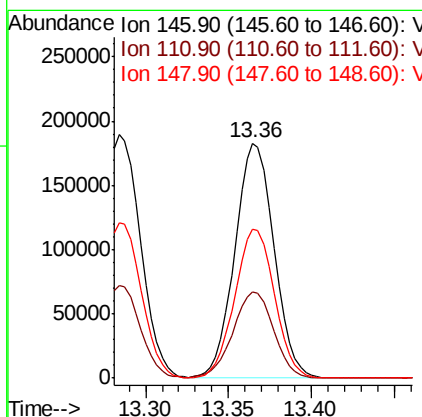
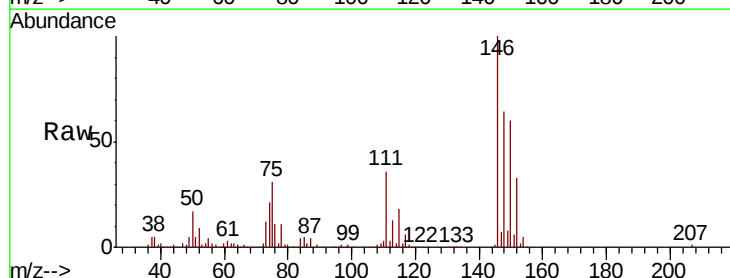
Manual Integrations  
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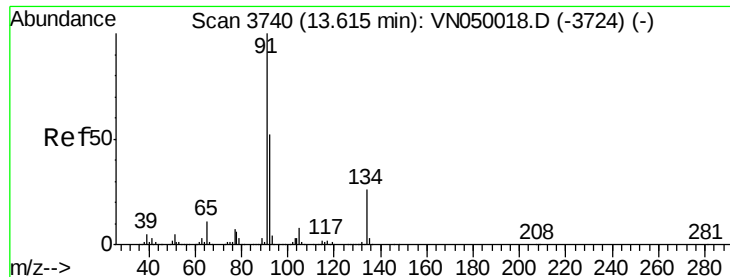
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 19.45 ug/l  
 RT: 13.36 min Scan# 3662  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.2  | 18.3  | 54.9  |
| 148     | 64.5  | 31.9  | 95.9  |





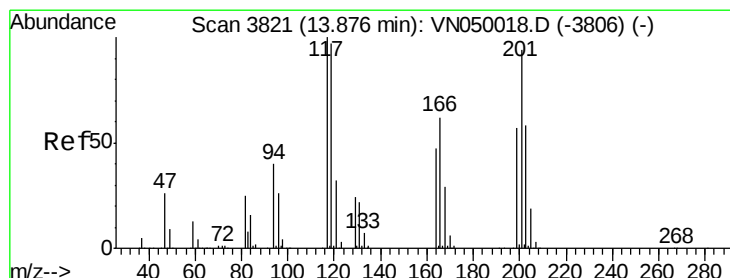
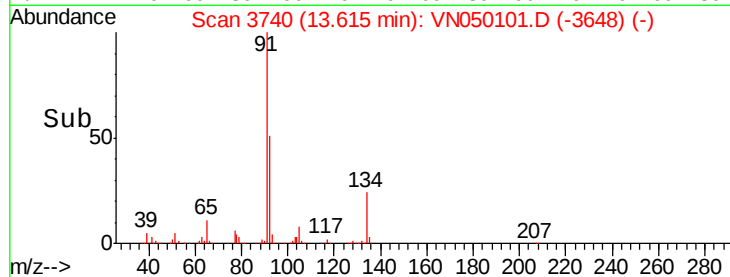
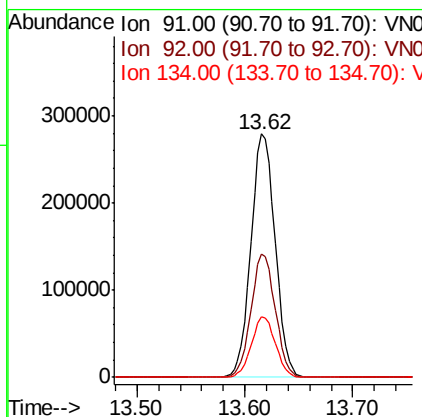
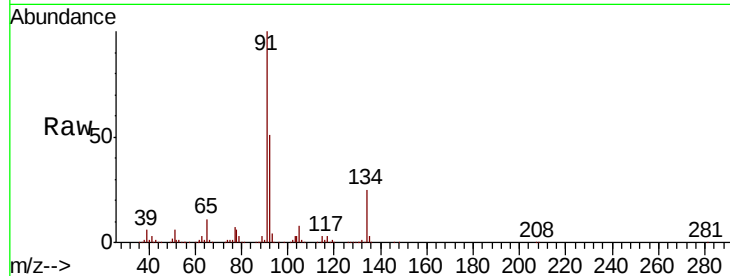
#89  
n-Butylbenzene  
Concen: 20.34 ug/l  
RT: 13.62 min Scan# 3740  
Delta R.T. -0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0726WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 50.4  | 25.8  | 77.4  |
| 134     | 24.6  | 12.8  | 38.4  |

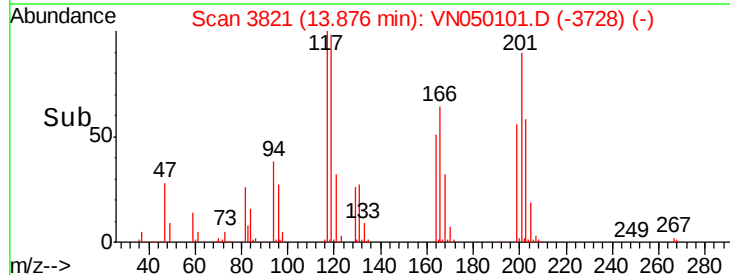
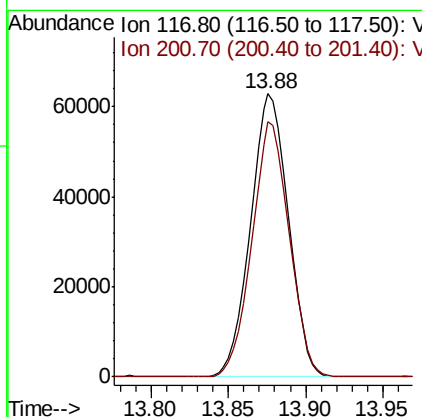
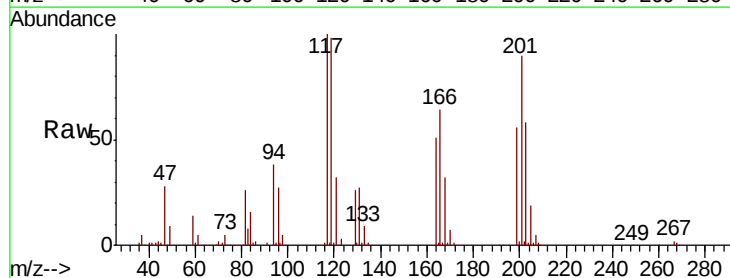
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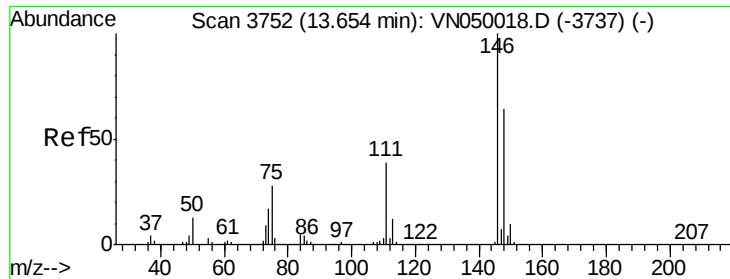
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#90  
Hexachloroethane  
Concen: 18.54 ug/l  
RT: 13.88 min Scan# 3821  
Delta R.T. 0.00 min  
Lab File: VN050101.D  
Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 88.5  | 45.6  | 136.8 |





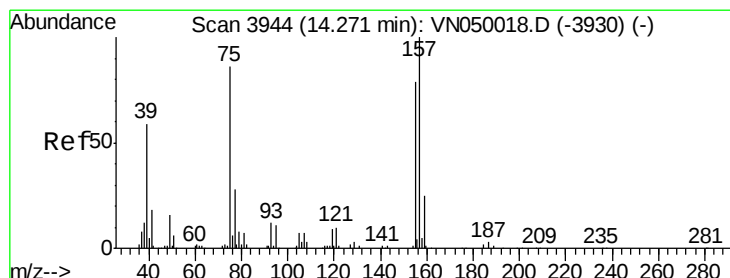
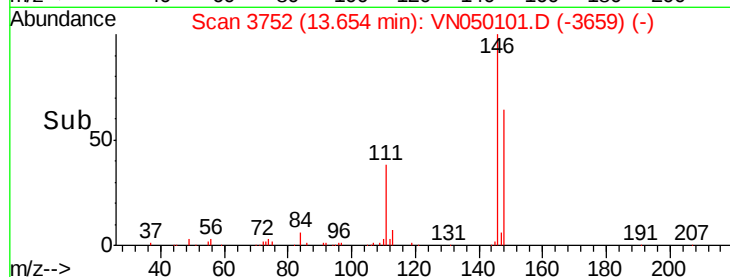
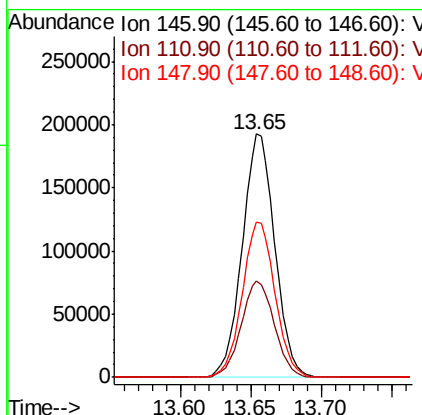
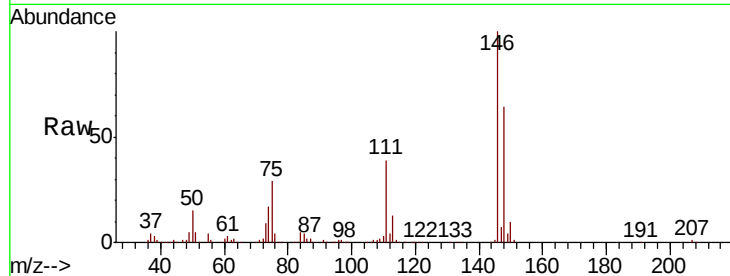
#91  
 1,2-Dichlorobenzene  
 Concen: 19.70 ug/l  
 RT: 13.65 min Scan# 3752  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0726WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.0  | 19.6  | 58.7  |
| 148     | 64.2  | 32.1  | 96.3  |

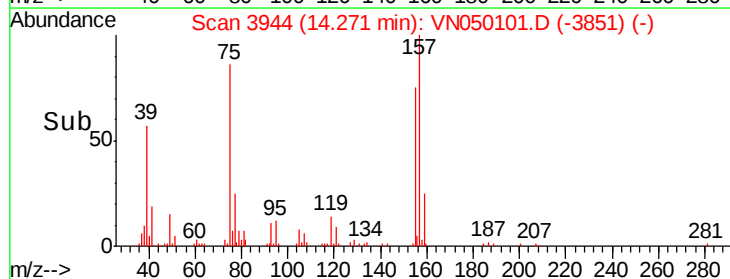
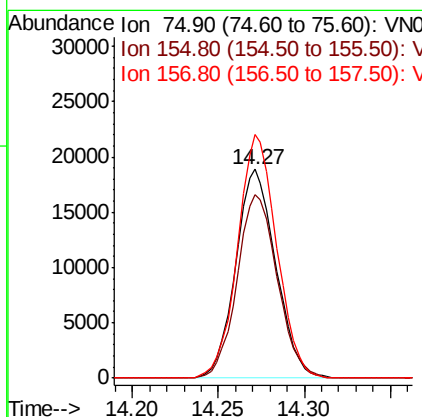
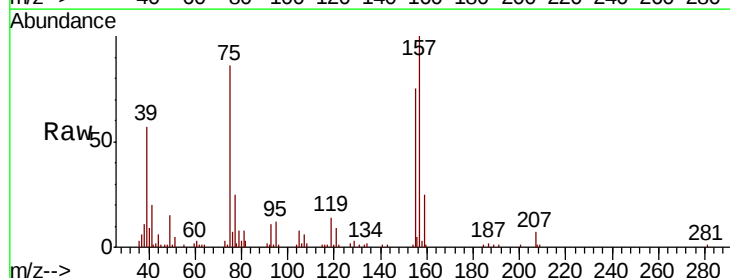
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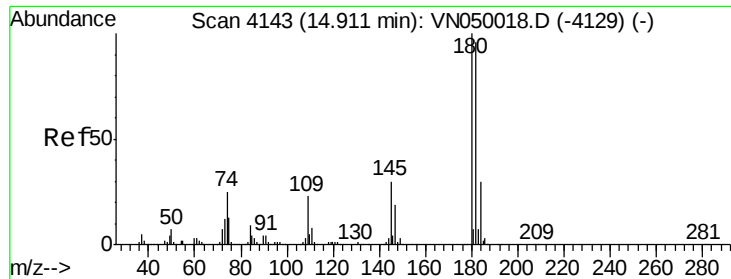
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.87 ug/l  
 RT: 14.27 min Scan# 3944  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 88.5  | 44.8  | 134.4 |
| 157     | 113.5 | 57.2  | 171.6 |





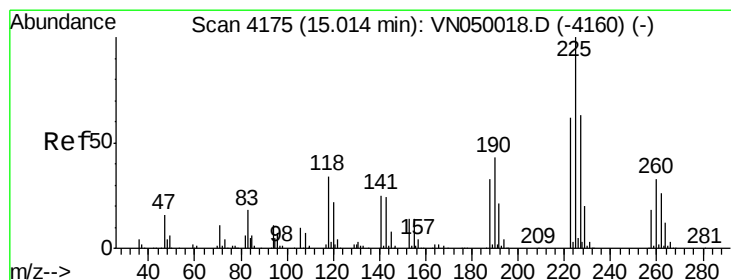
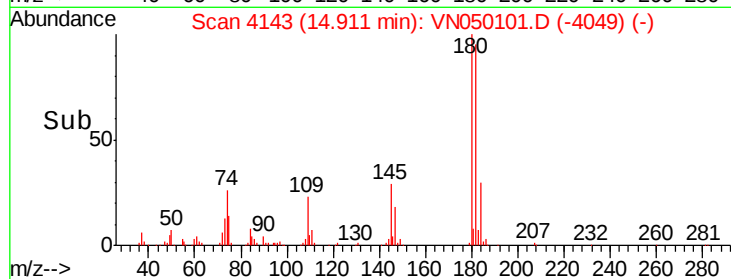
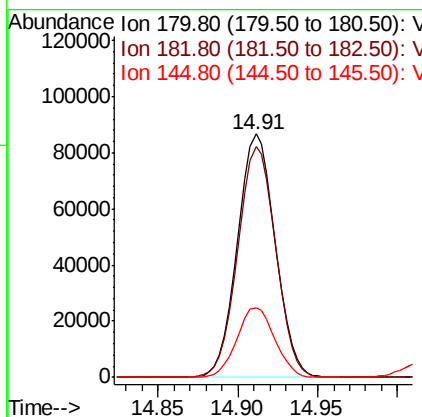
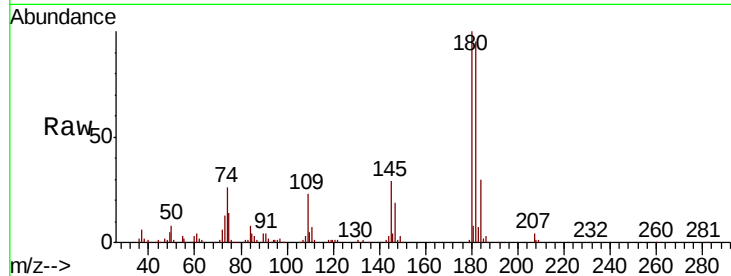
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.64 ug/l  
 RT: 14.91 min Scan# 4143  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0726WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 139232 |       |       |
| 182     | 95.1  | 46.7   | 140.1 |       |
| 145     | 28.7  | 13.8   | 41.4  |       |

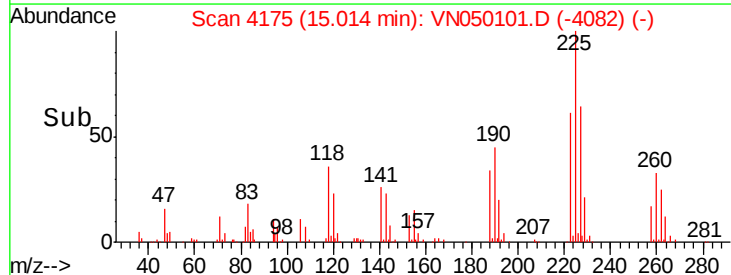
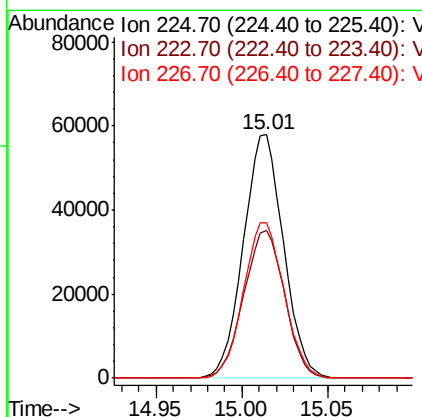
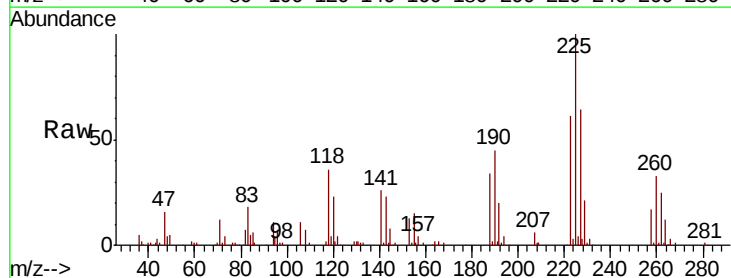
Manual Integrations  
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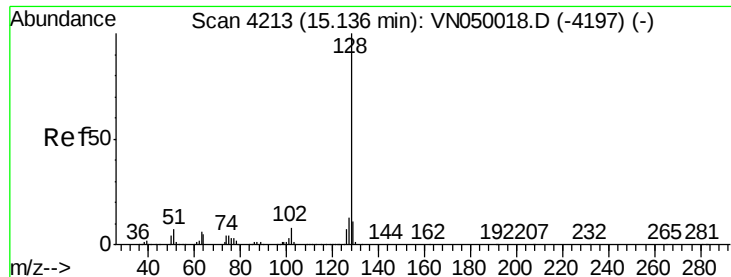
MMDadoda  
 7/27/2018 12:16:30 PM



#94  
 Hexachlorobutadiene  
 Concen: 19.37 ug/l  
 RT: 15.01 min Scan# 4175  
 Delta R.T. 0.00 min  
 Lab File: VN050101.D  
 Acq: 26 Jul 2018 23:56

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 93860 |       |       |
| 223     | 61.8  | 31.4  | 94.2  |       |
| 227     | 64.3  | 32.1  | 96.5  |       |





#95

Naphthalene

Concen: 18.66 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

Instrument :

MSVOA\_N

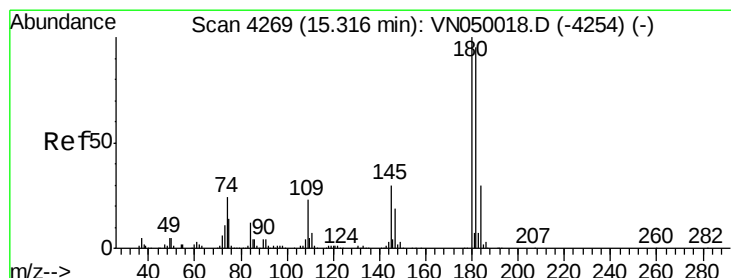
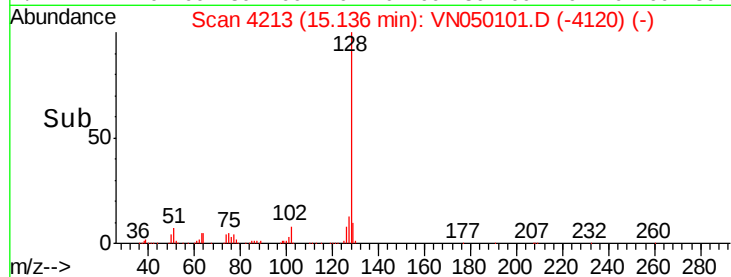
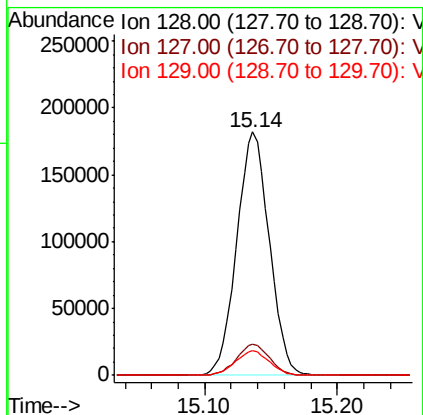
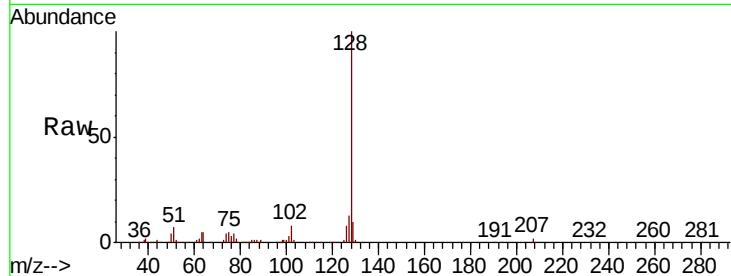
ClientSampleId :

VN0726WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 310044 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.0  | 10.4  | 15.6   |
| 129       | 10.6  | 8.8   | 13.2   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 19.37 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050101.D

Acq: 26 Jul 2018 23:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 146881 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.3  | 48.1  | 144.4  |
| 145       | 31.0  | 15.3  | 45.9   |

