

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN121818\  
 Data File : VN052978.D  
 Acq On : 18 Dec 2018 23:45  
 Operator : MD\SY  
 Sample : VN1218WBSD01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 31 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 12/19/2018 12:07:43 PM

Quant Time: Dec 19 04:57:31 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1053484  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1645088  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1452262  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 678052   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 574213   | 53.71 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.42% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 413188   | 54.98 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.96% |      |
| 50) Toluene-d8            | 10.09  | 98  | 2080362  | 51.57 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.14% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 725916   | 51.26 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.52% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 210390  | 19.733  | ug/l | 99     |
| 3) Chloromethane              | 2.06 | 50  | 264141  | 20.444  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.19 | 62  | 266896  | 20.397  | ug/l | 100    |
| 5) Bromomethane               | 2.58 | 94  | 173504  | 19.138  | ug/l | 100    |
| 6) Chloroethane               | 2.71 | 64  | 156574  | 20.204  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 332337  | 20.388  | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 128453  | 20.888  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 204213  | 19.649  | ug/l | 97     |
| 10) Methyl Iodide             | 3.96 | 142 | 299148  | 20.496  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.78 | 59  | 71801   | 110.071 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 207120  | 20.627  | ug/l | 97     |
| 13) Acrolein                  | 3.61 | 56  | 71331   | 120.597 | ug/l | 99     |
| 14) Allyl chloride            | 4.33 | 41  | 308328  | 19.824  | ug/l | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 378480  | 104.439 | ug/l | 99     |
| 16) Acetone                   | 3.82 | 43  | 239473  | 114.245 | ug/l | 97     |
| 17) Carbon Disulfide          | 4.06 | 76  | 607375  | 18.548  | ug/l | 99     |
| 18) Methyl Acetate            | 4.33 | 43  | 192266  | 20.800  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 571333  | 21.262  | ug/l | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 233501  | 20.421  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 219324  | 20.330  | ug/l | 97     |
| 22) Diisopropyl ether         | 5.95 | 45  | 696292  | 20.973  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.90 | 43  | 2043598 | 107.049 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 408962  | 20.730  | ug/l | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 396119  | 112.603 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 254239  | 16.882  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 250593  | 20.518  | ug/l | 97     |
| 28) Bromochloromethane        | 7.20 | 49  | 184698  | 21.606  | ug/l | 96     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 286820  | 109.166 | ug/l | 99     |
| 30) Chloroform                | 7.37 | 83  | 397787  | 20.526  | ug/l | 99     |
| 31) Cyclohexane               | 7.66 | 56  | 383554  | 20.102  | ug/l | 95     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 334733  | 20.276  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 307474  | 19.473  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 186957  | 21.210  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 284709  | 19.672  | ug/l | 97     |

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 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 31 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN1218WBSD01

Manual Integrations  
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 12/19/2018 12:07:43 PM

Quant Time: Dec 19 04:57:31 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 362944   | 18.921  | ug/l   | 95       |
| 40) Benzene                    | 8.04  | 78   | 940692   | 20.029  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.18  | 41   | 117553   | 23.081  | ug/l   | 92       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 280703   | 20.231  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 362984   | 20.666  | ug/l   | 100      |
| 44) Trichloroethene            | 8.84  | 130  | 264037   | 19.436  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 248891   | 20.345  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 143423   | 20.125  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 300850   | 19.860  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 175371   | 20.503  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 42915    | 396.630 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 918884   | 107.643 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 580751   | 19.949  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 301658   | 18.937  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 351282   | 19.212  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 206834   | 20.366  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 280046   | 20.833  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 353794   | 20.314  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 785901   | 106.492 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 623872   | 108.019 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 226997   | 19.526  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 209757   | 20.336  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 300192   | 19.083  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 642791   | 19.967  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 220717   | 19.716  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1107678  | 20.008  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 838929   | 39.861  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 414648   | 20.531  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 671677   | 20.396  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 154943   | 19.159  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 1082441  | 20.404  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 313498   | 21.284  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 226300   | 21.743  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 211346m  | 18.516  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 277693   | 20.137  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 1215780  | 20.122  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 727868   | 19.435  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 871553   | 20.155  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 66596    | 18.805  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 736237   | 20.082  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 766106   | 20.032  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 880383   | 20.253  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1014561  | 19.613  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 870981   | 19.486  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 483183   | 19.797  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 473864   | 19.172  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 699254   | 18.184  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 126218   | 18.401  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 465227   | 20.253  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 35975    | 19.991  | ug/l   | 97       |

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Sample : VN1218WBSD01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 31 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Tue Dec 18 13:03:37 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 236600   | 19.805 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 138149   | 20.213 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 519490   | 20.186 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 215159   | 19.941 | ug/l  | 99       |

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

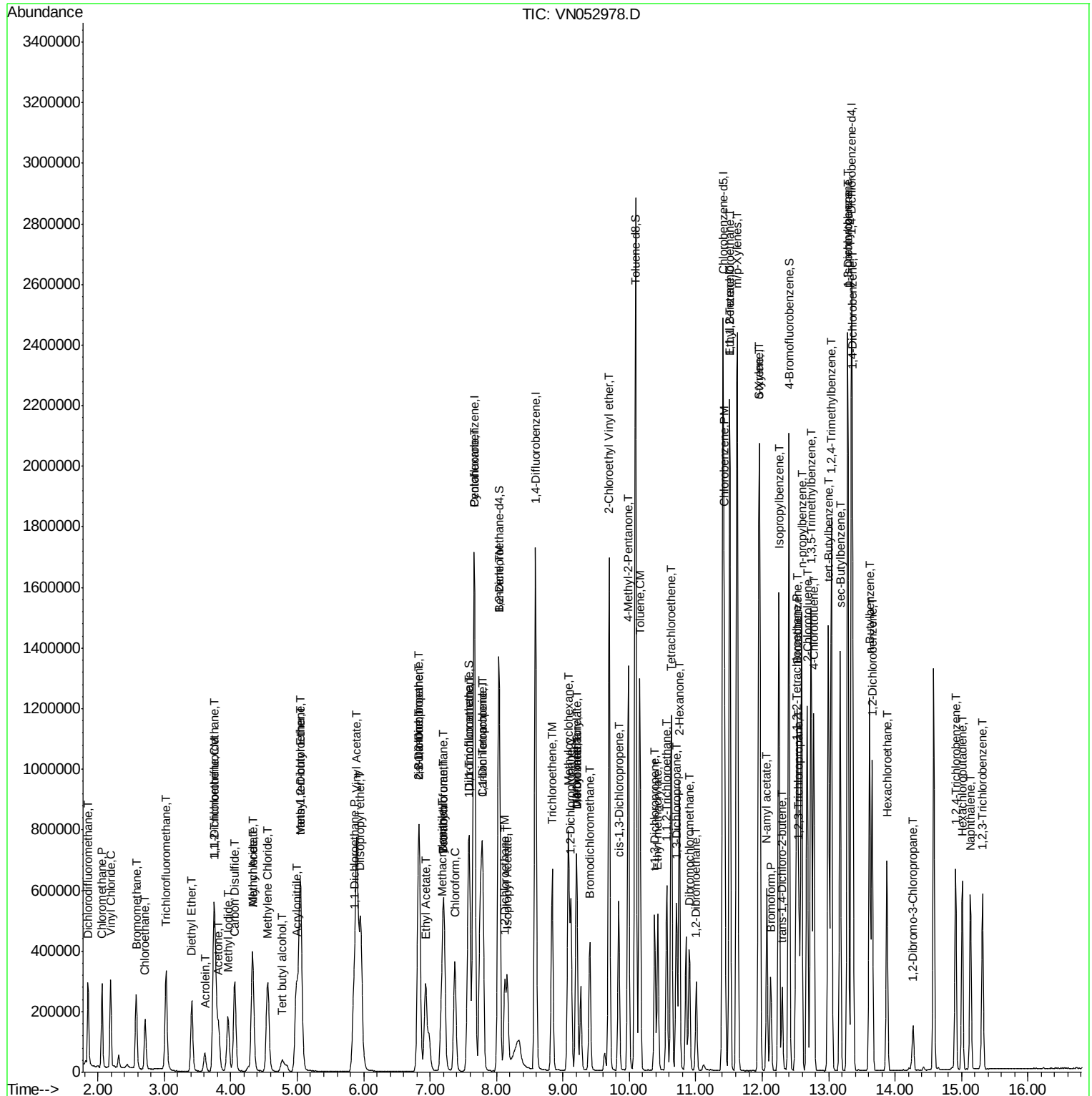
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Data File : VN052978.D  
Acq On : 18 Dec 2018 23:45  
Operator : MD\SY  
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ALS Vial : 31 Sample Multiplier: 28

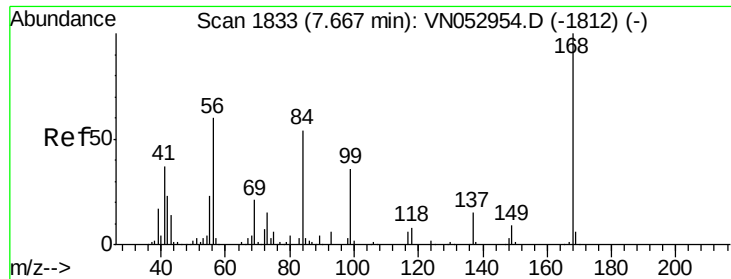
Instrument :  
MSVOA\_N  
Client Sample Id :  
VN1218WBSD01

Manual Integrations  
APPROVED

MMDadoda  
12/19/2018 12:07:43 PM

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Quant Title : SW846 8260  
QLast Update : Tue Dec 18 13:03:37 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBSD01

Tgt Ion:168 Resp: 1053484

Ion Ratio Lower Upper

168 100

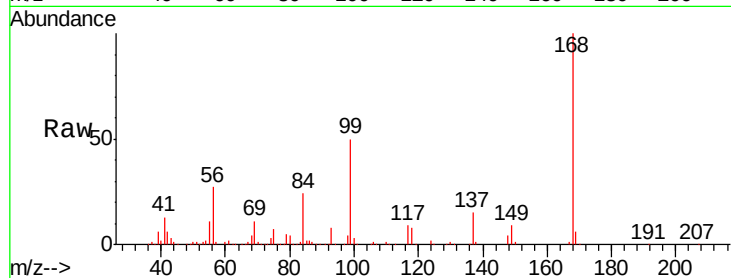
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Manual Integrations

APPROVED

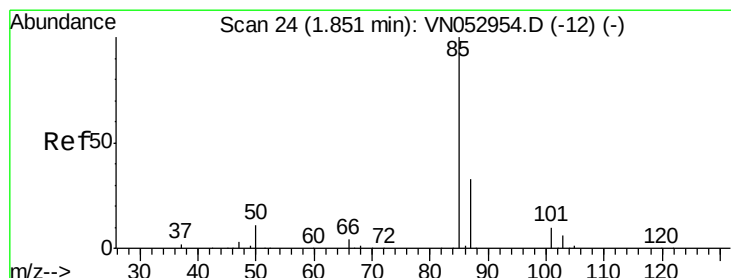
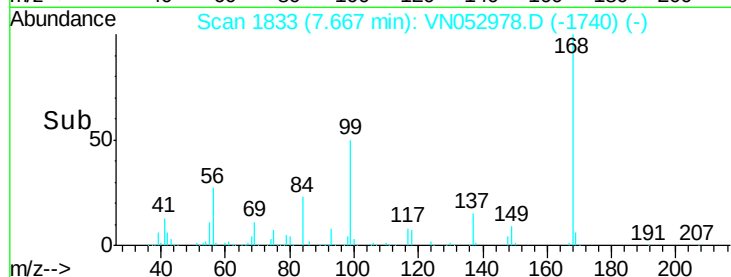
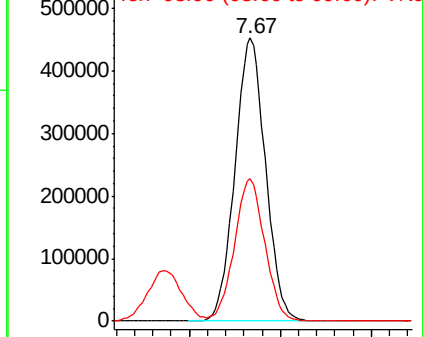
MMDadoda

12/19/2018 12:07:43 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.733 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052978.D

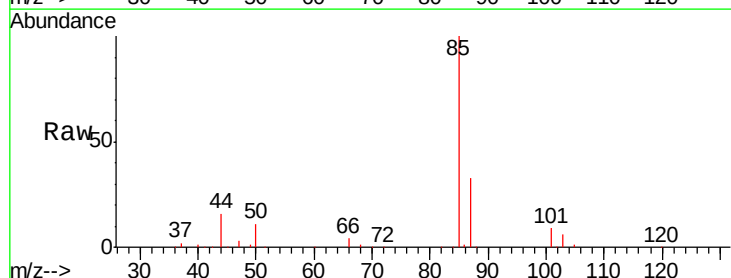
Acq: 18 Dec 2018 23:45

Tgt Ion: 85 Resp: 210390

Ion Ratio Lower Upper

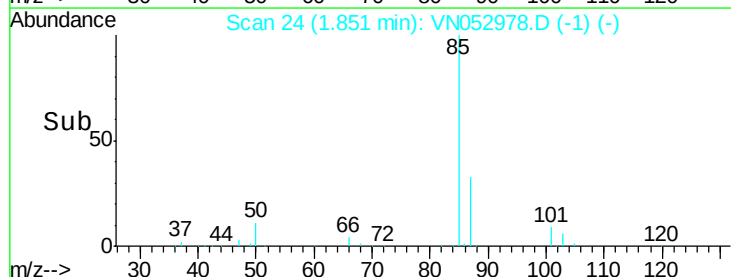
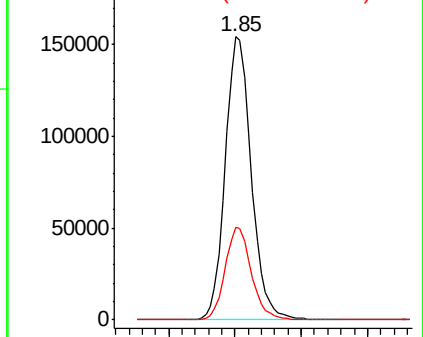
85 100

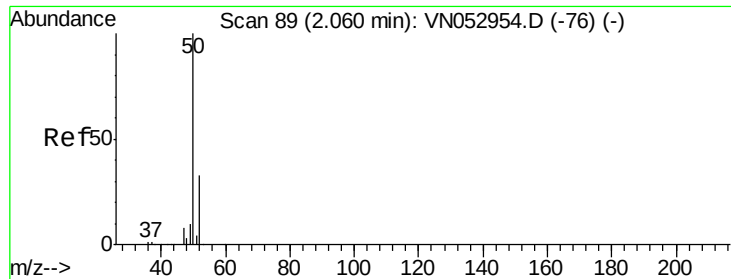
87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.444 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBSD01

Tgt Ion: 50 Resp: 264141

Ion Ratio Lower Upper

50 100

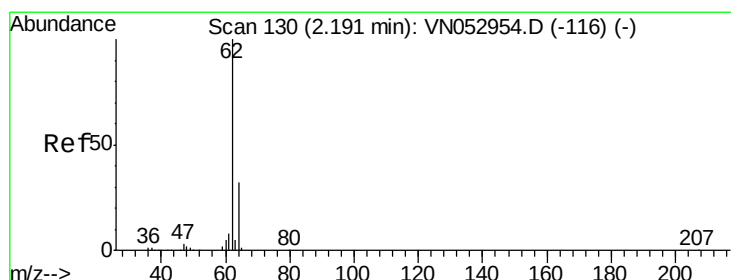
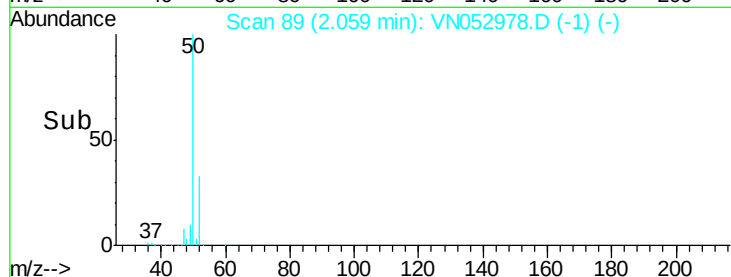
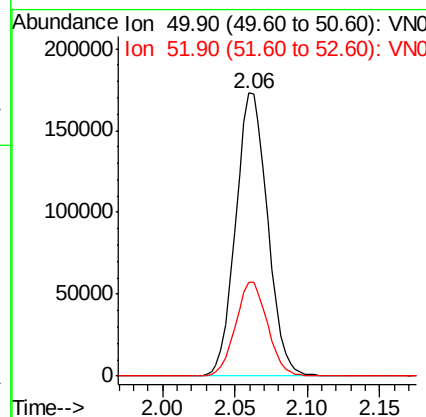
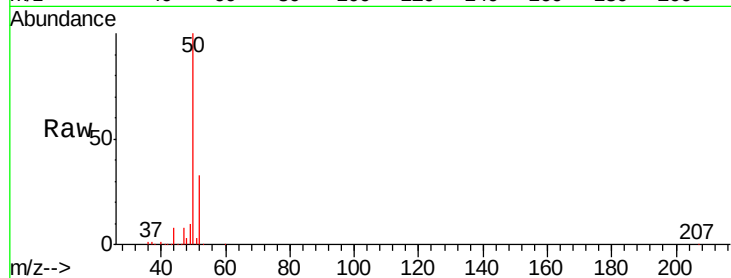
52 33.3 26.2 39.4

Manual Integrations

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12/19/2018 12:07:43 PM



#4

Vinyl Chloride

Concen: 20.397 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052978.D

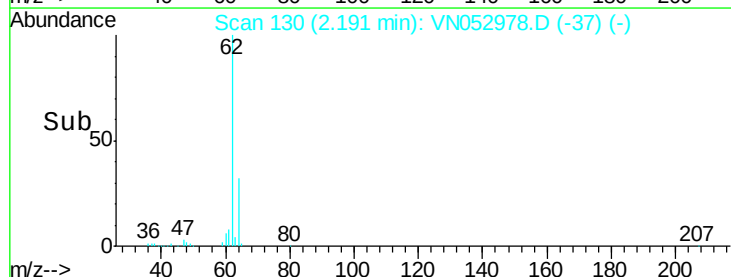
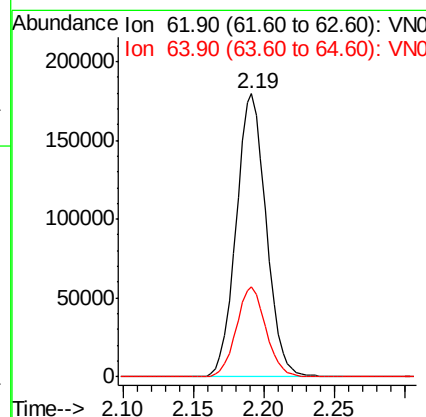
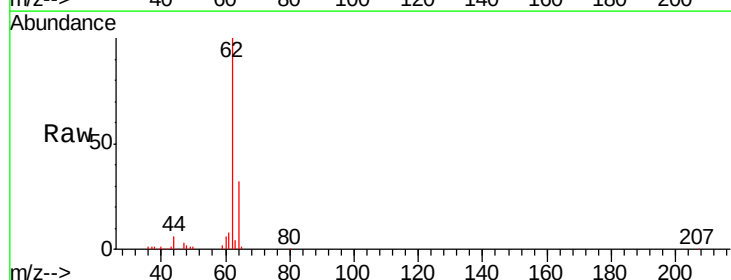
Acq: 18 Dec 2018 23:45

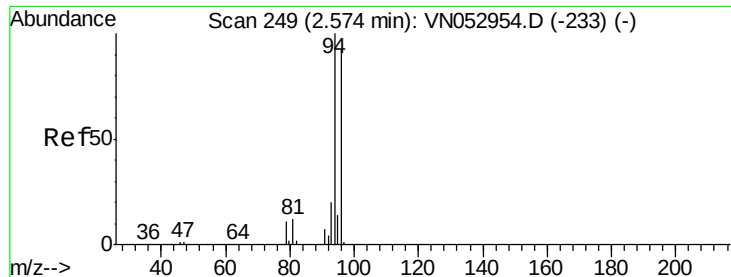
Tgt Ion: 62 Resp: 266896

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3





#5

Bromomethane

Concen: 19.138 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

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ClientSampleId :

VN1218WBSD01

Tgt Ion: 94 Resp: 173504

Ion Ratio Lower Upper

94 100

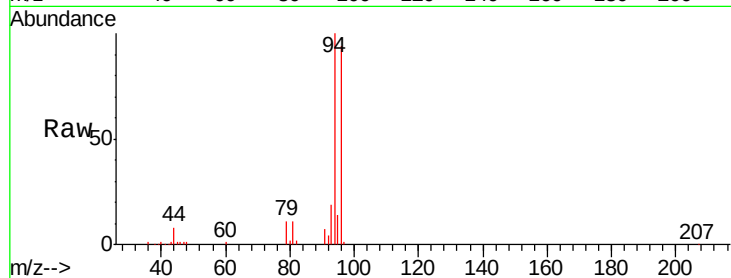
96 94.2 75.0 112.4

Manual Integrations

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12/19/2018 12:07:43 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

100000

80000

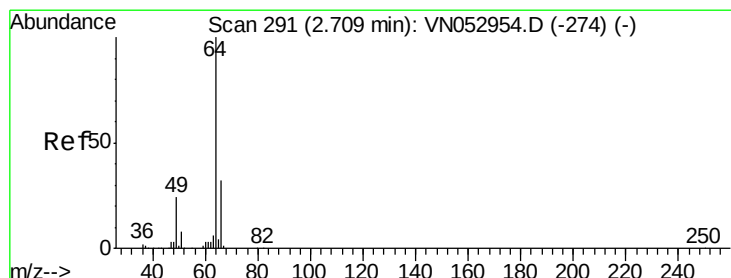
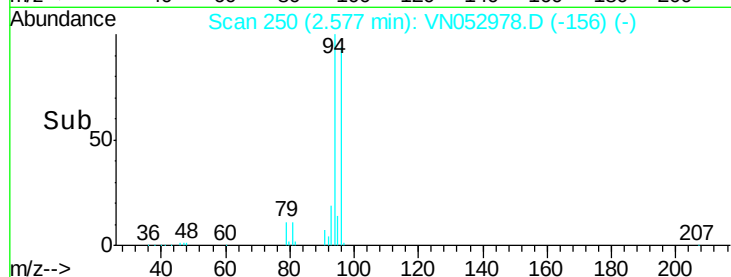
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 20.204 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052978.D

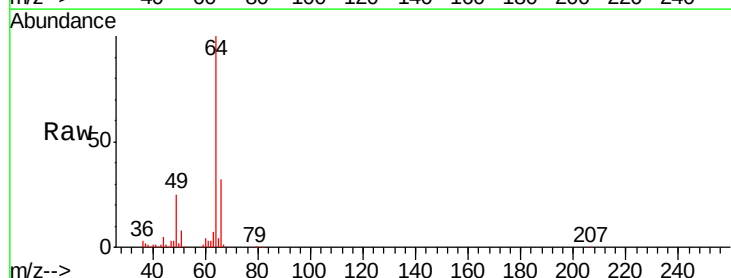
Acq: 18 Dec 2018 23:45

Tgt Ion: 64 Resp: 156574

Ion Ratio Lower Upper

64 100

66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

80000

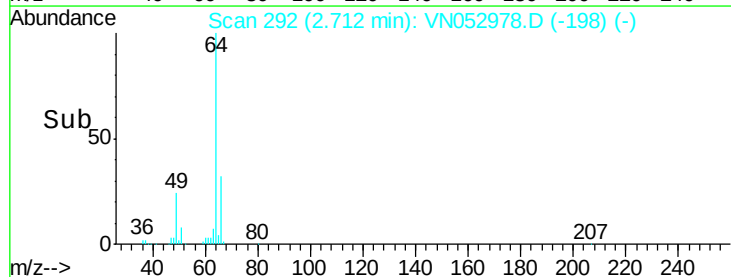
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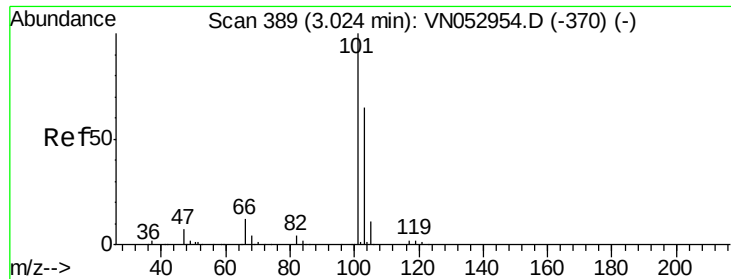
20000

0

Time-->







#7

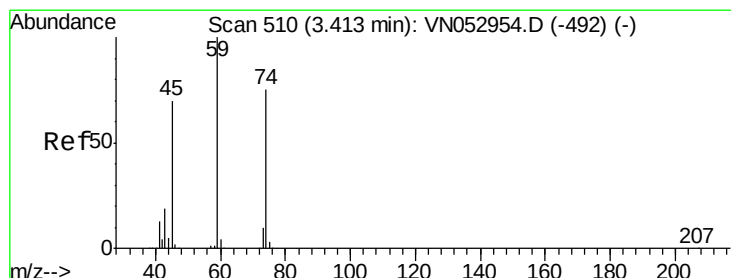
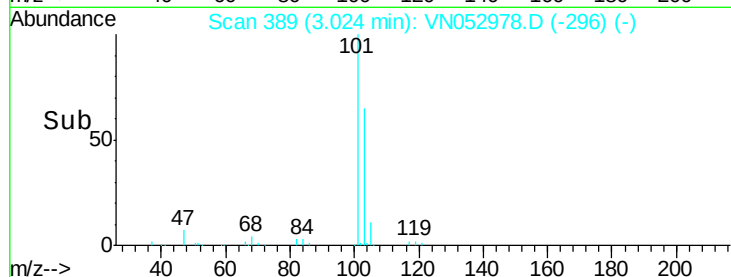
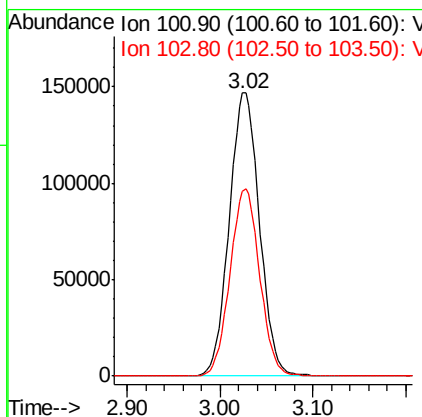
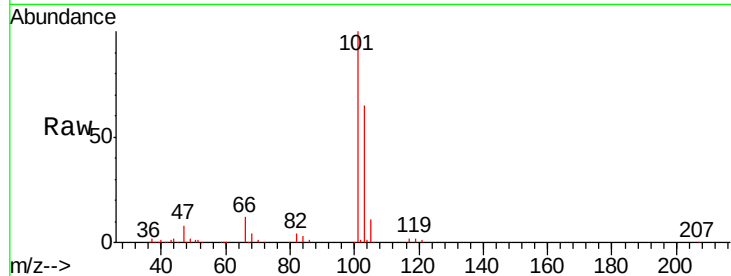
Trichlorofluoromethane  
Concen: 20.388 ug/l  
RT: 3.02 min Scan# 389  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.4  | 51.8  | 77.6  |

Manual Integrations  
APPROVED

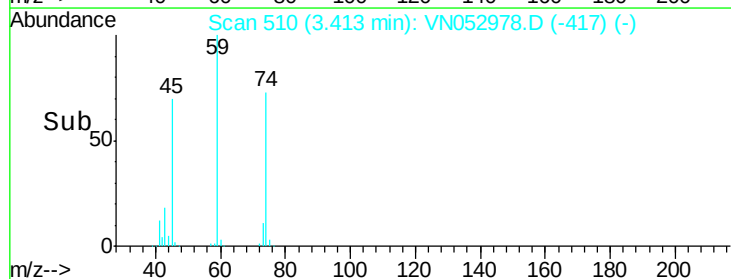
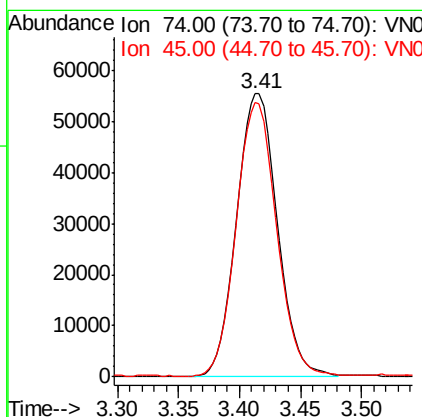
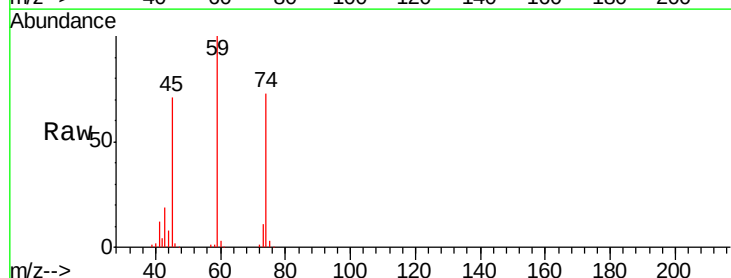
MMDadoda  
12/19/2018 12:07:43 PM



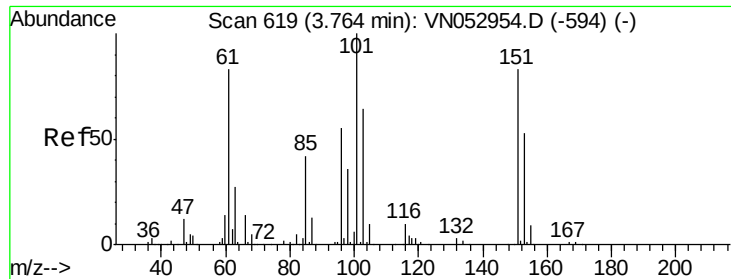
#8

Diethyl Ether  
Concen: 20.888 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 95.5  | 49.4  | 148.0 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.649 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

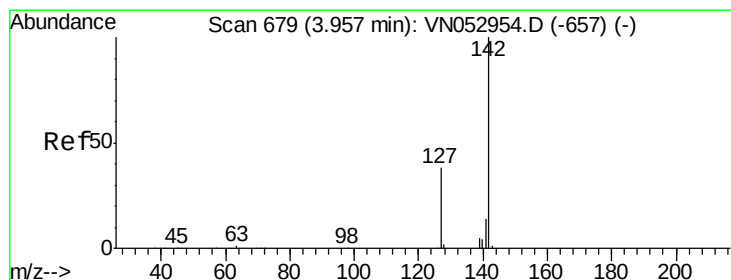
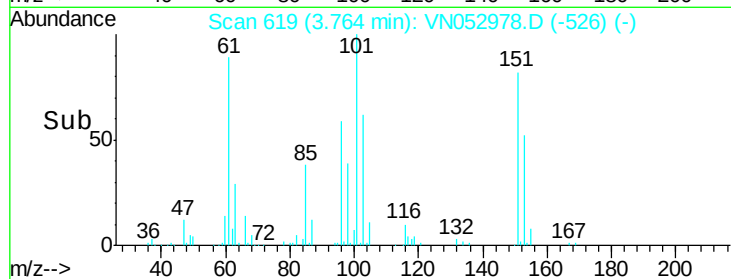
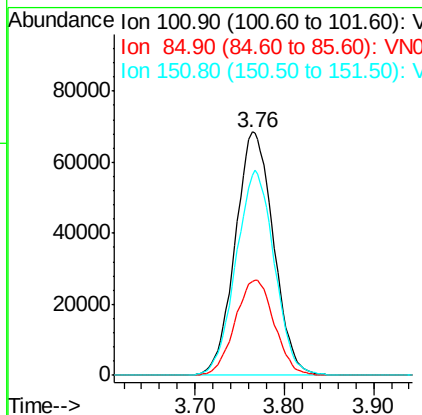
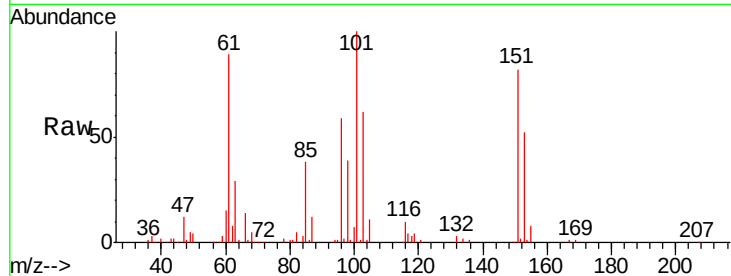
ClientSampleId :

VN1218WBSD01

|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 101   | Resp: | 204213 |
|     | Ratio | Lower | Upper |        |
| 101 | 100   |       |       |        |
| 85  | 40.1  | 33.6  | 50.4  |        |
| 151 | 84.4  | 65.5  | 98.3  |        |

Manual Integrations  
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#10

Methyl Iodide

Concen: 20.496 ug/l

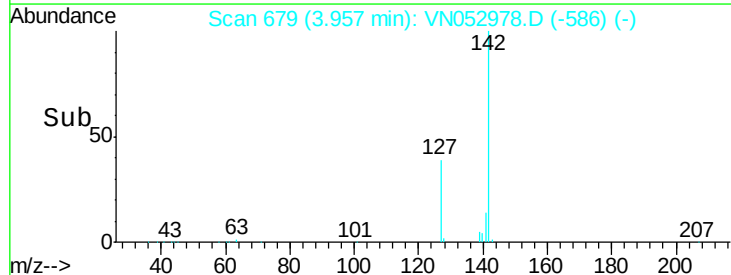
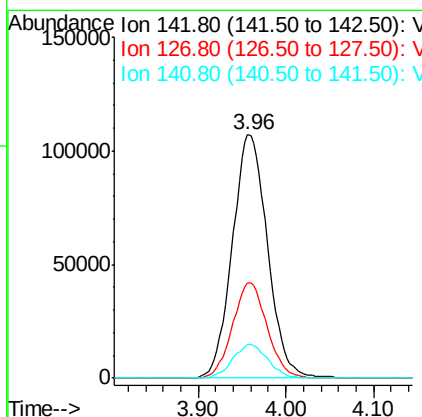
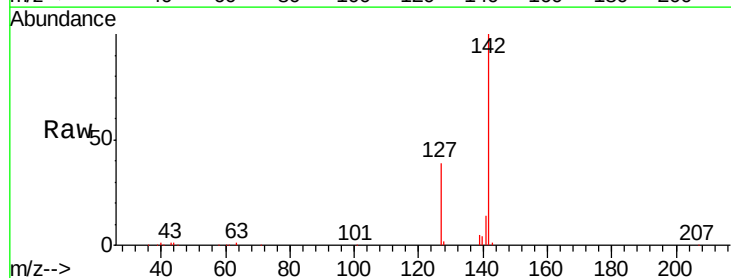
RT: 3.96 min Scan# 679

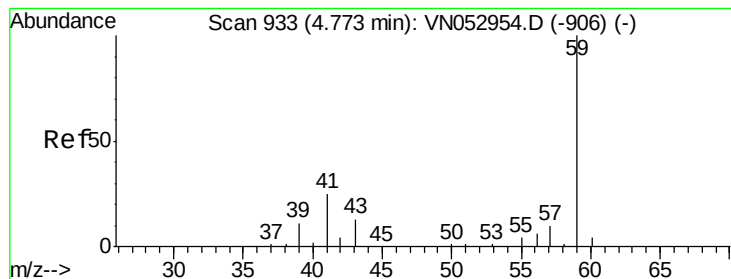
Delta R.T. -0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 142   | Resp: | 299148 |
|     | Ratio | Lower | Upper |        |
| 142 | 100   |       |       |        |
| 127 | 38.5  | 31.0  | 46.6  |        |
| 141 | 13.7  | 11.2  | 16.8  |        |





#11

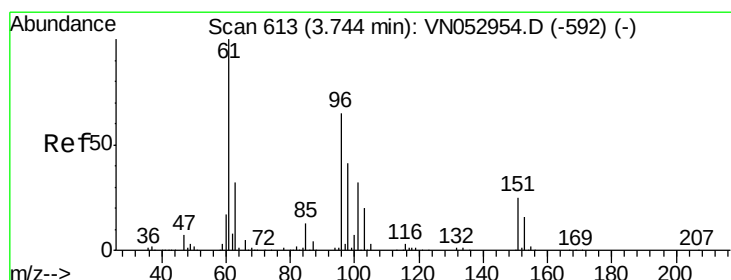
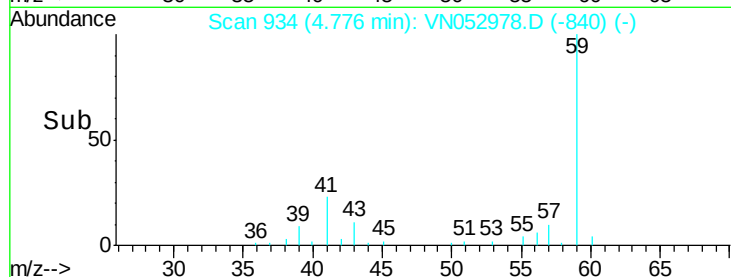
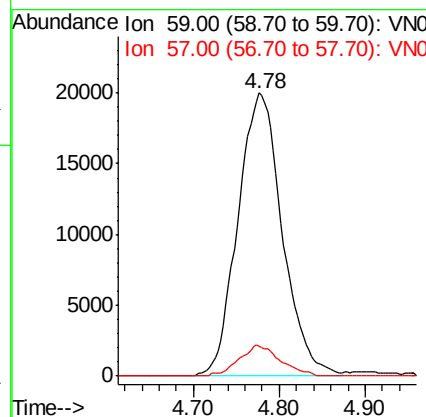
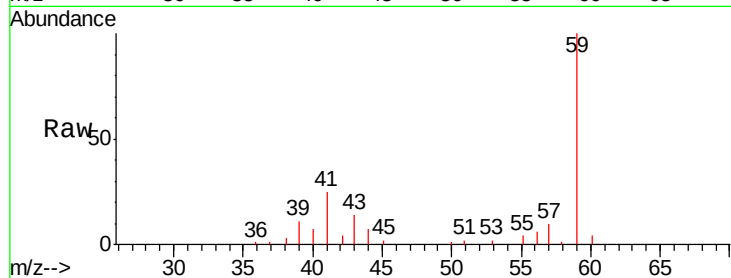
Tert butyl alcohol  
 Concen: 110.071 ug/l  
 RT: 4.78 min Scan# 934  
 Delta R.T. 0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBSD01

Tgt Ion: 59 Resp: 71801  
 Ion Ratio Lower Upper  
 59 100  
 57 10.1 7.7 11.5

Manual Integrations  
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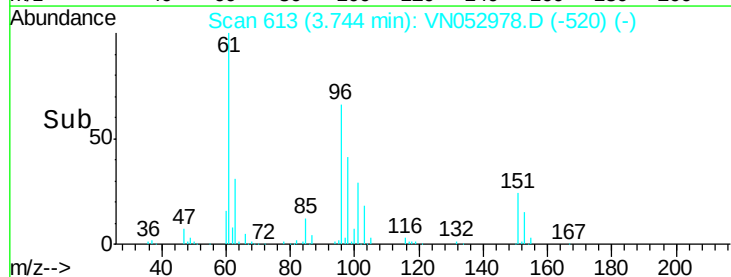
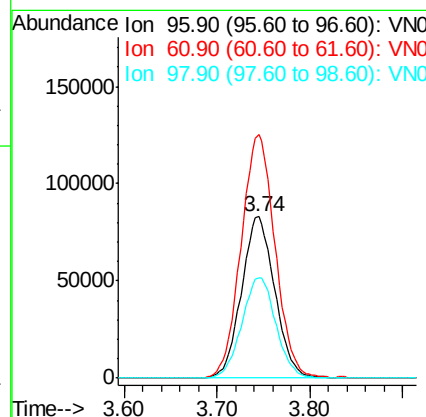
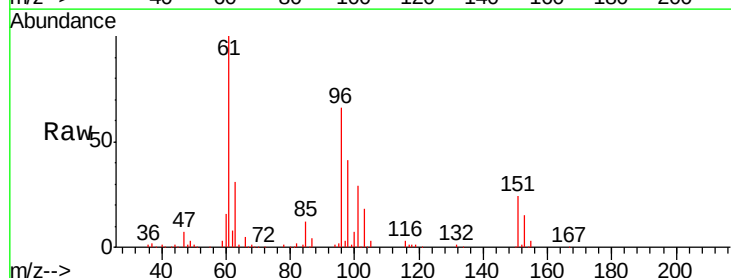
MMDadoda  
 12/19/2018 12:07:43 PM

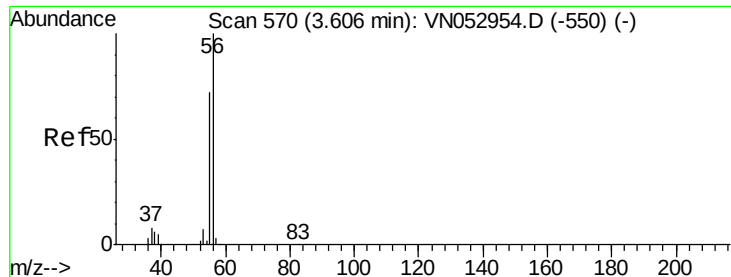


#12

1,1-Dichloroethene  
 Concen: 20.627 ug/l  
 RT: 3.74 min Scan# 613  
 Delta R.T. -0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

Tgt Ion: 96 Resp: 207120  
 Ion Ratio Lower Upper  
 96 100  
 61 151.1 125.6 188.4  
 98 62.5 50.6 75.8





#13

Acrolein

Concen: 120.597 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBSD01

Tgt Ion: 56 Resp: 71331

Ion Ratio Lower Upper

56 100

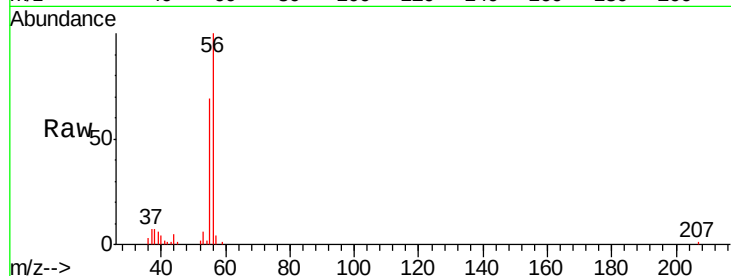
55 70.0 56.6 85.0

Manual Integrations

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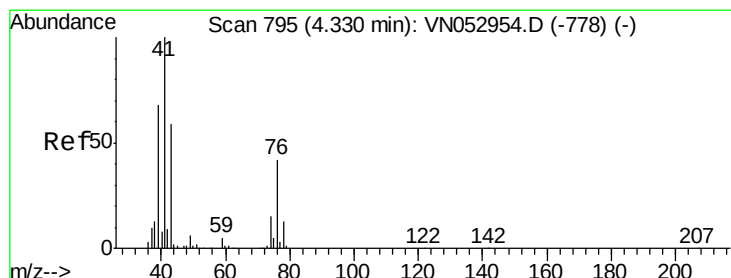
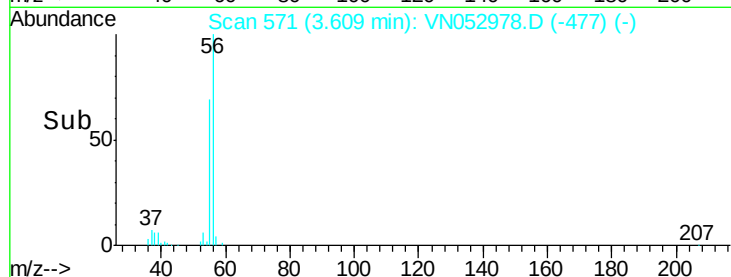
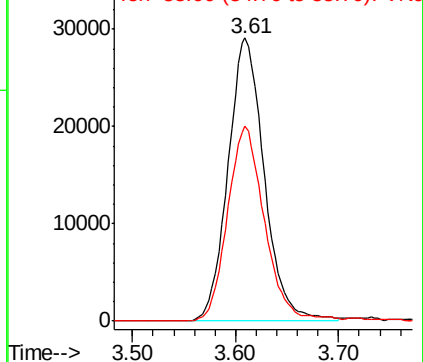
MMDadoda

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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: 19.824 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

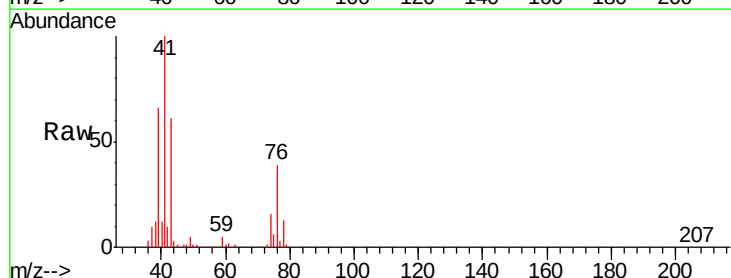
Tgt Ion: 41 Resp: 308328

Ion Ratio Lower Upper

41 100

39 66.4 54.1 81.1

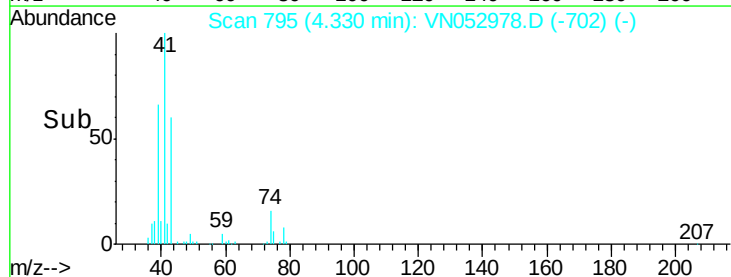
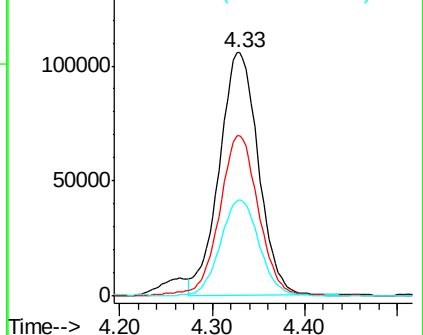
76 38.6 30.3 45.5

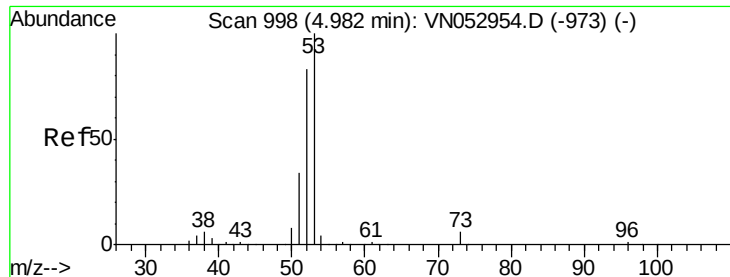


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 104.439 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

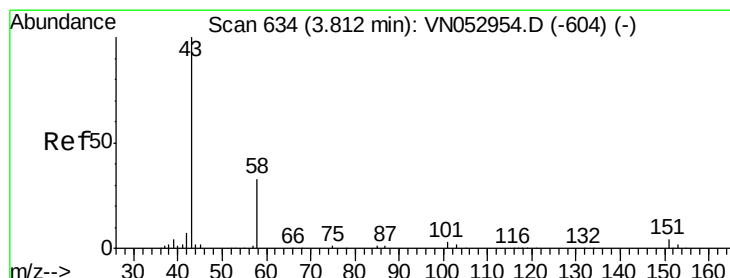
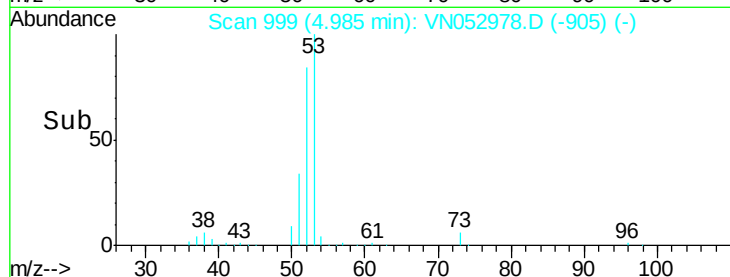
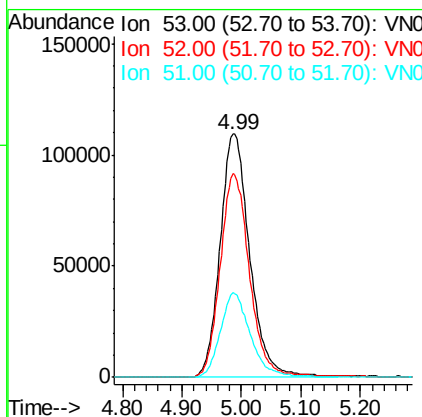
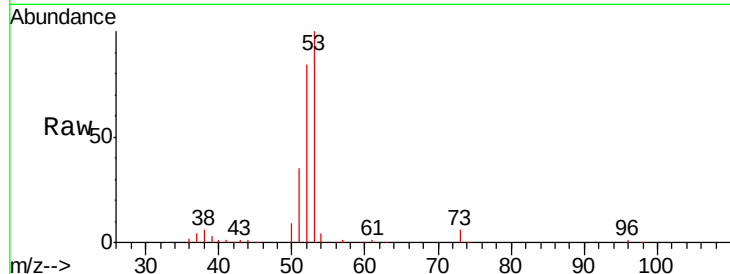
ClientSampleId :

VN1218WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 378480 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.9  | 65.1  | 97.7   |
| 51       | 35.0  | 28.1  | 42.1   |

Manual Integrations  
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#16

Acetone

Concen: 114.245 ug/l

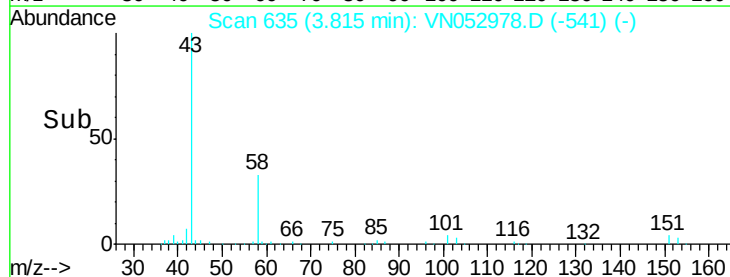
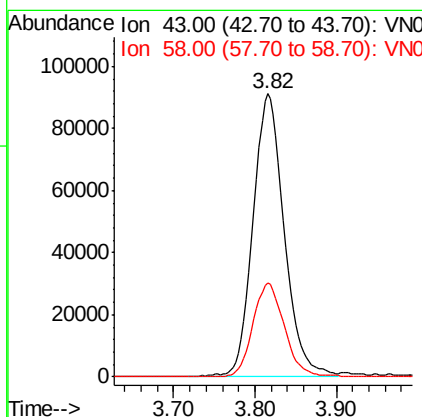
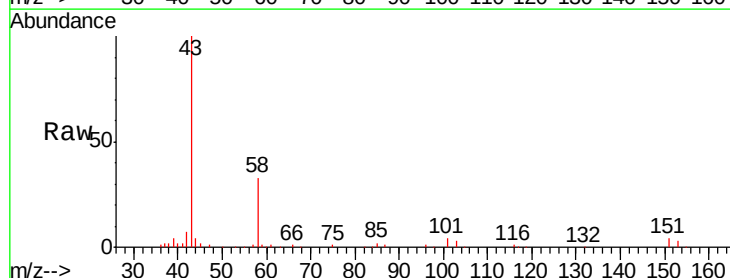
RT: 3.82 min Scan# 635

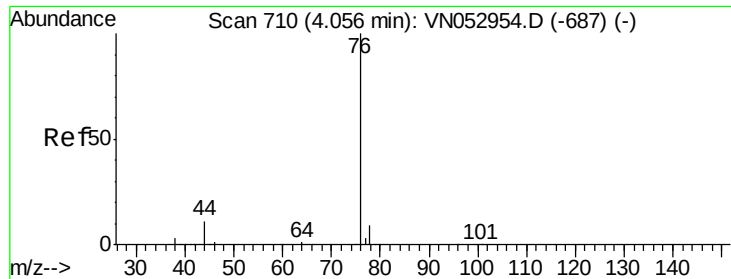
Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 239473 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 33.3  | 25.4  | 38.0   |





#17

Carbon Disulfide

Concen: 18.548 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBSD01

Tgt Ion: 76 Resp: 607375

Ion Ratio Lower Upper

76 100

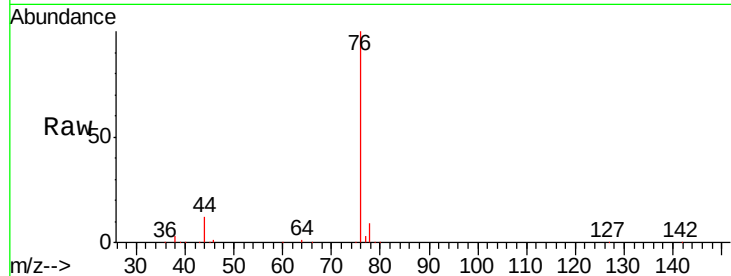
78 9.1 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

250000

200000

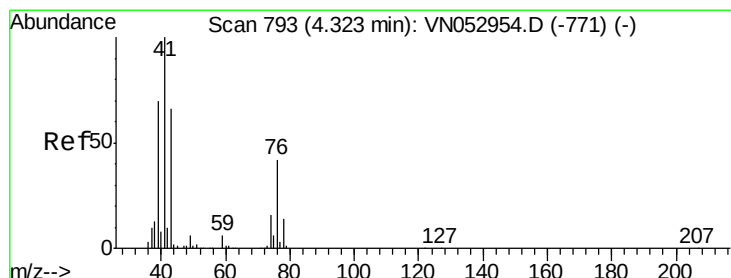
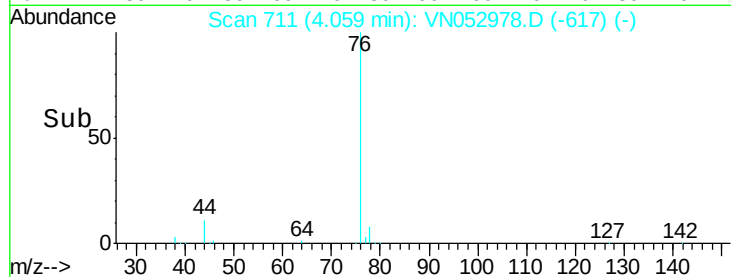
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 20.800 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052978.D

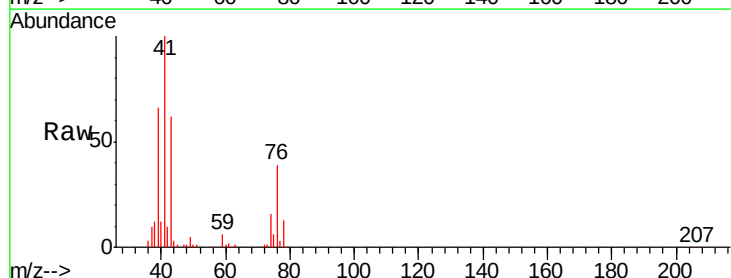
Acq: 18 Dec 2018 23:45

Tgt Ion: 43 Resp: 192266

Ion Ratio Lower Upper

43 100

74 24.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

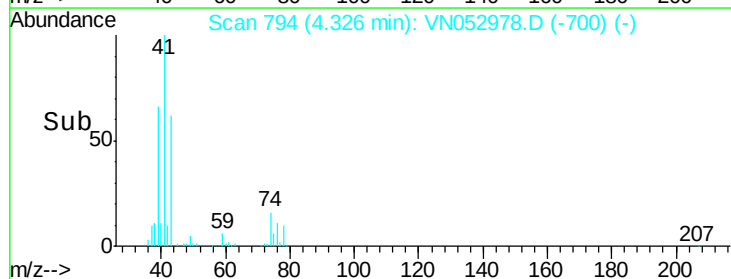
60000

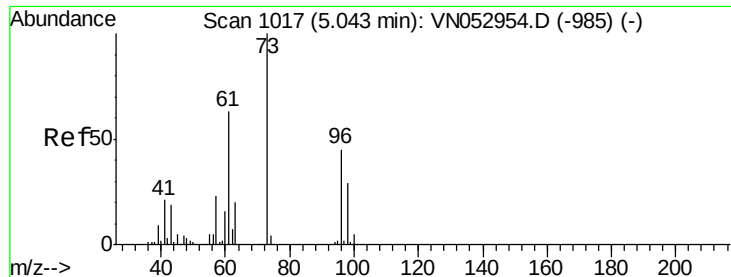
40000

20000

0

Time--> 4.20 4.30 4.40





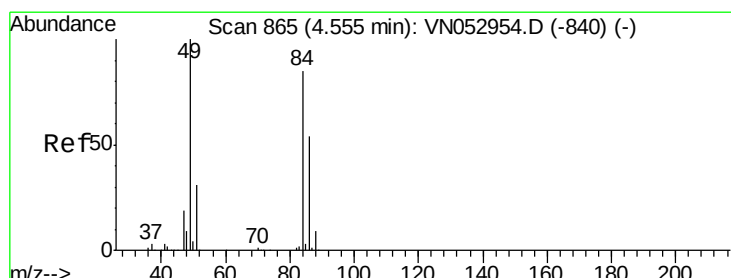
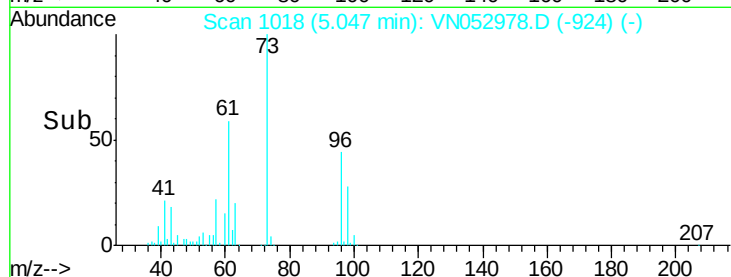
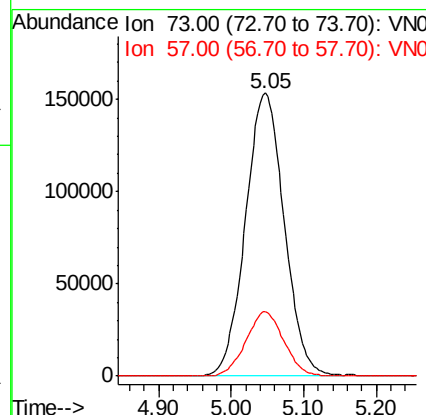
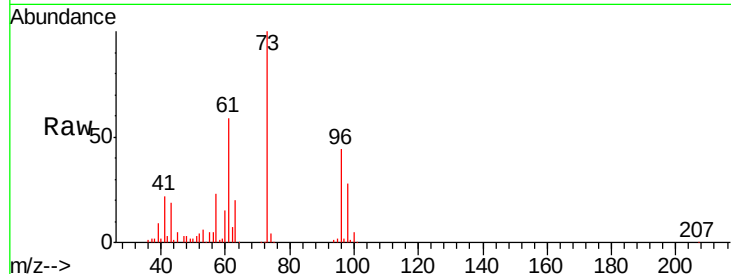
#19  
Methyl tert-butyl Ether  
Concen: 21.262 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

Tgt Ion: 73 Resp: 571333  
Ion Ratio Lower Upper  
73 100  
57 22.7 18.4 27.6

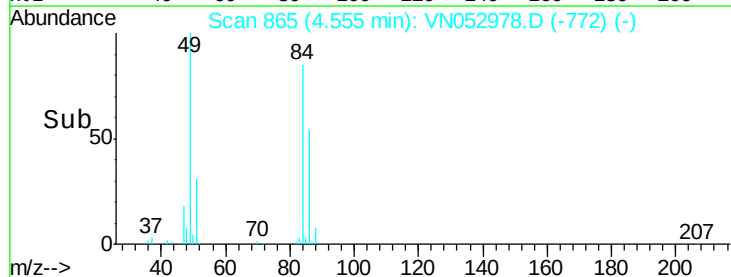
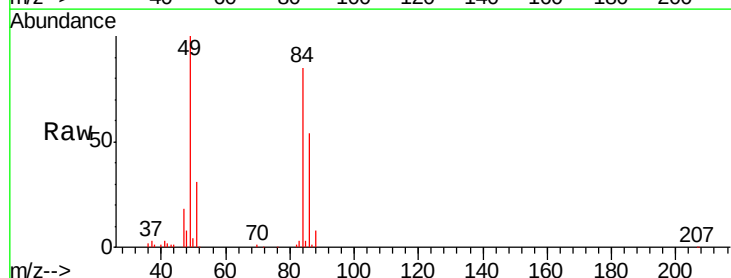
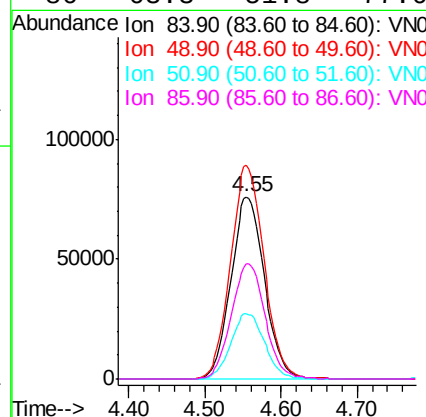
Manual Integrations  
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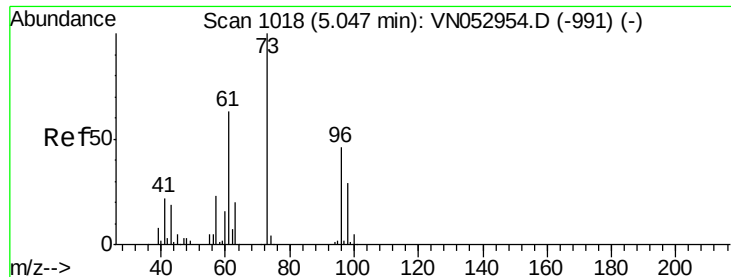
MMDadoda  
12/19/2018 12:07:43 PM



#20  
Methylene Chloride  
Concen: 20.421 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Tgt Ion: 84 Resp: 233501  
Ion Ratio Lower Upper  
84 100  
49 117.1 96.8 145.2  
51 35.8 29.9 44.9  
86 63.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.330 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

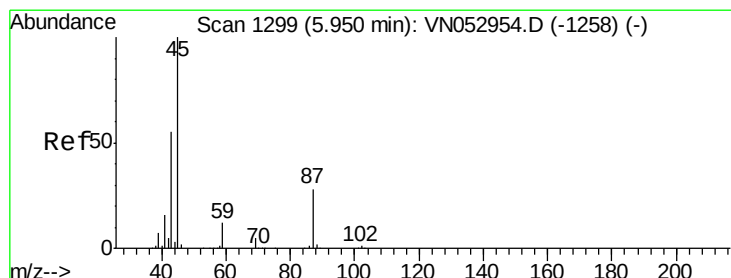
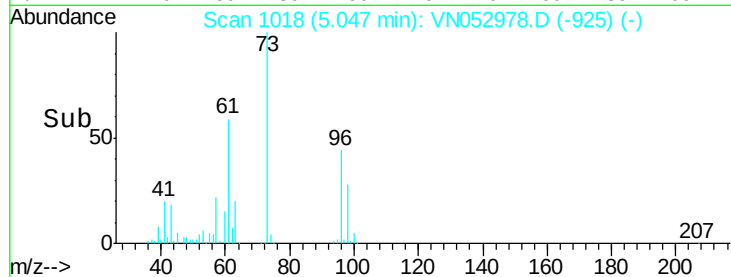
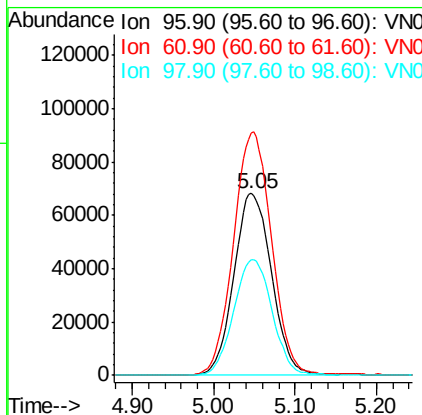
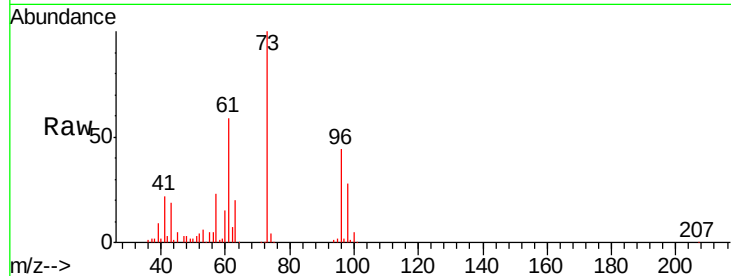
ClientSampleId :

VN1218WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 219324 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 133.2 | 110.8 | 166.2  |
| 98       | 63.6  | 51.4  | 77.2   |

Manual Integrations  
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12/19/2018 12:07:43 PM



#22

Diisopropyl ether

Concen: 20.973 ug/l

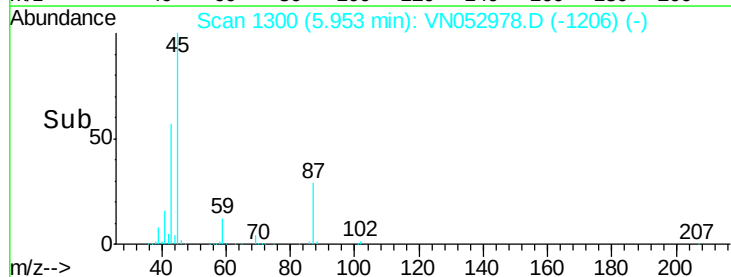
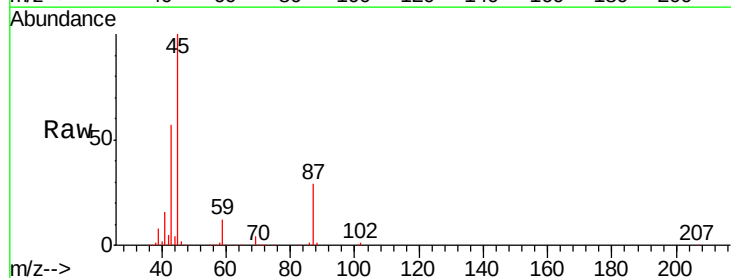
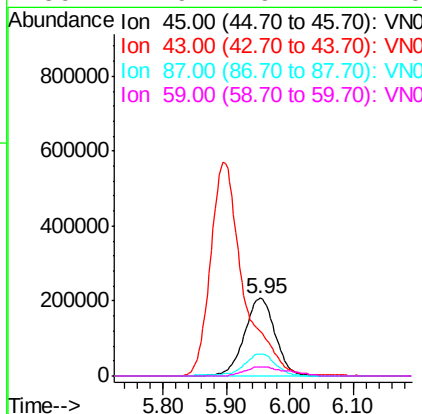
RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

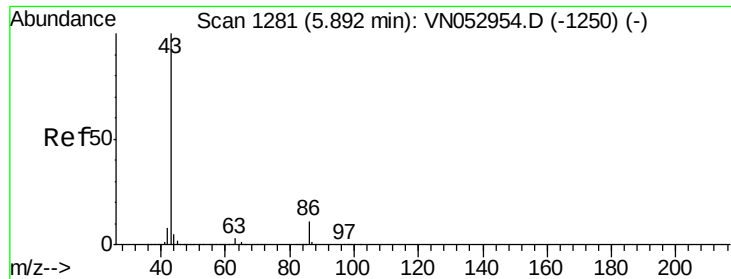
Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 696292 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 56.4  | 45.5  | 68.3   |
| 87       | 28.4  | 22.0  | 33.0   |
| 59       | 11.9  | 9.4   | 14.0   |







#23

Vinyl Acetate

Concen: 107.049 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBSD01

Tgt Ion: 43 Resp: 2043598

Ion Ratio Lower Upper

43 100

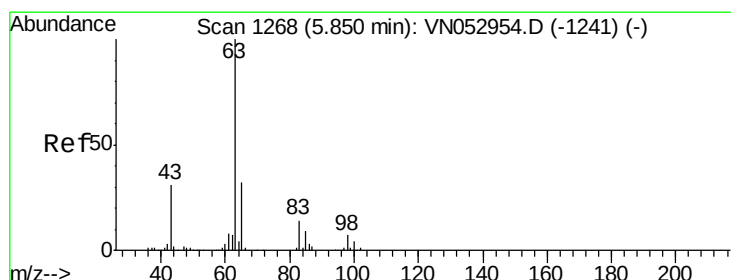
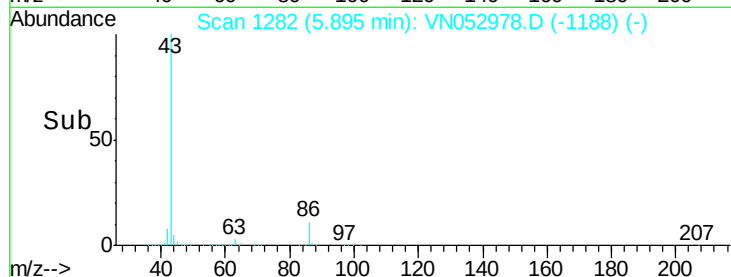
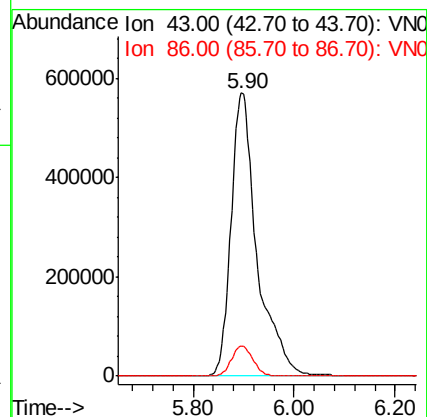
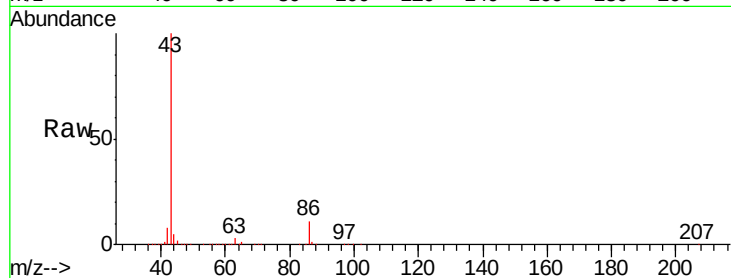
86 10.7 8.1 12.1

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#24

1,1-Dichloroethane

Concen: 20.730 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

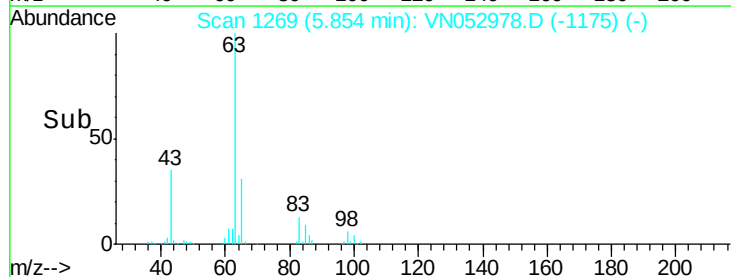
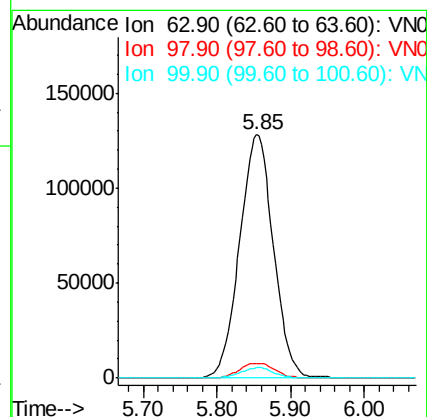
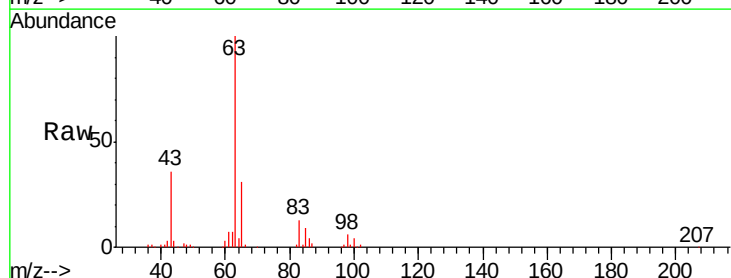
Tgt Ion: 63 Resp: 408962

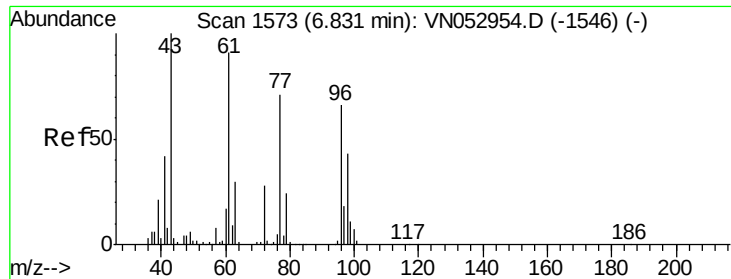
Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.4

100 4.1 2.0 5.8





#25

2-Butanone

Concen: 112.603 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBSD01

Tgt Ion: 43 Resp: 396119

Ion Ratio Lower Upper

43 100

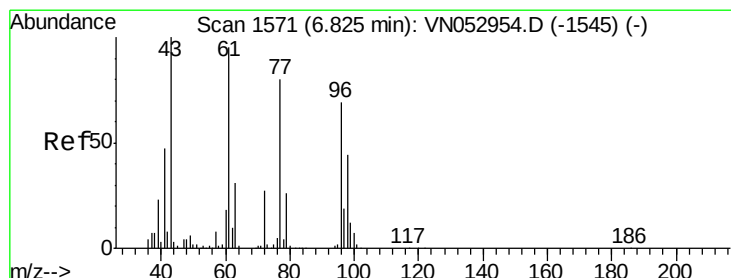
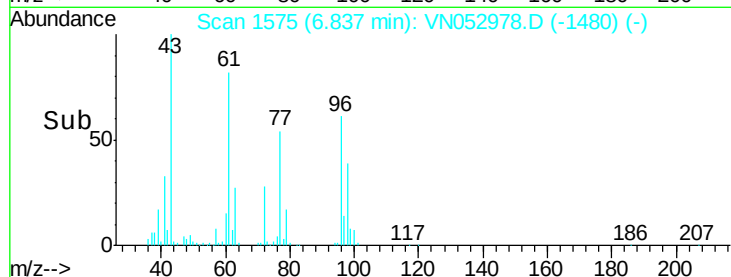
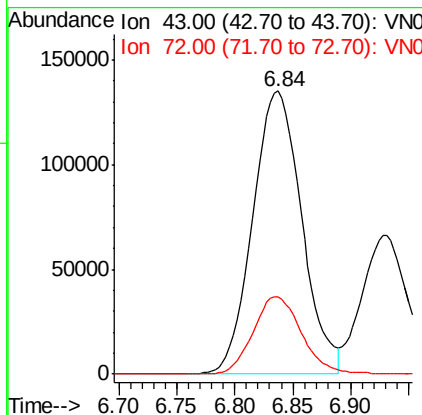
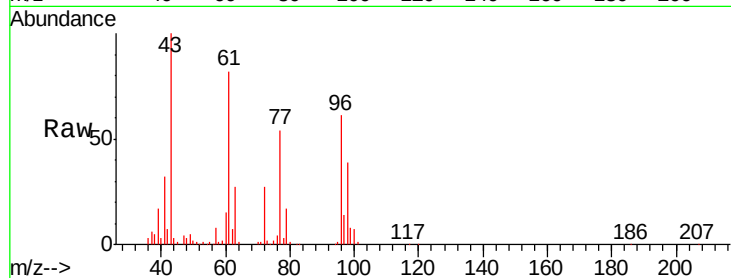
72 27.6 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.882 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN052978.D

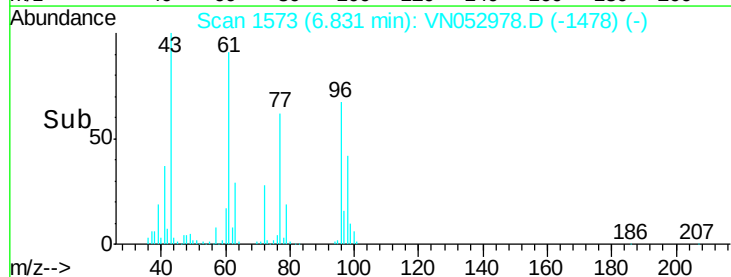
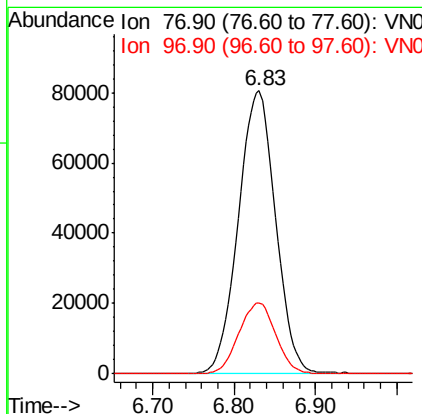
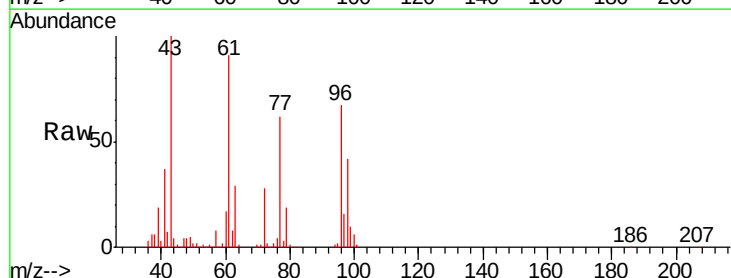
Acq: 18 Dec 2018 23:45

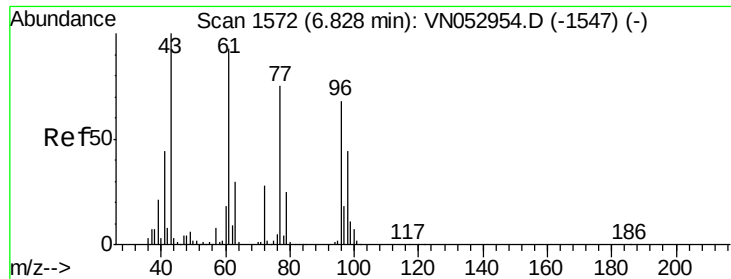
Tgt Ion: 77 Resp: 254239

Ion Ratio Lower Upper

77 100

97 24.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.518 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052978.D

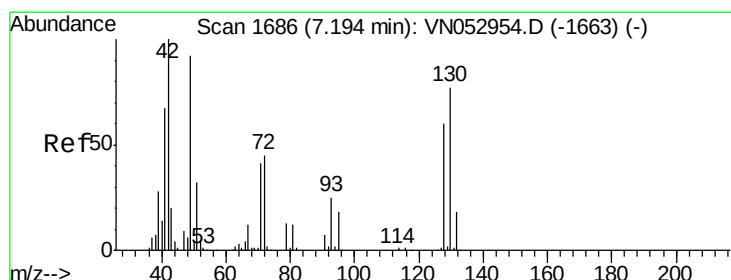
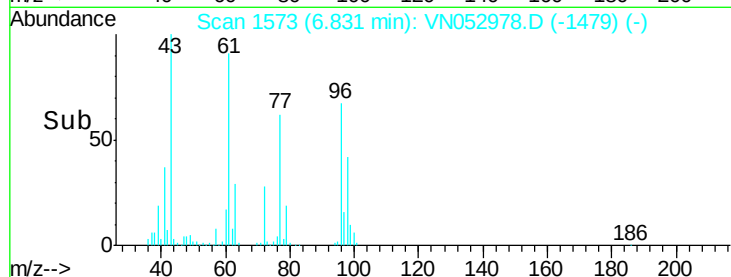
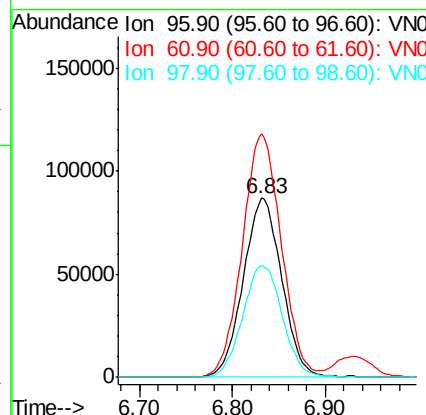
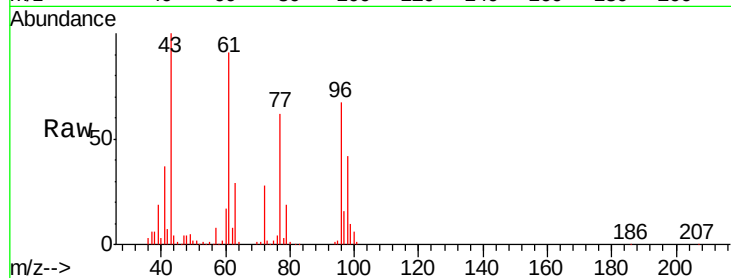
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 250593 |       |       |
| 61      | 137.7 | 0.0    | 284.2 |       |
| 98      | 64.5  | 0.0    | 129.2 |       |

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#28

Bromochloromethane

Concen: 21.606 ug/l

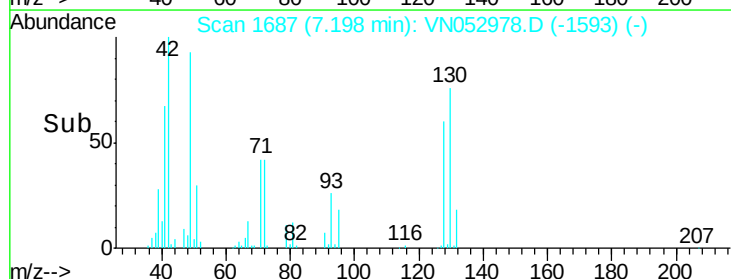
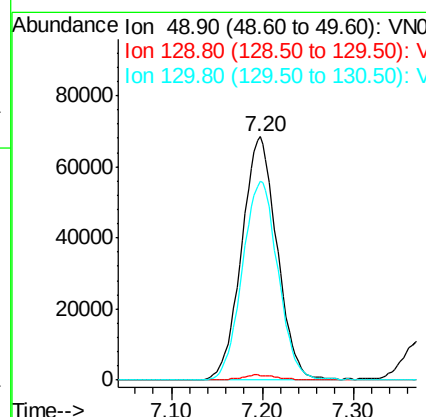
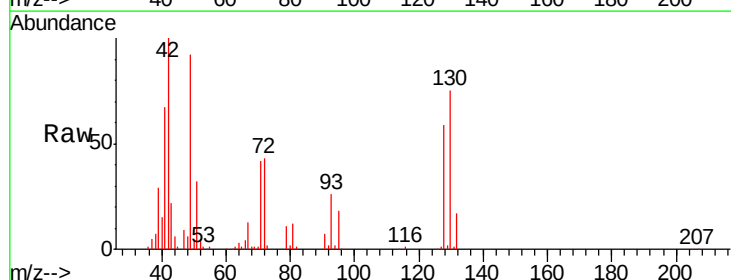
RT: 7.20 min Scan# 1687

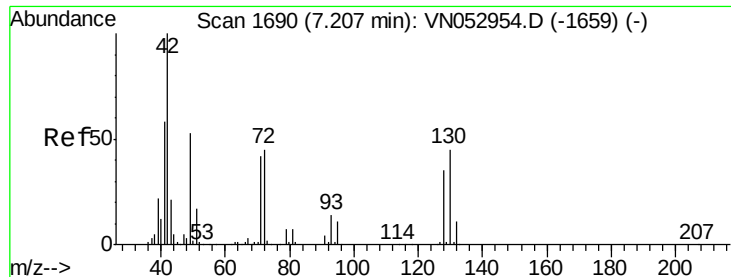
Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 184698 |       |       |
| 129     | 1.9   | 0.0    | 4.0   |       |
| 130     | 82.3  | 63.3   | 94.9  |       |





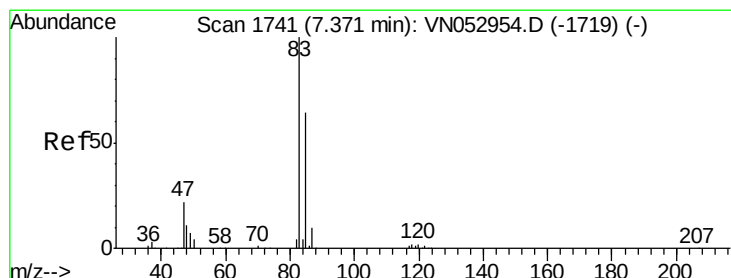
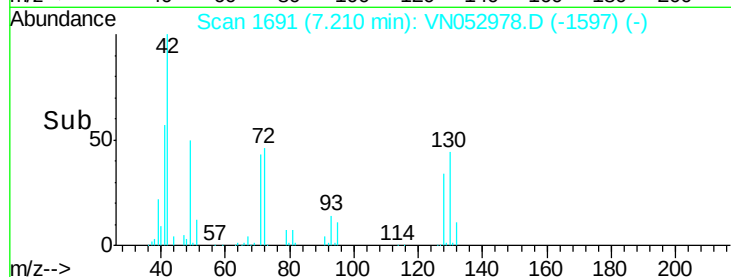
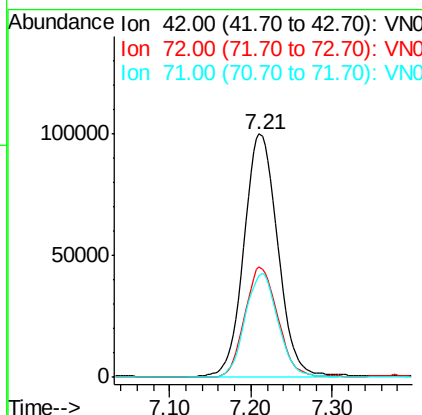
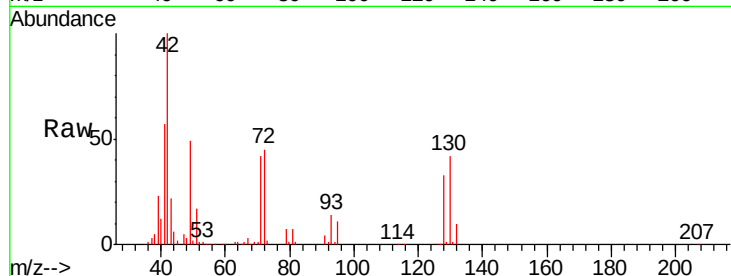
#29  
Tetrahydrofuran  
Concen: 109.166 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.8  | 34.7  | 52.1  |
| 71      | 41.3  | 32.3  | 48.5  |

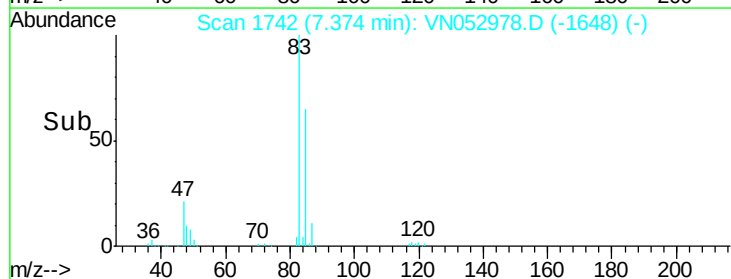
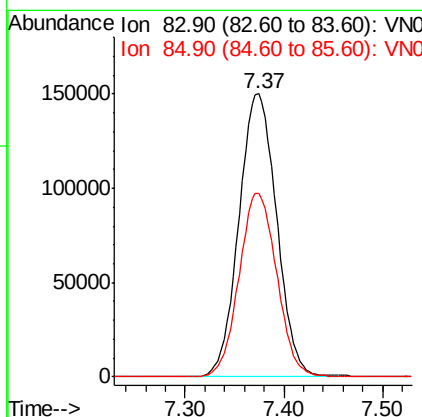
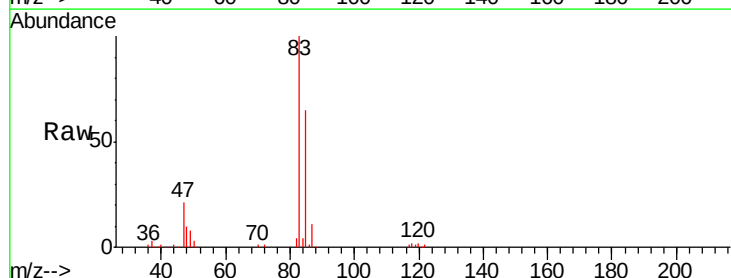
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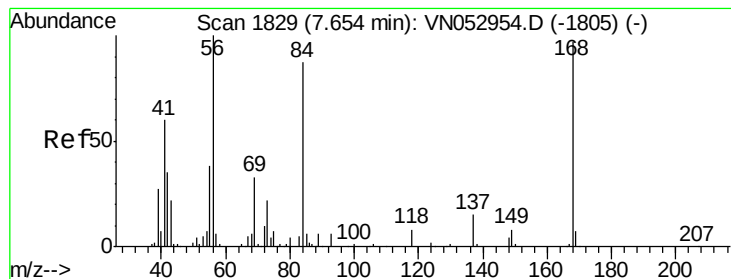
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#30  
Chloroform  
Concen: 20.526 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.7  | 52.1  | 78.1  |





#31

Cyclohexane

Concen: 20.102 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBSD01

Tgt Ion: 56 Resp: 383554  
Ion Ratio Lower Upper

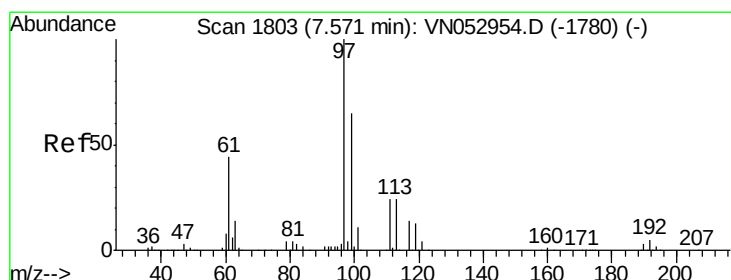
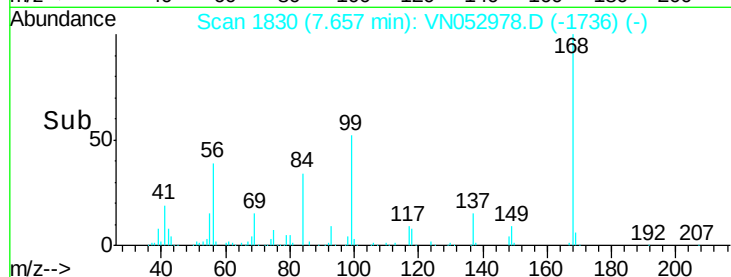
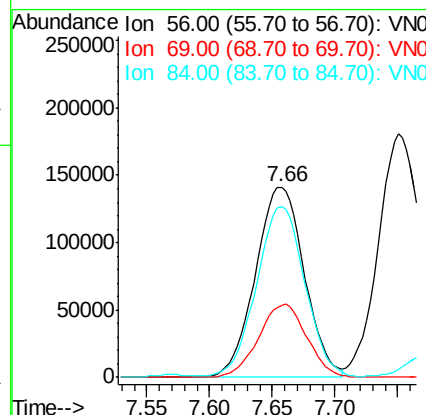
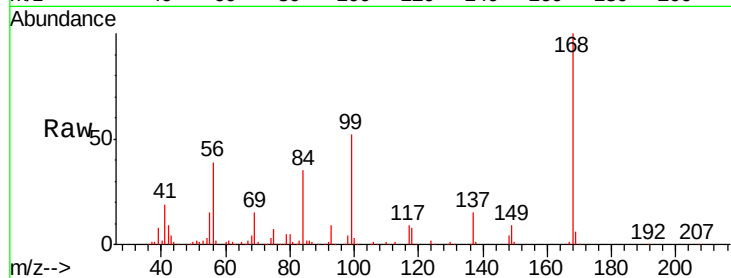
56 100

69 37.9 26.6 39.8

84 88.9 68.4 102.6

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#32

1,1,1-Trichloroethane

Concen: 20.276 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052978.D

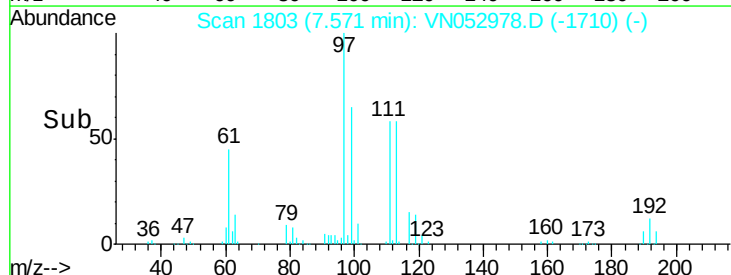
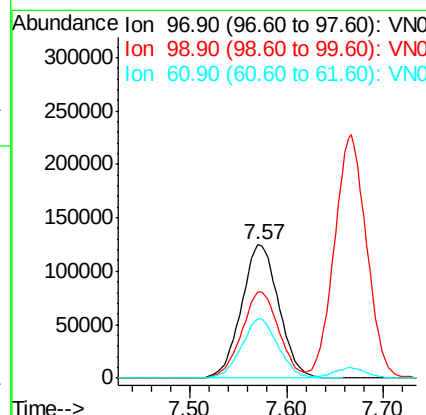
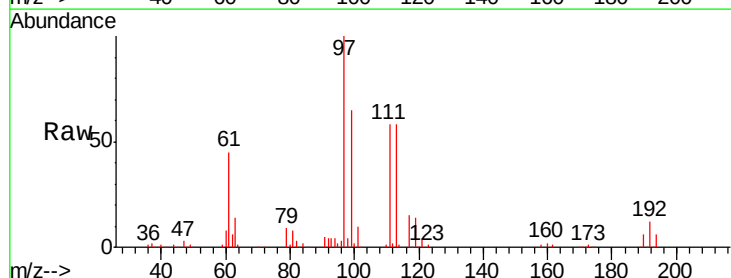
Acq: 18 Dec 2018 23:45

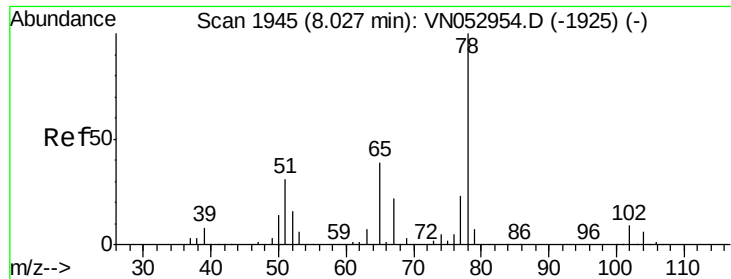
Tgt Ion: 97 Resp: 334733  
Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

61 43.5 35.0 52.6





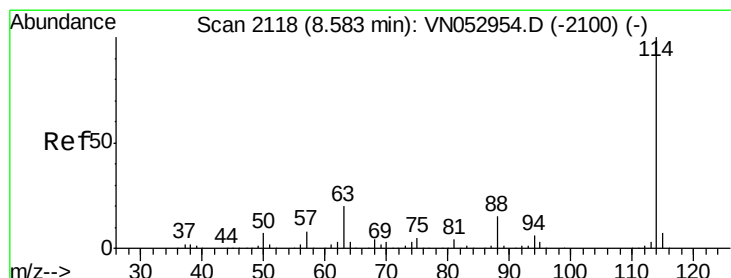
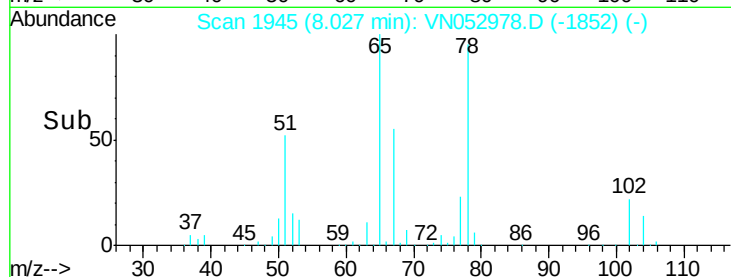
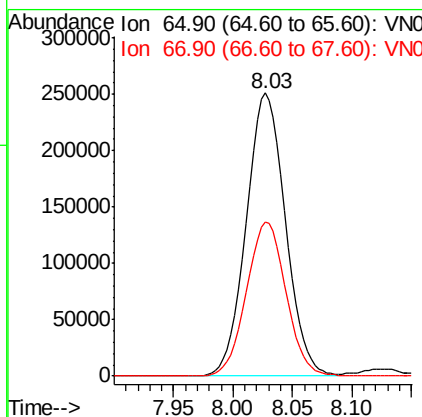
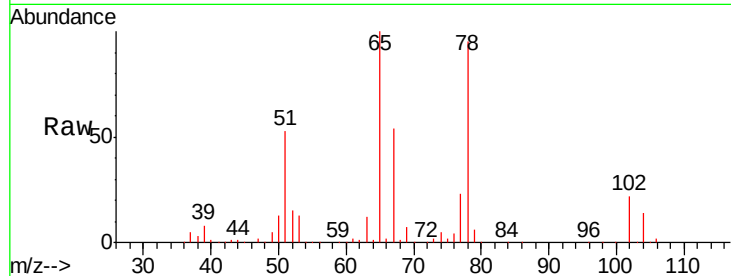
#33  
 1,2-Dichloroethane-d4  
 Concen: 20.276 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBSD01

Tgt Ion: 65 Resp: 574213  
 Ion Ratio Lower Upper  
 65 100  
 67 54.7 0.0 110.4

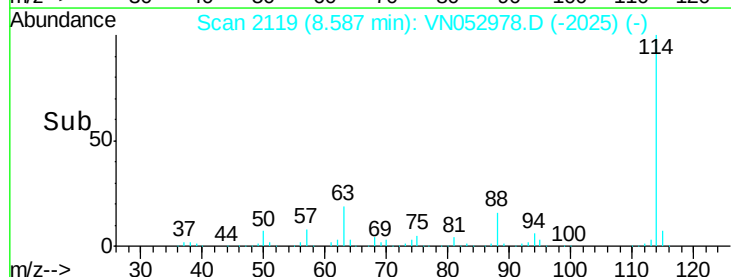
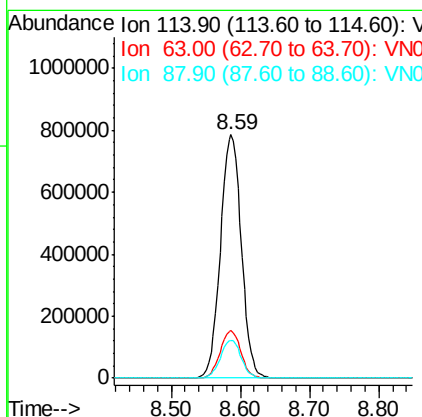
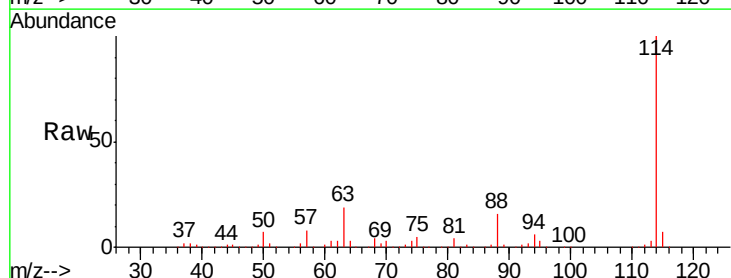
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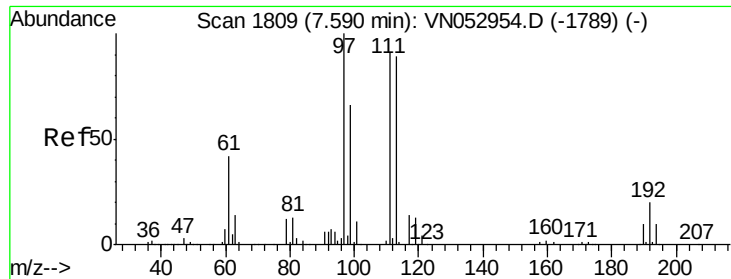
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

Tgt Ion: 114 Resp: 1645088  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 39.8  
 88 15.5 0.0 31.0





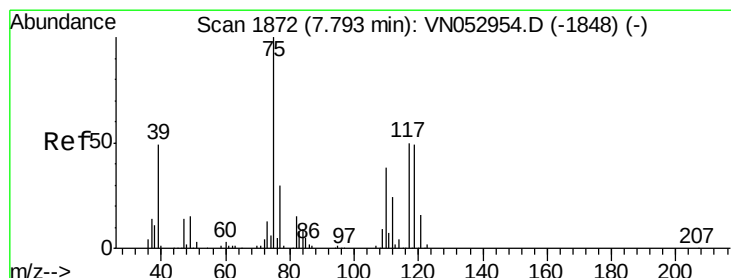
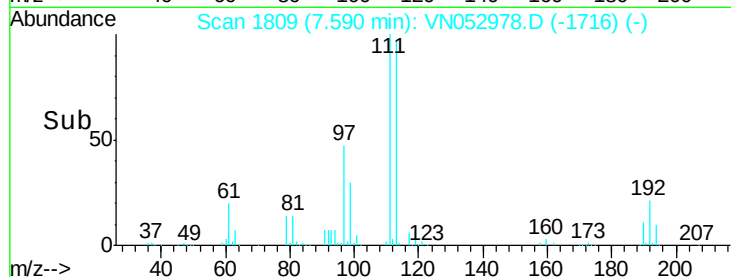
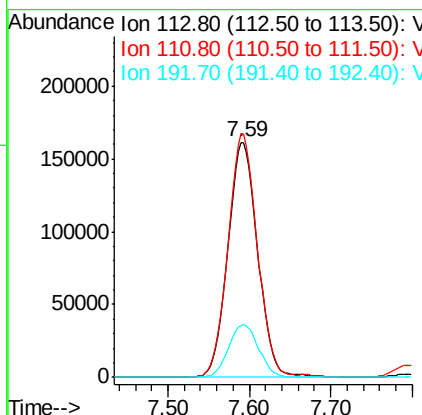
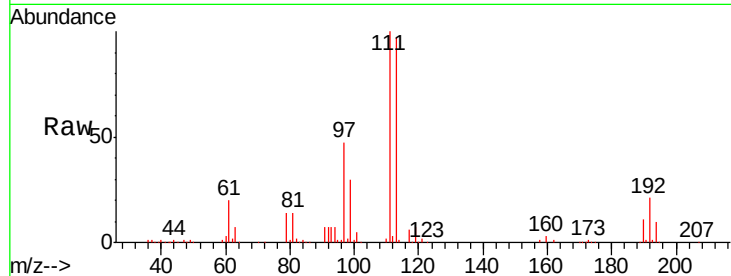
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 413188 |       |       |
| 111     | 101.4 | 83.0   | 124.4 |       |
| 192     | 22.7  | 17.5   | 26.3  |       |

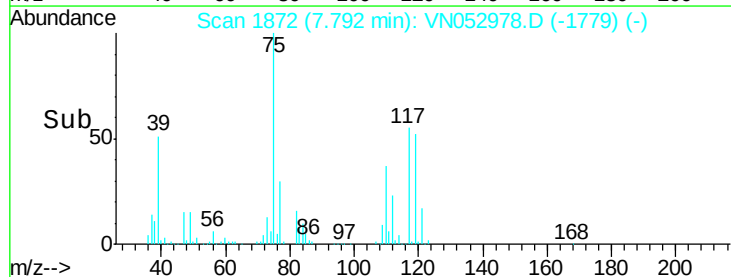
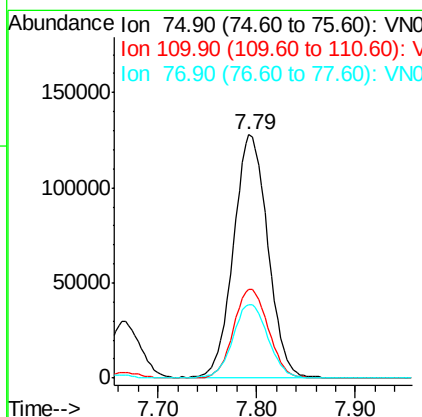
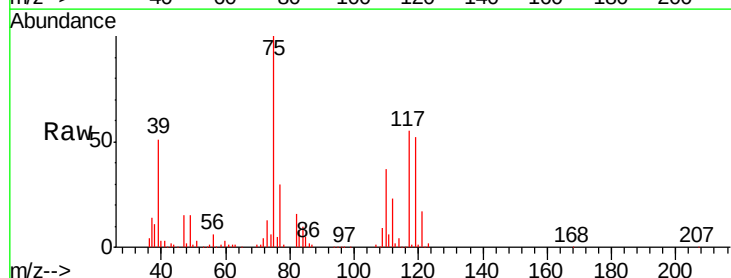
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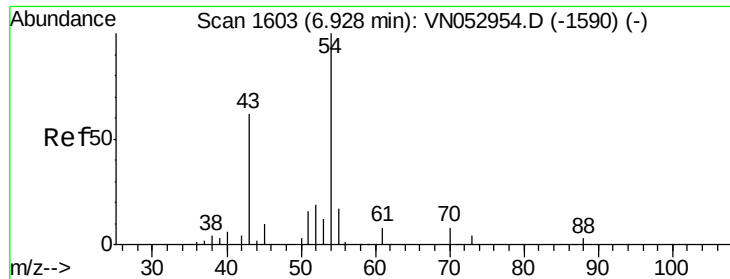
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#36  
1,1-Dichloropropene  
Concen: 19.473 ug/l  
RT: 7.79 min Scan# 1872  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 307474 |       |       |
| 110     | 37.1  | 18.2   | 54.6  |       |
| 77      | 31.3  | 24.9   | 37.3  |       |





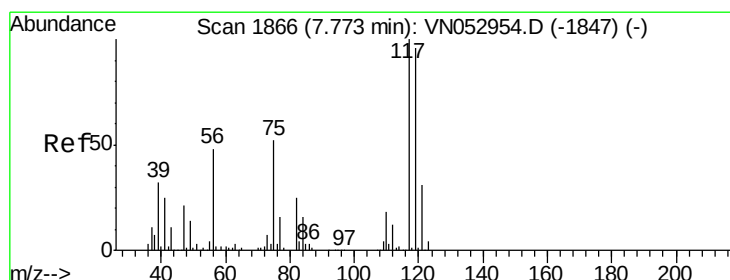
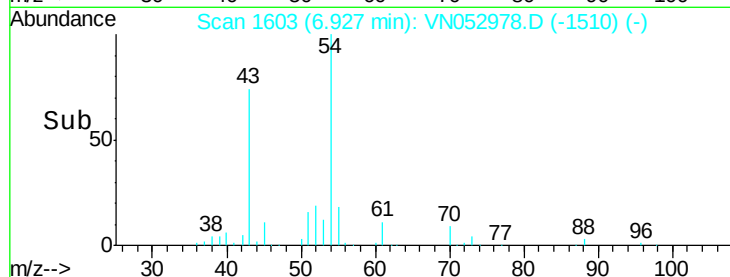
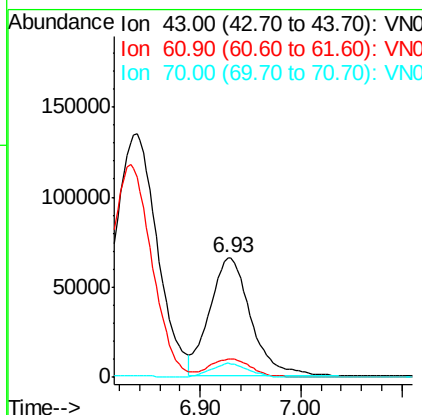
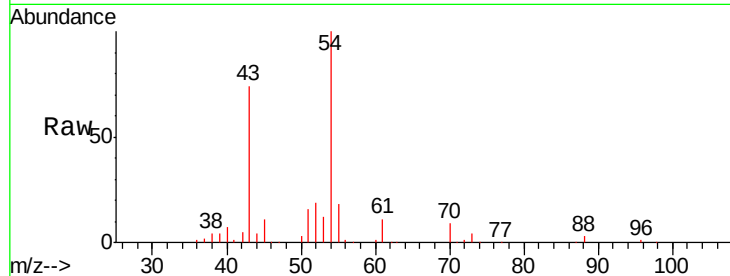
#37  
Ethyl Acetate  
Concen: 21.210 ug/l  
RT: 6.93 min Scan# 1603  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.6  | 11.8  | 17.6  |
| 70      | 11.3  | 8.4   | 12.6  |

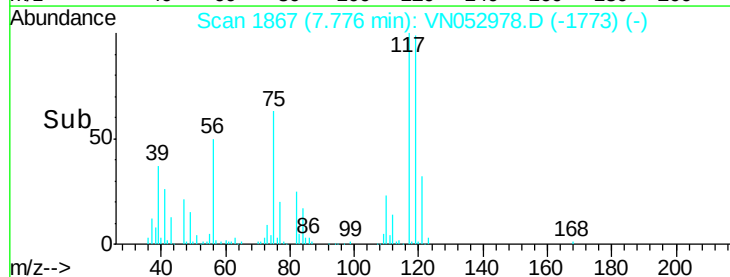
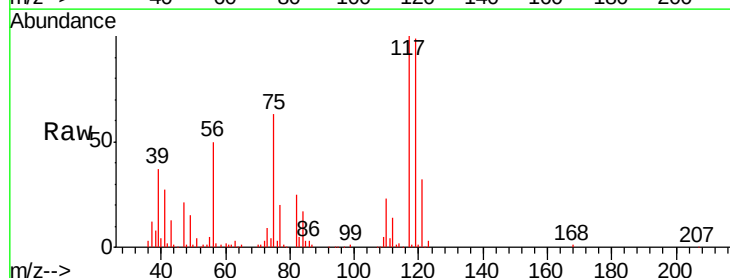
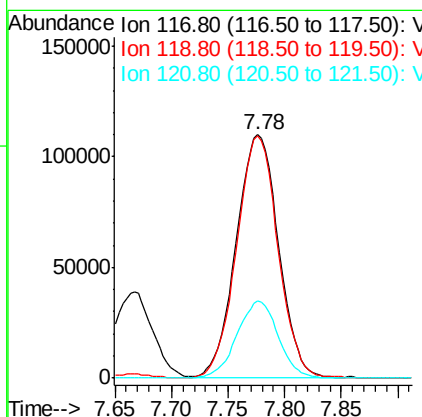
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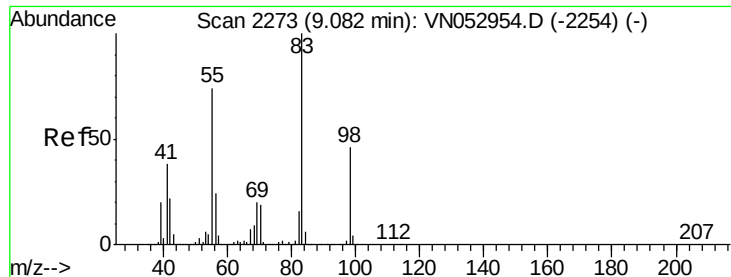


#38  
Carbon Tetrachloride  
Concen: 19.672 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 99.4  | 77.1  | 115.7 |
| 121     | 31.7  | 24.9  | 37.3  |







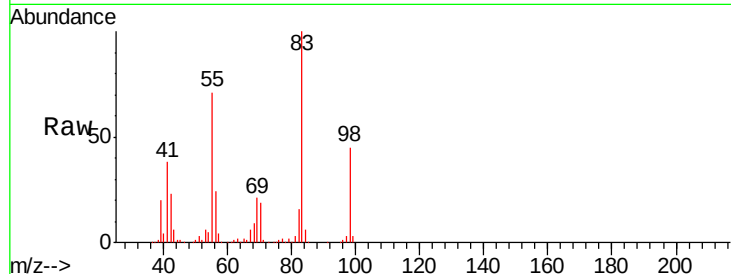
#39  
Methylcyclohexane  
Concen: 18.921 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 362944 |       |       |
| 55      | 71.4  | 61.3   | 91.9  |       |
| 98      | 44.5  | 37.0   | 55.4  |       |

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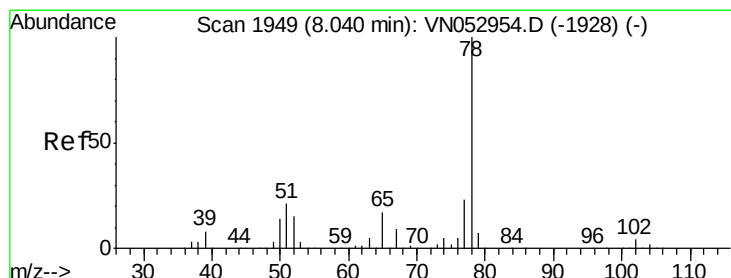
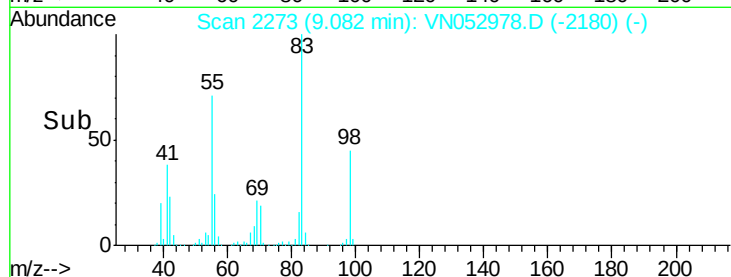
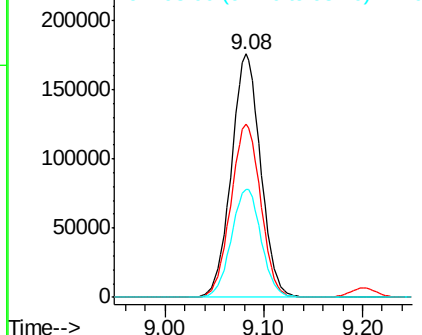
MMDadoda  
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Abundance Ion 83.00 (82.70 to 83.70): VN052954.D (-2254) (-)

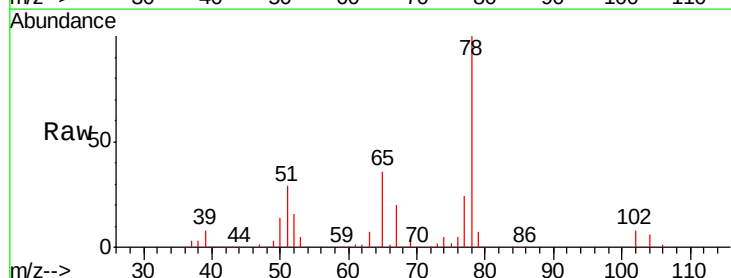
Ion 55.00 (54.70 to 55.70): VN052954.D (-2254) (-)

Ion 98.00 (97.70 to 98.70): VN052954.D (-2254) (-)



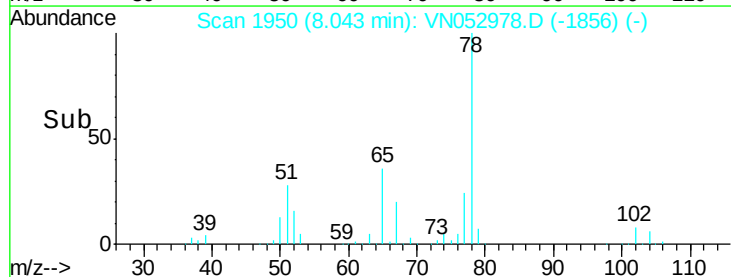
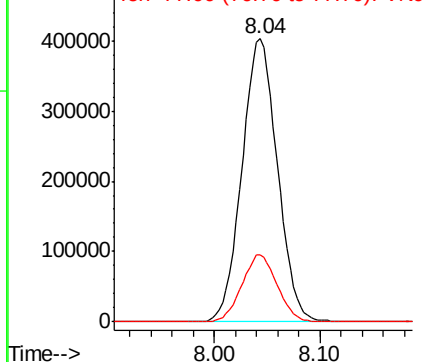
#40  
Benzene  
Concen: 20.029 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

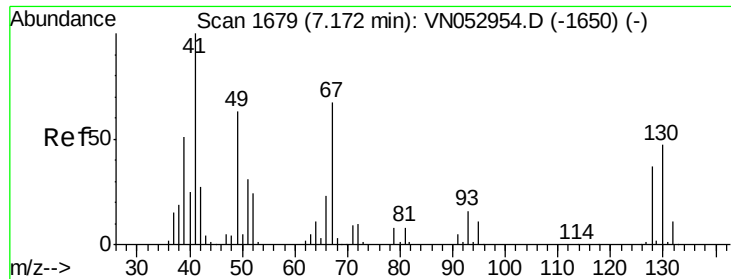
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 940692 |       |       |
| 77      | 23.9  | 18.5   | 27.7  |       |



Abundance Ion 78.00 (77.70 to 78.70): VN052954.D (-1928) (-)

Ion 77.00 (76.70 to 77.70): VN052954.D (-1928) (-)





#41

Methacrylonitrile

Concen: 23.081 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBSD01

Tgt Ion: 41 Resp: 117553  
Ion Ratio Lower Upper

41 100

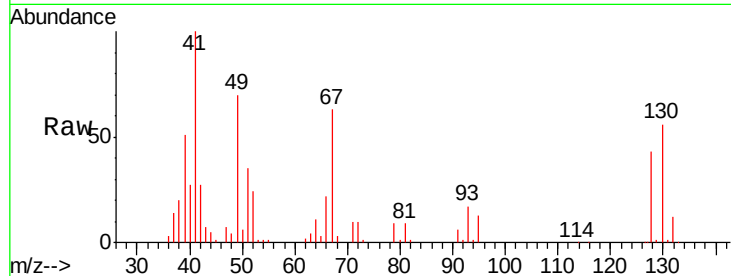
39 58.7 48.0 72.0

67 75.5 70.3 105.5

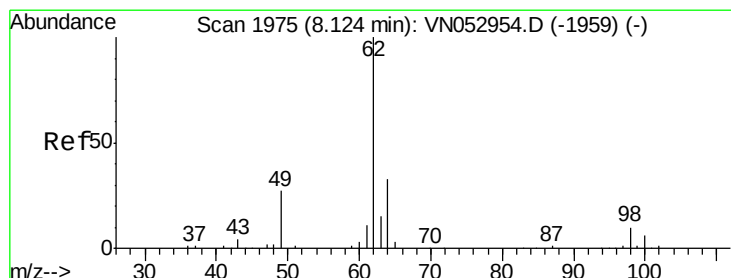
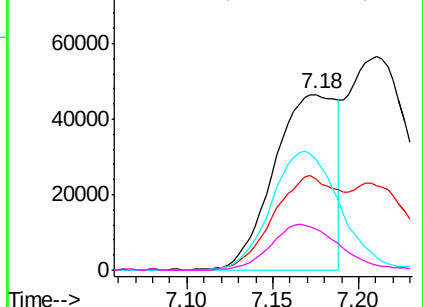
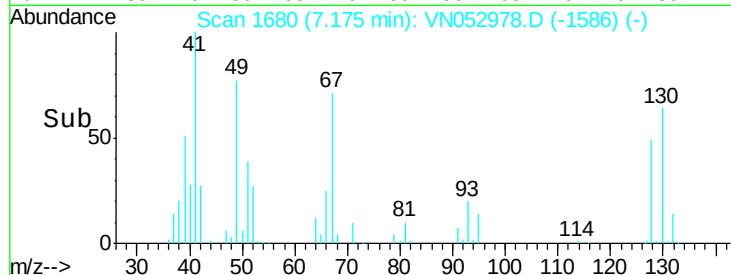
52 29.3 26.9 40.3

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



#42

1,2-Dichloroethane

Concen: 20.231 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

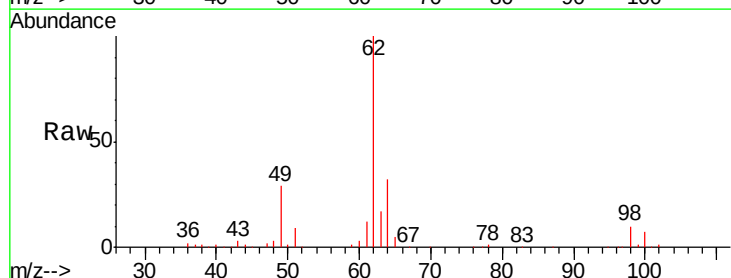
Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

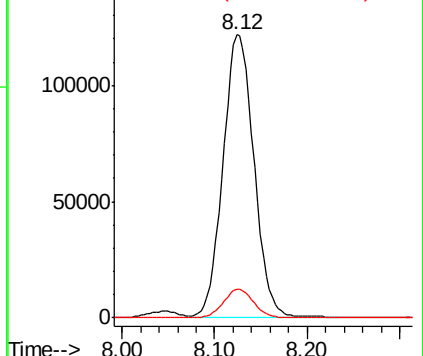
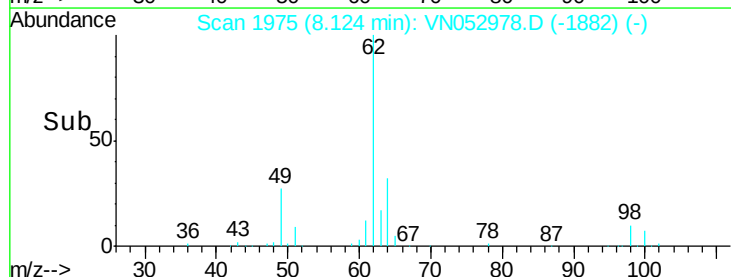
Tgt Ion: 62 Resp: 280703  
Ion Ratio Lower Upper

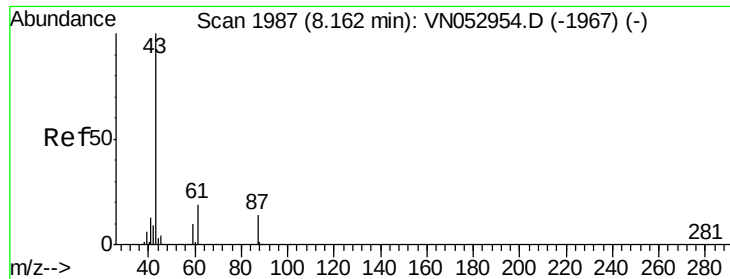
62 100

98 10.1 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 20.666 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

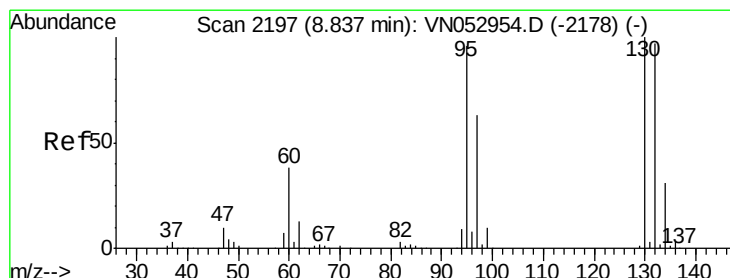
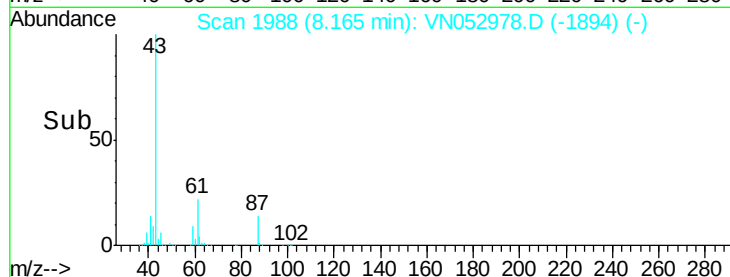
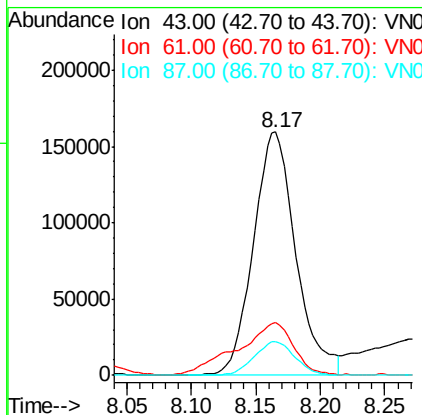
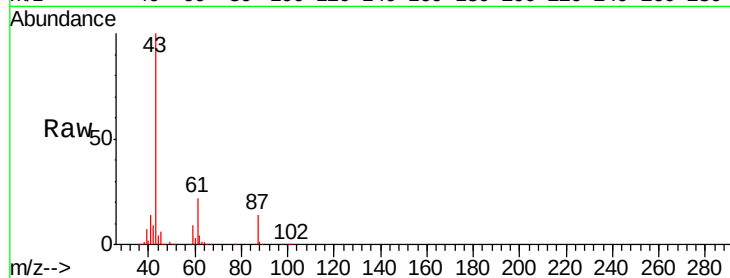
ClientSampleId :

VN1218WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 362984 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 28.4  | 22.9  | 34.3   |
| 87       | 13.4  | 10.6  | 15.8   |

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#44

Trichloroethene

Concen: 19.436 ug/l

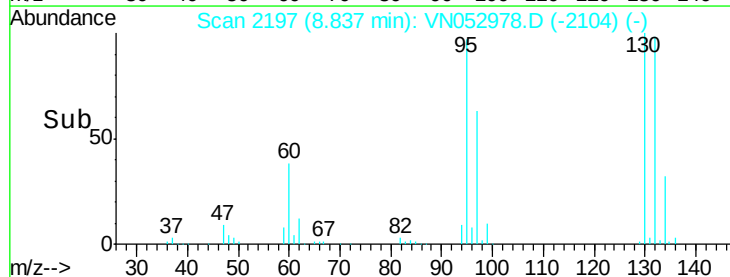
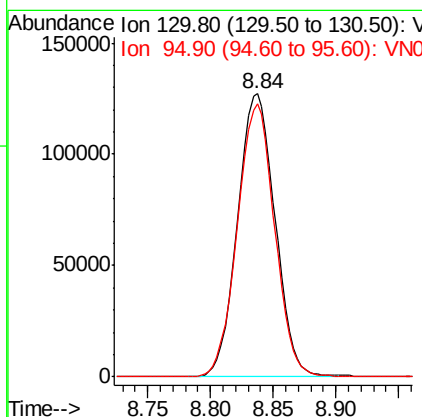
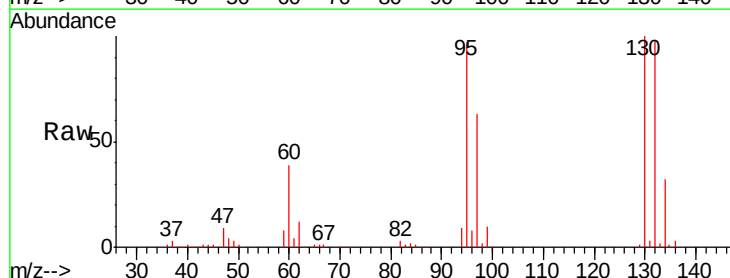
RT: 8.84 min Scan# 2197

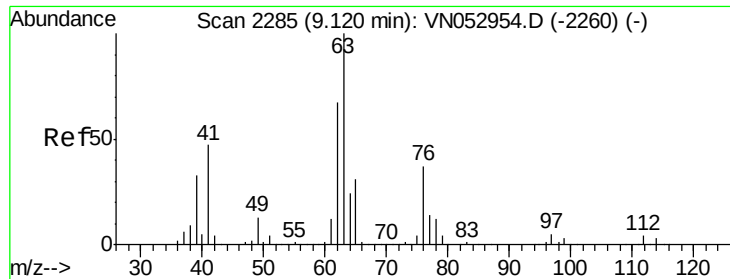
Delta R.T. -0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 264037 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 96.5  | 0.0   | 197.8  |





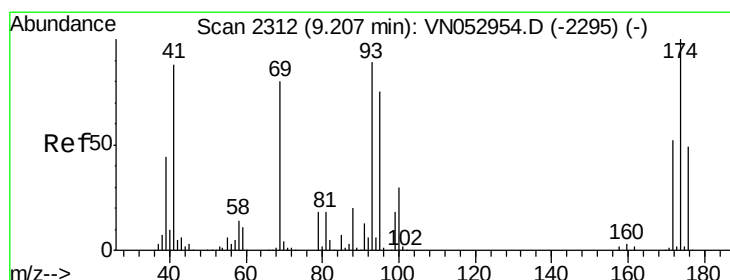
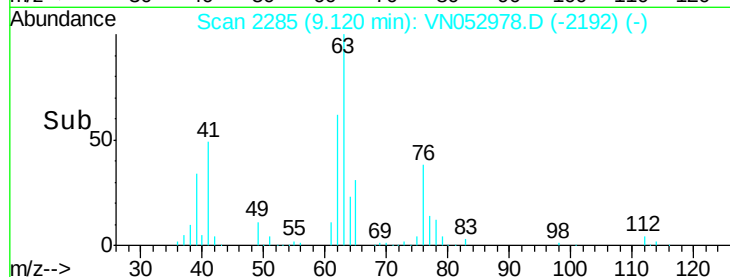
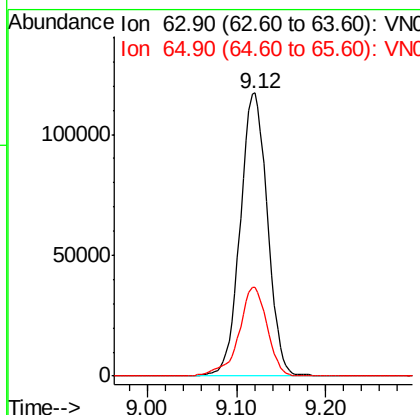
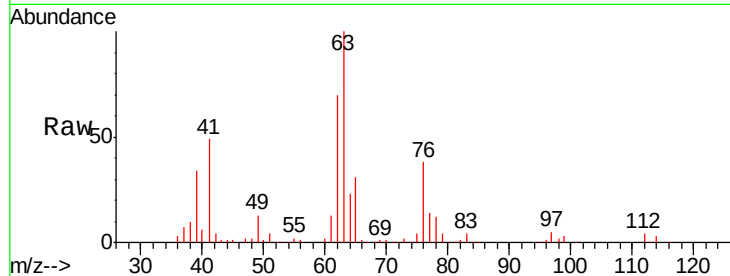
#45  
 1,2-Dichloropropane  
 Concen: 20.345 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. -0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBSD01

Tgt Ion: 63 Resp: 248891  
 Ion Ratio Lower Upper  
 63 100  
 65 31.1 24.6 37.0

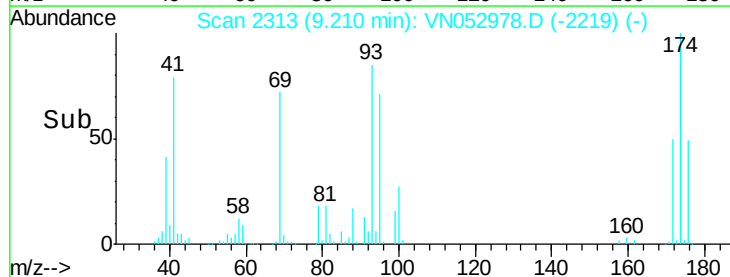
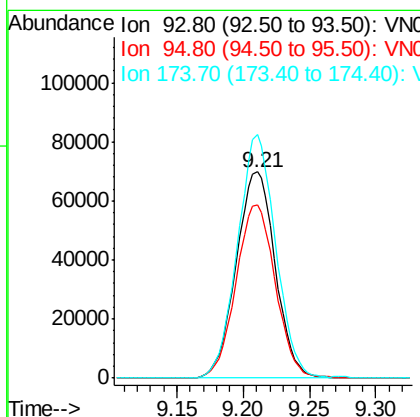
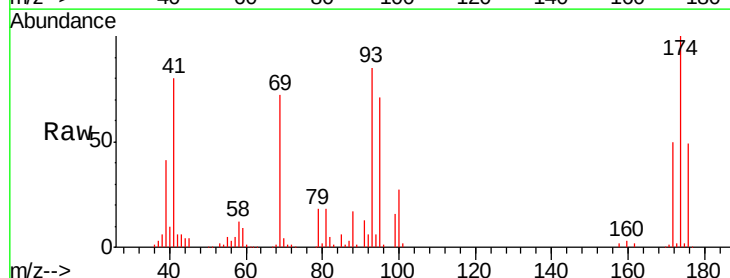
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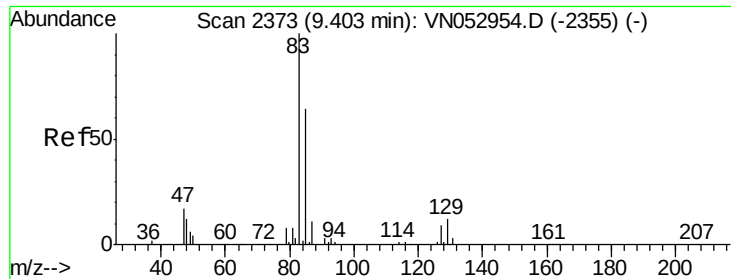
MMDadoda  
 12/19/2018 12:07:43 PM



#46  
 Dibromomethane  
 Concen: 20.125 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

Tgt Ion: 93 Resp: 143423  
 Ion Ratio Lower Upper  
 93 100  
 95 84.5 67.8 101.6  
 174 114.9 89.0 133.4





#47

Bromodichloromethane

Concen: 19.860 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

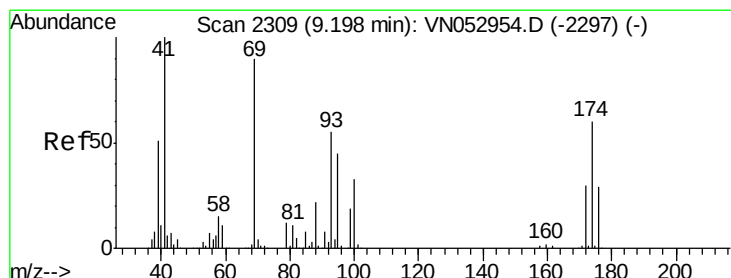
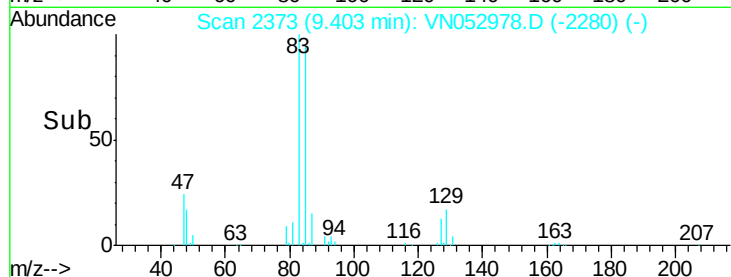
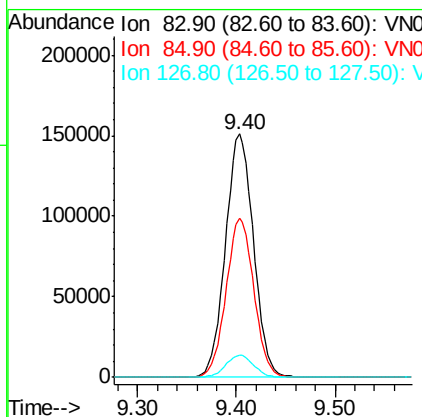
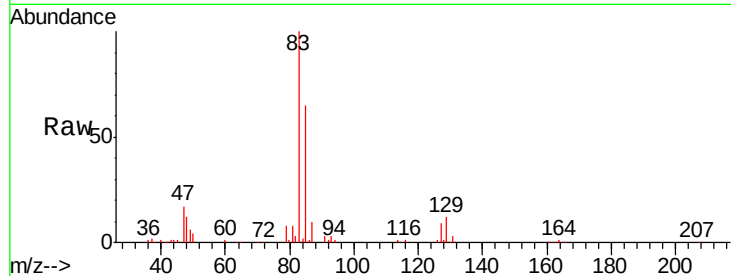
ClientSampleId :

VN1218WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.3  | 51.6  | 77.4  |
| 127     | 8.9   | 7.1   | 10.7  |

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#48

Methyl methacrylate

Concen: 20.503 ug/l

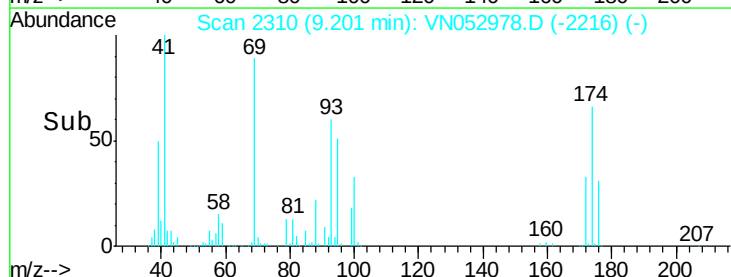
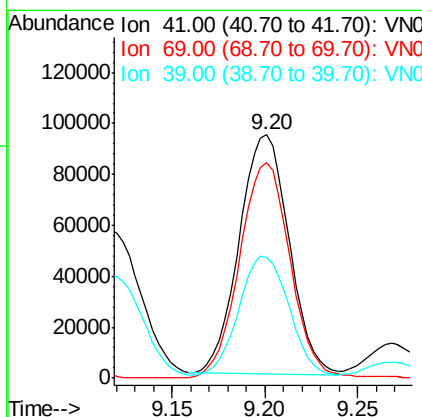
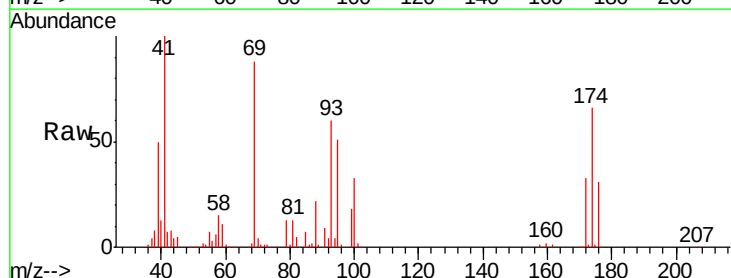
RT: 9.20 min Scan# 2310

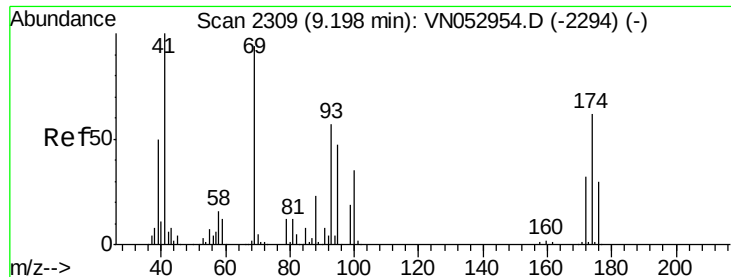
Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 92.2  | 72.2  | 108.2 |
| 39      | 52.6  | 41.9  | 62.9  |





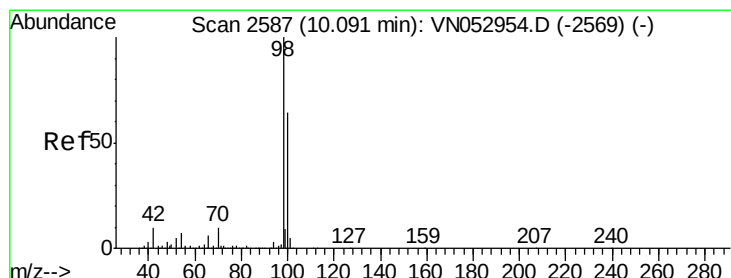
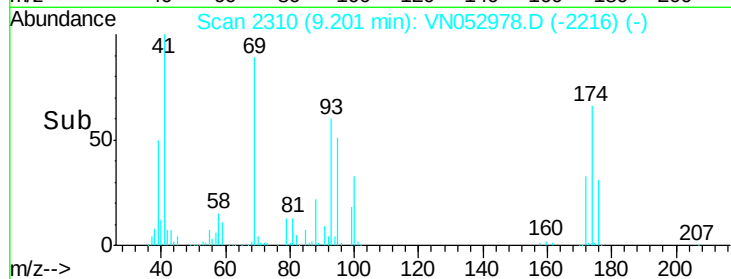
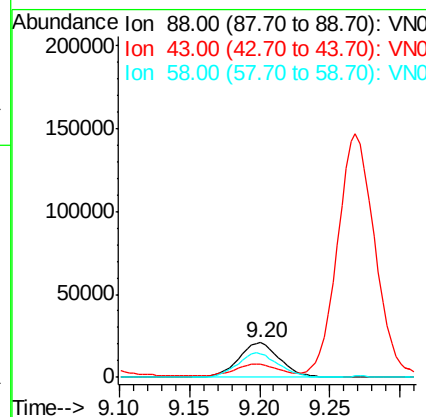
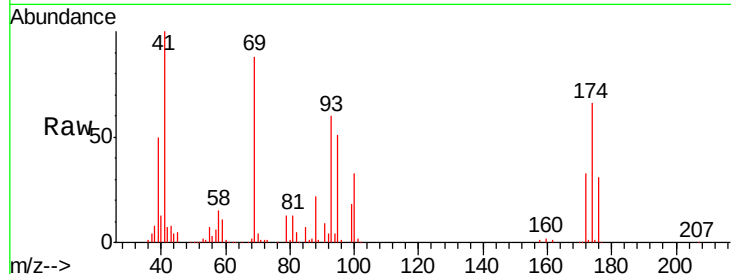
#49  
1,4-Dioxane  
Concen: 396.630 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 88      | 100   | 42915 |       |       |
| 43      | 32.9  | 26.6  | 40.0  |       |
| 58      | 70.1  | 58.4  | 87.6  |       |

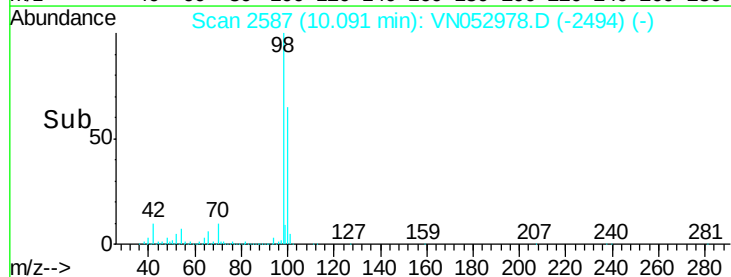
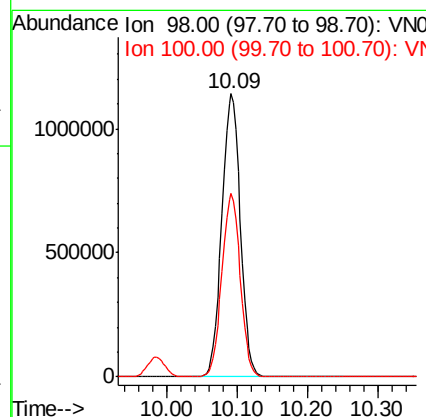
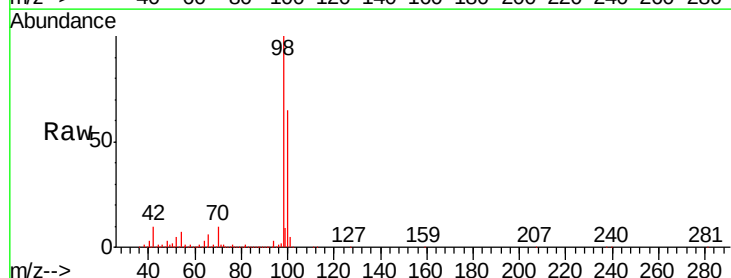
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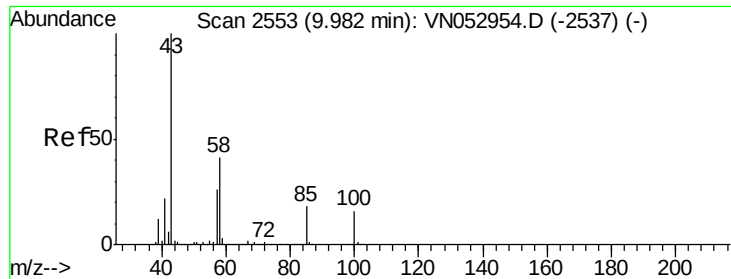
MMDadoda  
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#50  
Toluene-d8  
Concen: 396.630 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 98      | 100   | 2080362 |       |       |
| 100     | 64.3  | 51.6    | 77.4  |       |





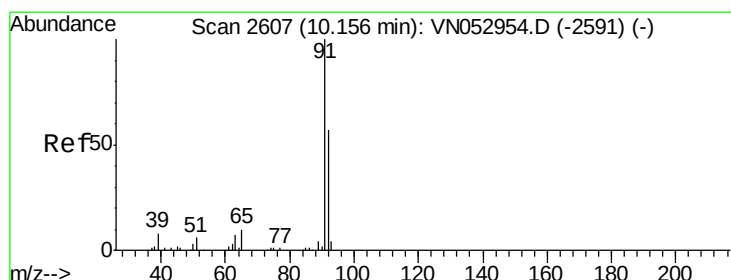
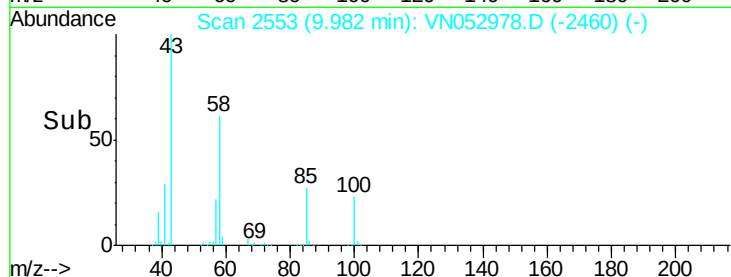
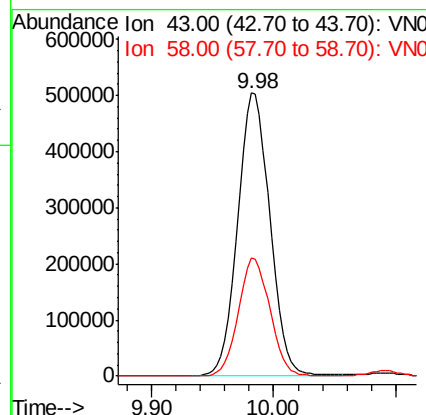
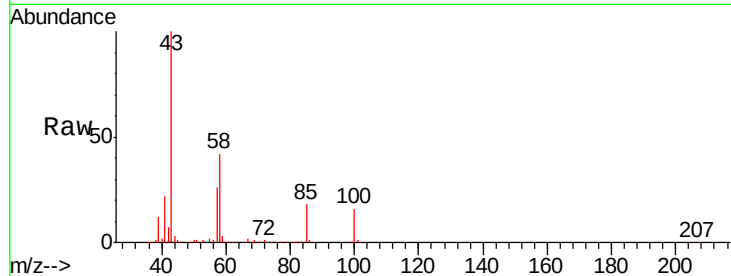
#51  
 4-Methyl-2-Pentanone  
 Concen: 107.643 ug/l  
 RT: 9.98 min Scan# 2553  
 Delta R.T. -0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBSD01

Tgt Ion: 43 Resp: 918884  
 Ion Ratio Lower Upper  
 43 100  
 58 41.2 32.2 48.4

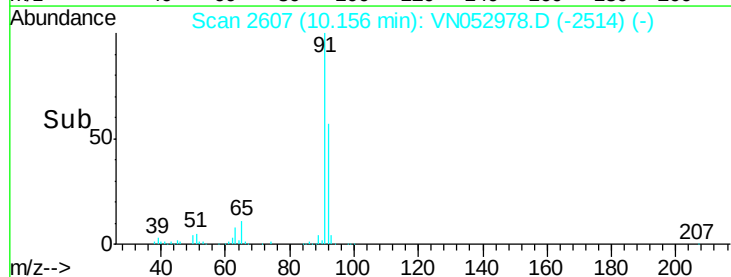
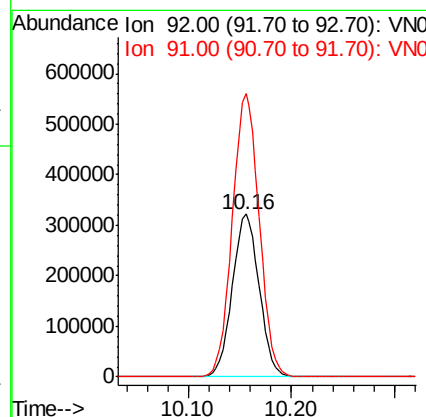
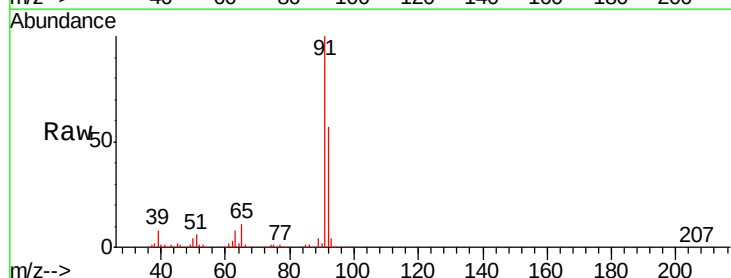
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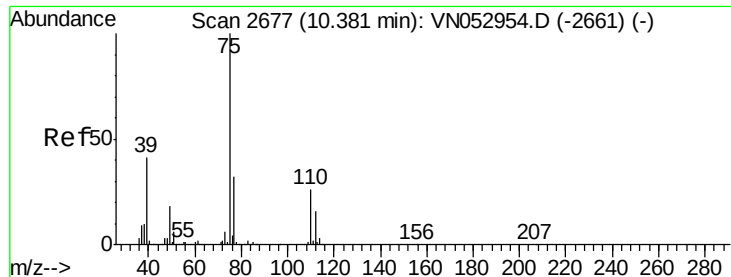
MMDadoda  
 12/19/2018 12:07:43 PM



#52  
 Toluene  
 Concen: 19.949 ug/l  
 RT: 10.16 min Scan# 2607  
 Delta R.T. -0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

Tgt Ion: 92 Resp: 580751  
 Ion Ratio Lower Upper  
 92 100  
 91 175.3 139.8 209.6





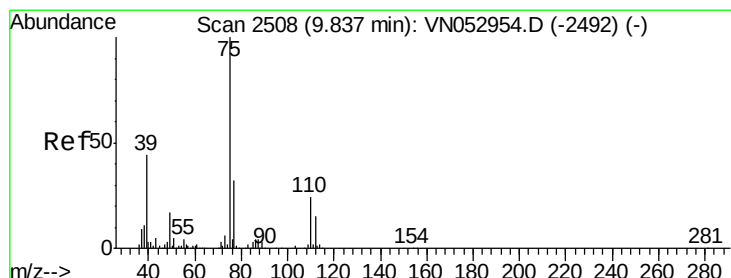
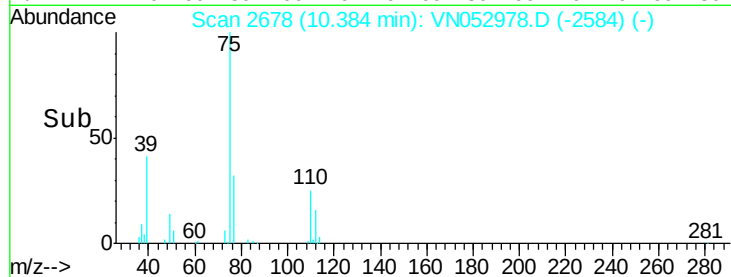
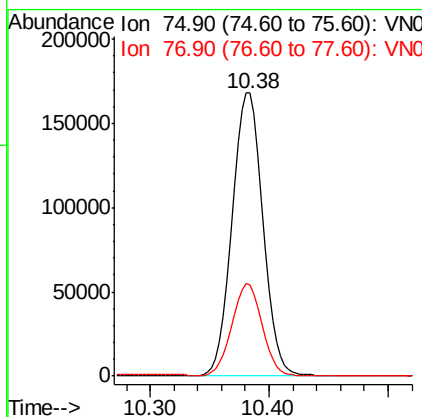
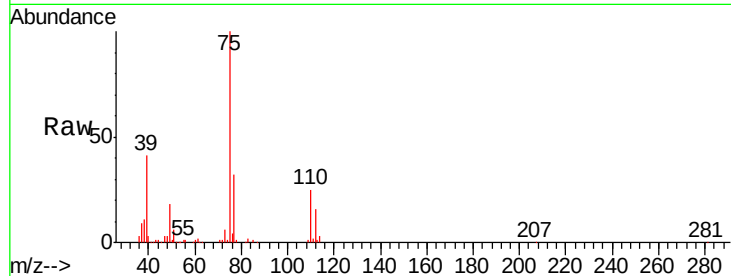
#53  
t-1,3-Dichloropropene  
Concen: 18.937 ug/l  
RT: 10.38 min Scan# 2678  
Delta R.T. 0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

Tgt Ion: 75 Resp: 301658  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.6 38.4

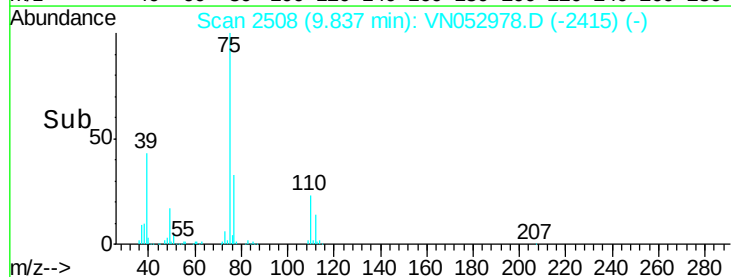
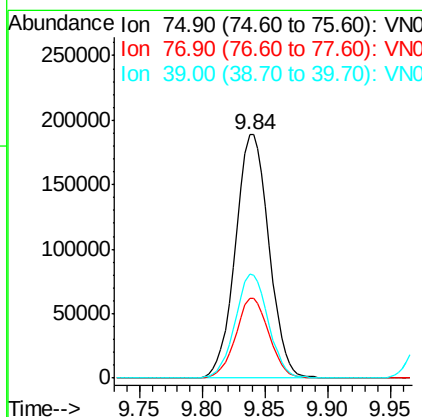
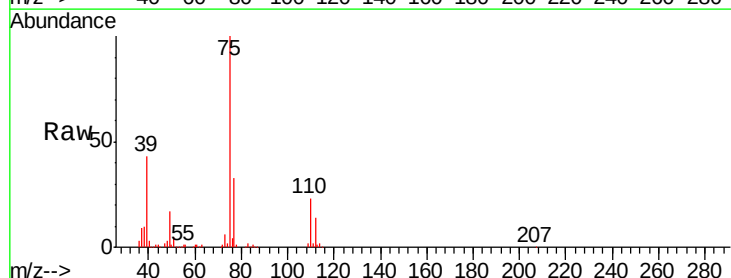
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MMDadoda  
12/19/2018 12:07:43 PM

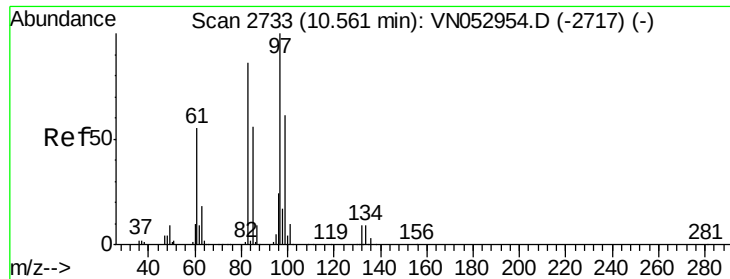


#54  
cis-1,3-Dichloropropene  
Concen: 19.212 ug/l  
RT: 9.84 min Scan# 2508  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Tgt Ion: 75 Resp: 351282  
Ion Ratio Lower Upper  
75 100  
77 32.8 25.8 38.8  
39 42.6 34.8 52.2







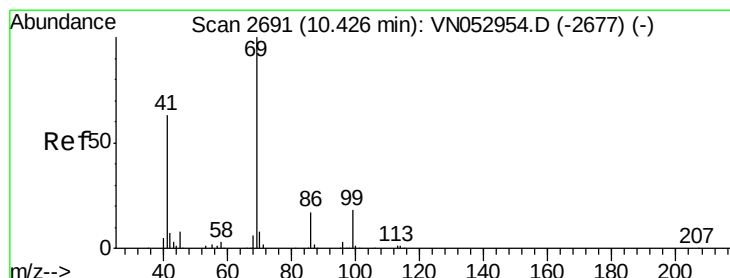
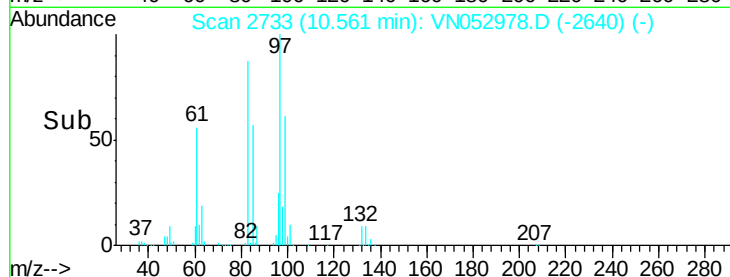
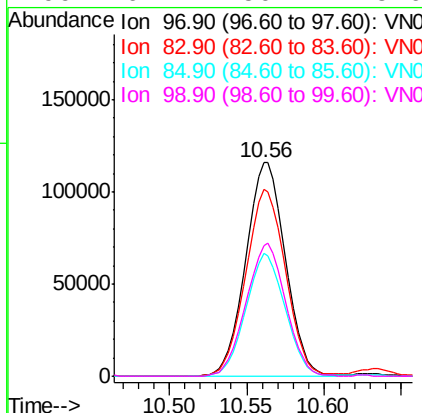
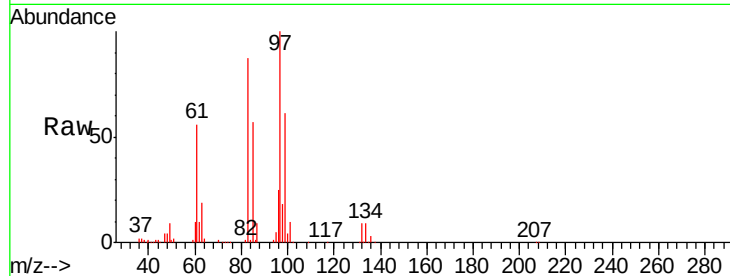
#55  
 1,1,2-Trichloroethane  
 Concen: 20.366 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 87.4  | 70.9  | 106.3 |
| 85      | 57.3  | 45.4  | 68.2  |
| 99      | 61.2  | 50.4  | 75.6  |

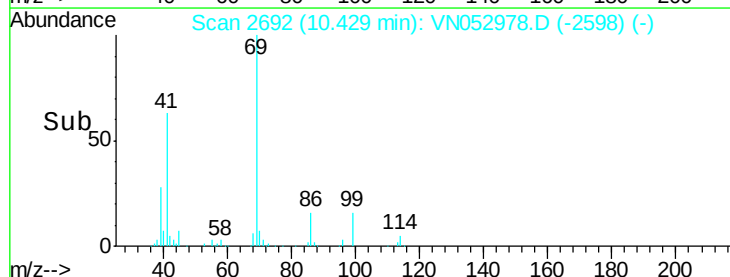
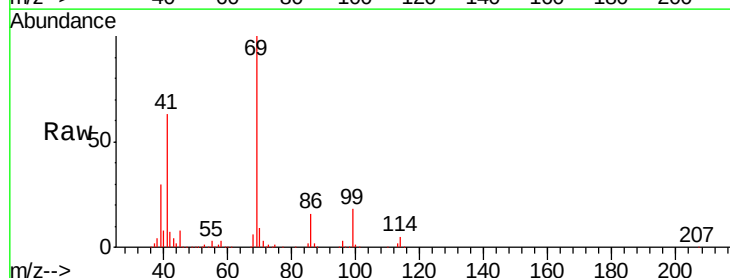
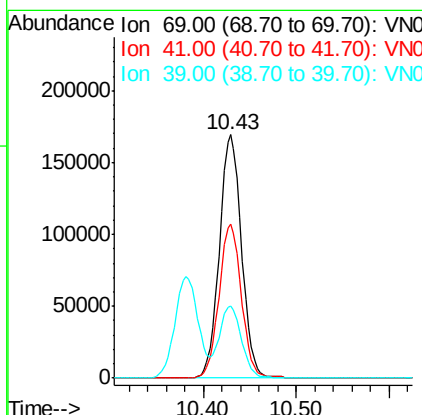
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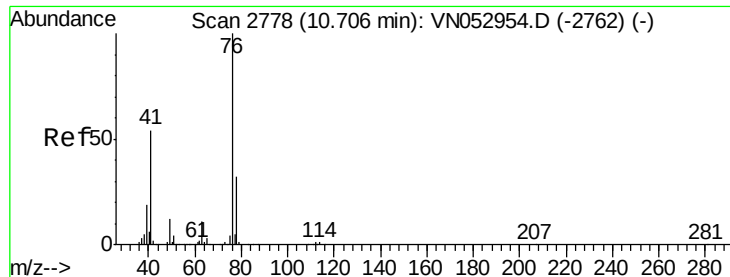
MMDadoda  
 12/19/2018 12:07:43 PM



#56  
 Ethyl methacrylate  
 Concen: 20.833 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 62.8  | 51.7  | 77.5  |
| 39      | 29.9  | 24.6  | 37.0  |





#57

1,3-Dichloropropane

Concen: 20.314 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBSD01

Tgt Ion: 76 Resp: 353794

Ion Ratio Lower Upper

76 100

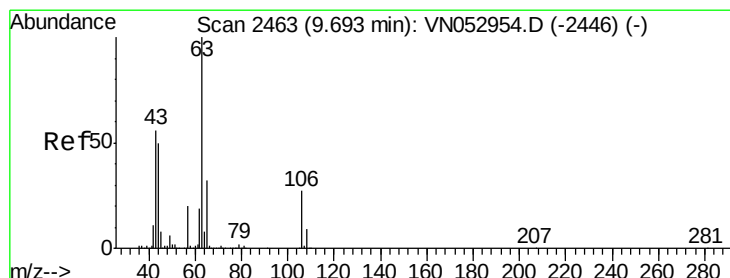
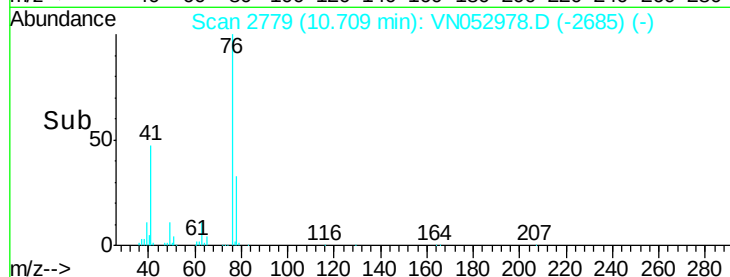
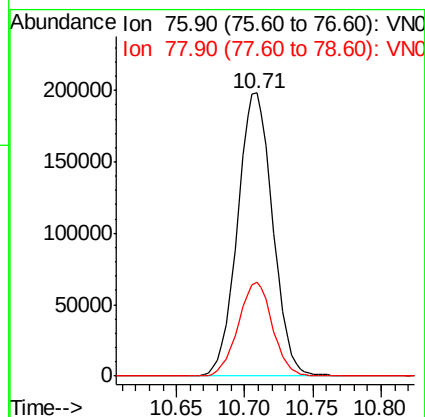
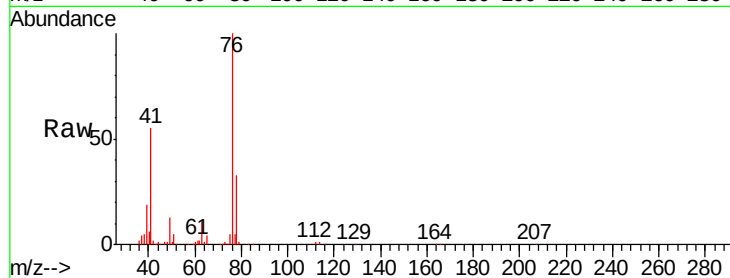
78 32.4 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 106.492 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052978.D

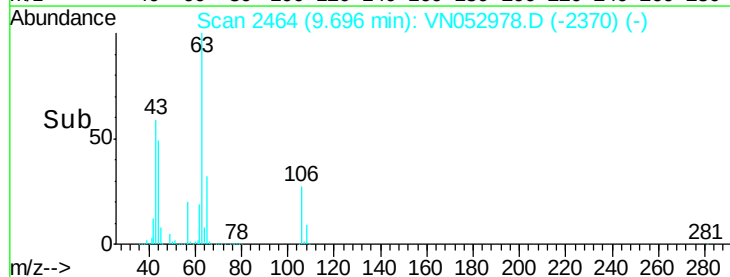
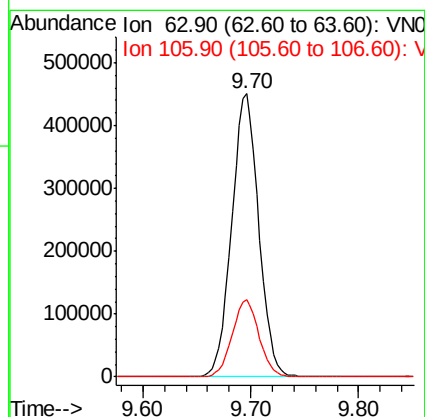
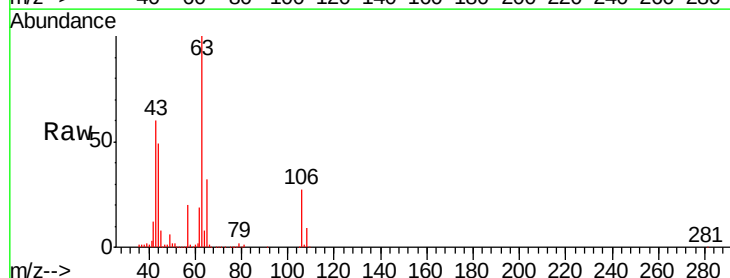
Acq: 18 Dec 2018 23:45

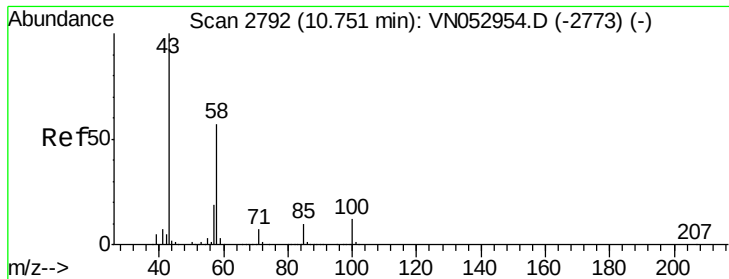
Tgt Ion: 63 Resp: 785901

Ion Ratio Lower Upper

63 100

106 27.2 21.0 31.6





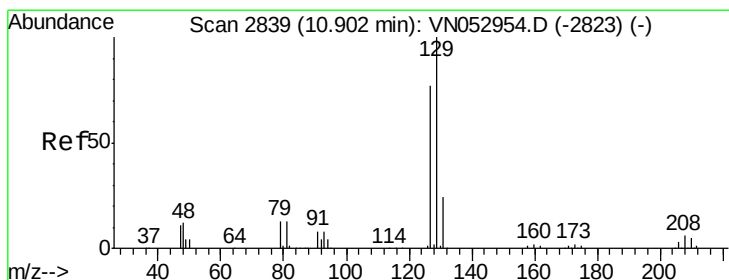
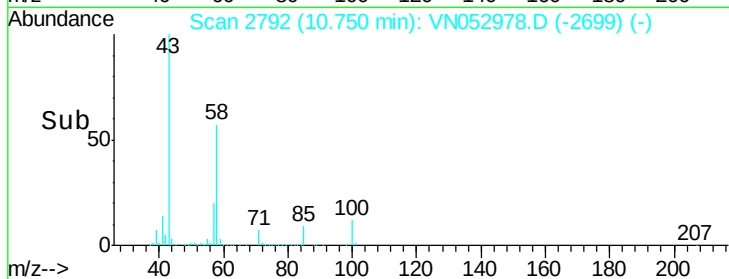
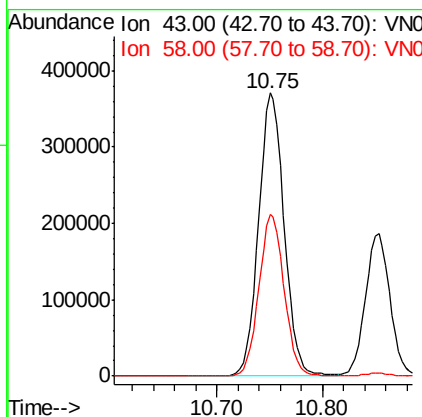
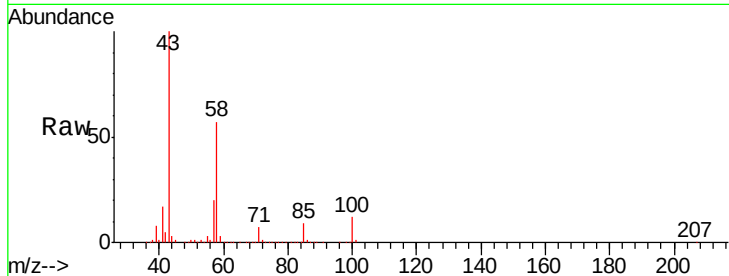
#59  
2-Hexanone  
Concen: 108.019 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

Tgt Ion: 43 Resp: 623872  
Ion Ratio Lower Upper  
43 100  
58 56.8 28.1 84.3

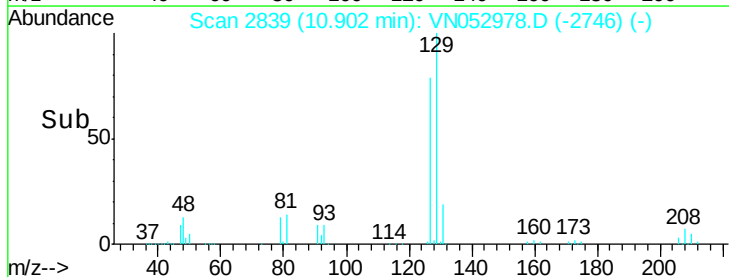
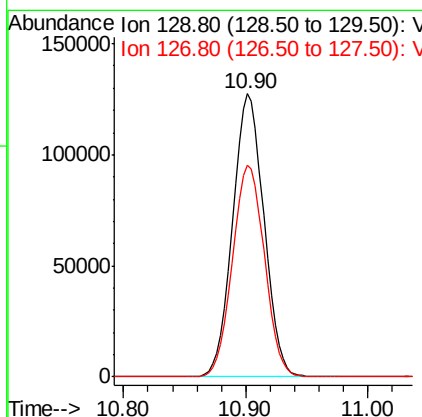
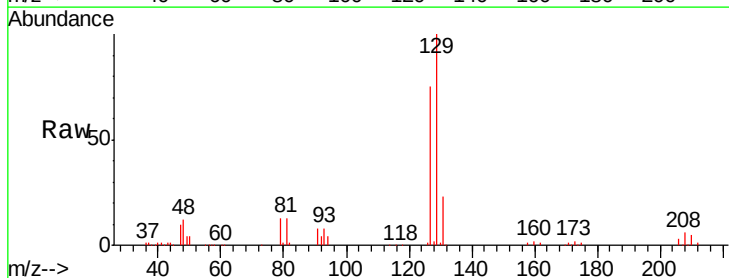
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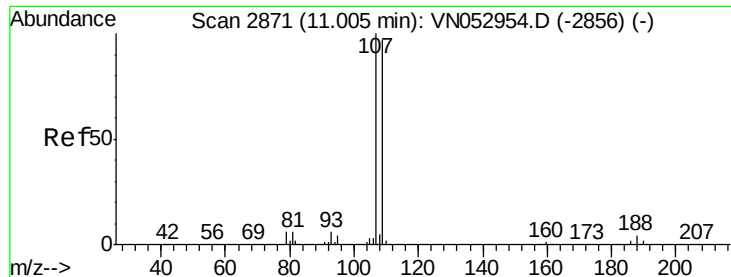
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 19.526 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Tgt Ion: 129 Resp: 226997  
Ion Ratio Lower Upper  
129 100  
127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.336 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBSD01

Tgt Ion: 107 Resp: 209757

Ion Ratio Lower Upper

107 100

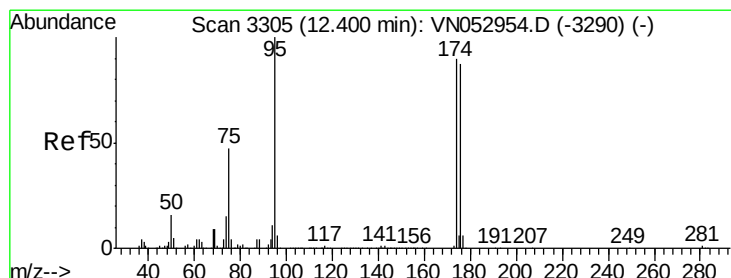
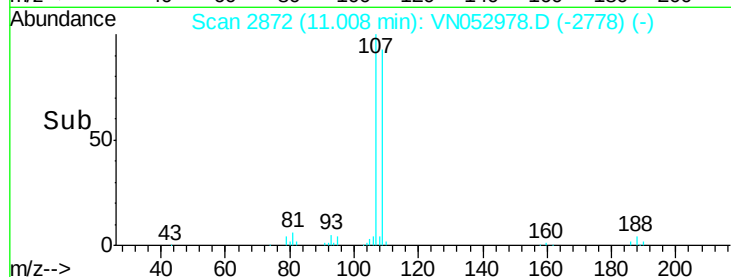
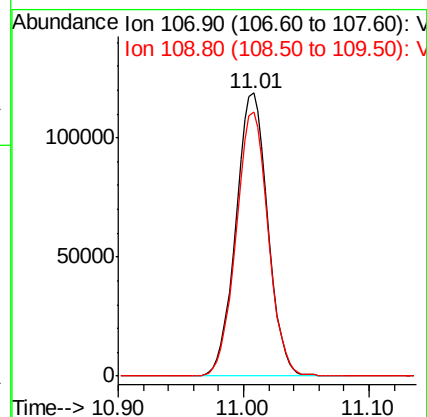
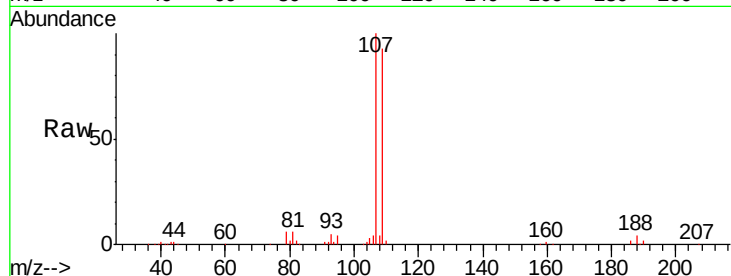
109 93.9 75.4 113.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 20.336 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

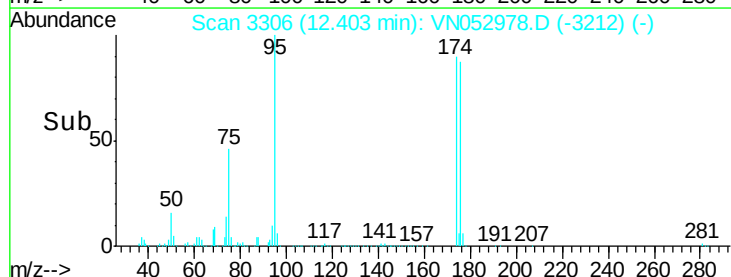
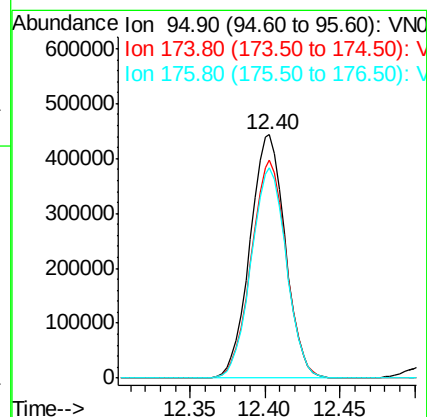
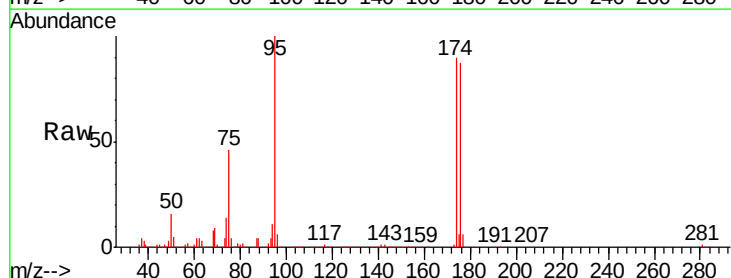
Tgt Ion: 95 Resp: 725916

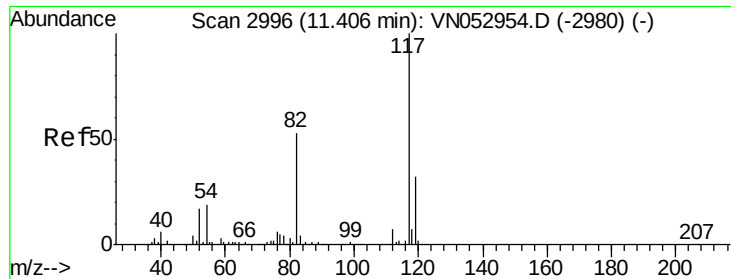
Ion Ratio Lower Upper

95 100

174 89.2 0.0 178.8

176 86.5 0.0 173.8





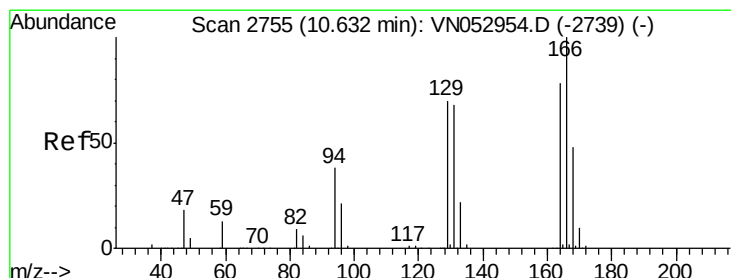
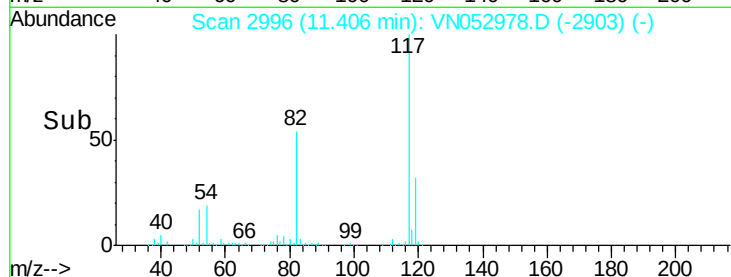
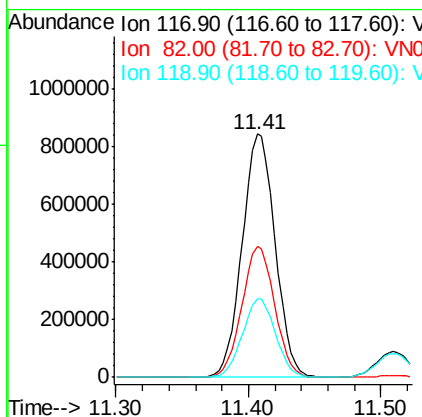
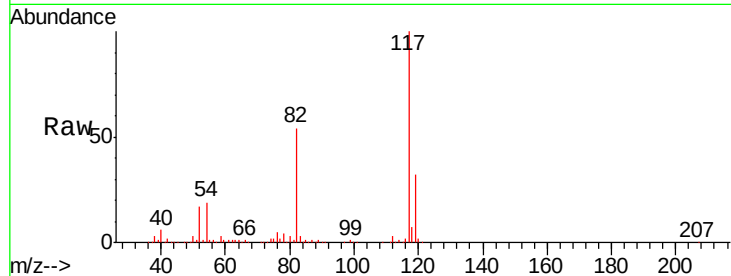
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

Tgt Ion:117 Resp: 1452262  
Ion Ratio Lower Upper  
117 100  
82 53.8 42.8 64.2  
119 32.4 25.5 38.3

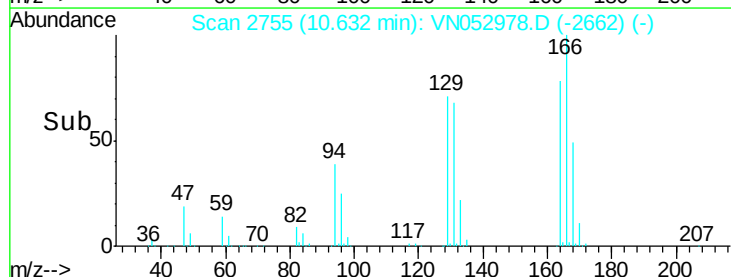
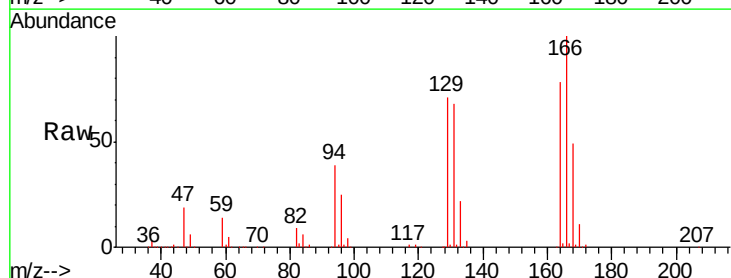
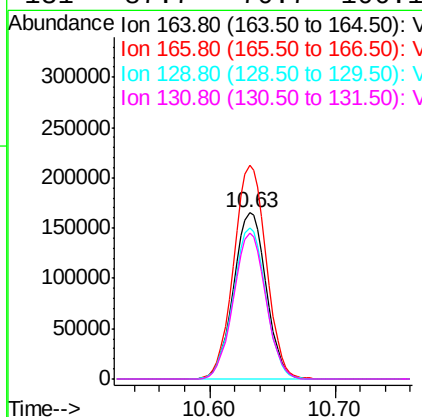
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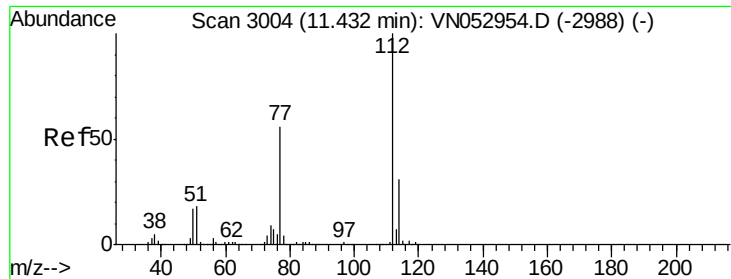
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 19.083 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Tgt Ion:164 Resp: 300192  
Ion Ratio Lower Upper  
164 100  
166 128.4 102.9 154.3  
129 91.2 73.7 110.5  
131 87.7 70.7 106.1





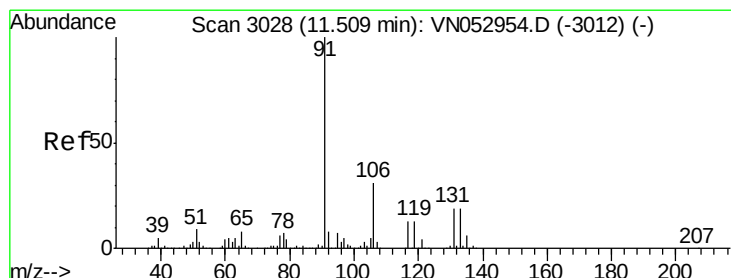
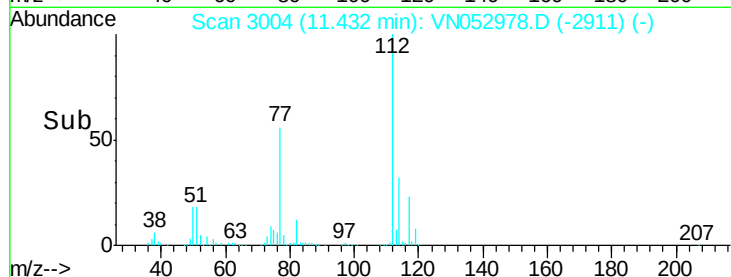
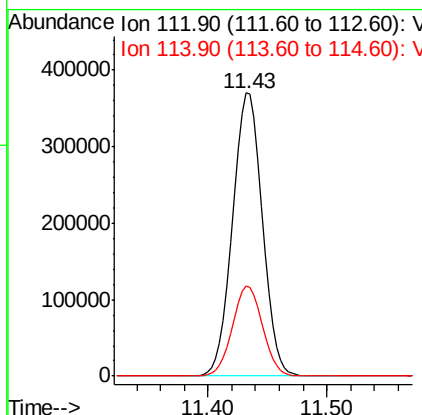
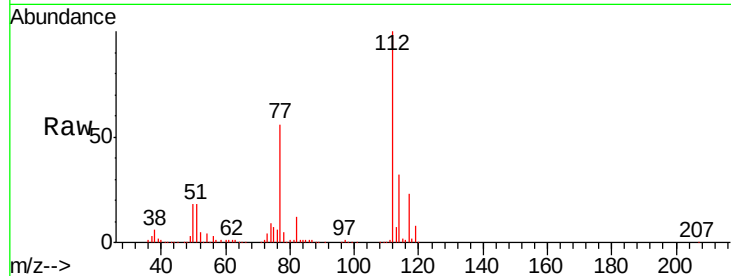
#65  
Chlorobenzene  
Concen: 19.967 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

Tgt Ion:112 Resp: 642791  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.5 38.3

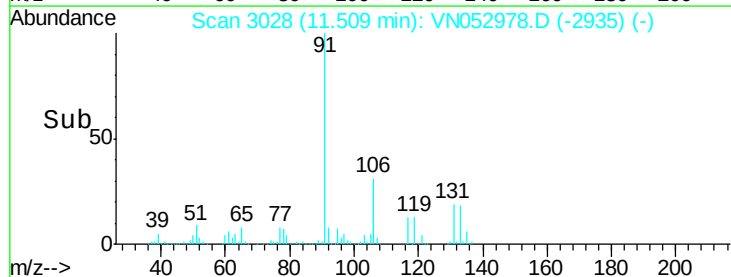
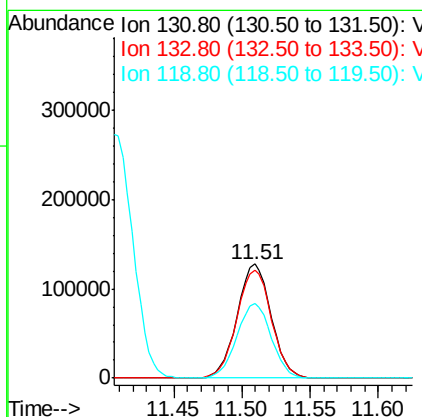
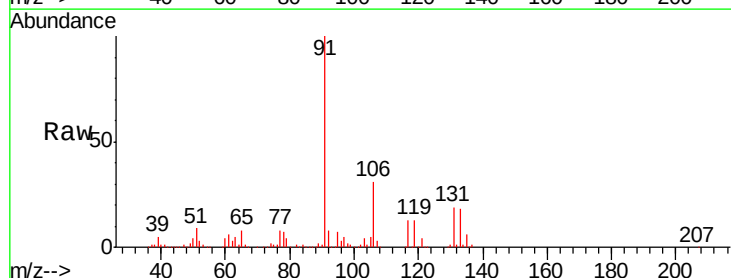
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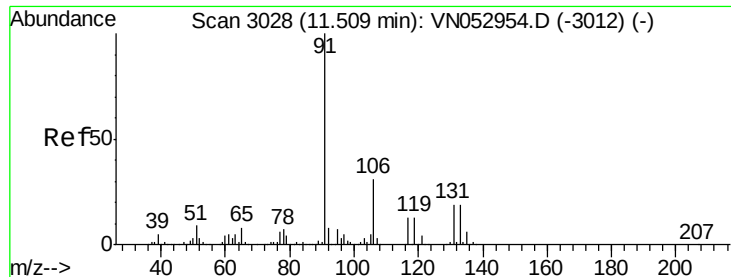
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.716 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Tgt Ion:131 Resp: 220717  
Ion Ratio Lower Upper  
131 100  
133 96.6 47.6 142.9  
119 66.4 33.3 99.8





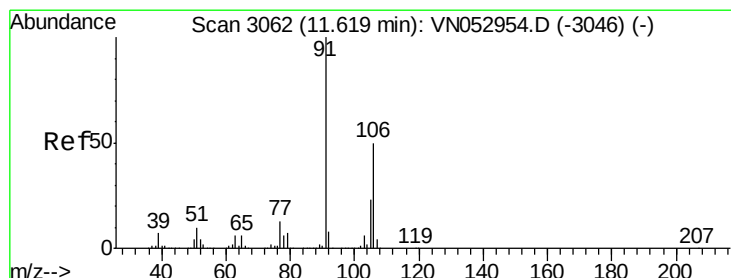
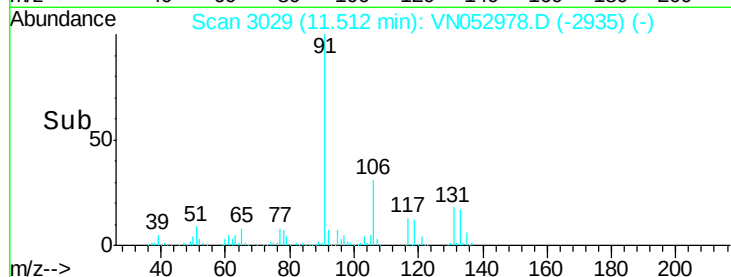
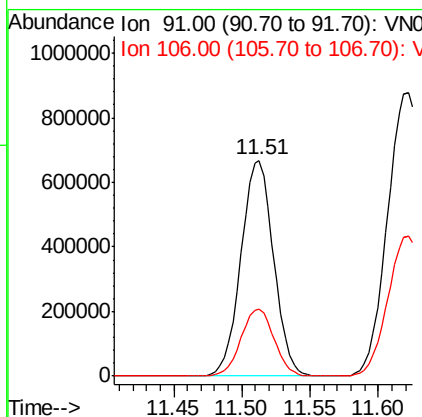
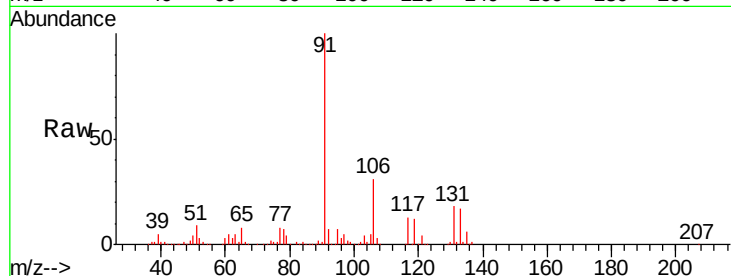
#67  
Ethyl Benzene  
Concen: 20.008 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

Tgt Ion: 91 Resp: 1107678  
Ion Ratio Lower Upper  
91 100  
106 31.3 24.9 37.3

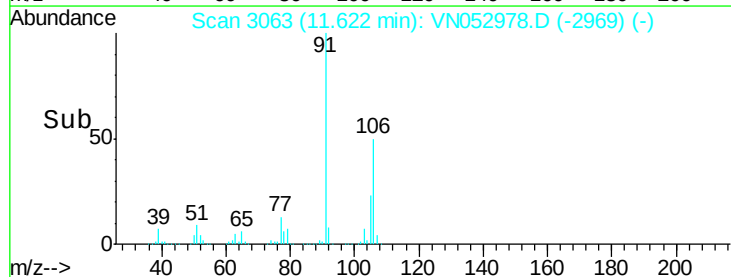
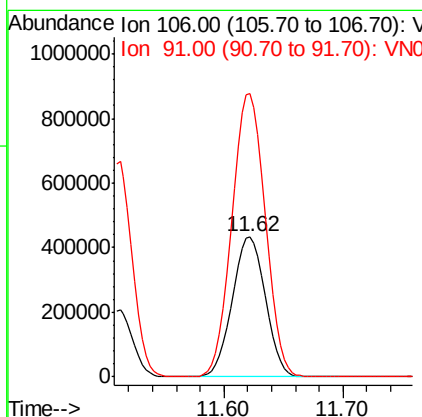
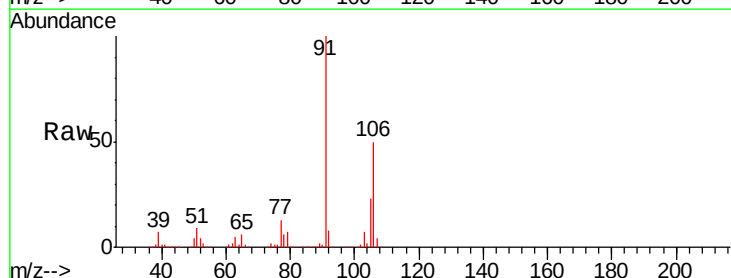
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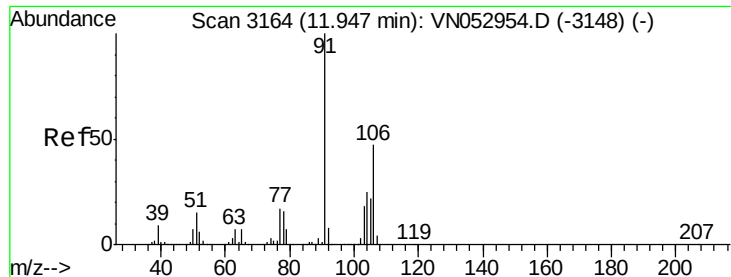
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#68  
m/p-Xylenes  
Concen: 39.861 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Tgt Ion: 106 Resp: 838929  
Ion Ratio Lower Upper  
106 100  
91 203.2 162.2 243.4





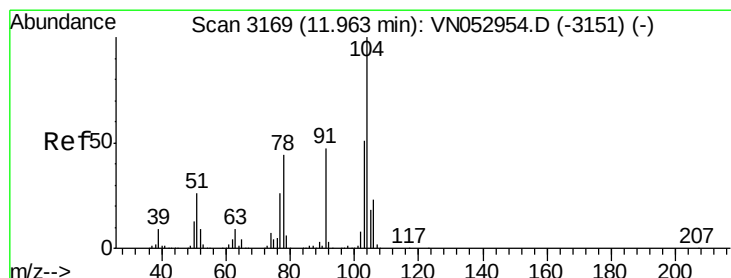
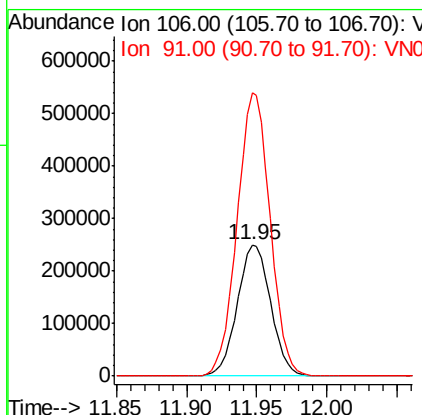
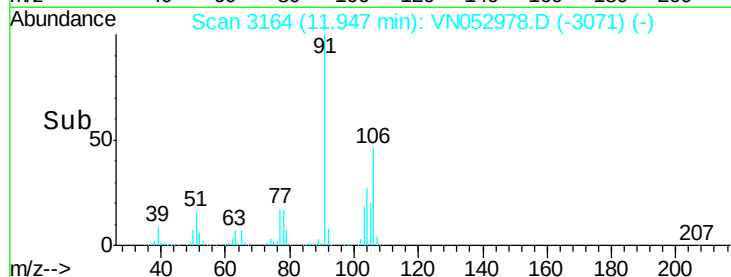
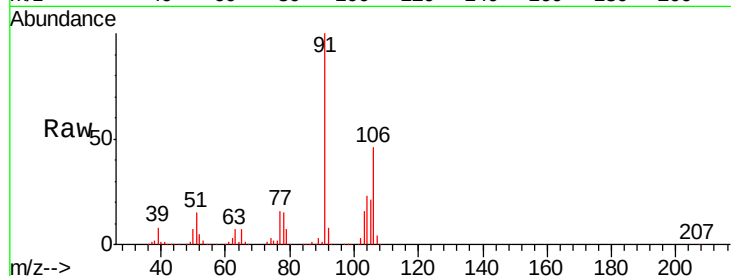
#69  
o-Xylene  
Concen: 20.531 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

Tgt Ion:106 Resp: 414648  
Ion Ratio Lower Upper  
106 100  
91 213.2 106.6 319.8

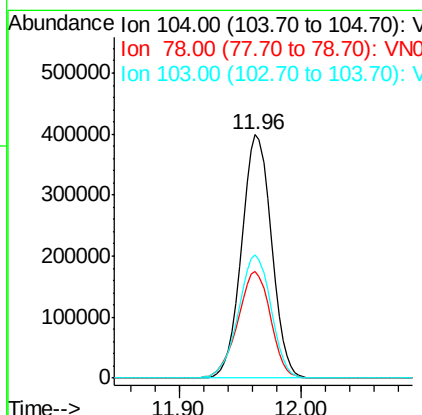
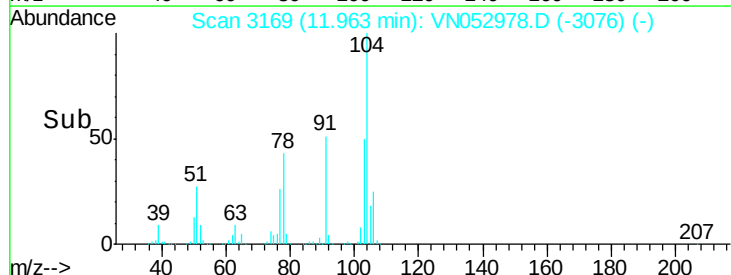
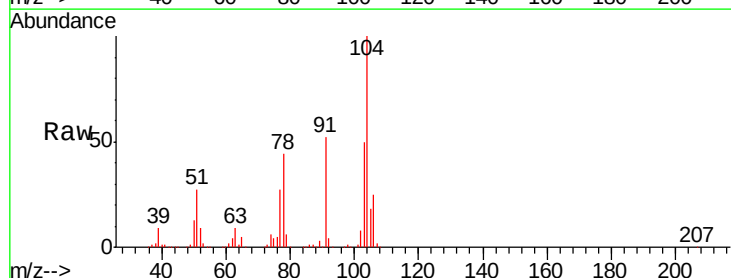
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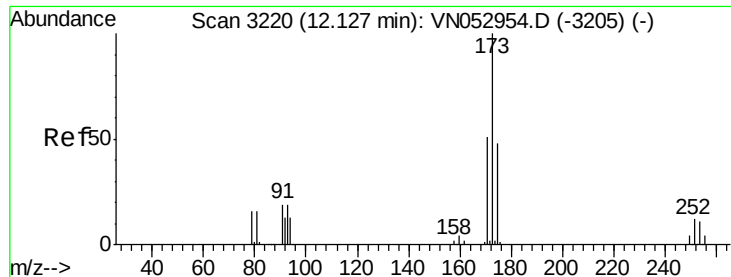


#70  
Styrene  
Concen: 20.396 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Tgt Ion:104 Resp: 671677  
Ion Ratio Lower Upper  
104 100  
78 48.1 38.9 58.3  
103 55.4 44.3 66.5







#71

Bromoform

Concen: 19.159 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBSD01

Tgt Ion:173 Resp: 154943

Ion Ratio Lower Upper

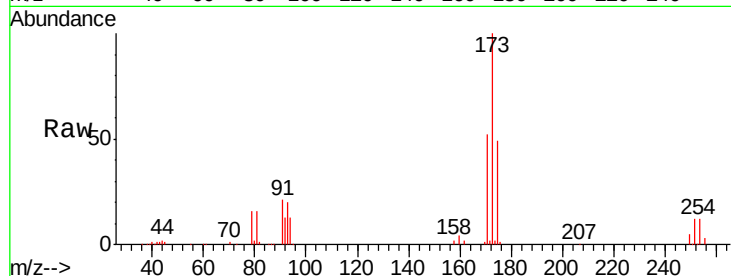
173 100

175 48.8 24.3 72.9

254 0.0 0.1 0.1#

Manual Integrations  
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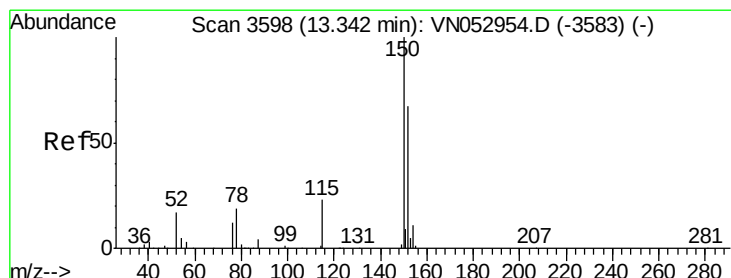
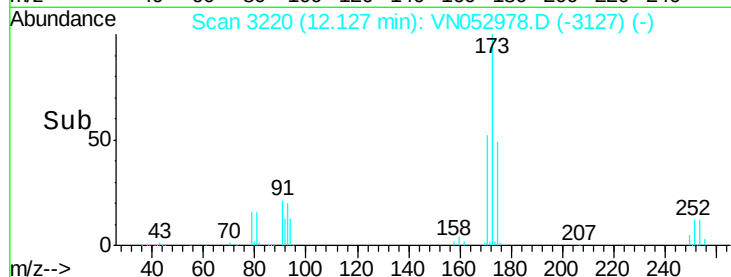
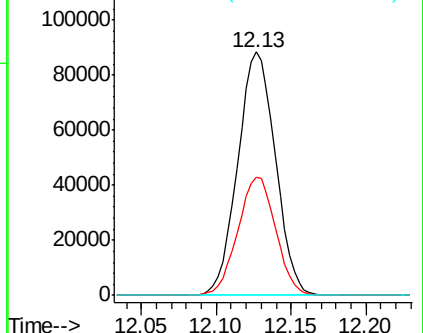
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

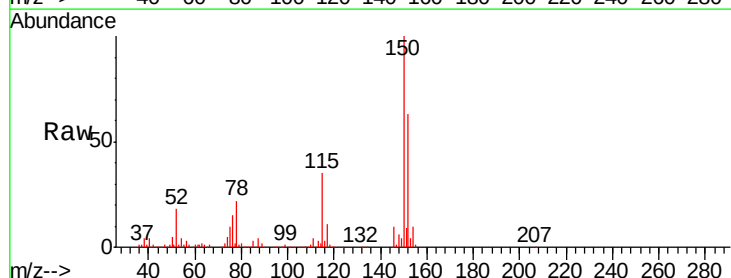
Tgt Ion:152 Resp: 678052

Ion Ratio Lower Upper

152 100

115 56.3 28.3 85.0

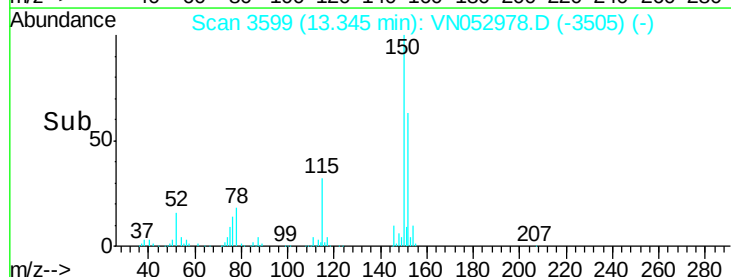
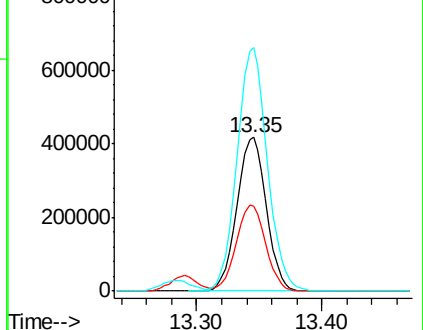
150 163.3 0.0 347.8

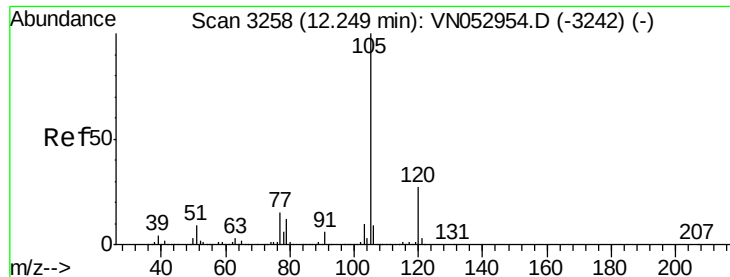


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





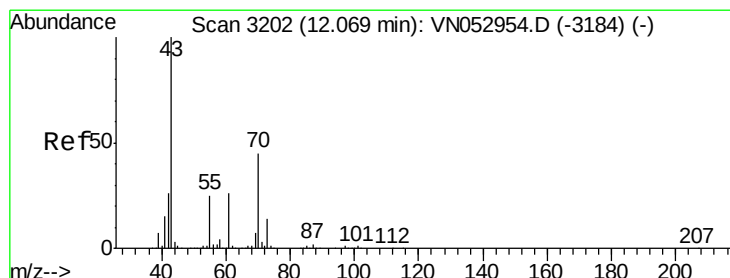
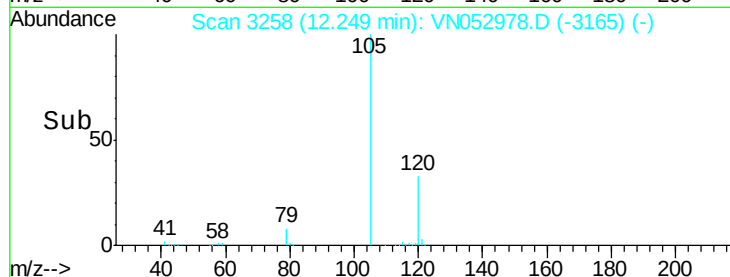
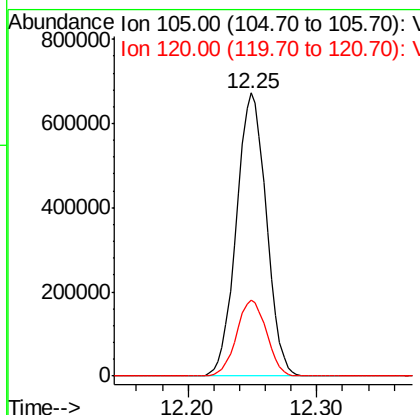
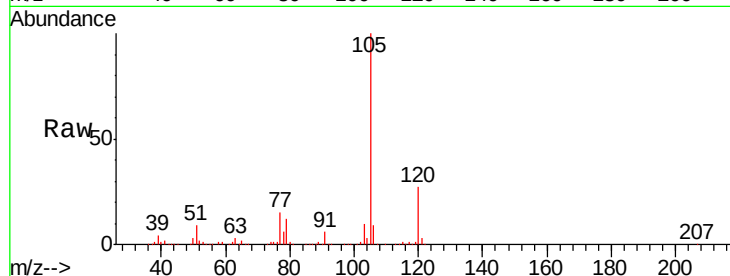
#73  
Isopropylbenzene  
Concen: 20.404 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

Tgt Ion: 105 Resp: 1082441  
Ion Ratio Lower Upper  
105 100  
120 27.0 13.3 39.9

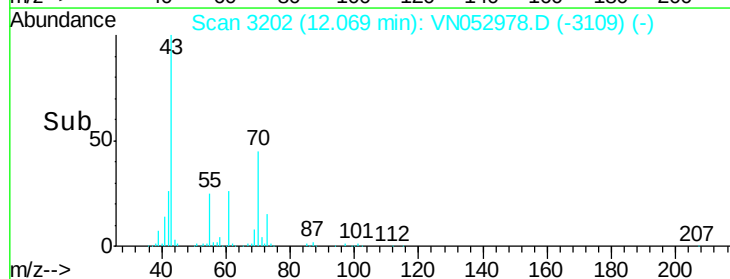
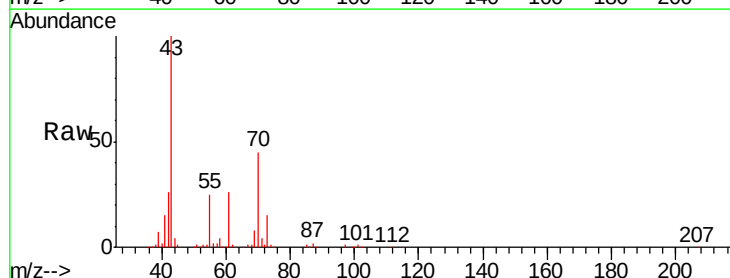
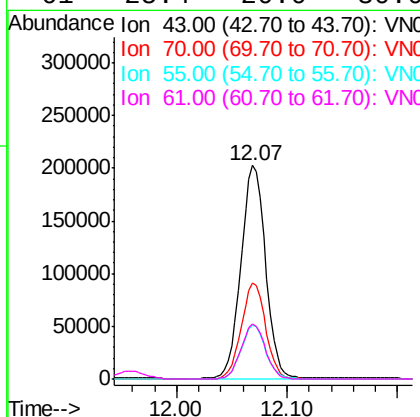
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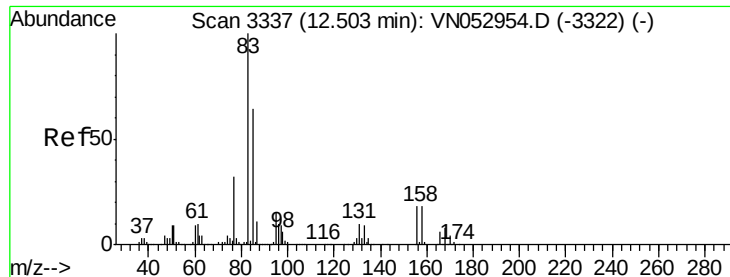
MMDadoda  
12/19/2018 12:07:43 PM



#74  
N-ethyl acetate  
Concen: 21.284 ug/l  
RT: 12.07 min Scan# 3202  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Tgt Ion: 43 Resp: 313498  
Ion Ratio Lower Upper  
43 100  
70 44.5 34.2 51.4  
55 25.3 20.3 30.5  
61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.743 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBSD01

Tgt Ion: 83 Resp: 226300  
Ion Ratio Lower Upper

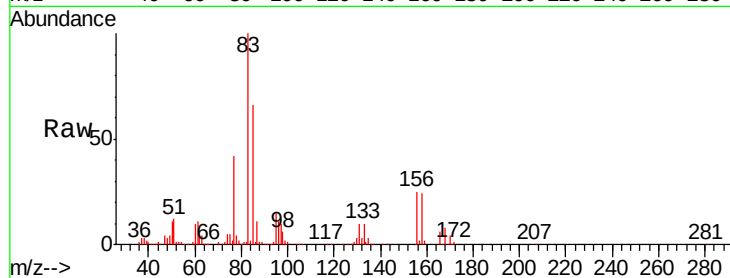
83 100

131 10.6 5.2 15.6

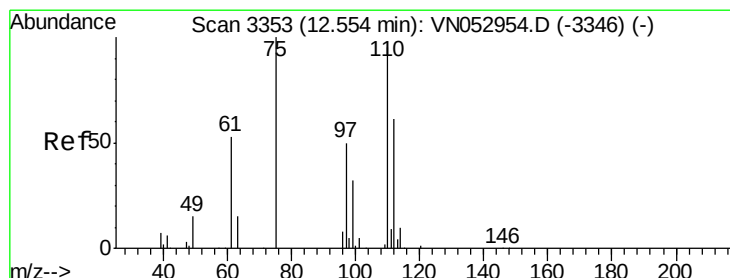
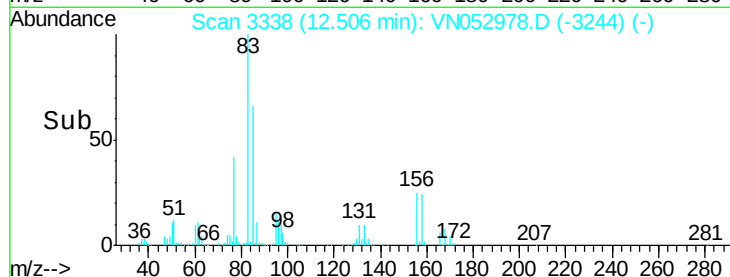
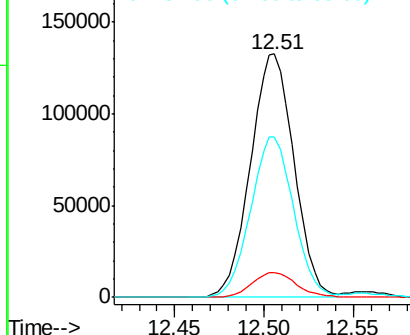
85 65.0 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 130.80 (130.50 to 131.50): VN  
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 18.516 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

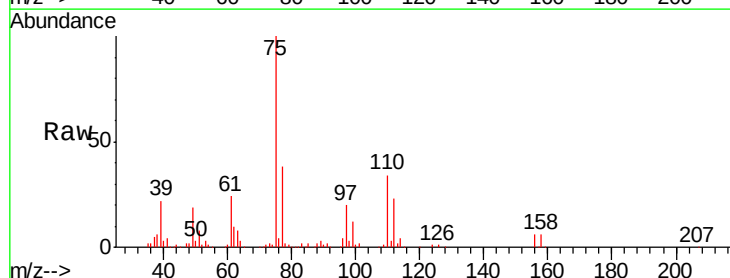
Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

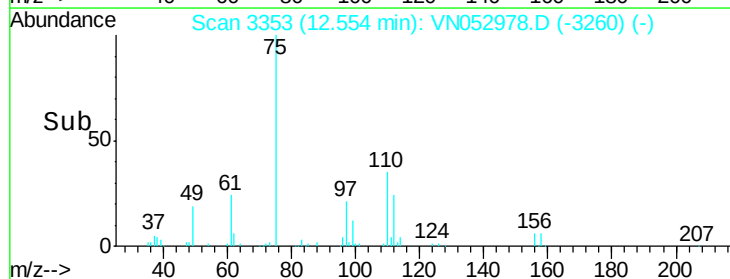
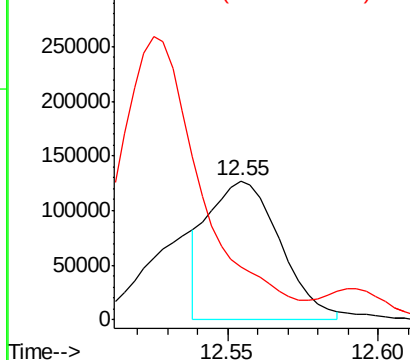
Tgt Ion: 75 Resp: 211346  
Ion Ratio Lower Upper

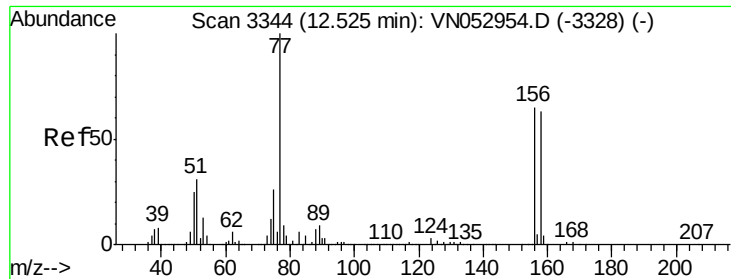
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0  
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 20.137 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

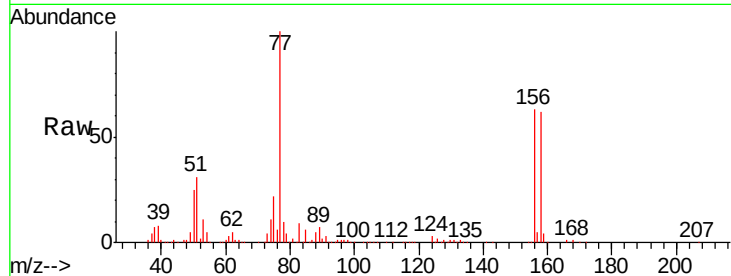
ClientSampleId :

VN1218WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 181.4 | 91.3  | 273.8 |
| 158     | 98.0  | 49.0  | 147.2 |

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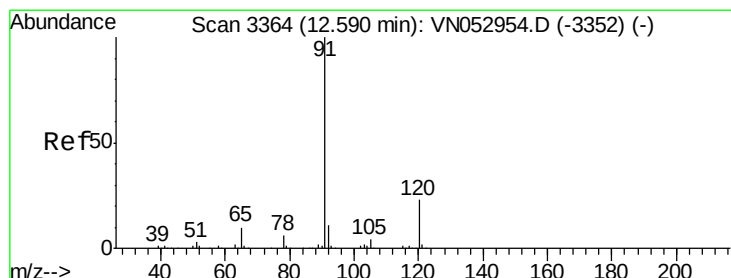
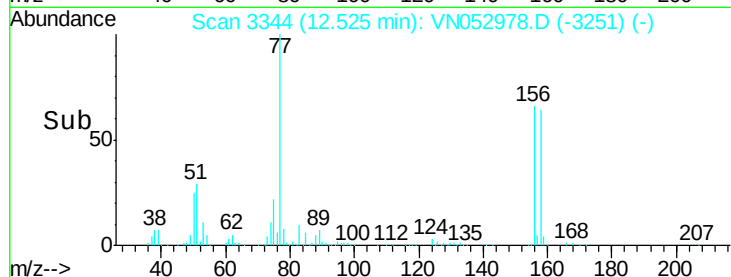
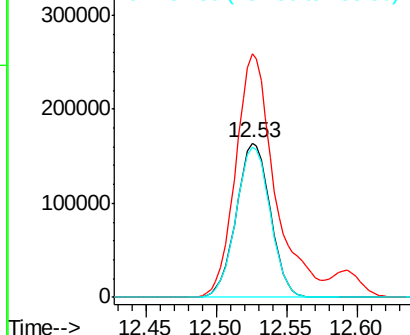
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.122 ug/l

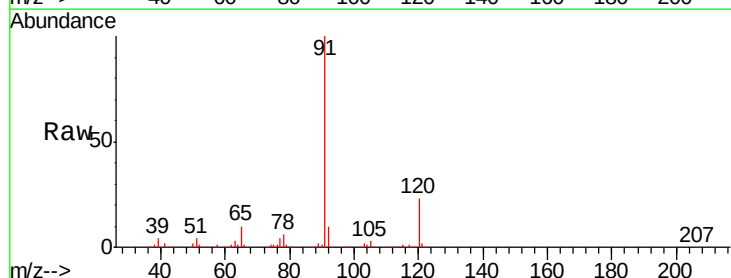
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052978.D

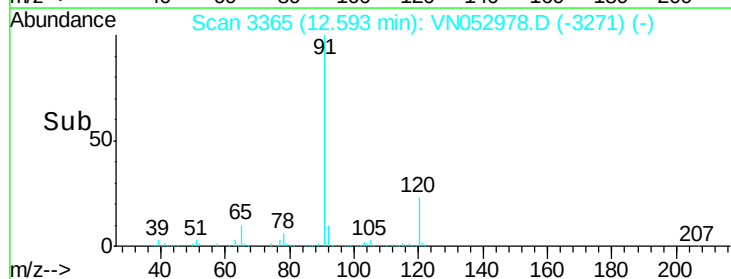
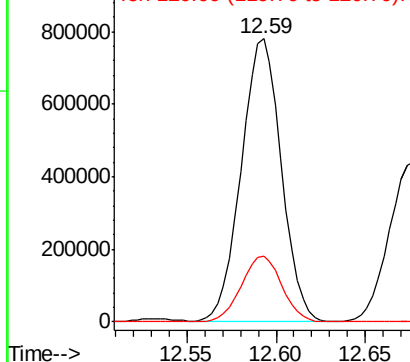
Acq: 18 Dec 2018 23:45

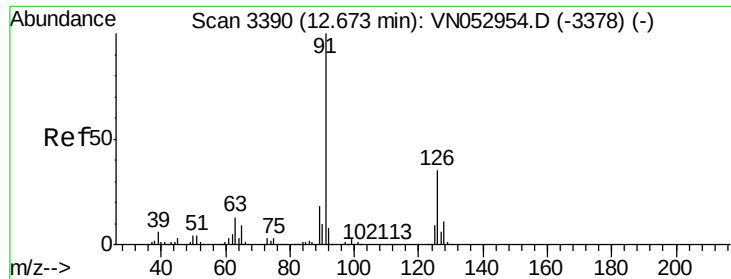
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.5  | 11.5  | 34.5  |



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.435 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBSD01

Tgt Ion: 91 Resp: 727868

Ion Ratio Lower Upper

91 100

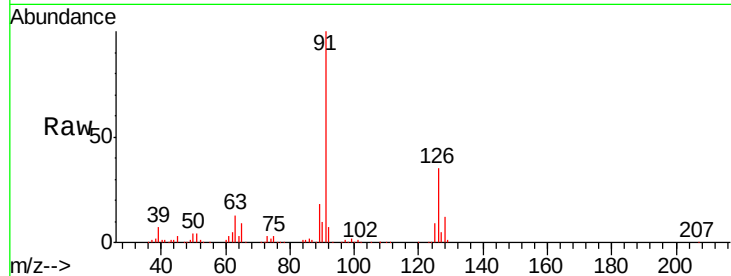
126 34.8 17.4 52.3

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Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)

600000

400000

200000

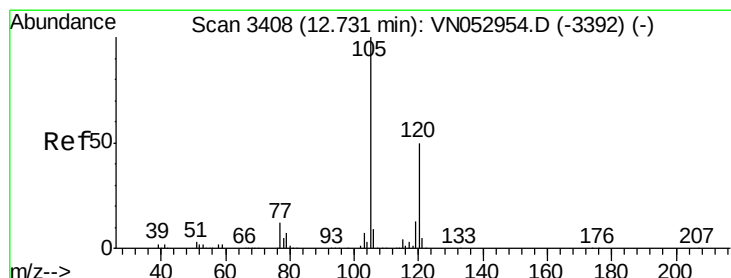
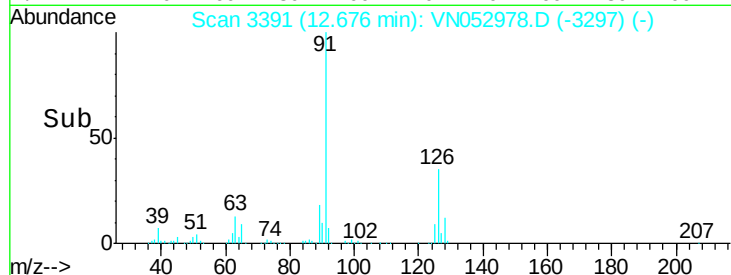
0

12.68

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.155 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052978.D

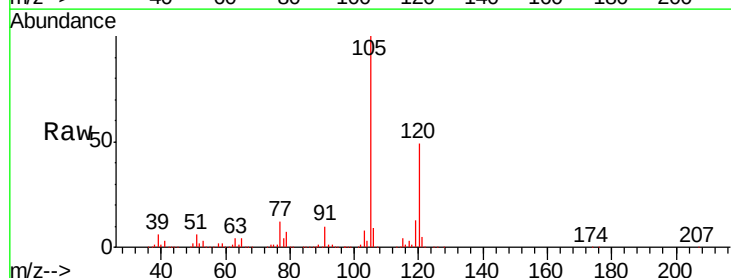
Acq: 18 Dec 2018 23:45

Tgt Ion: 105 Resp: 871553

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)

600000

500000

400000

300000

200000

100000

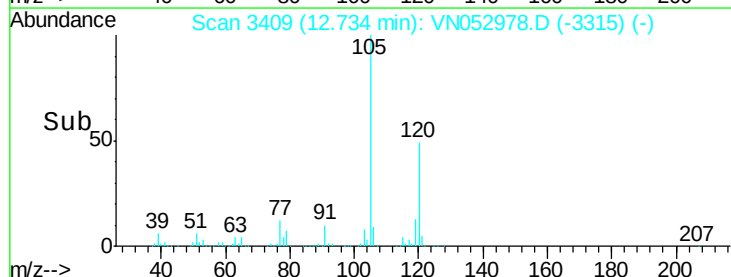
0

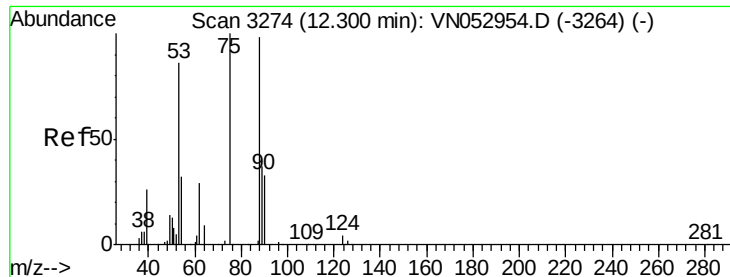
12.73

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.805 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

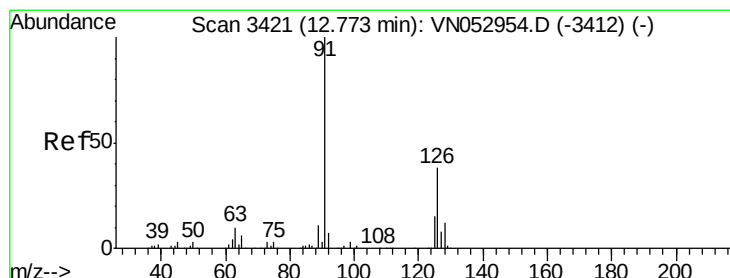
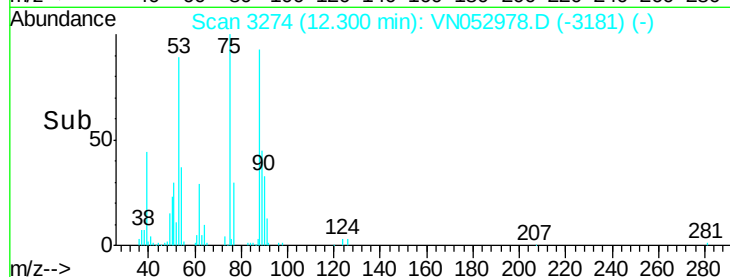
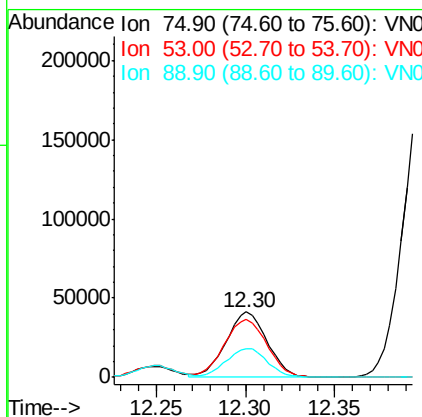
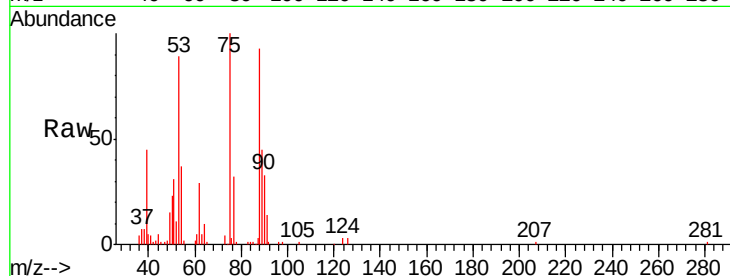
ClientSampleId :

VN1218WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 66596 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 91.4  | 74.7  | 112.1 |
| 89       | 44.2  | 36.1  | 54.1  |

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#82

4-Chlorotoluene

Concen: 20.082 ug/l

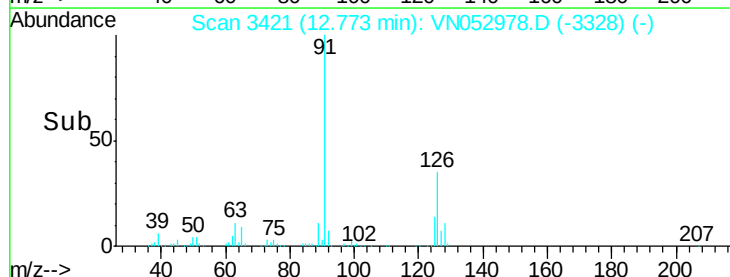
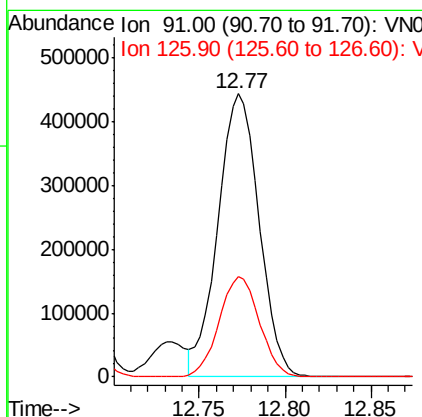
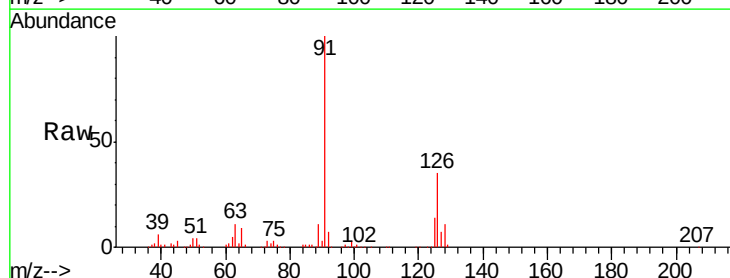
RT: 12.77 min Scan# 3421

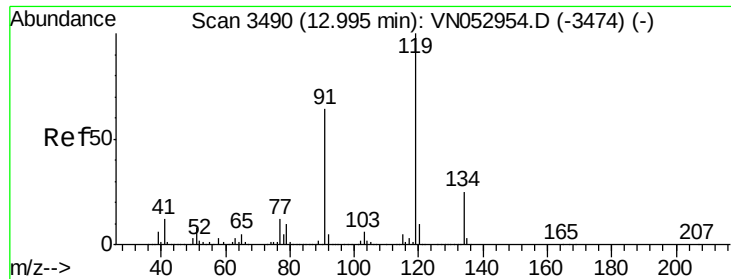
Delta R.T. -0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 736237 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 34.9  | 17.3  | 51.7   |





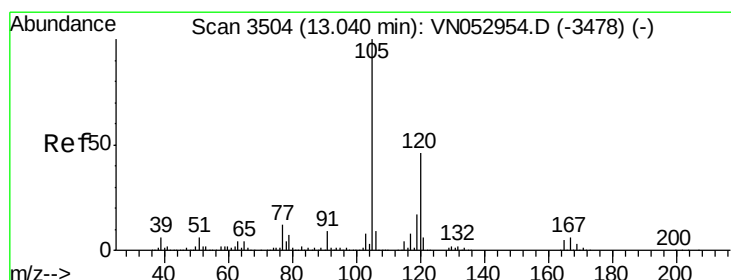
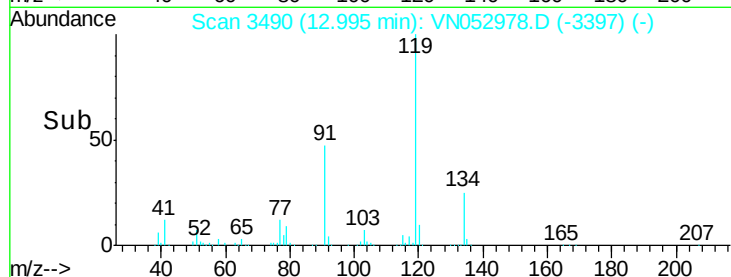
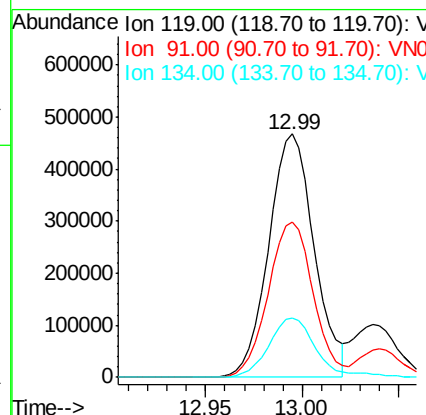
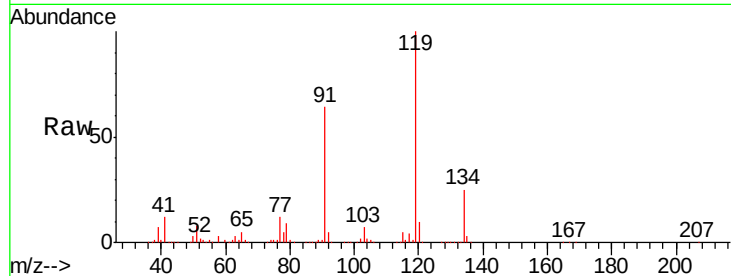
#83  
 tert-Butylbenzene  
 Concen: 20.032 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. -0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 766106 |       |       |
| 91      | 63.5  | 31.9   | 95.5  |       |
| 134     | 25.5  | 12.8   | 38.4  |       |

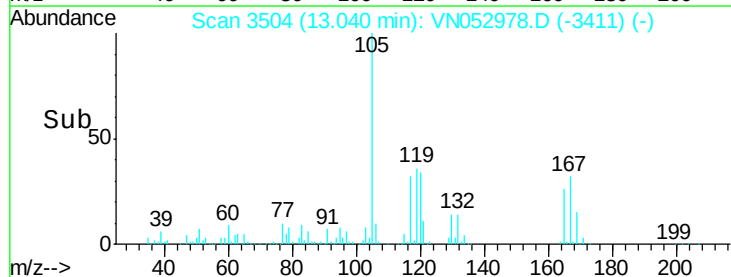
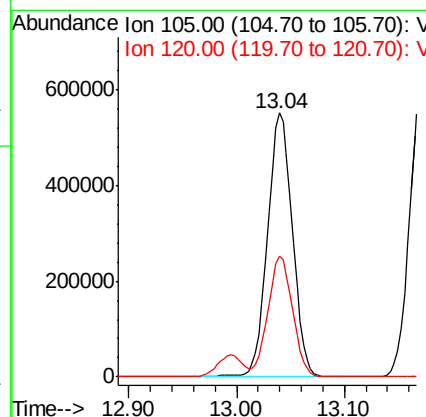
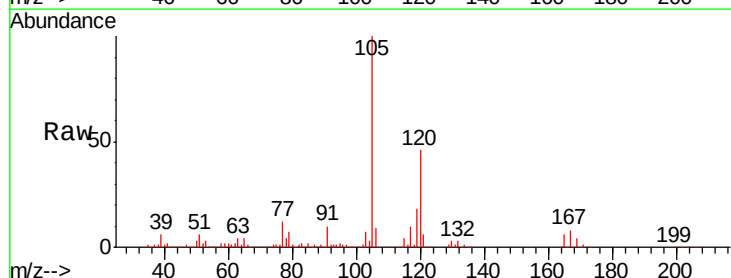
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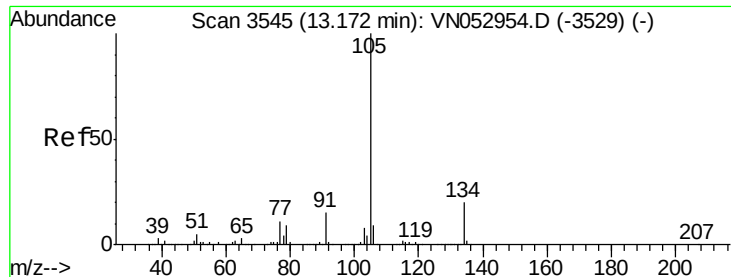
MMDadoda  
 12/19/2018 12:07:43 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.253 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. -0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 880383 |       |       |
| 120     | 45.6  | 22.9   | 68.8  |       |





#85

sec-Butylbenzene

Concen: 19.613 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

ClientSampleId :

VN1218WBSD01

Tgt Ion:105 Resp: 1014561

Ion Ratio Lower Upper

105 100

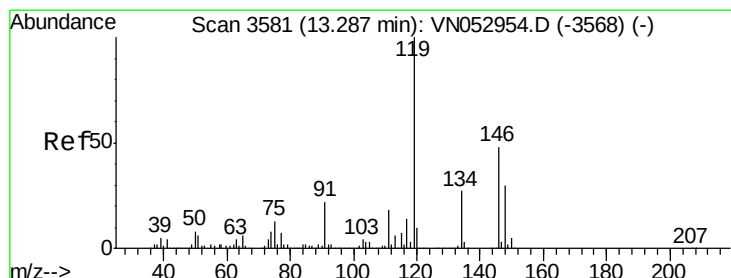
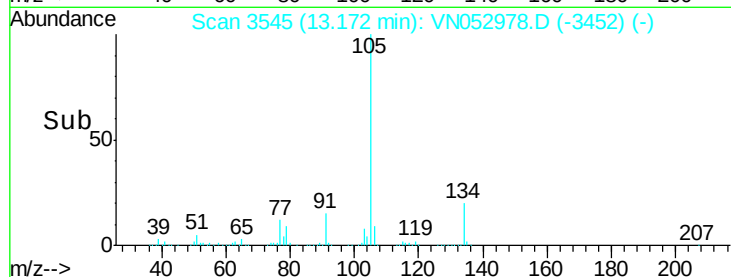
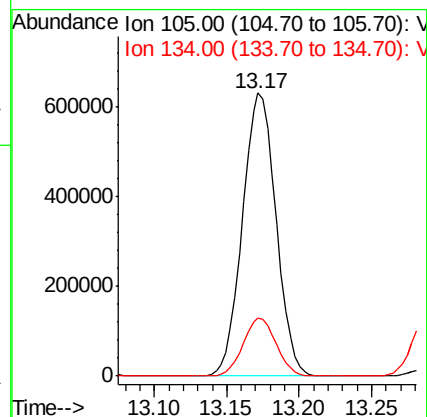
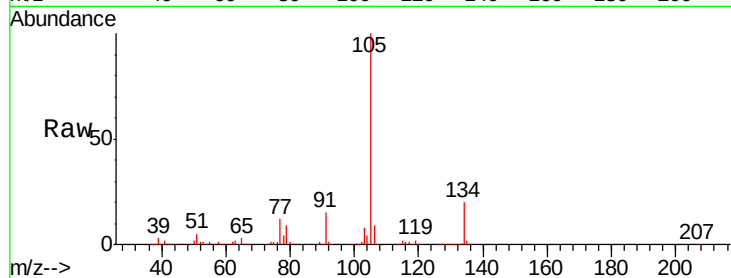
134 20.2 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 19.486 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

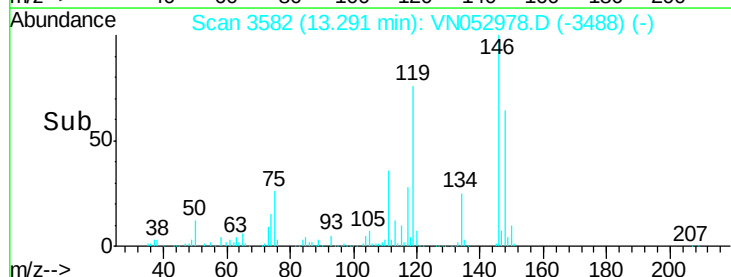
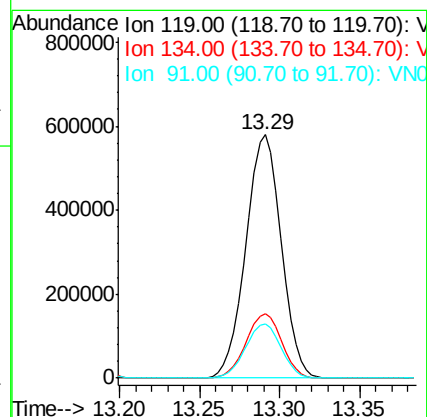
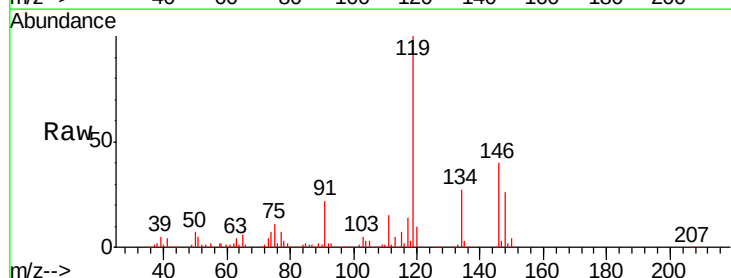
Tgt Ion:119 Resp: 870981

Ion Ratio Lower Upper

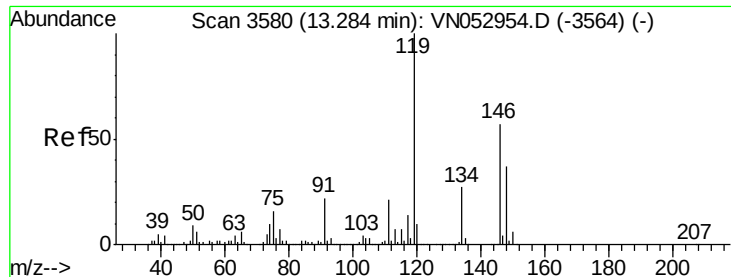
119 100

134 26.7 13.4 40.2

91 22.3 11.1 33.3







#87

1,3-Dichlorobenzene

Concen: 19.797 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

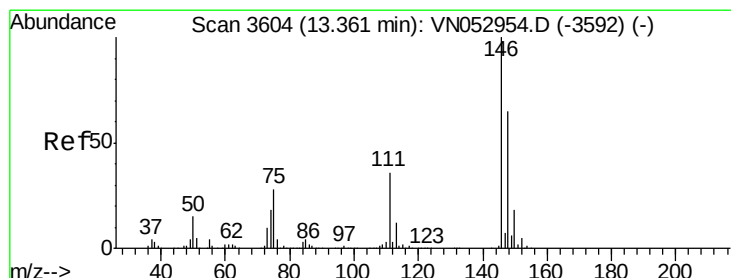
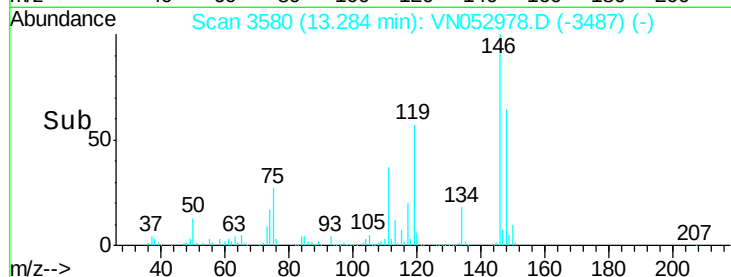
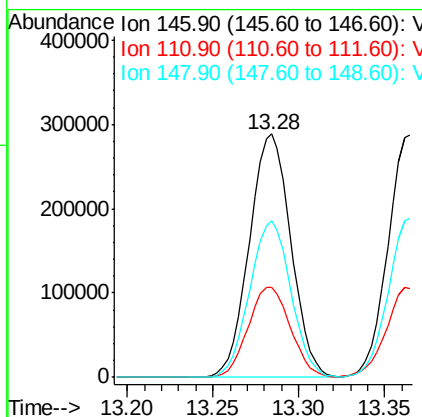
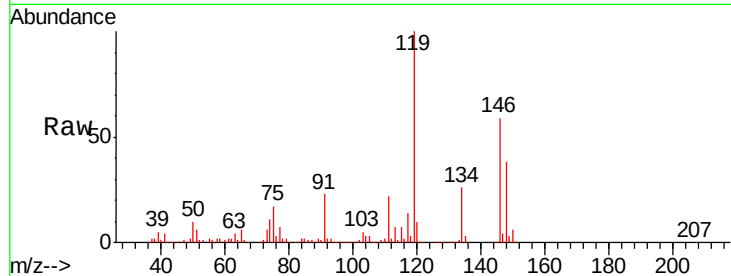
ClientSampleId :

VN1218WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 483183 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 37.8  | 19.1  | 57.1   |
| 148       | 63.7  | 32.0  | 96.0   |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 19.172 ug/l

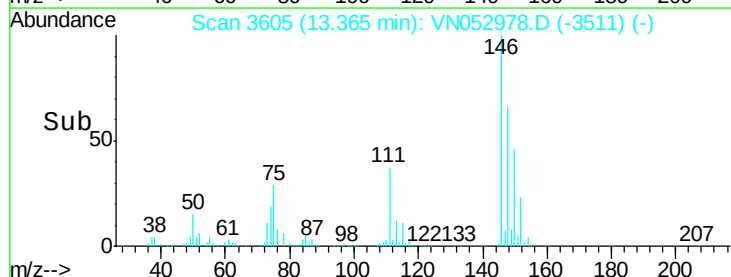
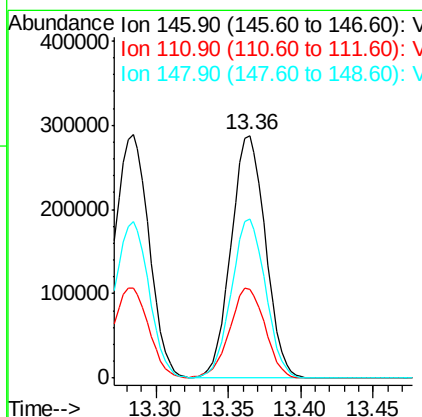
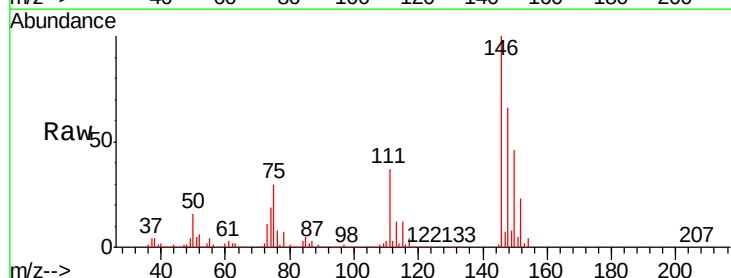
RT: 13.36 min Scan# 3605

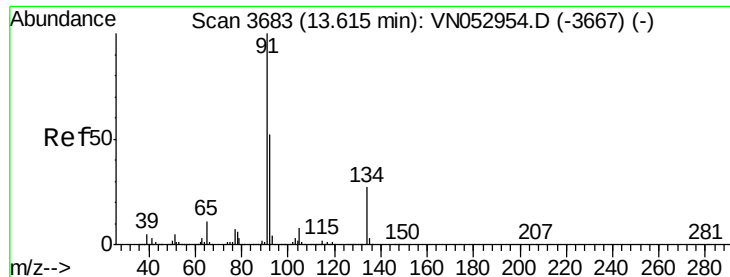
Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 473864 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.3  | 18.6  | 55.8   |
| 148       | 65.3  | 32.1  | 96.5   |





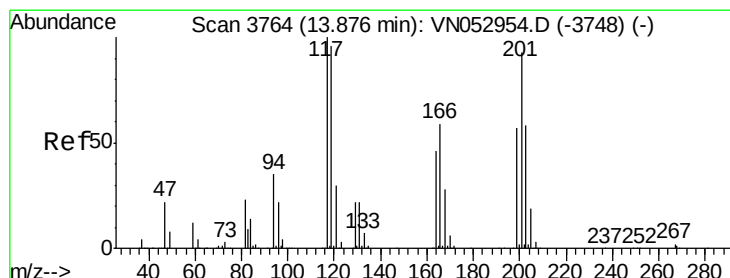
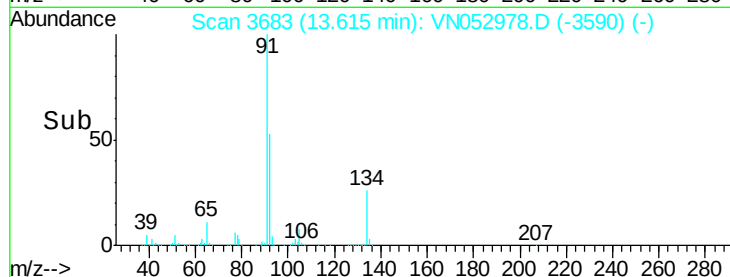
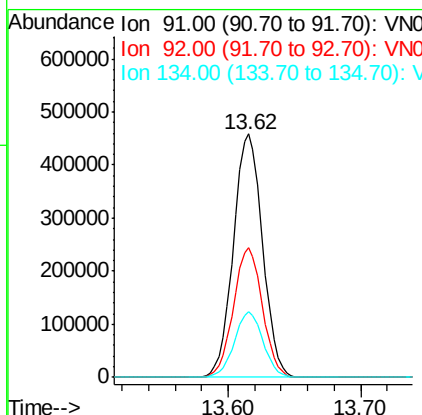
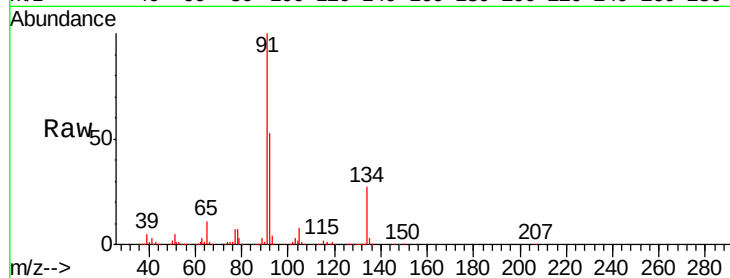
#89  
n-Butylbenzene  
Concen: 18.184 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1218WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.9  | 26.3  | 78.9  |
| 134     | 26.7  | 13.3  | 39.8  |

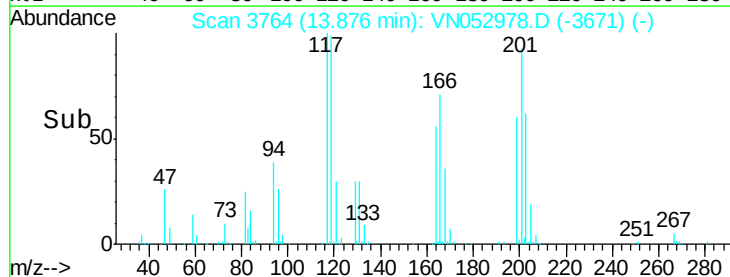
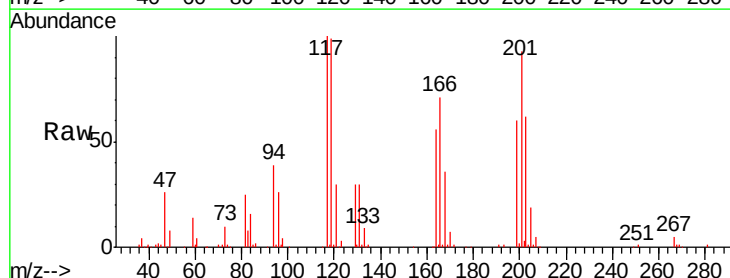
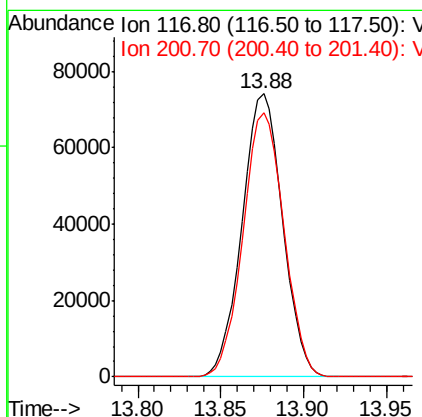
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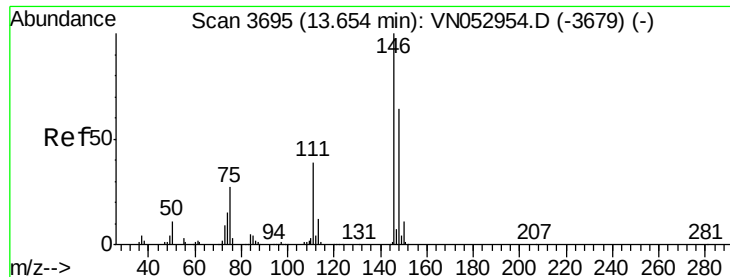
MMDadoda  
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#90  
Hexachloroethane  
Concen: 18.401 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. -0.00 min  
Lab File: VN052978.D  
Acq: 18 Dec 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 93.9  | 45.7  | 137.1 |





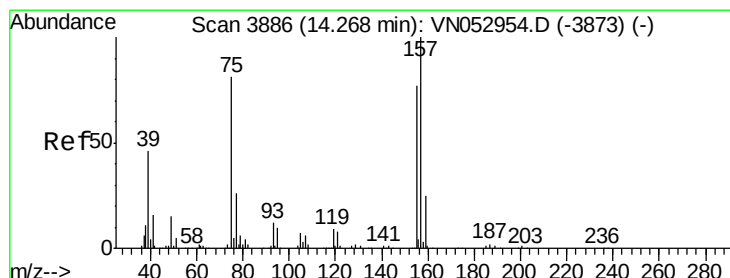
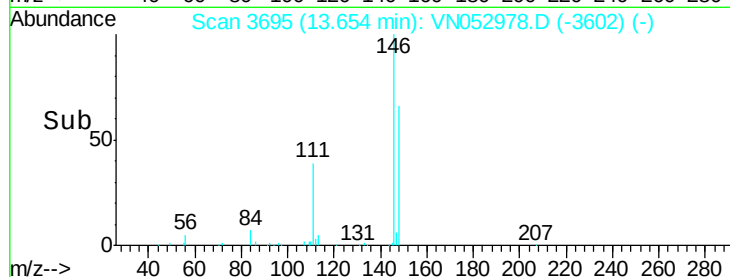
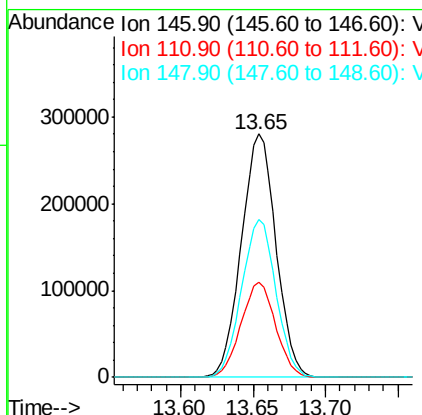
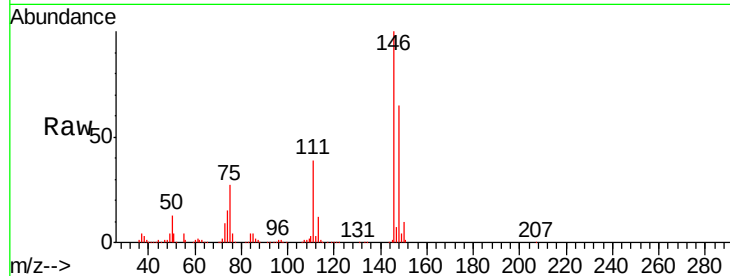
#91  
 1,2-Dichlorobenzene  
 Concen: 20.253 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. -0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 19.7  | 59.0  |
| 148     | 64.5  | 32.0  | 96.0  |

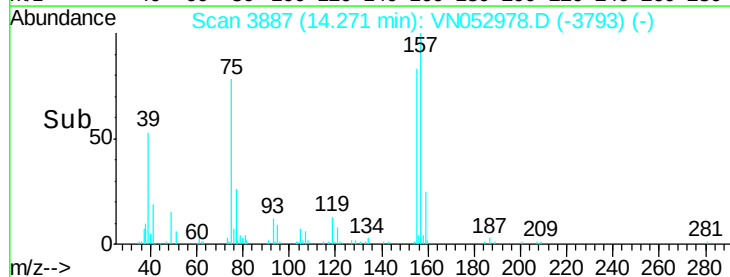
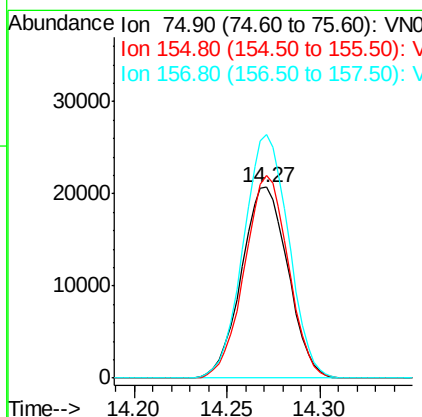
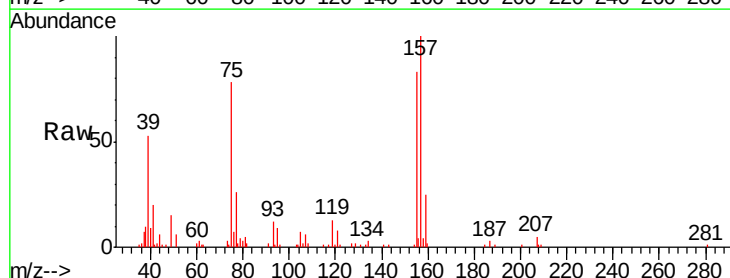
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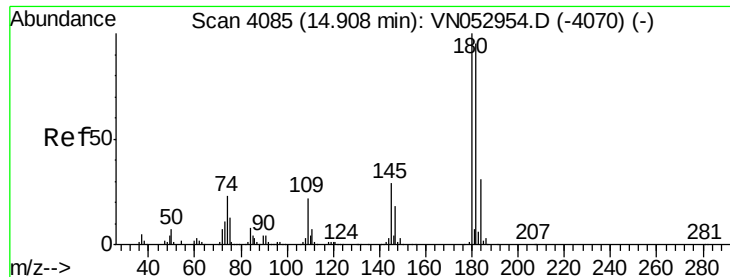
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.991 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 100.2 | 48.2  | 144.6 |
| 157     | 124.1 | 61.2  | 183.5 |





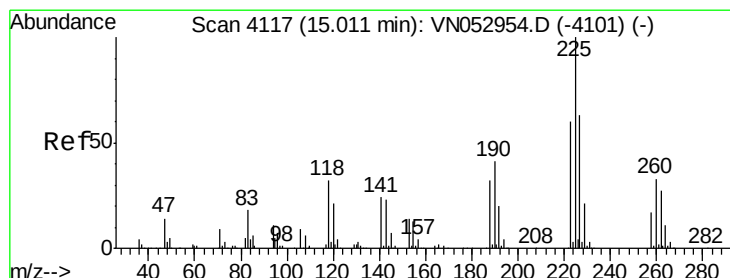
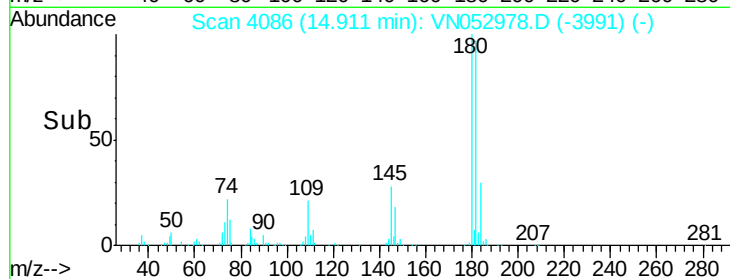
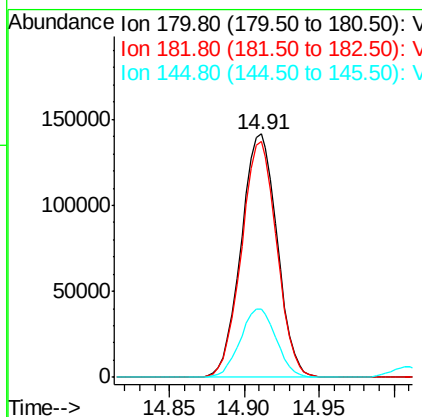
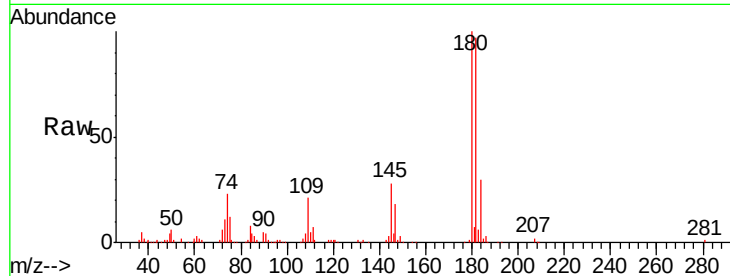
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.805 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1218WBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 236600 |       |       |
| 182     | 94.9  | 47.8   | 143.3 |       |
| 145     | 28.0  | 14.2   | 42.6  |       |

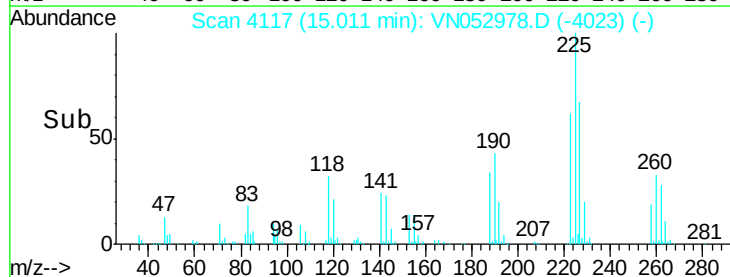
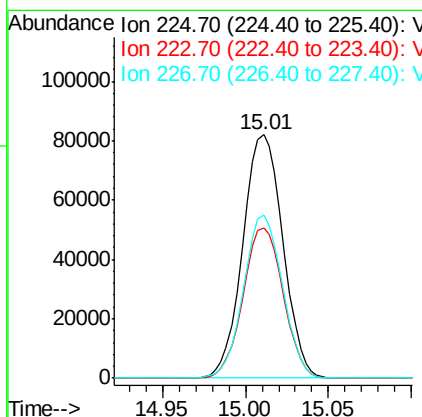
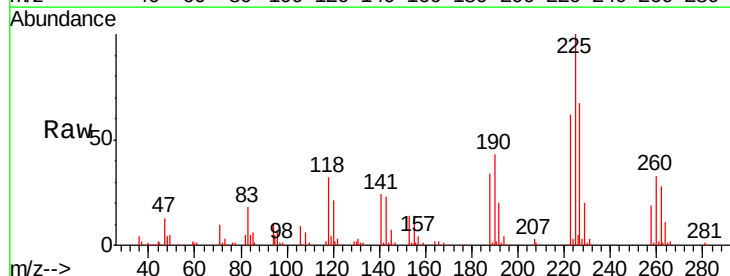
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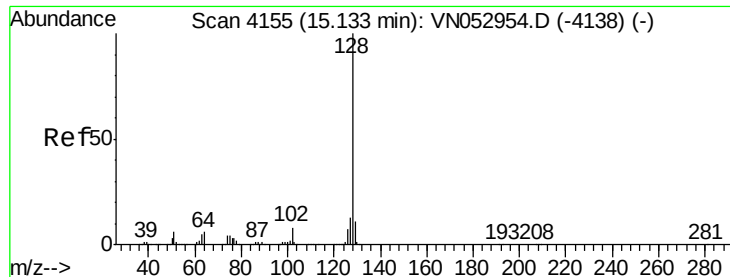
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#94  
 Hexachlorobutadiene  
 Concen: 20.213 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN052978.D  
 Acq: 18 Dec 2018 23:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 138149 |       |       |
| 223     | 61.4  | 31.5   | 94.5  |       |
| 227     | 64.9  | 31.9   | 95.7  |       |





#95

Naphthalene

Concen: 20.186 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

Instrument :

MSVOA\_N

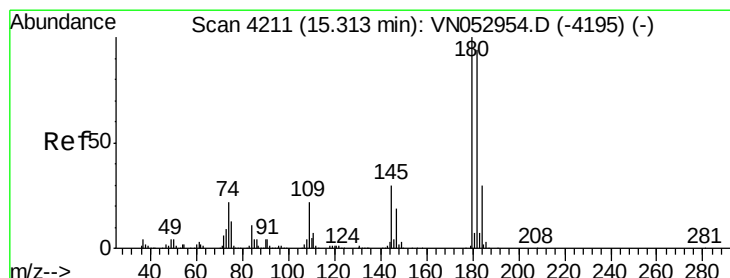
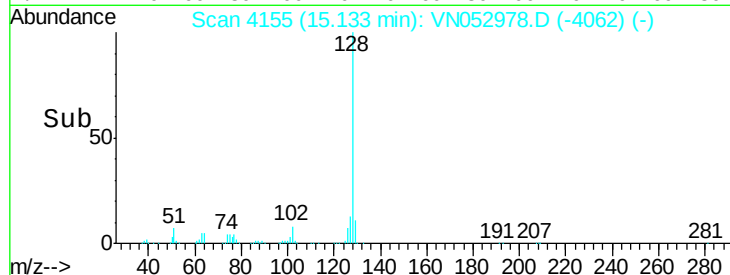
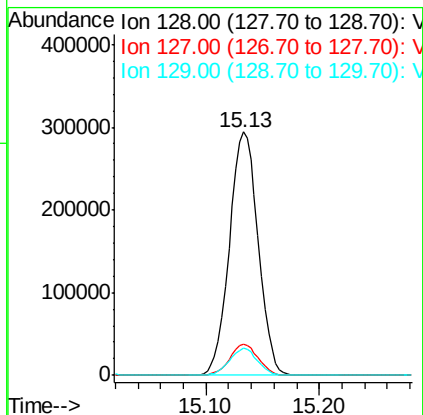
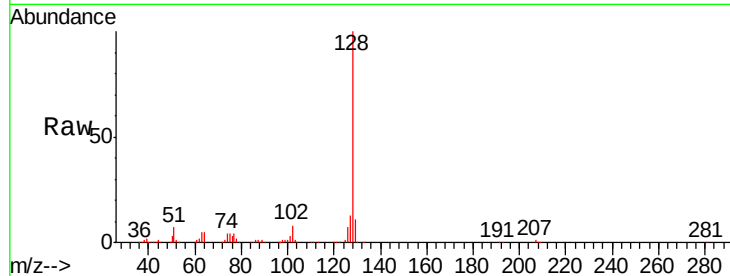
ClientSampleId :

VN1218WBSD01

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 128  | Resp: | 519490 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 12.7 | 10.2  | 15.4   |
| 129       | 10.8 | 8.6   | 13.0   |

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#96

1,2,3-Trichlorobenzene

Concen: 19.941 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052978.D

Acq: 18 Dec 2018 23:45

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 180  | Resp: | 215159 |
| Ion Ratio |      | Lower | Upper  |
| 180       | 100  |       |        |
| 182       | 94.4 | 47.9  | 143.7  |
| 145       | 30.1 | 15.0  | 45.0   |

