

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\  
 Data File : VN053556.D  
 Acq On : 28 Jan 2019 19:57  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 1/29/2019 9:52:57 AM

Quant Time: Jan 29 08:33:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011519W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 03:10:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 696837   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1063851  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 955391   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 470578   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 366002   | 53.14 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.28% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 351354   | 57.87 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 115.74% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1282411  | 49.94 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.88%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 448742   | 49.84 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.68%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 254512  | 45.428  | ug/l | 99     |
| 3) Chloromethane              | 2.06 | 50  | 359817  | 44.919  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.19 | 62  | 357336  | 46.278  | ug/l | 100    |
| 5) Bromomethane               | 2.57 | 94  | 228065  | 43.047  | ug/l | 100    |
| 6) Chloroethane               | 2.71 | 64  | 221025  | 47.345  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 499246  | 49.431  | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 208961  | 55.087  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 321875  | 50.322  | ug/l | 98     |
| 10) Methyl Iodide             | 3.96 | 142 | 494356  | 50.575  | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.78 | 59  | 140003  | 415.412 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 312702  | 50.403  | ug/l | 98     |
| 13) Acrolein                  | 3.61 | 56  | 130179  | 202.683 | ug/l | 99     |
| 14) Allyl chloride            | 4.33 | 41  | 528248  | 52.419  | ug/l | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 684733  | 308.720 | ug/l | 100    |
| 16) Acetone                   | 3.82 | 43  | 457528  | 283.133 | ug/l | 100    |
| 17) Carbon Disulfide          | 4.06 | 76  | 827423  | 44.102  | ug/l | 100    |
| 18) Methyl Acetate            | 4.33 | 43  | 346832  | 63.705  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 955766  | 57.980  | ug/l | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 374005  | 50.694  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 335990  | 50.656  | ug/l | 99     |
| 22) Diisopropyl ether         | 5.95 | 45  | 1080589 | 51.365  | ug/l | 98     |
| 23) Vinyl Acetate             | 5.90 | 43  | 3795262 | 293.479 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 656186  | 52.763  | ug/l | 100    |
| 25) 2-Butanone                | 6.83 | 43  | 757517  | 304.200 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 469876  | 50.041  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 408675  | 53.881  | ug/l | 97     |
| 28) Bromochloromethane        | 7.20 | 49  | 267453  | 48.816  | ug/l | 97     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 512192  | 315.949 | ug/l | 99     |
| 30) Chloroform                | 7.37 | 83  | 658966  | 54.383  | ug/l | 98     |
| 31) Cyclohexane               | 7.65 | 56  | 565268  | 46.690  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 545514  | 53.072  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 480833  | 49.629  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 338825  | 60.785  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 479945  | 52.324  | ug/l | 99     |

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 Sample : VSTDCCC050  
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 ALS Vial : 25 Sample Multiplier: 28

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 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 1/29/2019 9:52:57 AM

Quant Time: Jan 29 08:33:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011519W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 03:10:53 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 551273   | 46.035   | ug/l   | 100      |
| 40) Benzene                    | 8.04  | 78   | 1502241  | 51.024   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.17  | 41   | 187674   | 56.573   | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 454209   | 52.955   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 614242   | 61.283   | ug/l   | 98       |
| 44) Trichloroethene            | 8.84  | 130  | 411729   | 50.428   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 403072   | 51.687   | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 242269   | 54.073   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 506552   | 53.761   | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.20  | 41   | 286559   | 55.373   | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 84147    | 1664.916 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1641641  | 300.036  | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 928222   | 50.783   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 523150   | 54.778   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 606048   | 54.133   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 363248   | 57.643   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 463075   | 51.707   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 586790   | 53.828   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 1258930  | 285.564  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 1082882  | 281.933  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 397693   | 55.641   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 346148   | 54.313   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 395253   | 43.900   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.44 | 112  | 1029844  | 50.926   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 376294   | 53.488   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1741934  | 50.544   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 1338806  | 102.889  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 656087   | 51.890   | ug/l   | 99       |
| 70) Styrene                    | 11.97 | 104  | 1082194  | 52.737   | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 280061   | 57.825   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1708990  | 49.592   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 485031   | 52.798   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 438850   | 60.721   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 333859m  | 53.837   | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 460632   | 50.728   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 1983545  | 50.144   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 1172616  | 50.011   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1445120  | 51.541   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 124800   | 50.884   | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1197950  | 50.101   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1266015  | 51.123   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1490029  | 52.705   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1732240  | 51.005   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1527532  | 51.800   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 819490   | 51.305   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 807392   | 50.392   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.62 | 91   | 1307754  | 52.026   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 240835   | 52.074   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 803786   | 54.698   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 64781    | 70.690   | ug/l   | 95       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 25 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

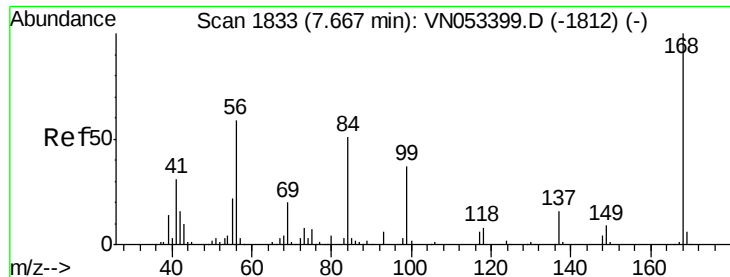
MMDadoda  
1/29/2019 9:52:57 AM

Quant Time: Jan 29 08:33:54 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011519W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 16 03:10:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 479218   | 72.587 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 268600   | 58.594 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 1114933  | 94.227 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 453205   | 91.970 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 696837

Ion Ratio Lower Upper

168 100

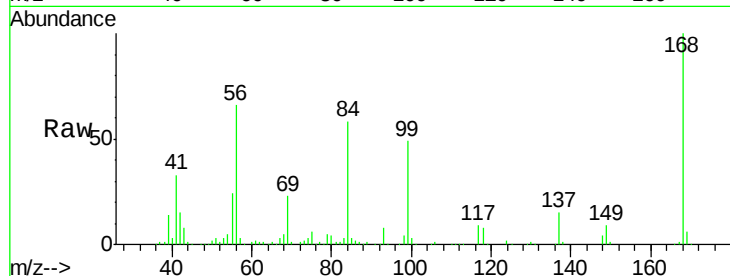
99 49.1 39.1 58.7

Manual Integrations

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MMDadoda

1/29/2019 9:52:57 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

150000

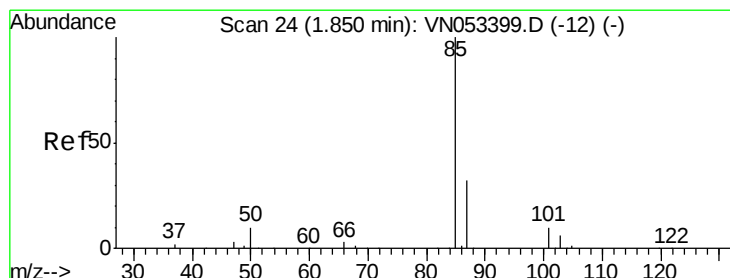
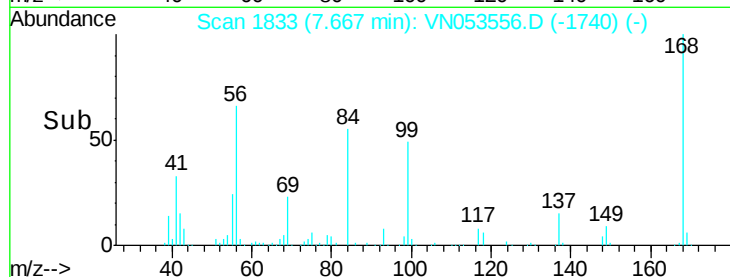
100000

50000

0

7.60 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.428 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053556.D

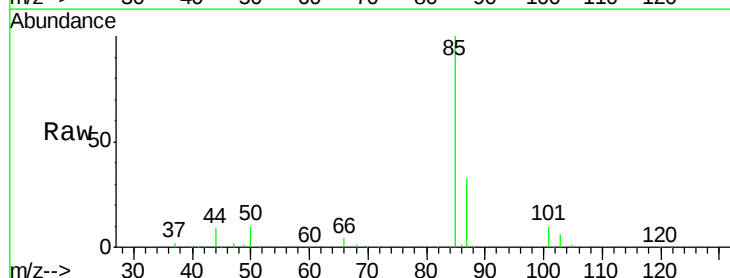
Acq: 28 Jan 2019 19:57

Tgt Ion: 85 Resp: 254512

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

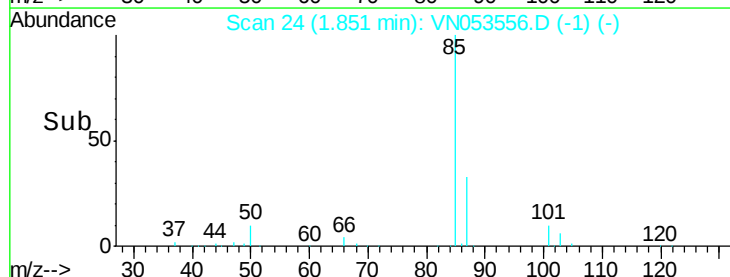
100000

50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 44.919 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 359817

Ion Ratio Lower Upper

50 100

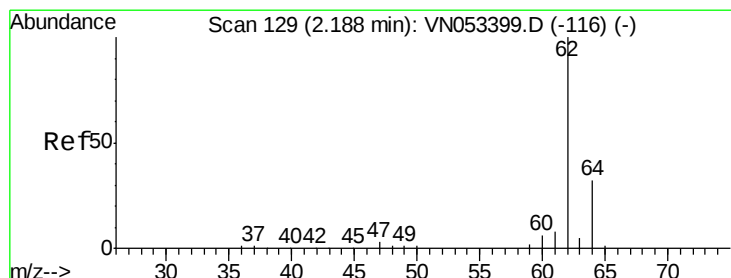
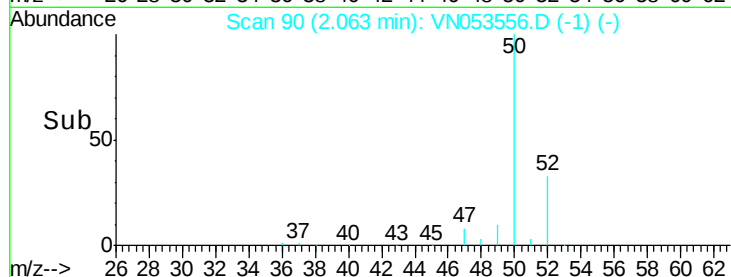
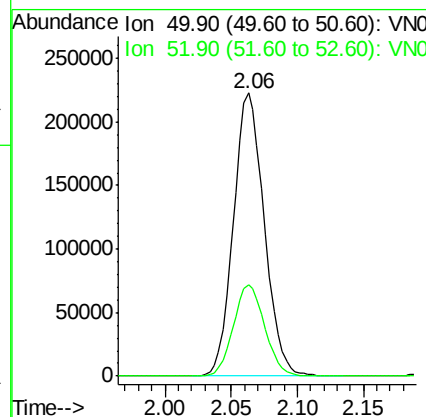
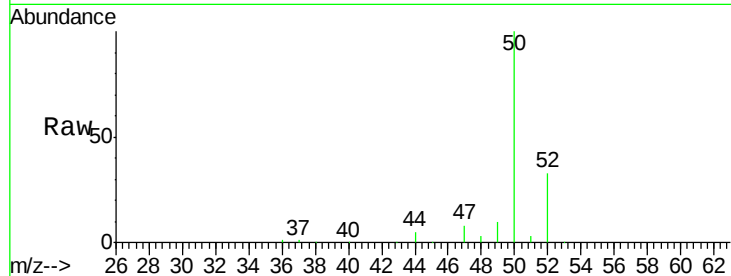
52 32.5 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

1/29/2019 9:52:57 AM



#4

Vinyl Chloride

Concen: 46.278 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053556.D

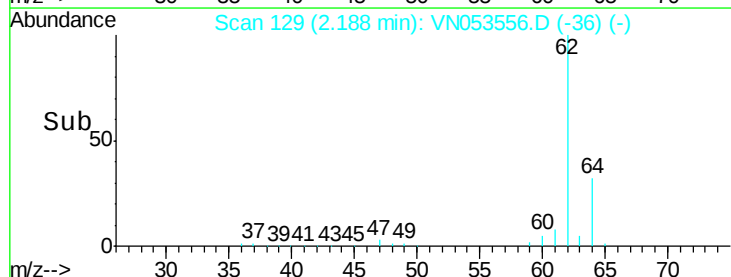
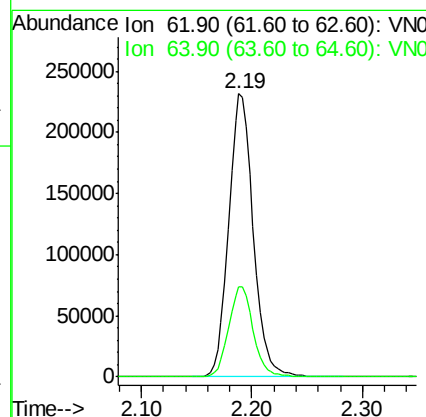
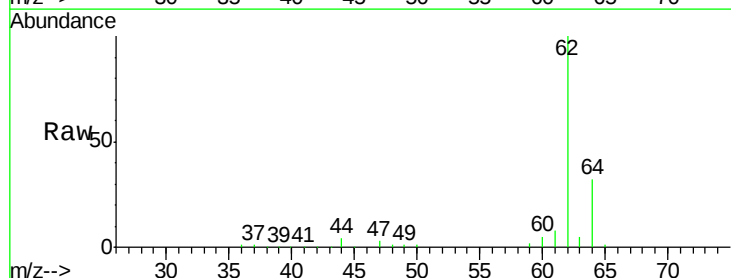
Acq: 28 Jan 2019 19:57

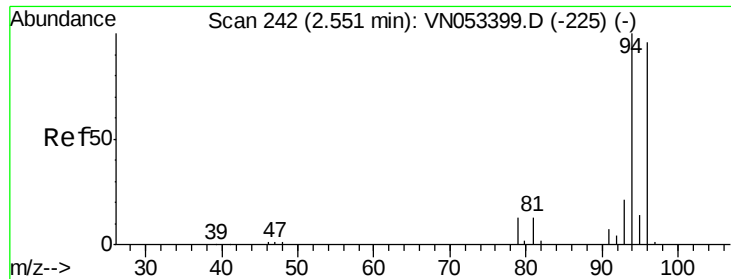
Tgt Ion: 62 Resp: 357336

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 43.047 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.02 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 228065

Ion Ratio Lower Upper

94 100

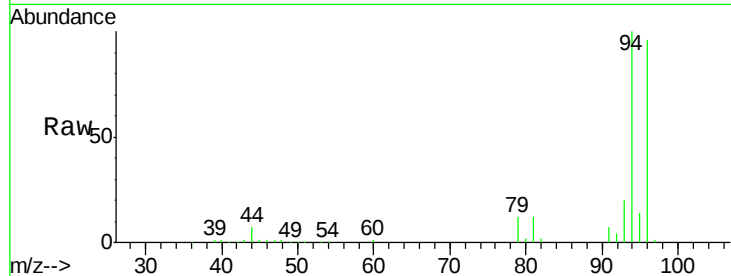
96 96.0 76.8 115.2

Manual Integrations

APPROVED

MMDadoda

1/29/2019 9:52:57 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

120000

100000

80000

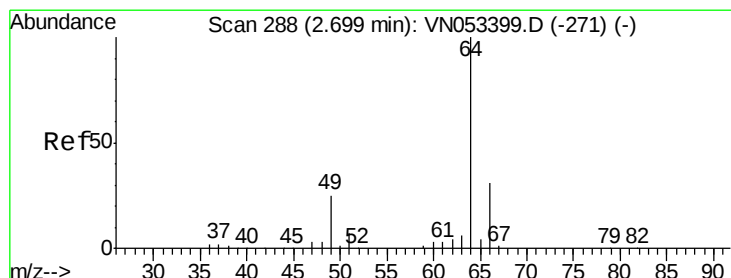
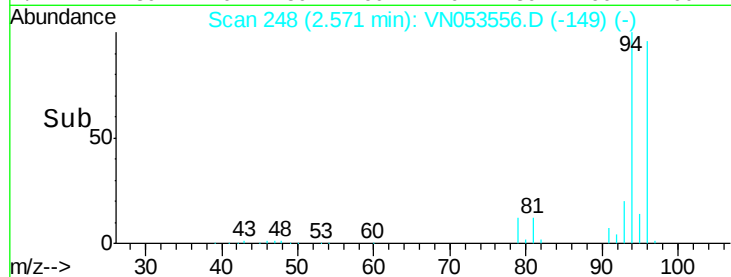
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 47.345 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053556.D

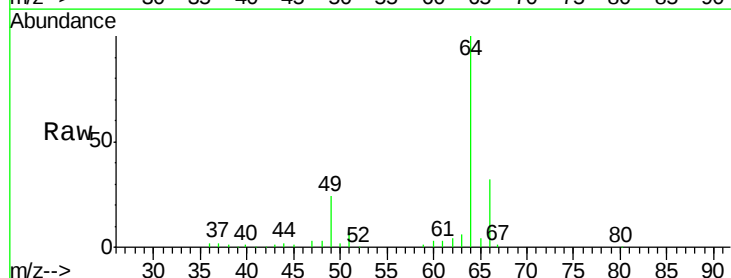
Acq: 28 Jan 2019 19:57

Tgt Ion: 64 Resp: 221025

Ion Ratio Lower Upper

64 100

66 31.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

120000

100000

80000

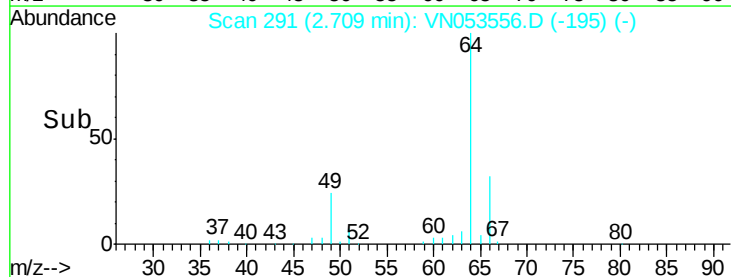
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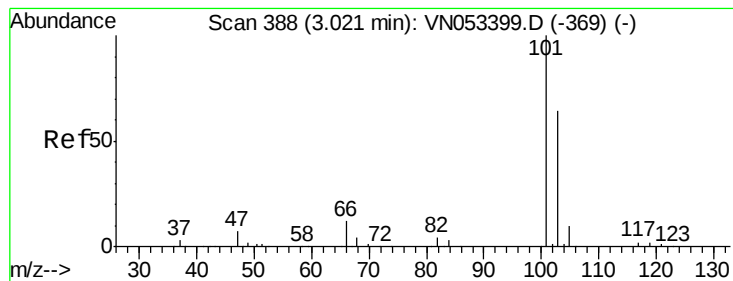
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20000

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Time-->





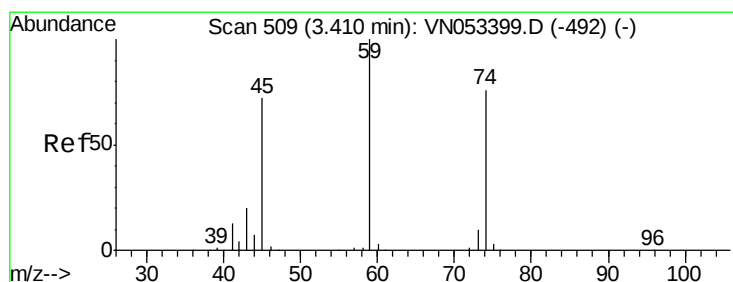
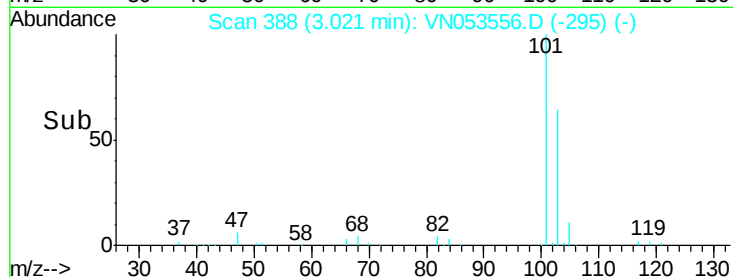
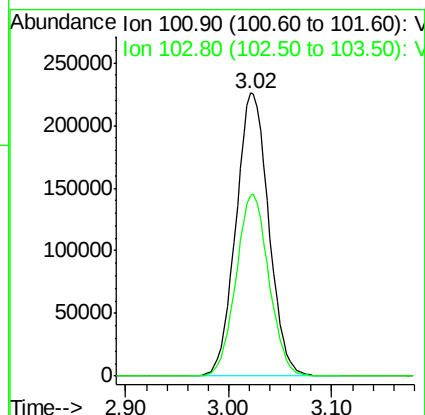
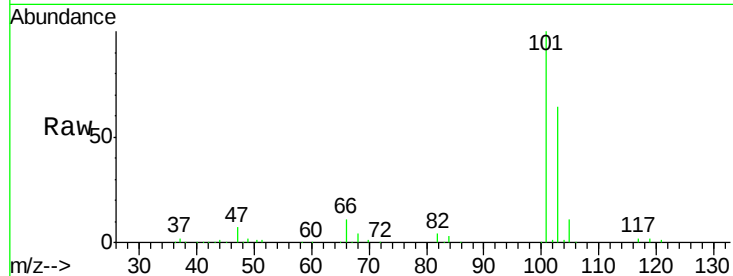
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 Trichlorofluoromethane  
 Concen: 49.431 ug/l  
 RT: 3.02 min Scan# 388  
 Delta R.T. 0.00 min  
 Lab File: VN053556.D  
 Acq: 28 Jan 2019 19:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 101 Resp: 499246  
 Ion Ratio Lower Upper  
 101 100  
 103 64.1 51.6 77.4

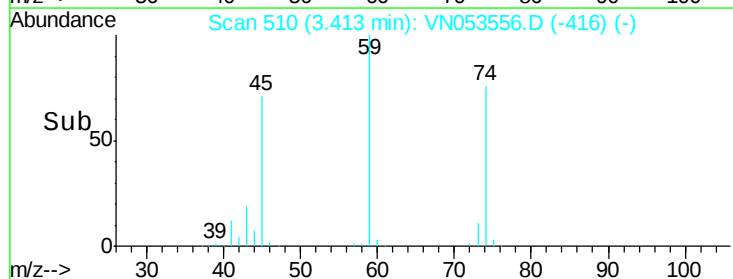
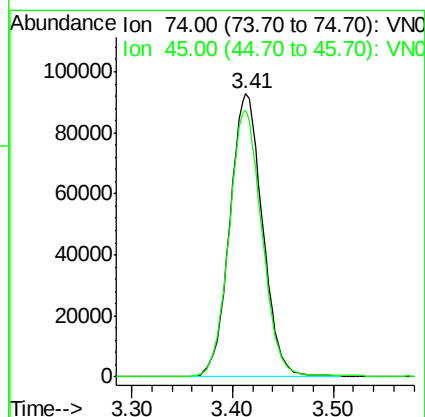
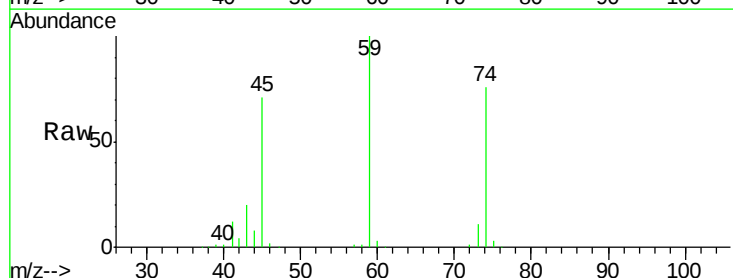
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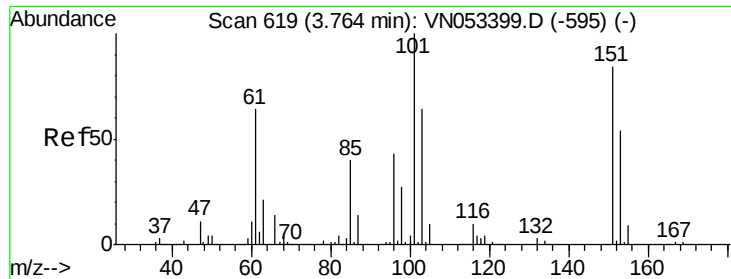
MMDadoda  
 1/29/2019 9:52:57 AM



#8  
 Diethyl Ether  
 Concen: 55.087 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VN053556.D  
 Acq: 28 Jan 2019 19:57

Tgt Ion: 74 Resp: 208961  
 Ion Ratio Lower Upper  
 74 100  
 45 93.6 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.322 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053556.D

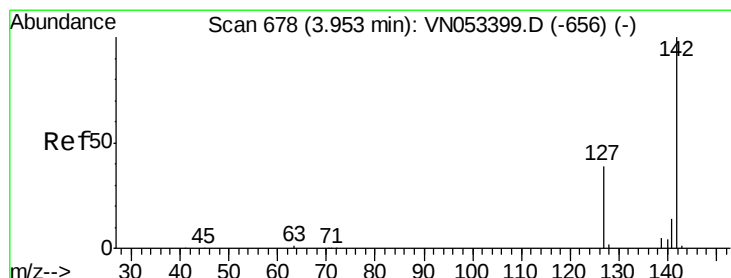
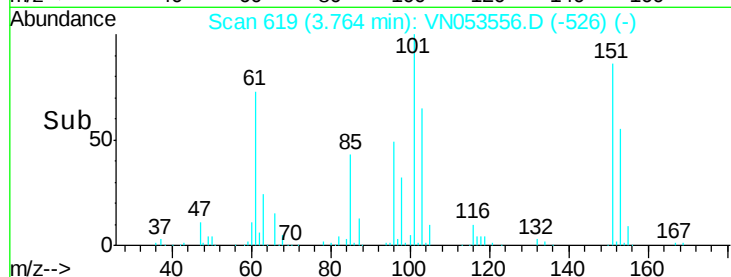
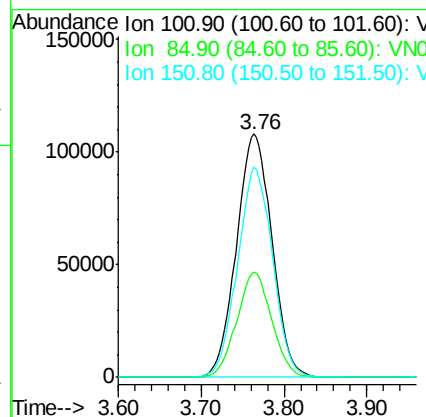
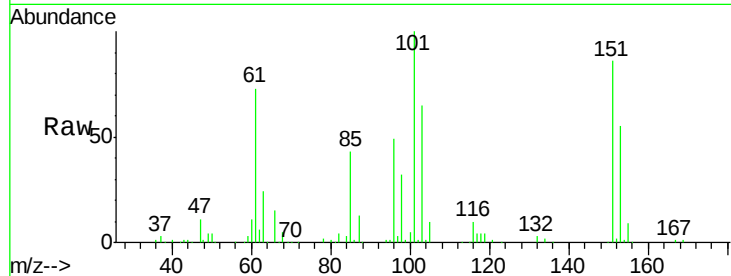
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 321875 |       |       |
| 85      | 42.4  |        | 32.8  | 49.2  |
| 151     | 85.3  |        | 66.9  | 100.3 |

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#10

Methyl Iodide

Concen: 50.575 ug/l

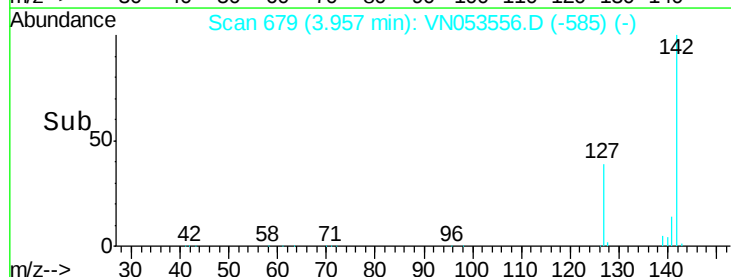
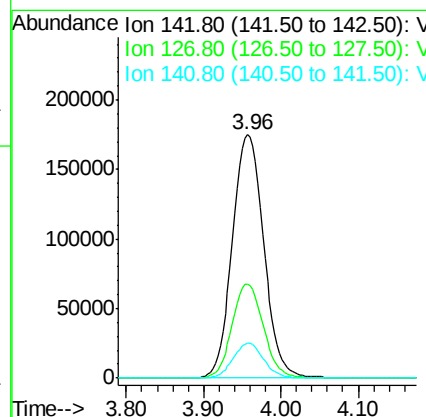
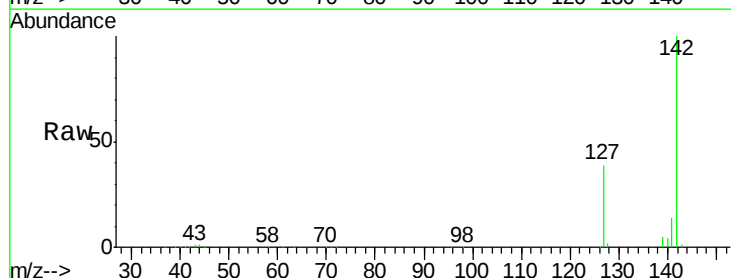
RT: 3.96 min Scan# 679

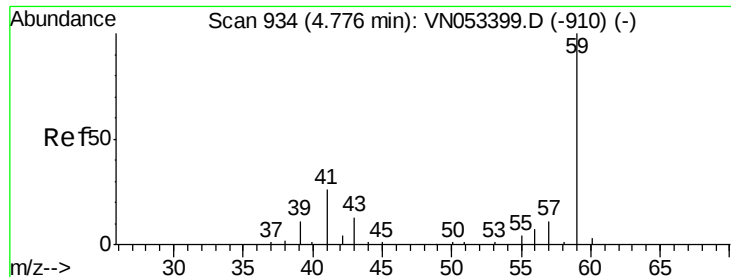
Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 494356 |       |       |
| 127     | 38.5  |        | 31.0  | 46.4  |
| 141     | 14.0  |        | 11.1  | 16.7  |





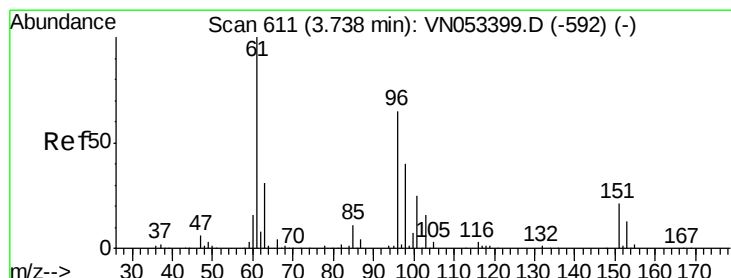
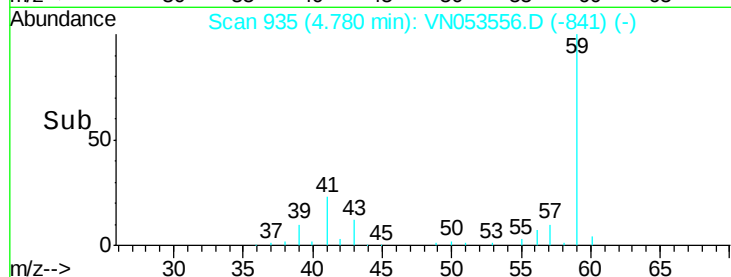
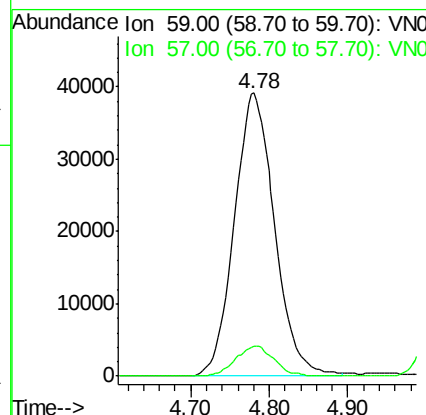
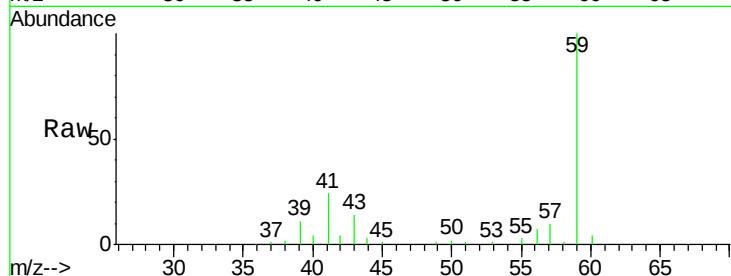
#11  
Tert butyl alcohol  
Concen: 415.412 ug/l  
RT: 4.78 min Scan# 935  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 59      | 100   | 140003 |       |       |
| 57      | 10.1  |        | 8.2   | 12.4  |

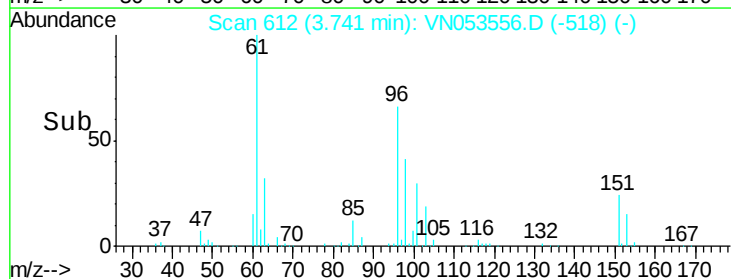
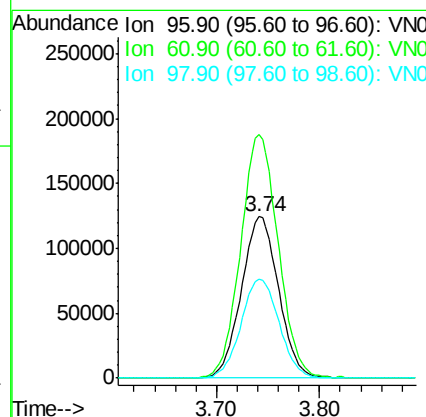
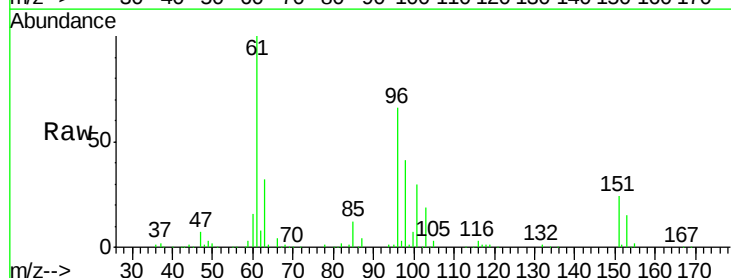
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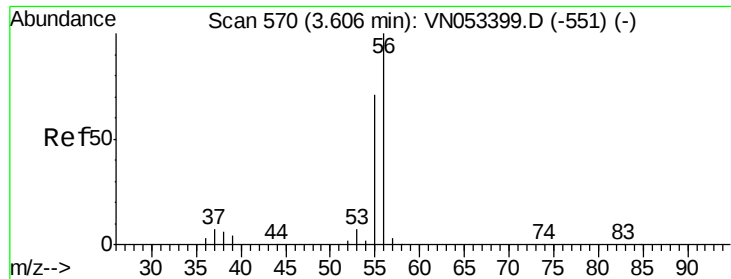
MMDadoda  
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#12  
1,1-Dichloroethene  
Concen: 50.403 ug/l  
RT: 3.74 min Scan# 612  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 312702 |       |       |
| 61      | 150.7 |        | 122.9 | 184.3 |
| 98      | 61.4  |        | 49.4  | 74.0  |





#13

Acrolein

Concen: 202.683 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 130179

Ion Ratio Lower Upper

56 100

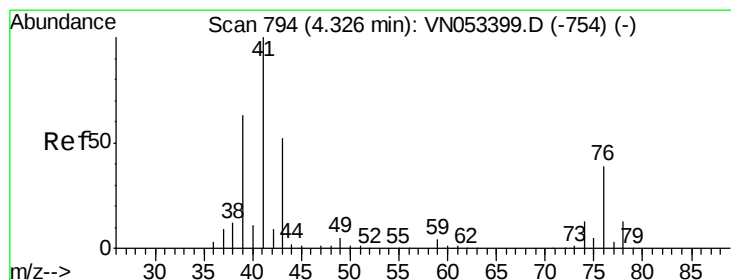
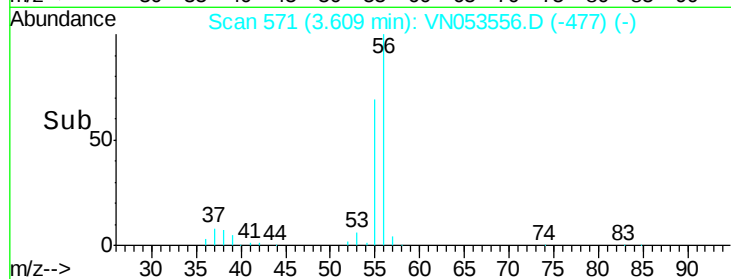
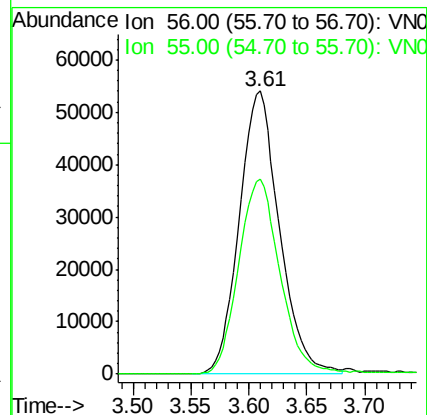
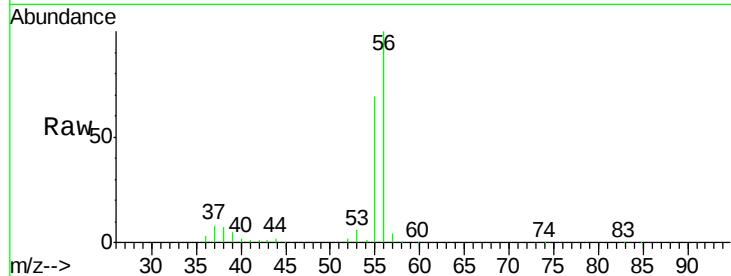
55 70.8 57.4 86.0

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#14

Allyl chloride

Concen: 52.419 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

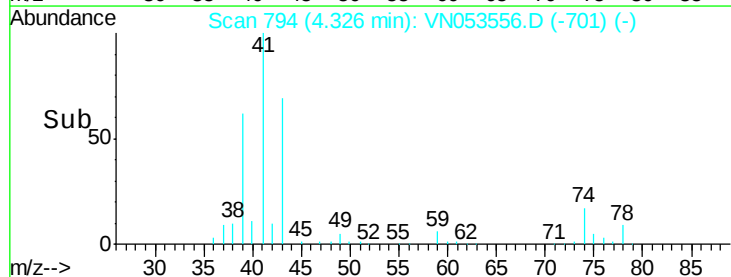
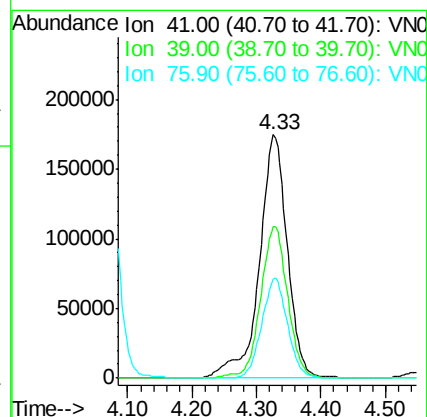
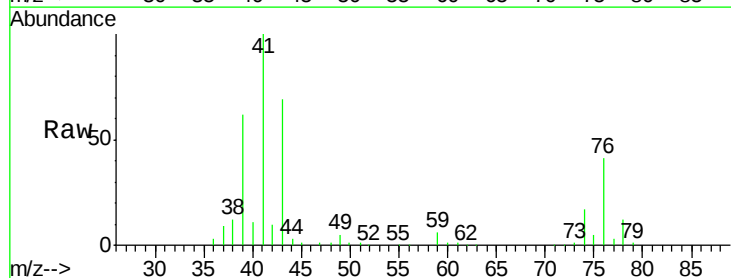
Tgt Ion: 41 Resp: 528248

Ion Ratio Lower Upper

41 100

39 60.1 48.9 73.3

76 37.2 29.4 44.2





#15

Acrylonitrile

Concen: 308.720 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

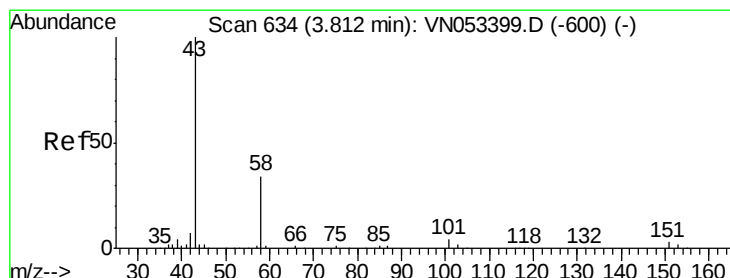
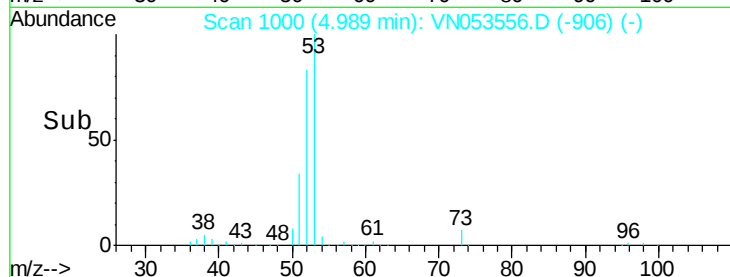
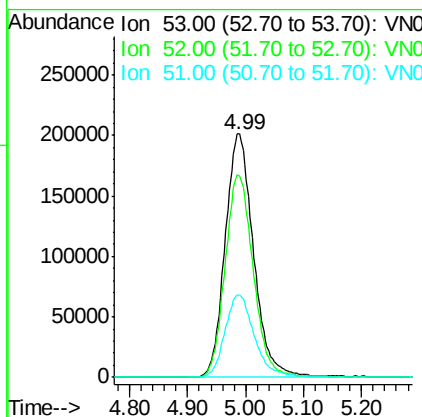
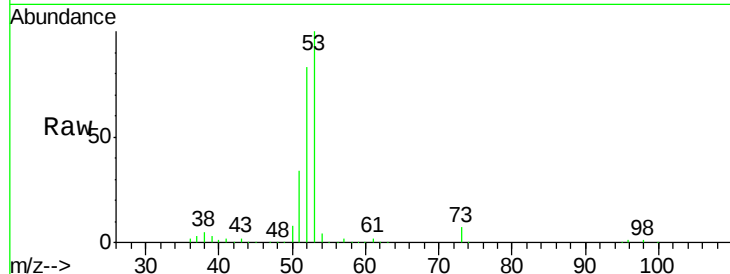
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 684733 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.0  | 66.0  | 99.0   |
| 51       | 35.3  | 28.3  | 42.5   |

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#16

Acetone

Concen: 283.133 ug/l

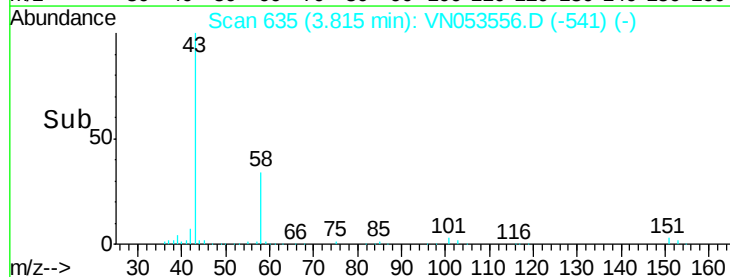
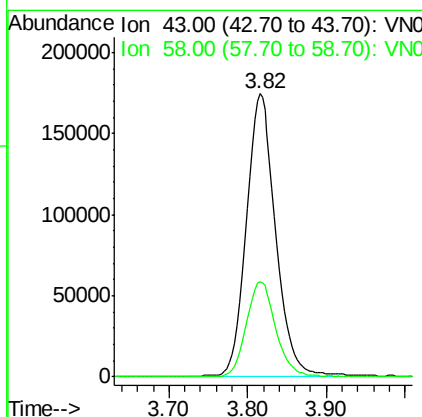
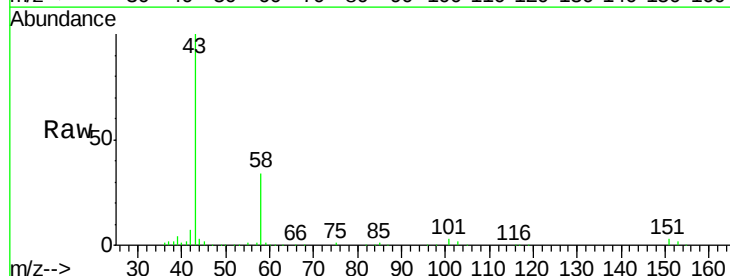
RT: 3.82 min Scan# 635

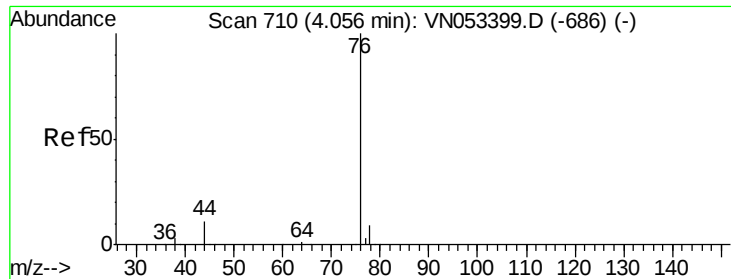
Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 457528 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 33.7  | 27.1  | 40.7   |





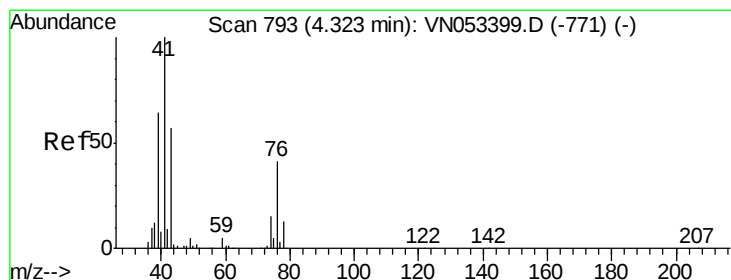
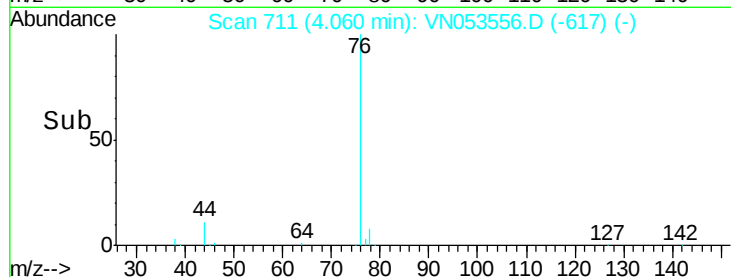
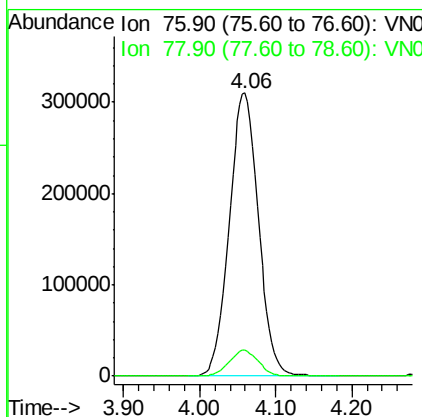
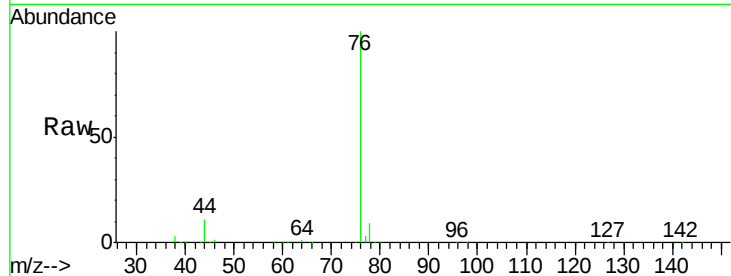
#17  
Carbon Disulfide  
Concen: 44.102 ug/l  
RT: 4.06 min Scan# 711  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.3   | 10.9  |

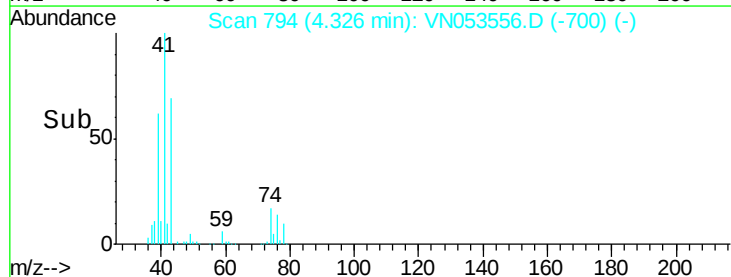
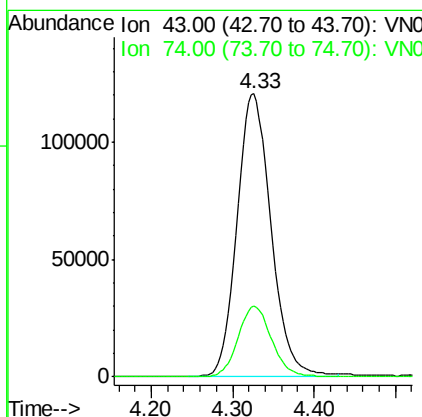
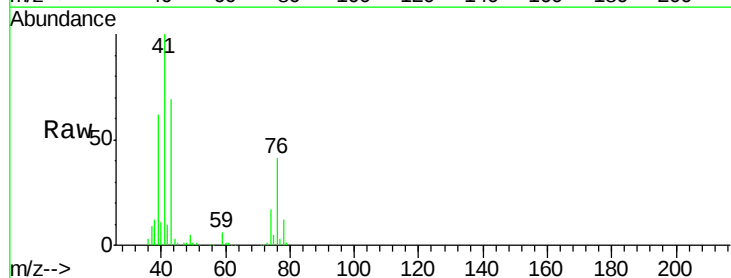
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#18  
Methyl Acetate  
Concen: 63.705 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.7  | 19.4  | 29.2  |





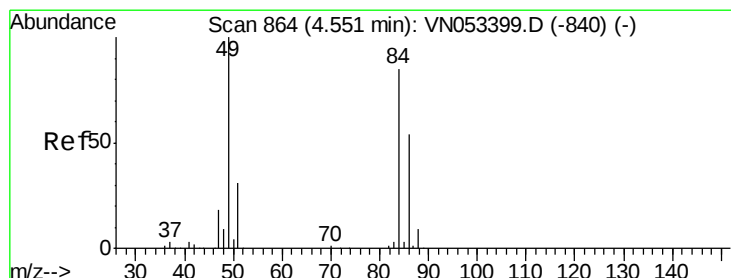
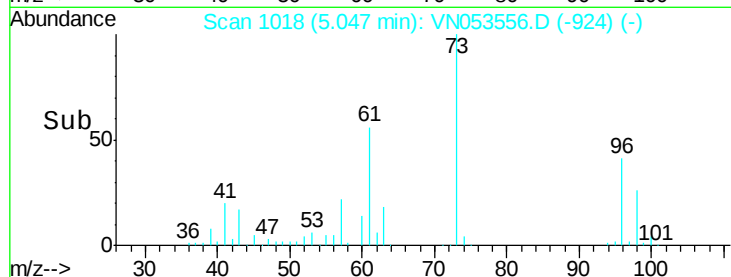
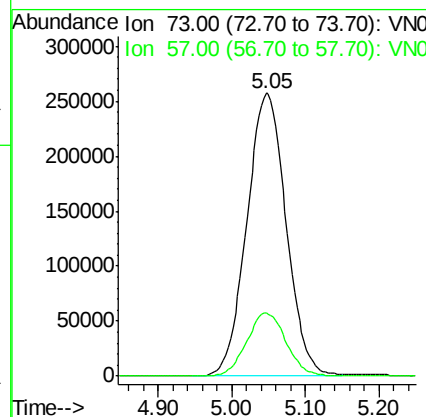
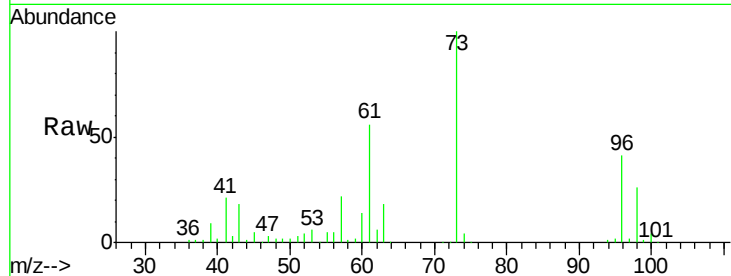
#19  
Methvl tert-butvl Ether  
Concen: 57.980 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 955766  
Ion Ratio Lower Upper  
73 100  
57 22.4 18.3 27.5

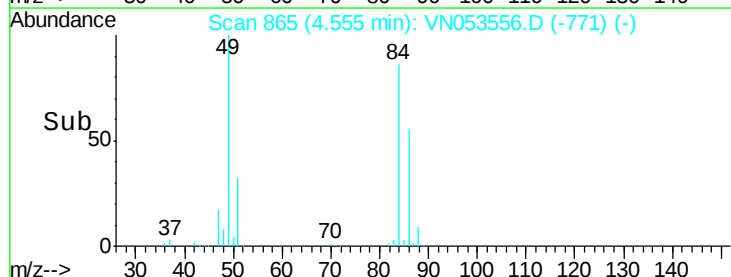
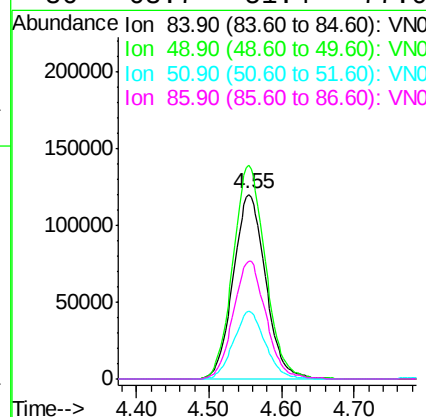
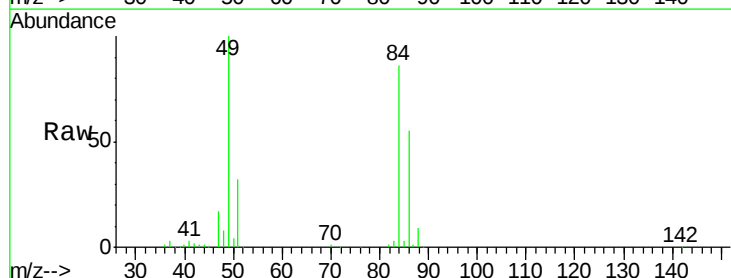
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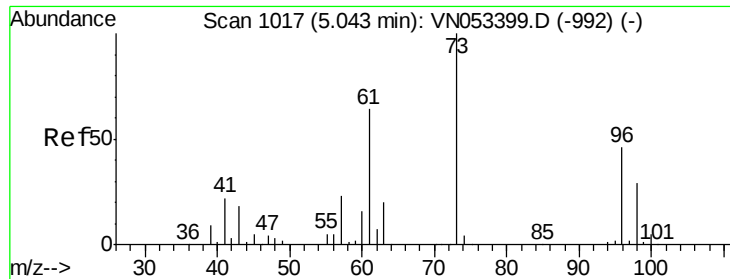
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#20  
Methylene Chloride  
Concen: 50.694 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Tgt Ion: 84 Resp: 374005  
Ion Ratio Lower Upper  
84 100  
49 115.8 94.3 141.5  
51 36.8 29.4 44.2  
86 63.7 51.4 77.0





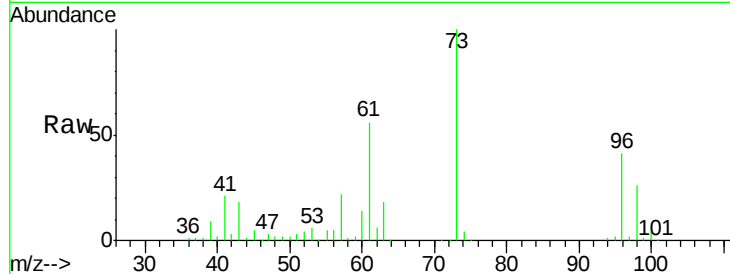
#21  
trans-1,2-Dichloroethene  
Concen: 50.656 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 136.2 | 110.1 | 165.1 |
| 98      | 62.7  | 50.0  | 75.0  |

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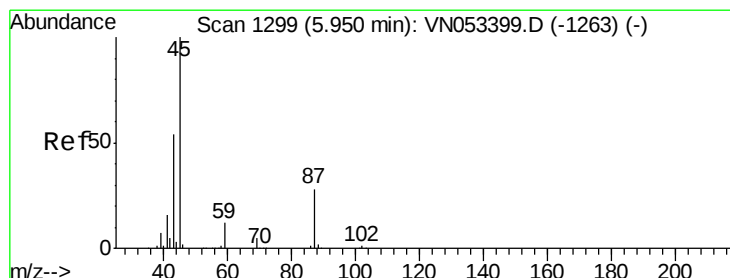
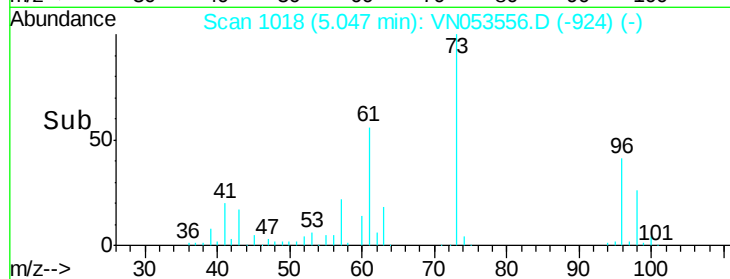
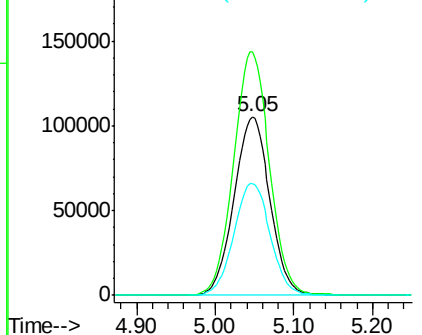


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22  
Diisopropyl ether  
Concen: 51.365 ug/l  
RT: 5.95 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 57.6  | 44.2  | 66.4  |
| 87      | 28.6  | 22.7  | 34.1  |
| 59      | 11.9  | 9.4   | 14.2  |

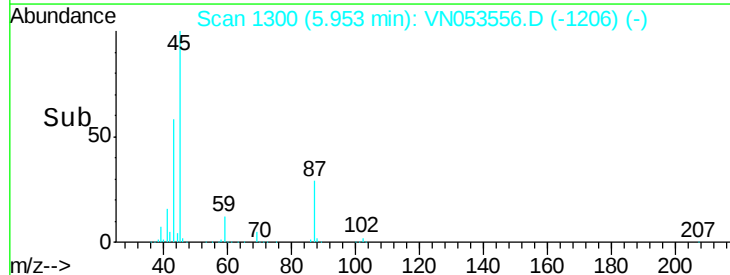
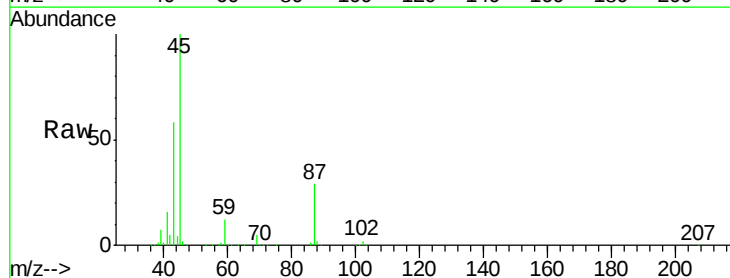
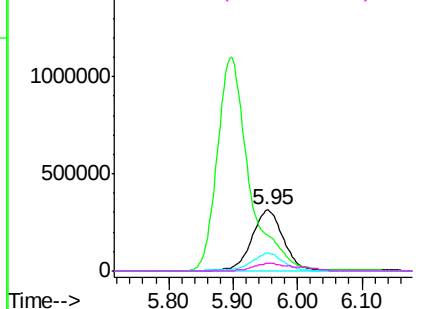
Abundance

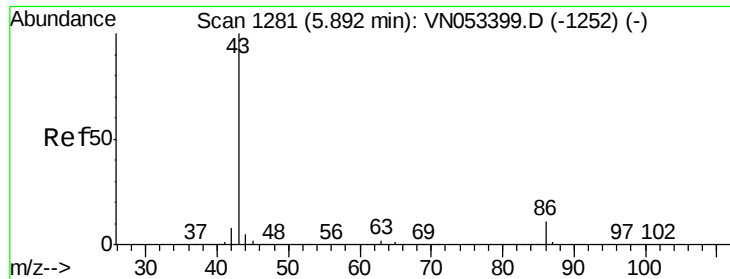
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 293.479 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3795262

Ion Ratio Lower Upper

43 100

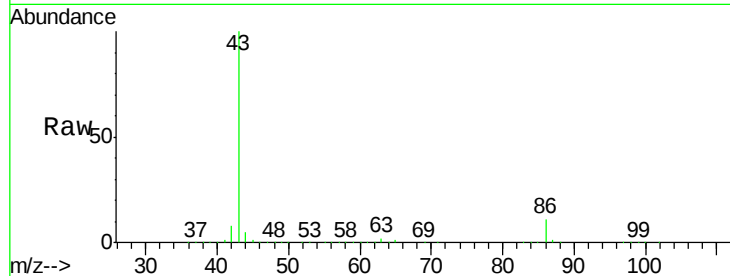
86 10.8 8.4 12.6

Manual Integrations

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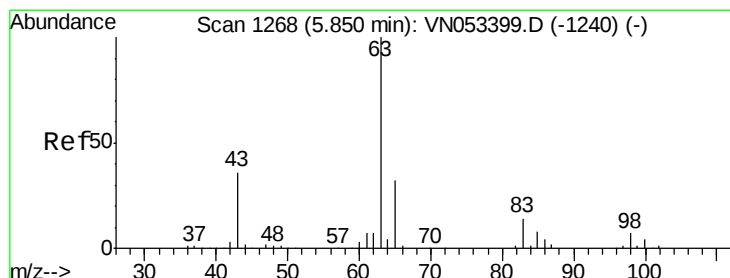
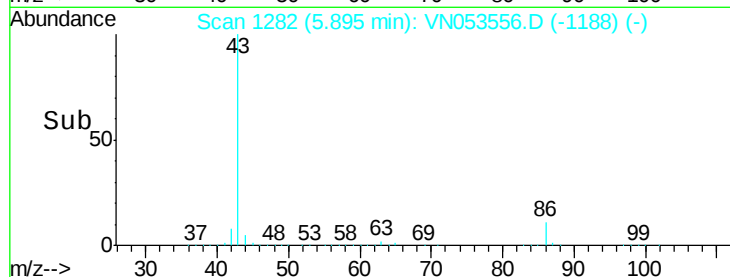
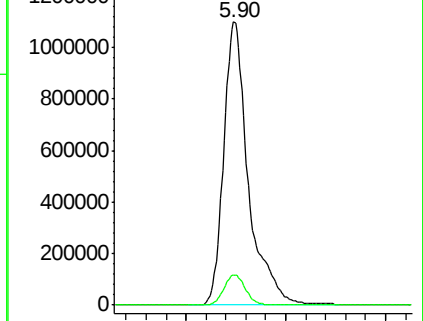
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 52.763 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

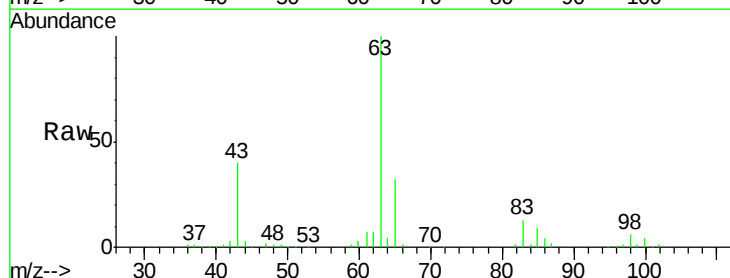
Tgt Ion: 63 Resp: 656186

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

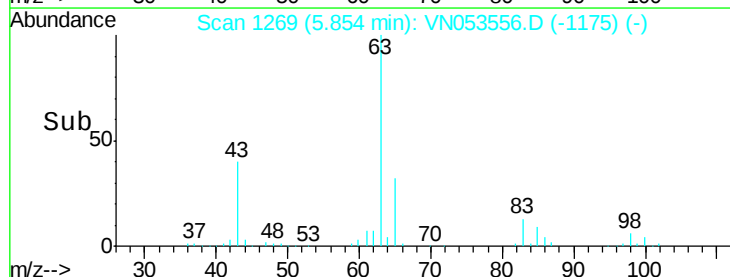
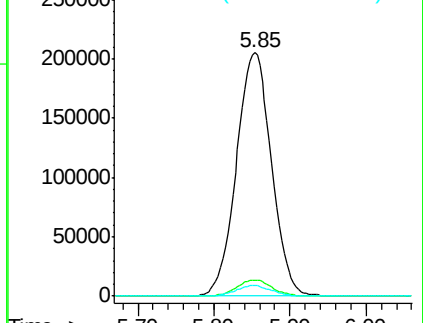
100 4.4 2.1 6.5

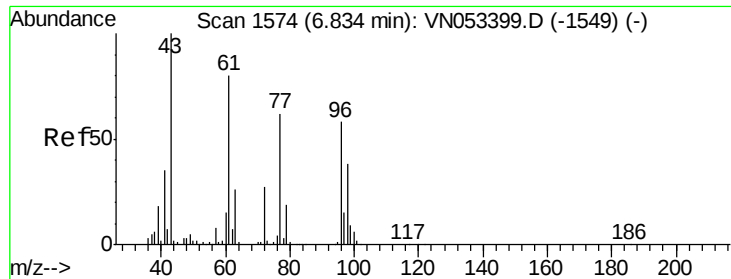


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





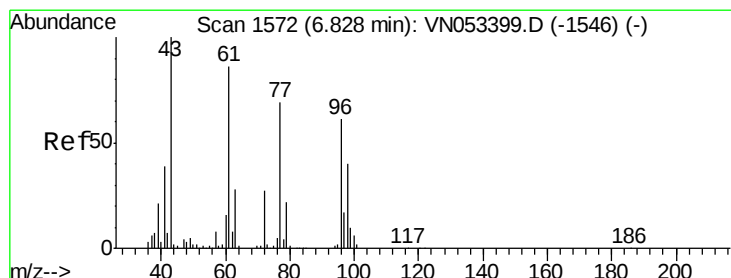
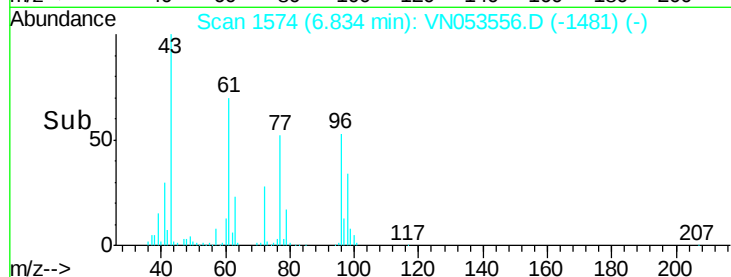
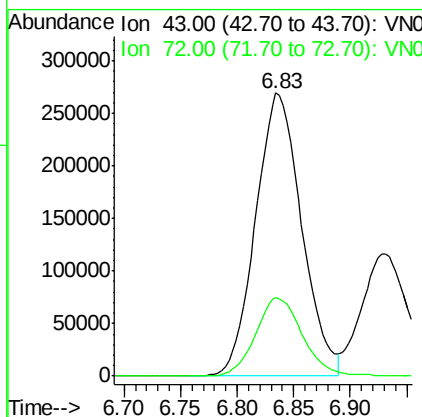
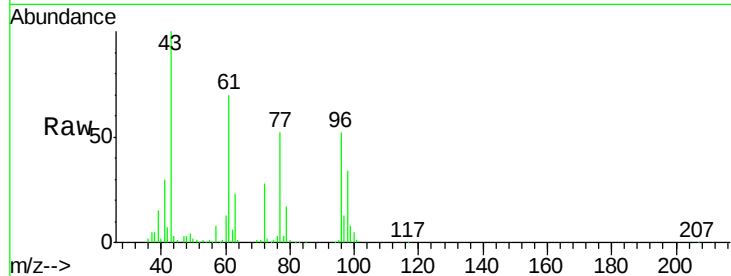
#25  
2-Butanone  
Concen: 304.200 ug/l  
RT: 6.83 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 757517  
Ion Ratio Lower Upper  
43 100  
72 27.8 22.0 33.0

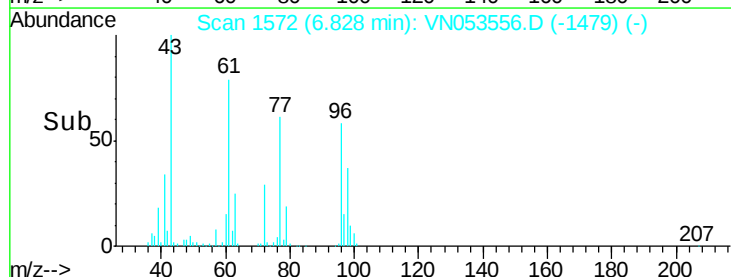
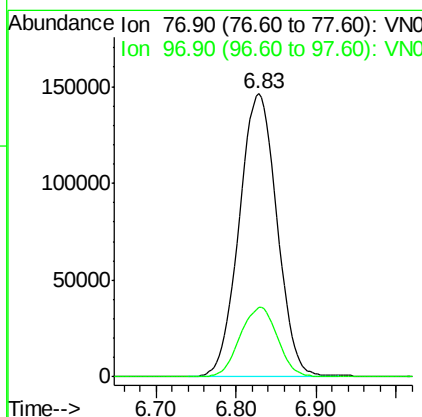
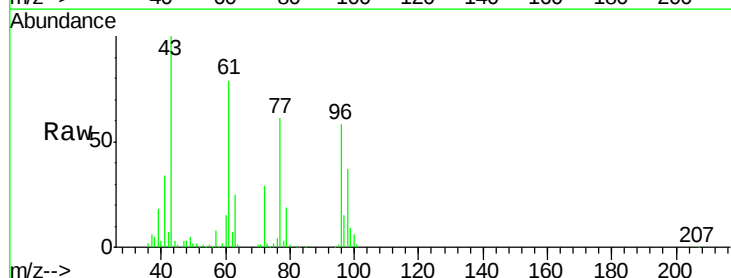
Manual Integrations  
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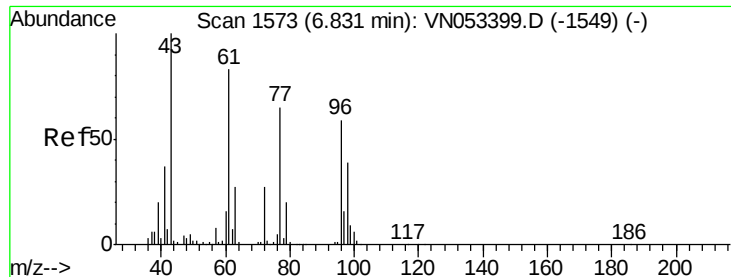
MMDadoda  
1/29/2019 9:52:57 AM



#26  
2,2-Dichloropropane  
Concen: 50.041 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Tgt Ion: 77 Resp: 469876  
Ion Ratio Lower Upper  
77 100  
97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 53.881 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

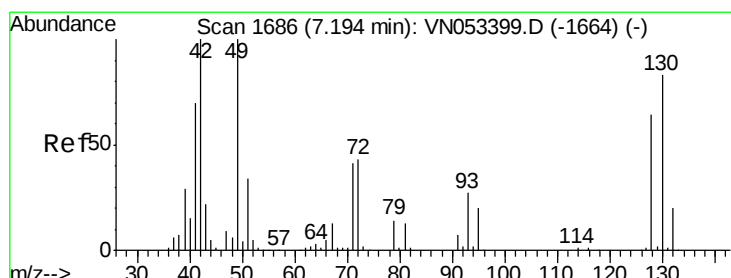
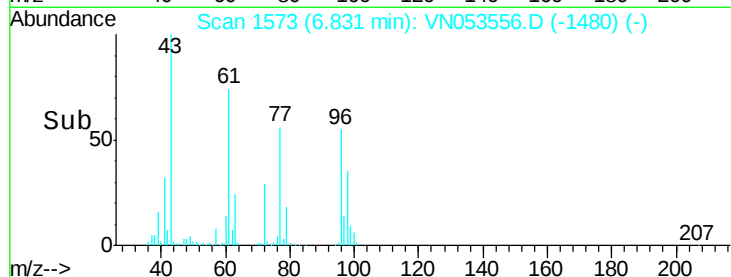
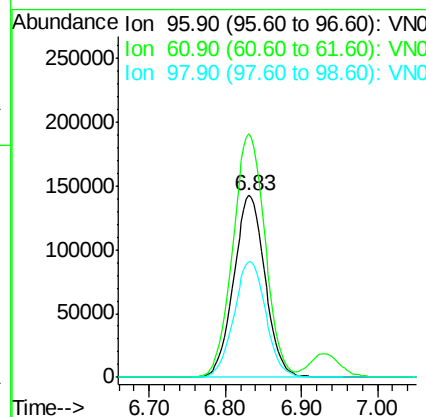
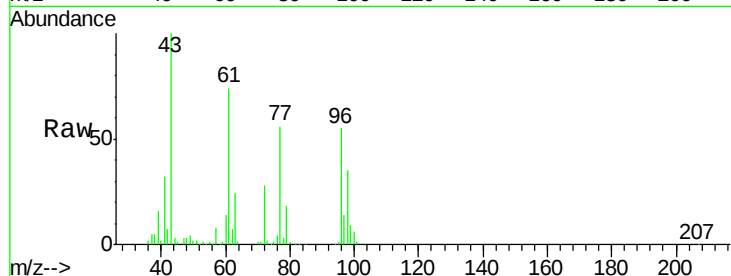
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 408675 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 137.5 | 0.0   | 283.8  |
| 98        | 64.8  | 0.0   | 129.2  |

Manual Integrations  
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1/29/2019 9:52:57 AM



#28

Bromochloromethane

Concen: 48.816 ug/l

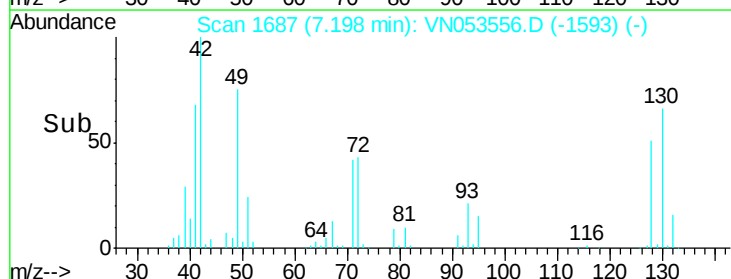
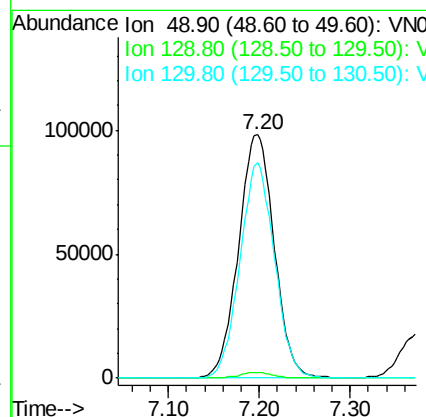
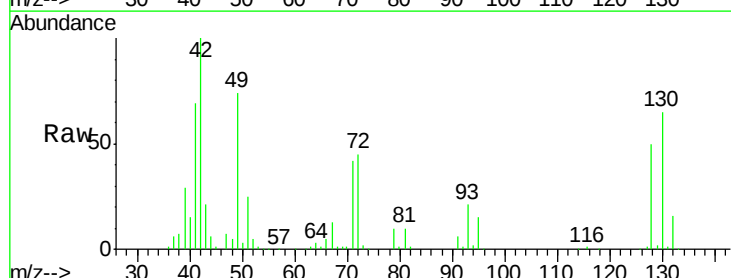
RT: 7.20 min Scan# 1687

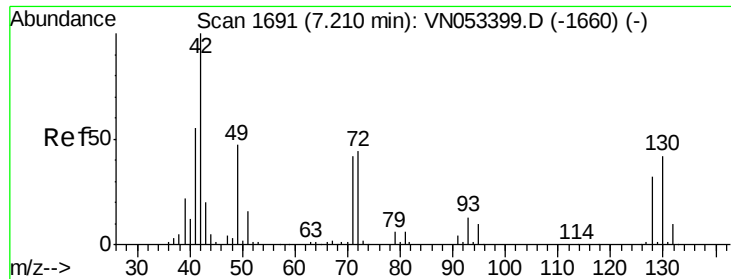
Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 267453 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 2.1   | 0.0   | 4.0    |
| 130       | 85.8  | 66.3  | 99.5   |





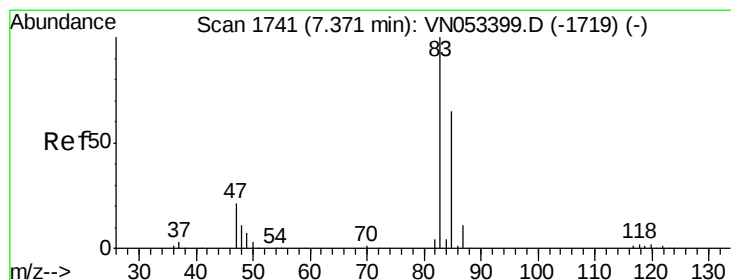
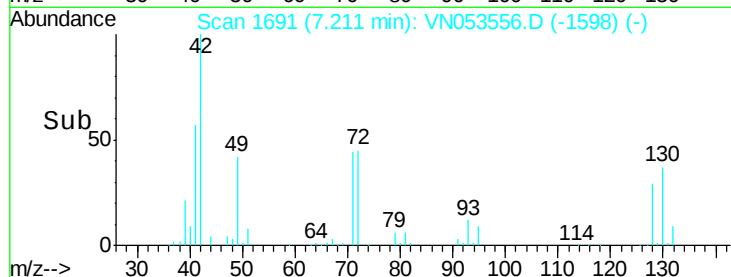
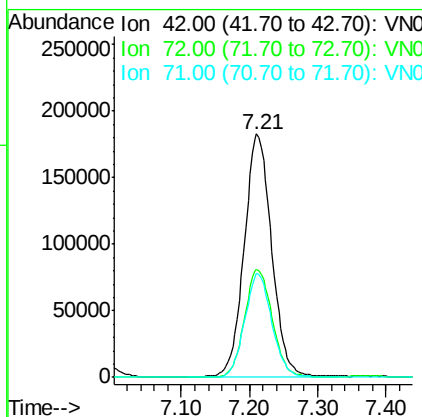
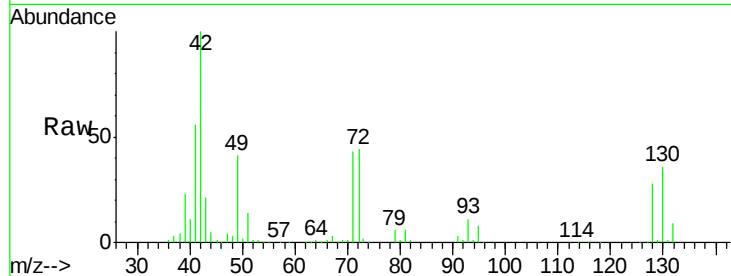
#29  
Tetrahydrofuran  
Concen: 315.949 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.9  | 35.2  | 52.8  |
| 71      | 42.2  | 33.0  | 49.4  |

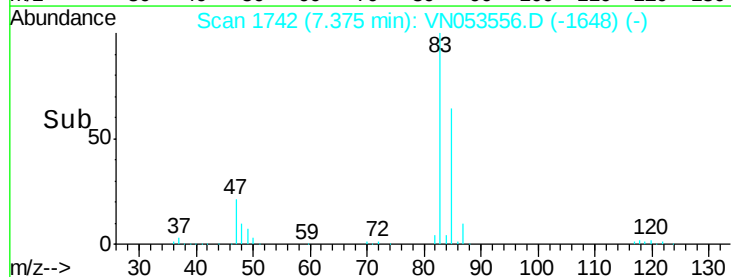
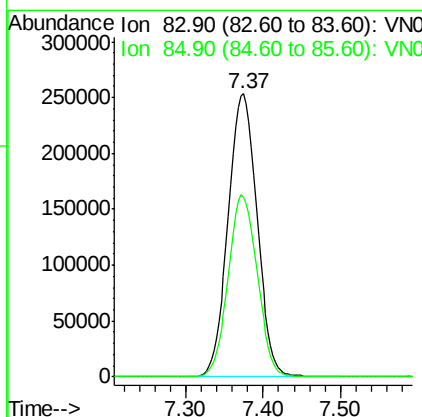
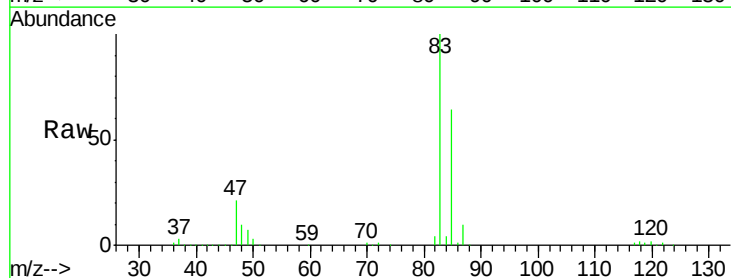
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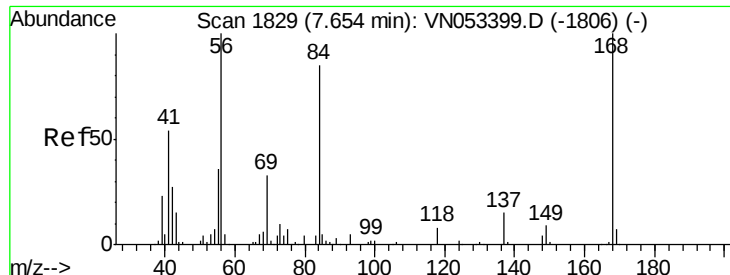
MMDadoda  
1/29/2019 9:52:57 AM



#30  
Chloroform  
Concen: 54.383 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.7  | 52.2  | 78.2  |





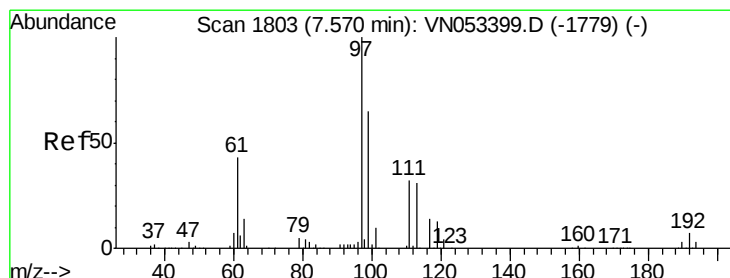
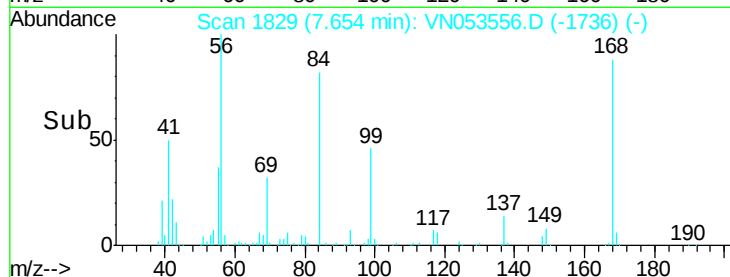
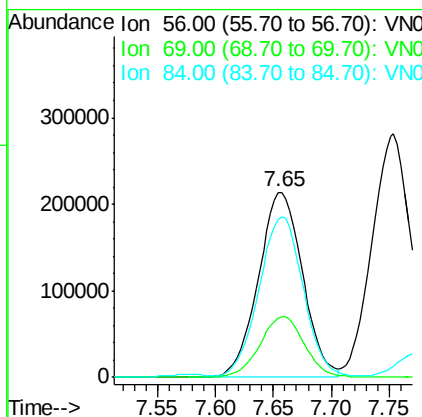
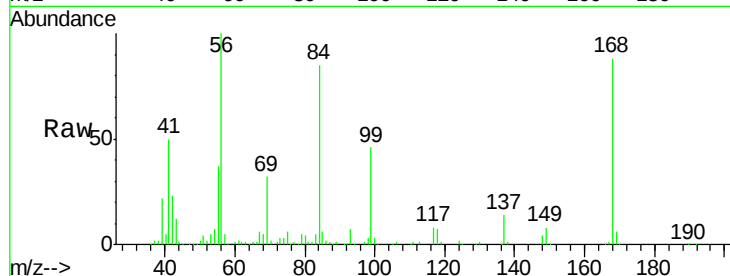
#31  
Cyclohexane  
Concen: 46.690 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.9  | 26.4  | 39.6  |
| 84      | 83.8  | 67.9  | 101.9 |

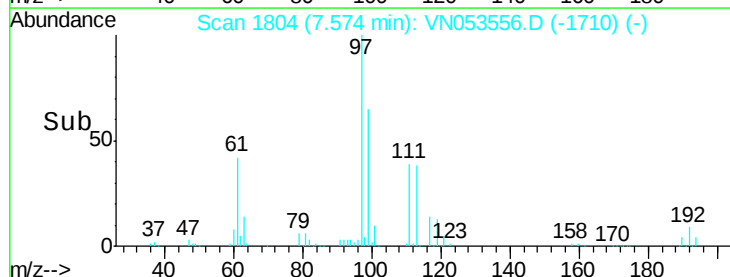
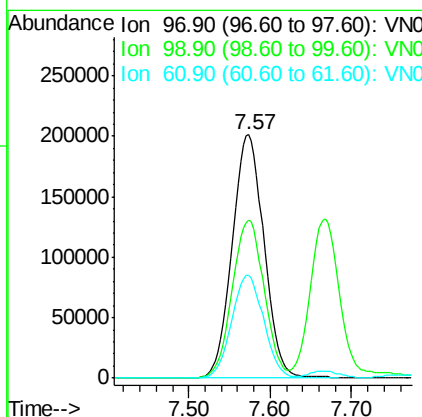
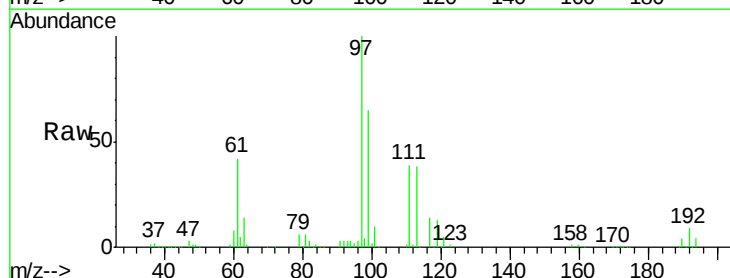
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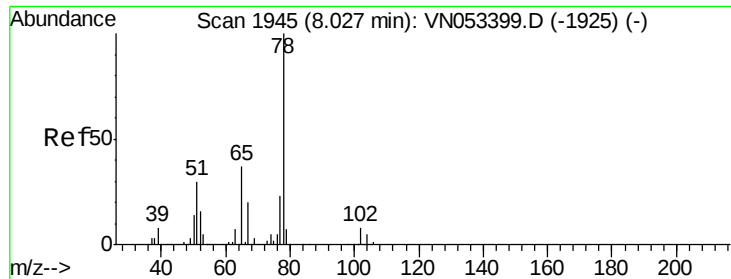
MMDadoda  
1/29/2019 9:52:57 AM



#32  
1,1,1-Trichloroethane  
Concen: 53.072 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.2  | 52.0  | 78.0  |
| 61      | 42.4  | 34.4  | 51.6  |





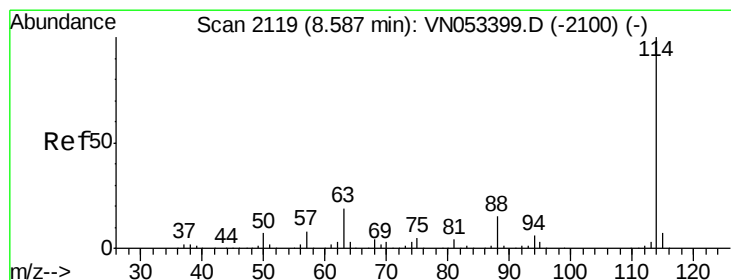
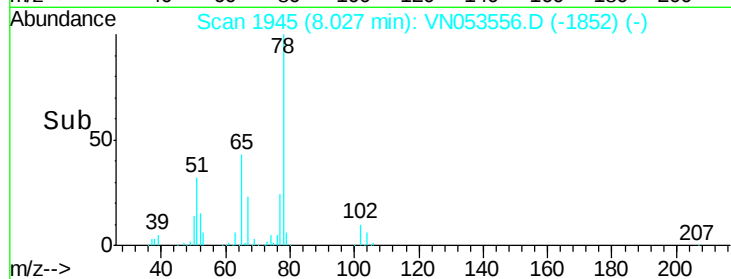
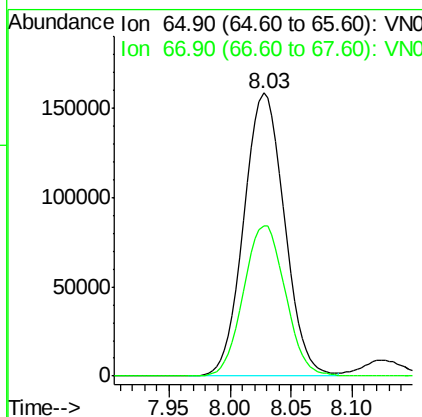
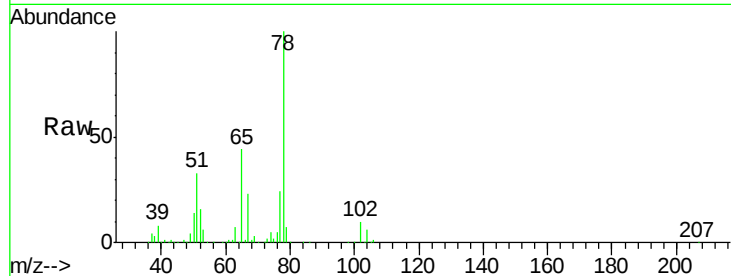
#33  
 1,2-Dichloroethane-d4  
 Concen: 53.072 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN053556.D  
 Acq: 28 Jan 2019 19:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 366002 |       |       |
| 67      | 54.8  | 0.0    | 111.2 |       |

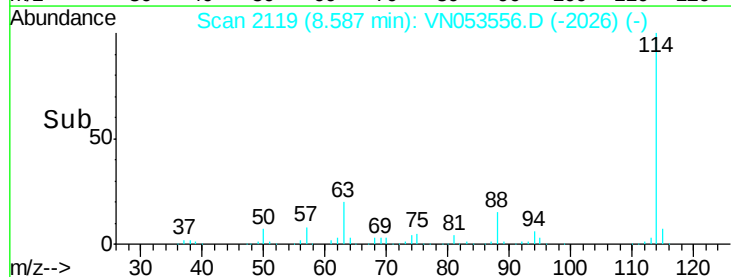
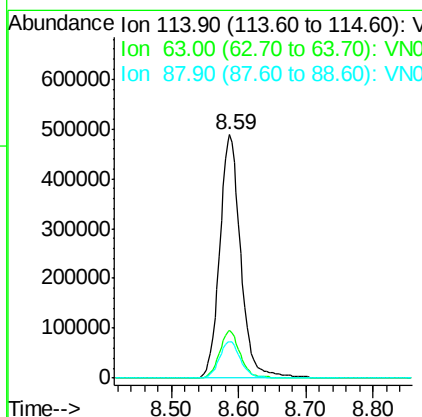
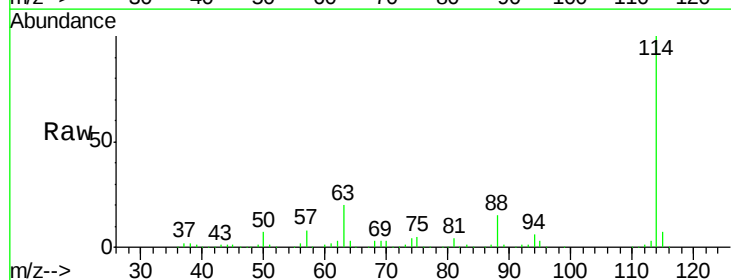
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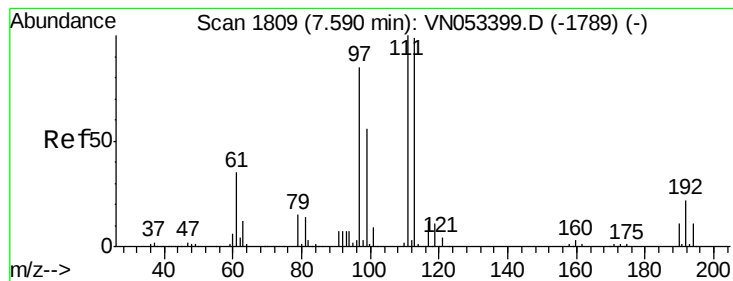
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053556.D  
 Acq: 28 Jan 2019 19:57

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 114     | 100   | 1063851 |       |       |
| 63      | 19.5  | 0.0     | 38.6  |       |
| 88      | 15.0  | 0.0     | 30.4  |       |





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

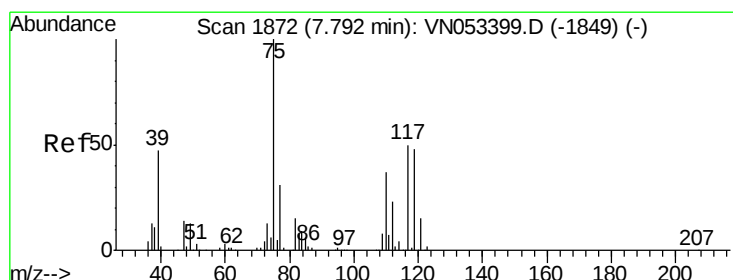
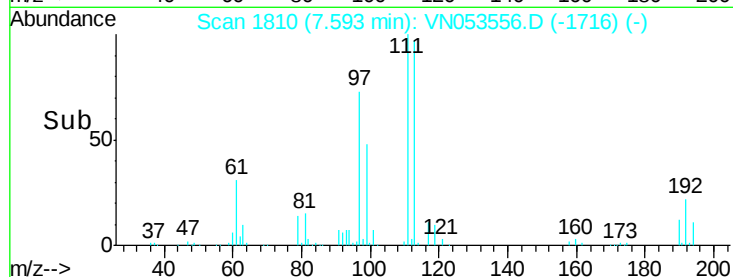
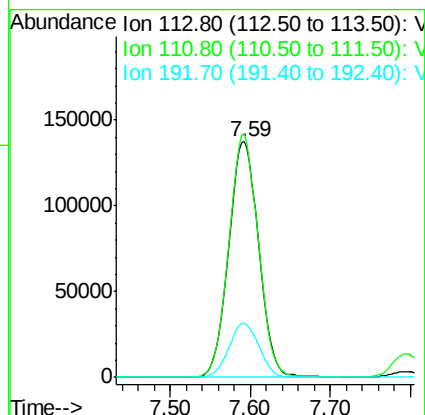
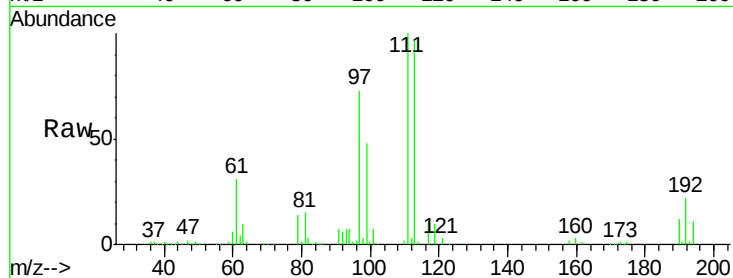
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 351354 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.1 | 81.1  | 121.7  |
| 192       | 22.9  | 18.2  | 27.2   |

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1/29/2019 9:52:57 AM



#36

1,1-Dichloropropene

Concen: 49.629 ug/l

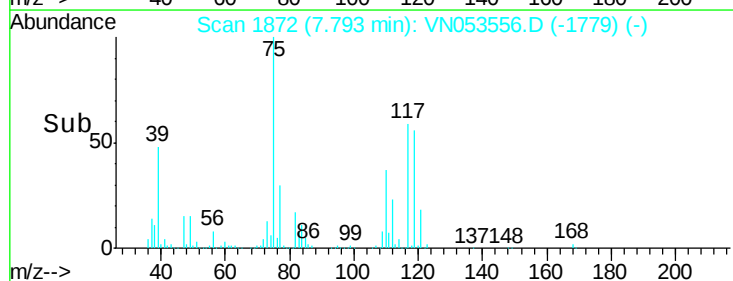
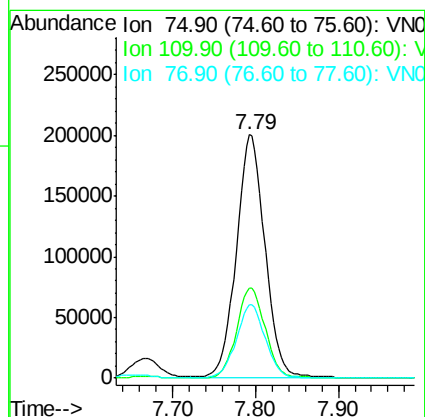
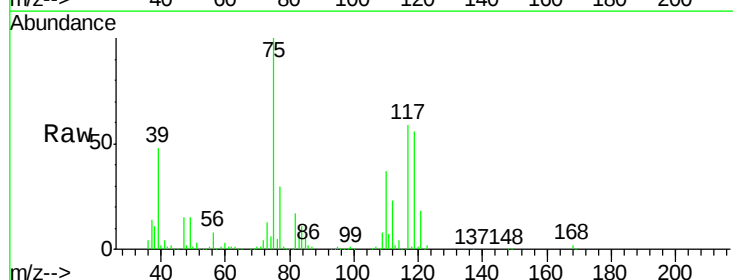
RT: 7.79 min Scan# 1872

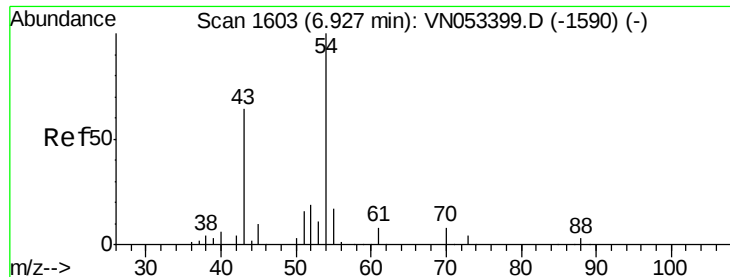
Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 480833 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 37.2  | 18.1  | 54.3   |
| 77        | 31.0  | 25.1  | 37.7   |





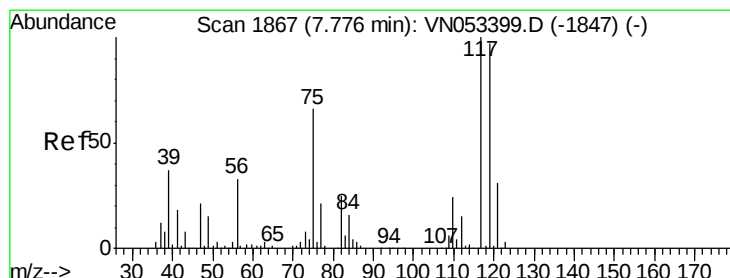
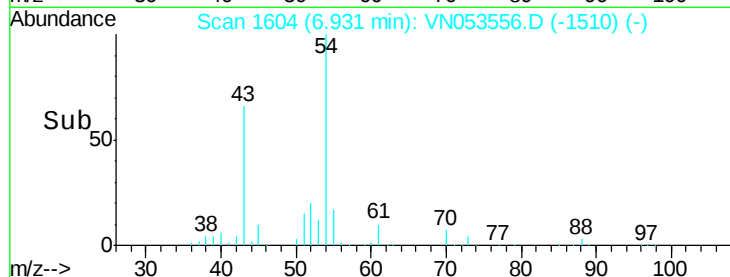
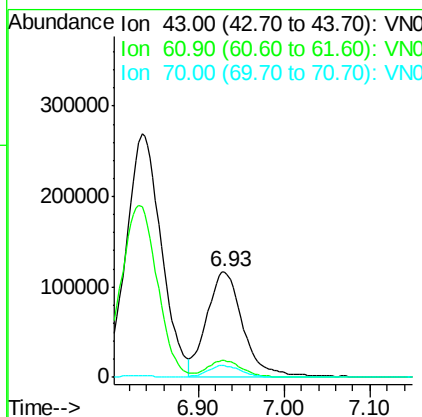
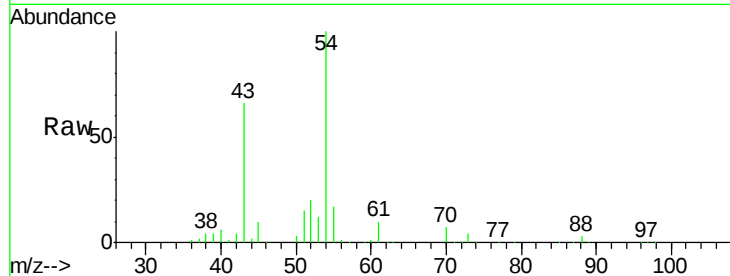
#37  
Ethyl Acetate  
Concen: 60.785 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 43    | Resp  | 338825 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 14.9  | 11.8  | 17.6   |
| 70        | 10.3  | 8.6   | 12.8   |

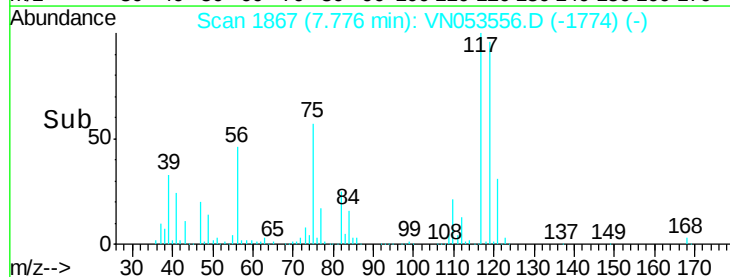
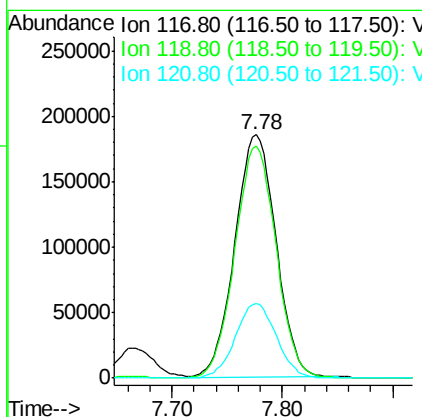
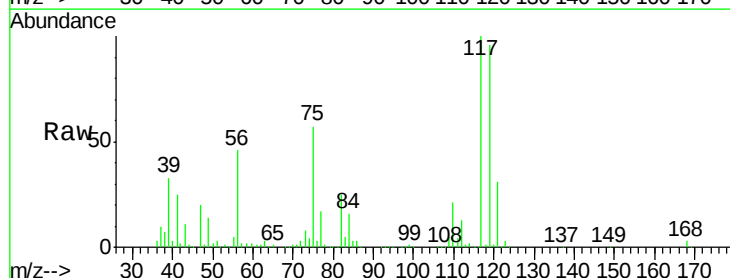
Manual Integrations  
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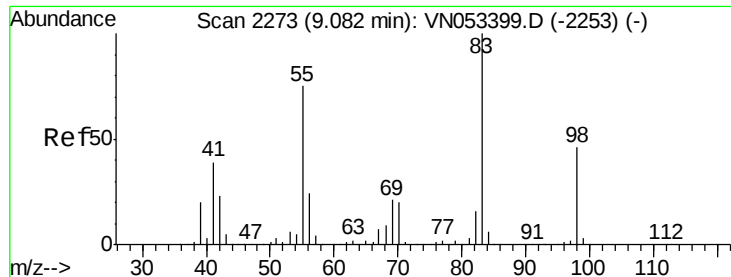
MMDadoda  
1/29/2019 9:52:57 AM



#38  
Carbon Tetrachloride  
Concen: 52.324 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

| Tgt Ion   | 117   | Resp  | 479945 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 95.7  | 77.2  | 115.8  |
| 121       | 30.8  | 24.6  | 37.0   |





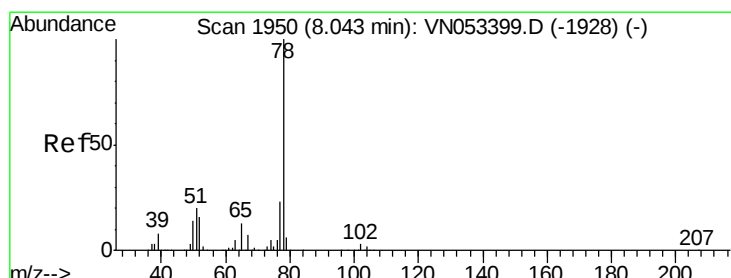
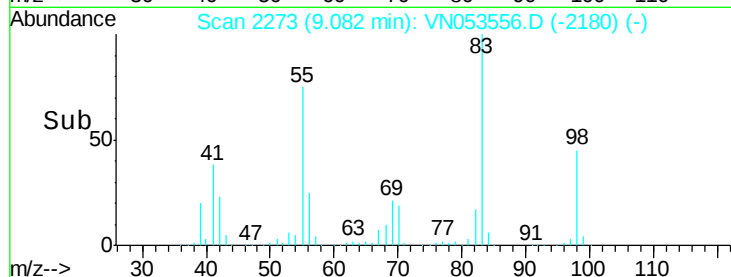
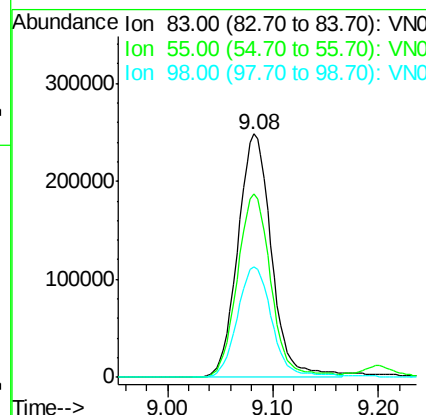
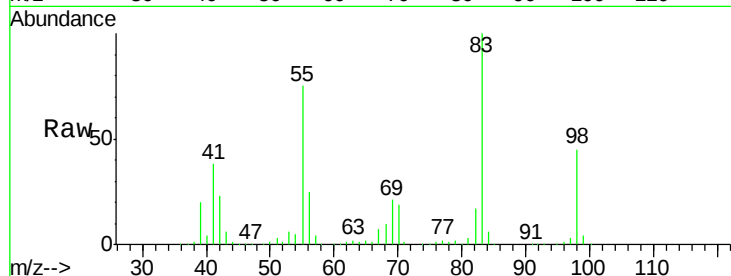
#39  
Methvlcvclohexane  
Concen: 46.035 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.2  | 60.1  | 90.1  |
| 98      | 45.2  | 36.6  | 55.0  |

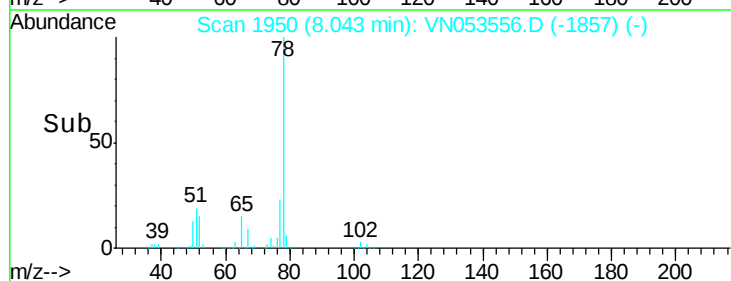
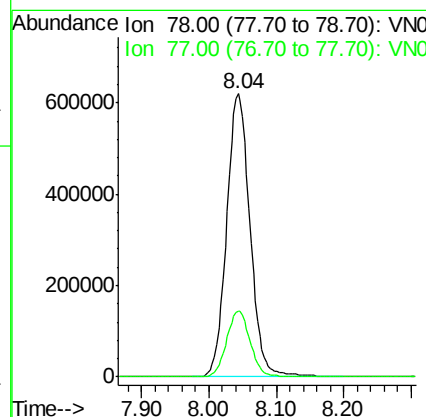
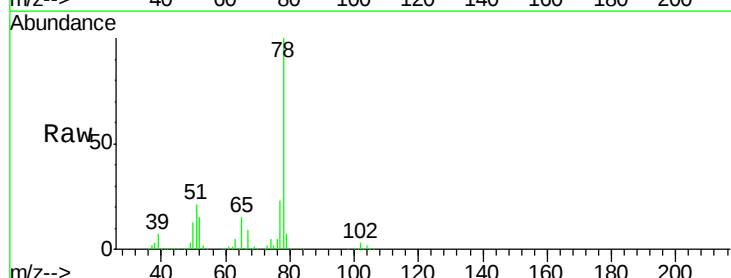
Manual Integrations  
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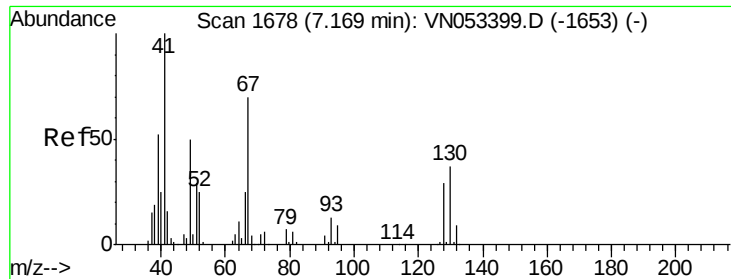
MMDadoda  
1/29/2019 9:52:57 AM



#40  
Benzene  
Concen: 51.024 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 18.8  | 28.2  |





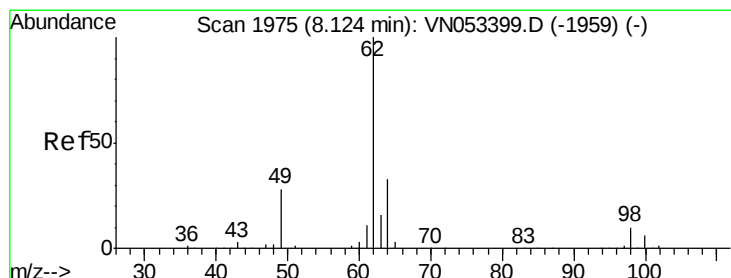
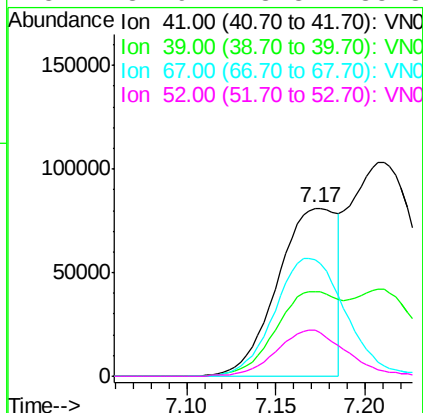
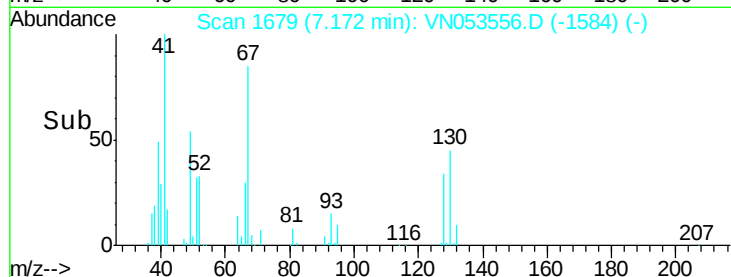
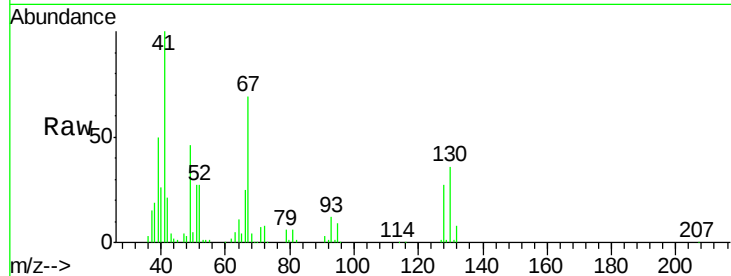
#41  
Methacrylonitrile  
Concen: 56.573 ug/l  
RT: 7.17 min Scan# 1679  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 41      | 100  |       | 187674 |       |       |
| 39      | 54.5 | 46.8  | 70.2   |       |       |
| 67      | 84.1 | 63.0  | 94.6   |       |       |
| 52      | 32.9 | 23.8  | 35.8   |       |       |

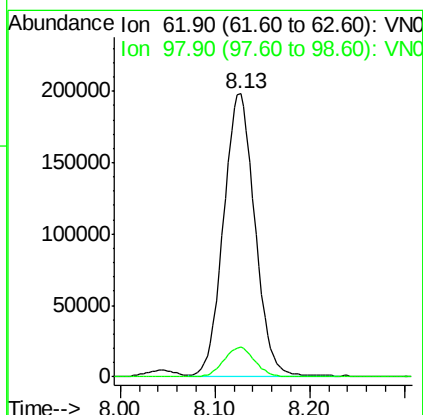
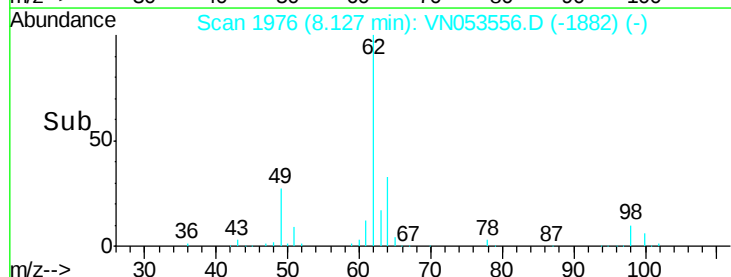
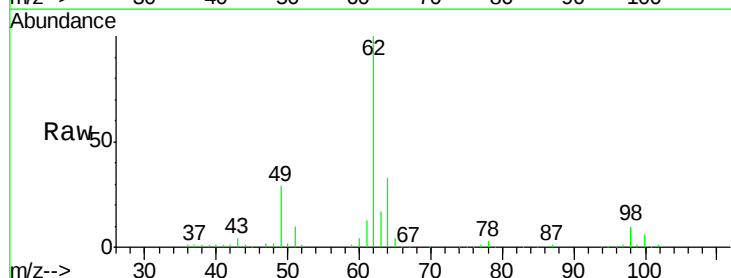
Manual Integrations  
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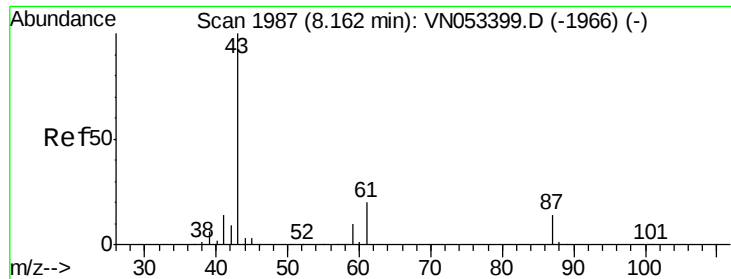
MMDadoda  
1/29/2019 9:52:57 AM



#42  
1,2-Dichloroethane  
Concen: 52.955 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 62      | 100  |       | 454209 |       |       |
| 98      | 10.5 | 0.0   | 19.6   |       |       |





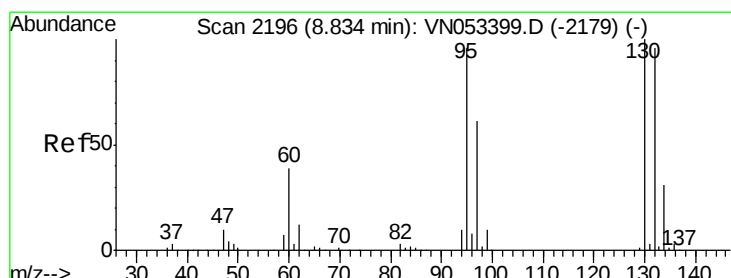
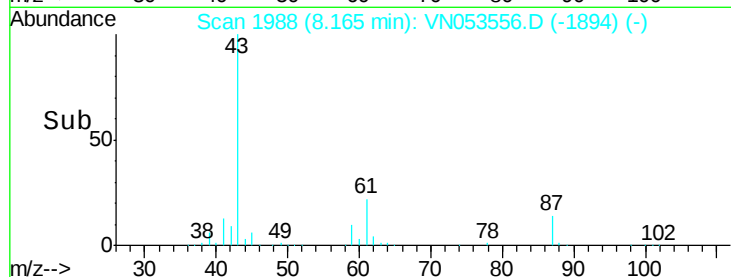
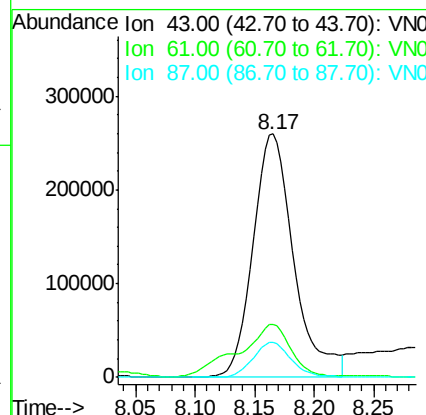
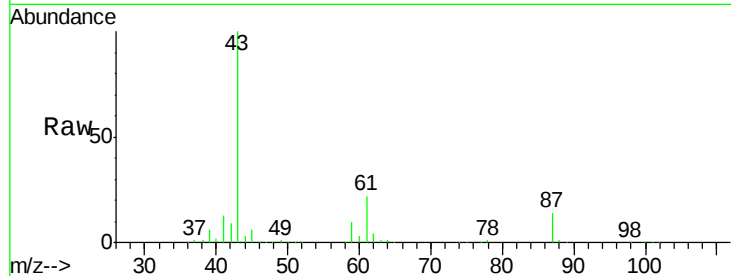
#43  
Isopropyl Acetate  
Concen: 61.283 ug/l  
RT: 8.17 min Scan# 1988  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 28.6  | 23.9  | 35.9  |
| 87      | 13.7  | 11.0  | 16.6  |

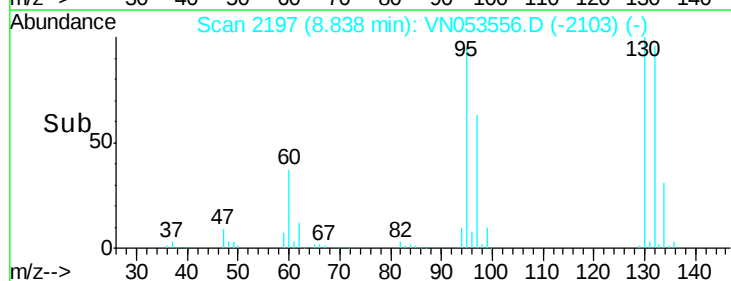
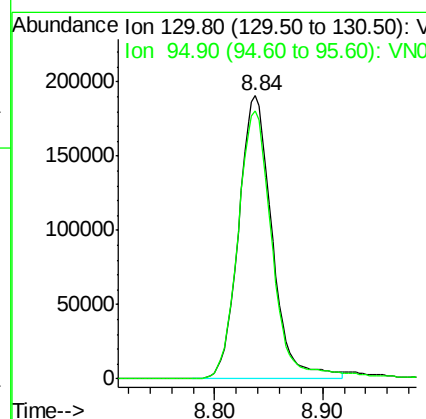
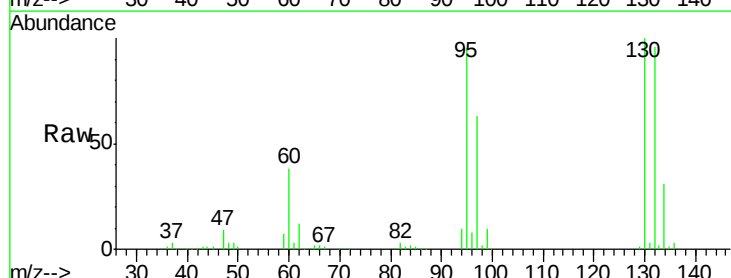
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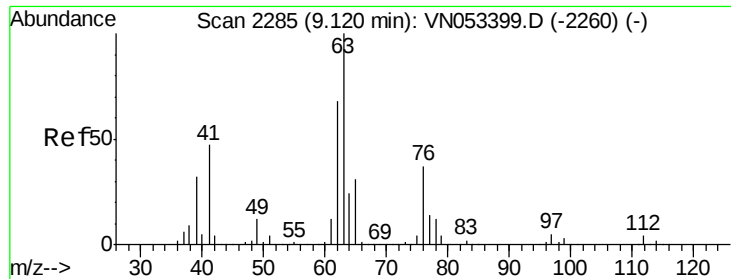
MMDadoda  
1/29/2019 9:52:57 AM



#44  
Trichloroethene  
Concen: 50.428 ug/l  
RT: 8.84 min Scan# 2197  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 94.6  | 0.0   | 191.4 |





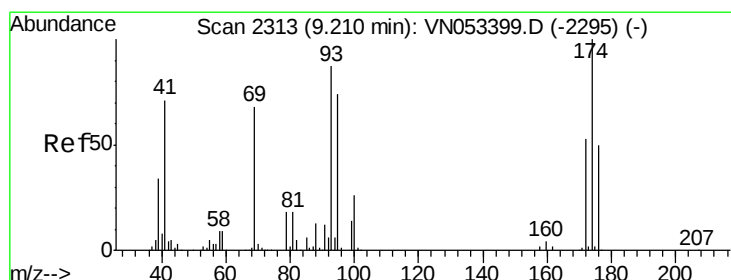
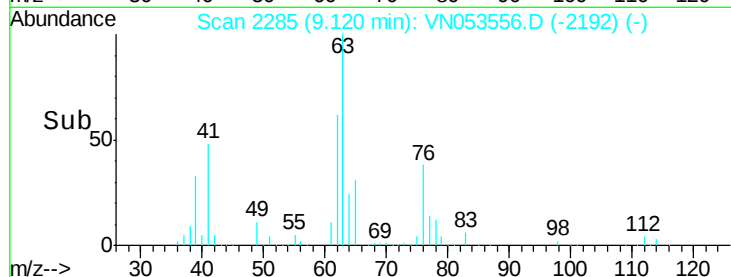
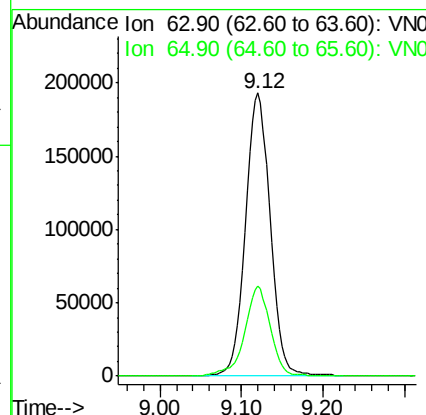
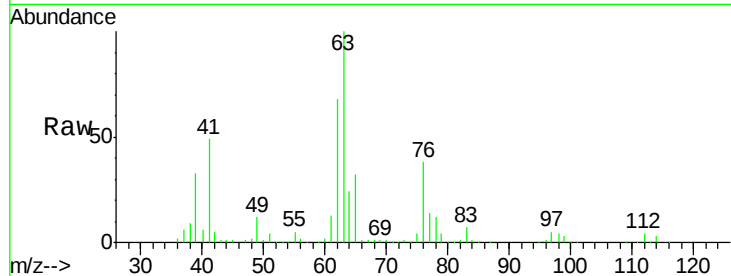
#45  
 1,2-Dichloropropane  
 Concen: 51.687 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN053556.D  
 Acq: 28 Jan 2019 19:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 403072  
 Ion Ratio Lower Upper  
 63 100  
 65 31.8 25.0 37.4

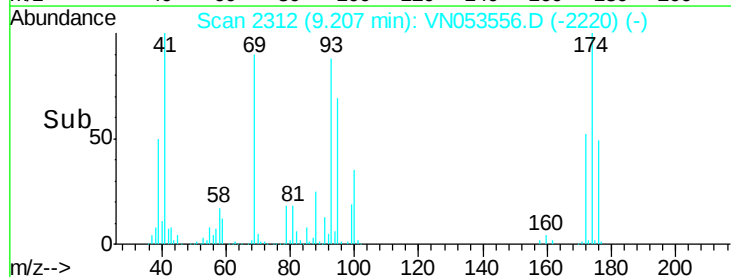
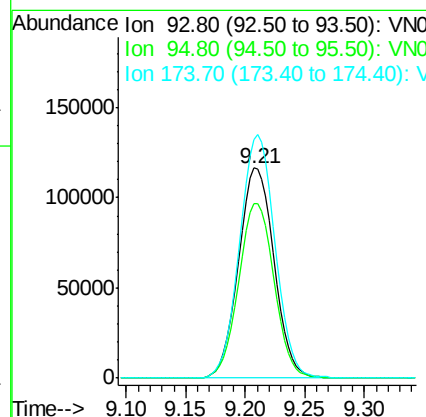
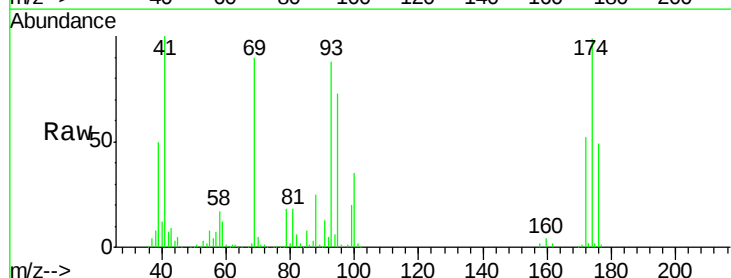
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 1/29/2019 9:52:57 AM



#46  
 Dibromomethane  
 Concen: 54.073 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. -0.00 min  
 Lab File: VN053556.D  
 Acq: 28 Jan 2019 19:57

Tgt Ion: 93 Resp: 242269  
 Ion Ratio Lower Upper  
 93 100  
 95 82.8 67.3 100.9  
 174 115.1 91.0 136.4





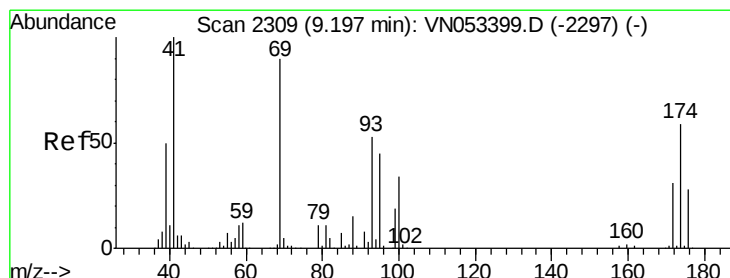
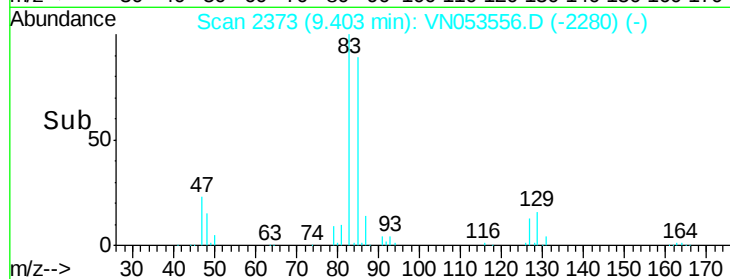
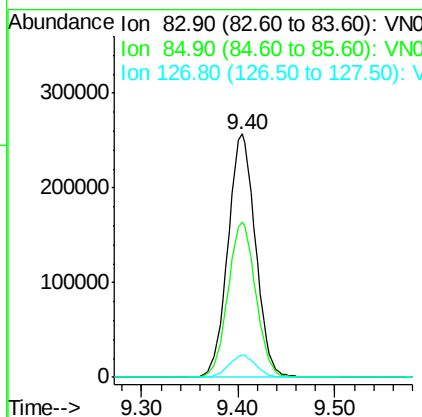
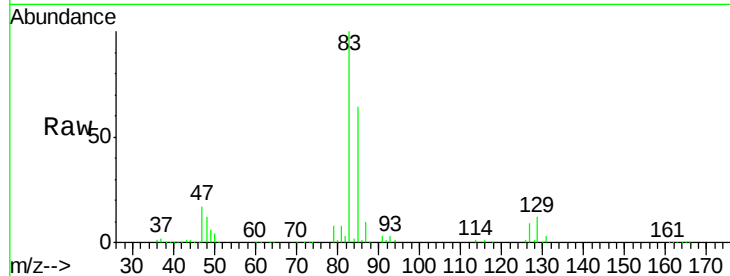
#47  
Bromodichloromethane  
Concen: 53.761 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 506552 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.9  | 51.0  | 76.6   |
| 127       | 8.9   | 7.0   | 10.6   |

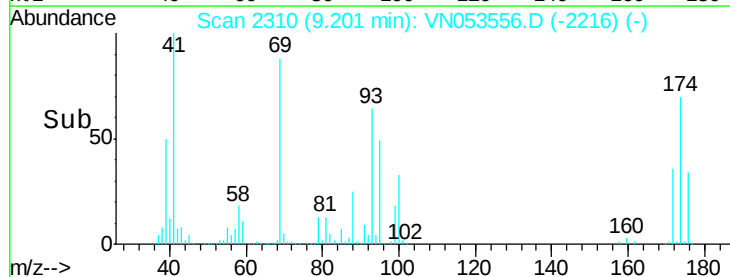
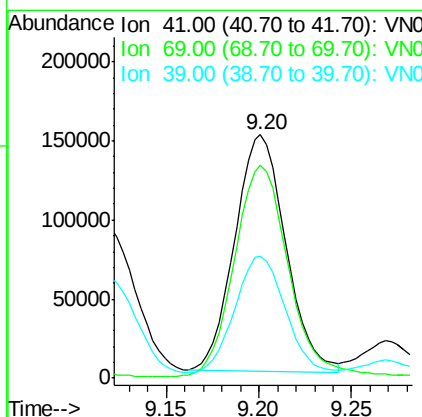
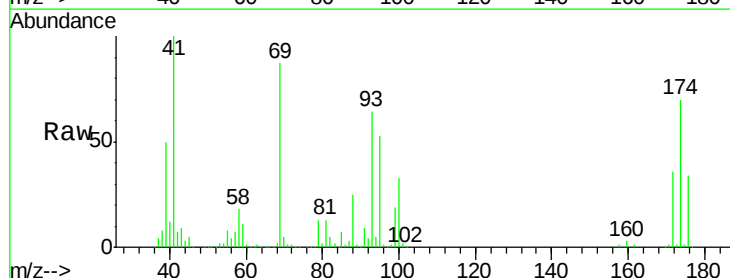
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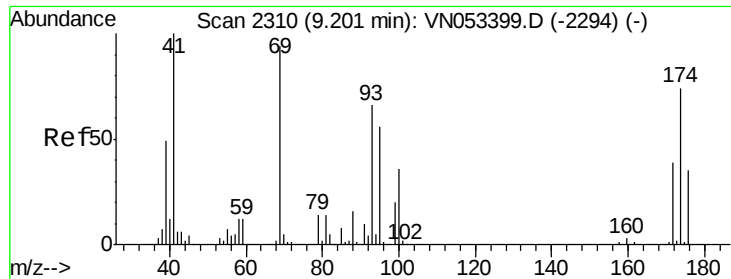
MMDadoda  
1/29/2019 9:52:57 AM



#48  
Methyl methacrylate  
Concen: 55.373 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 286559 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 97.0  | 73.8  | 110.6  |
| 39        | 53.6  | 40.0  | 60.0   |





#49

1,4-Dioxane

Concen: 1664.916 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

ClientSampleId :

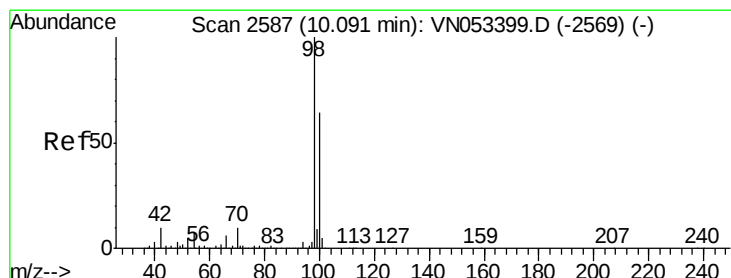
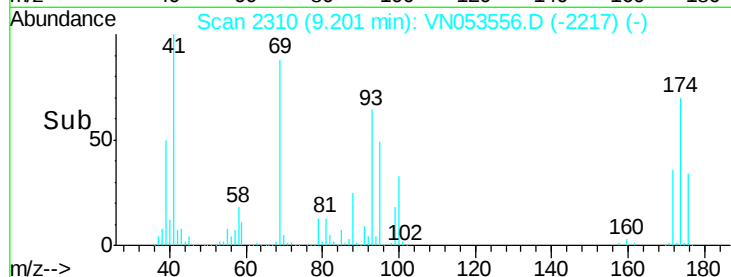
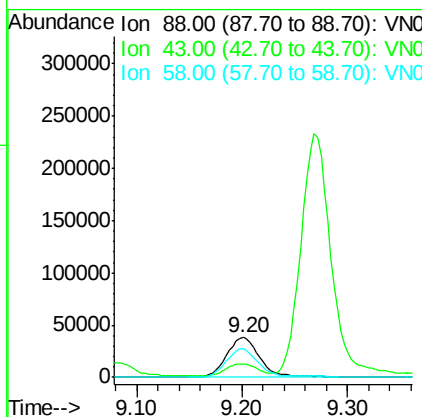
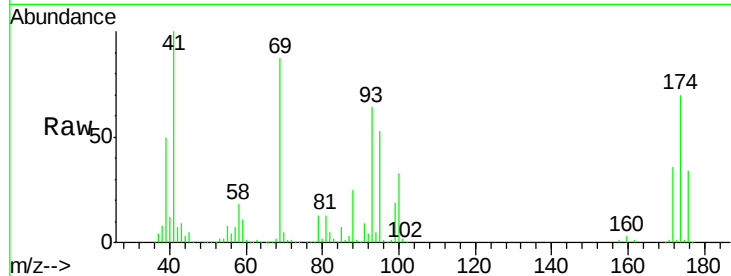
VSTDCCC050EC

Tot Ion: 88 Resp: 84147

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 27.1  | 27.8  | 41.6# |
| 58  | 68.9  | 56.5  | 84.7  |

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1/29/2019 9:52:57 AM



#50

Toluene-d8

Concen: 1664.916 ug/l

RT: 10.09 min Scan# 2587

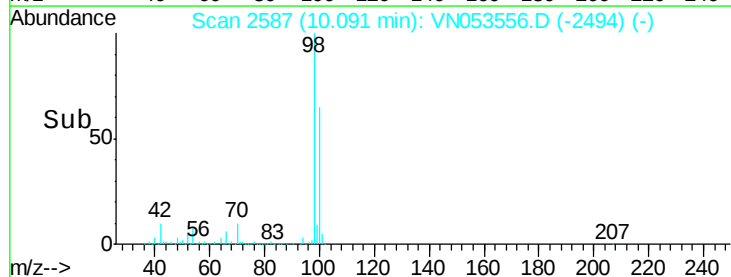
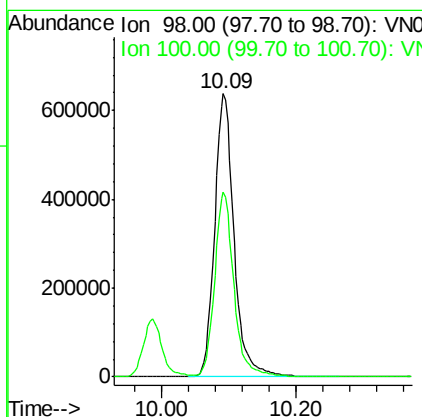
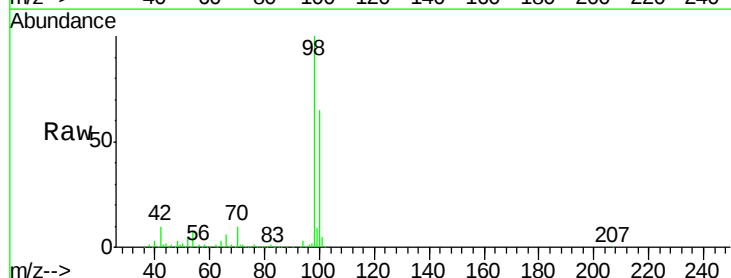
Delta R.T. 0.00 min

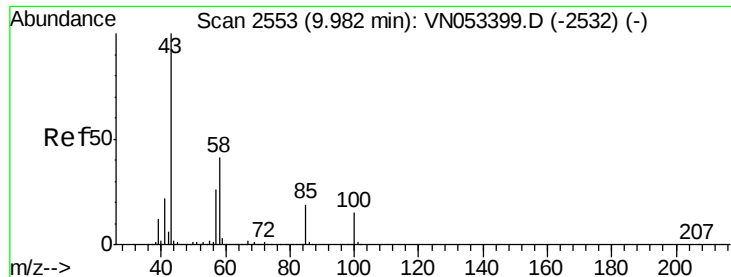
Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Tgt Ion: 98 Resp: 1282411

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 65.0  | 51.4  | 77.0  |





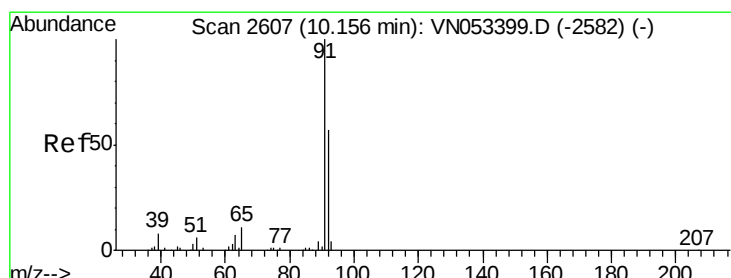
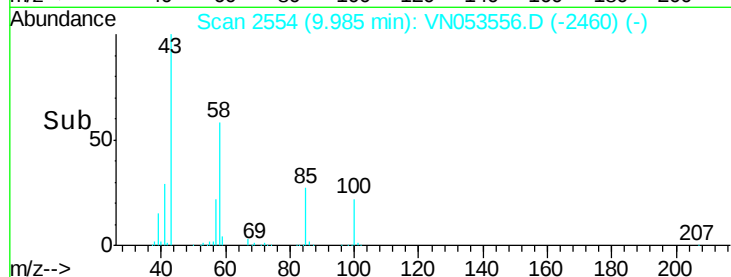
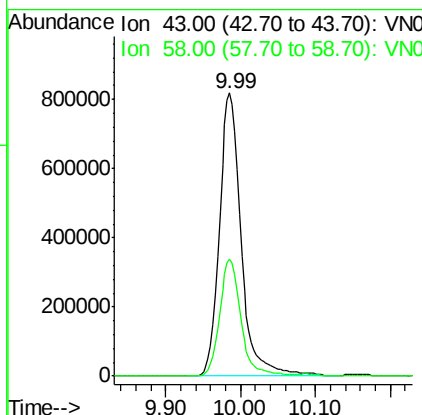
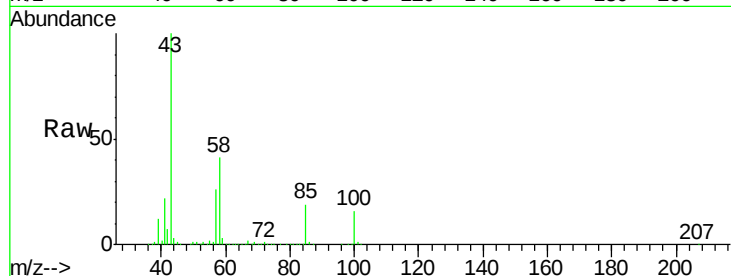
#51  
4-Methyl-2-Pentanone  
Concen: 300.036 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1641641  
Ion Ratio Lower Upper  
43 100  
58 40.7 32.8 49.2

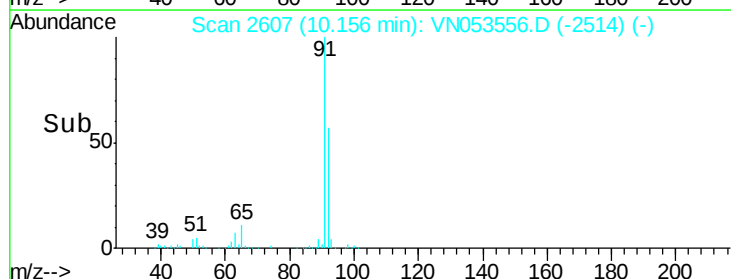
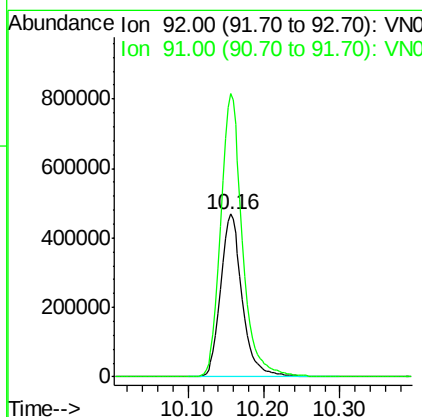
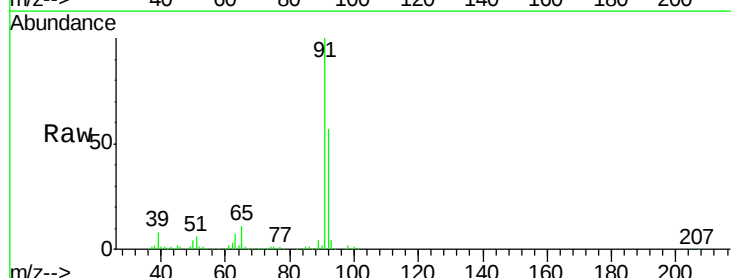
Manual Integrations  
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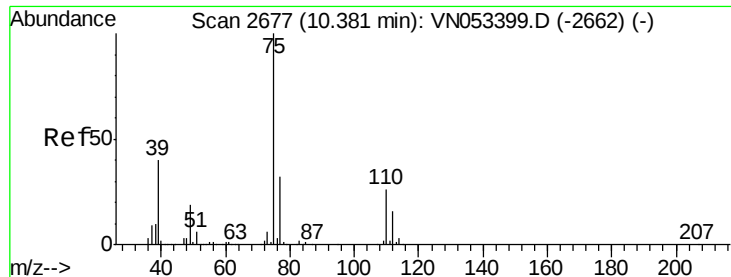
MMDadoda  
1/29/2019 9:52:57 AM



#52  
Toluene  
Concen: 50.783 ug/l  
RT: 10.16 min Scan# 2607  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Tgt Ion: 92 Resp: 928222  
Ion Ratio Lower Upper  
92 100  
91 174.4 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 54.778 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 523150

Ion Ratio Lower Upper

75 100

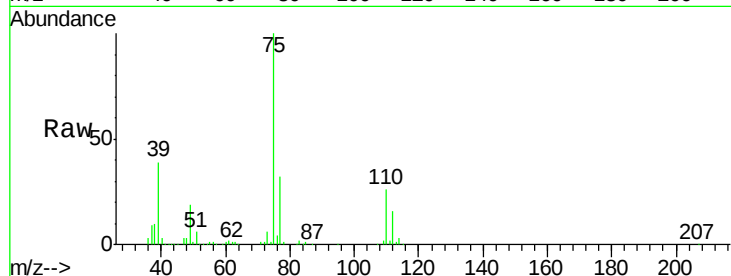
77 32.2 25.5 38.3

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

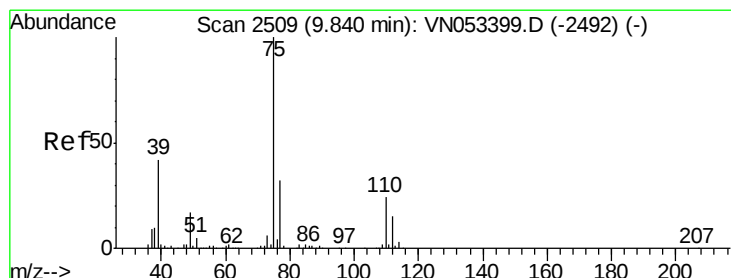
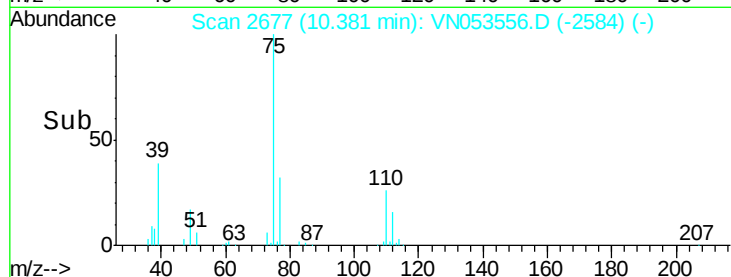
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.133 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

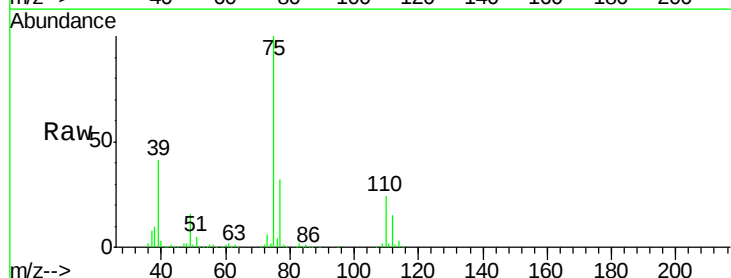
Tgt Ion: 75 Resp: 606048

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

39 40.5 33.4 50.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

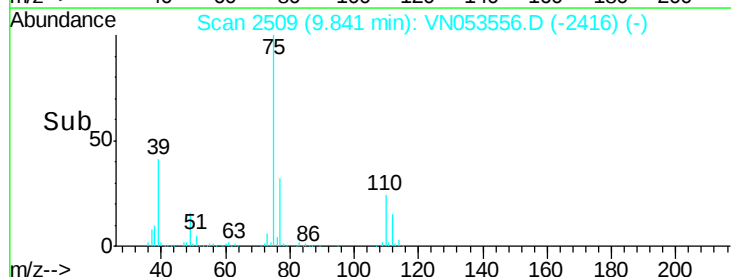
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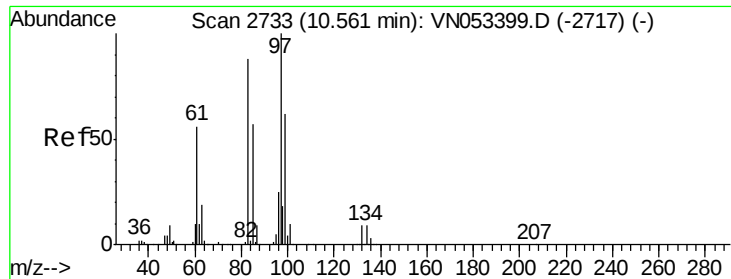
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 57.643 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 363248

Ion Ratio Lower Upper

97 100

83 84.9 70.1 105.1

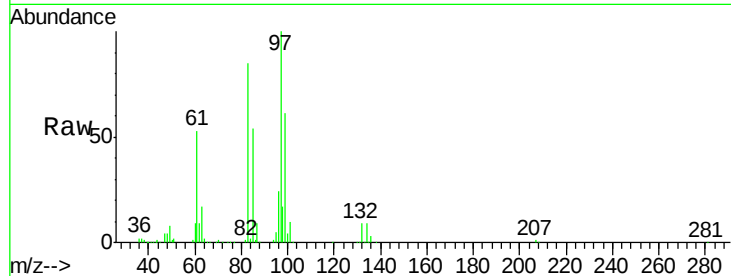
85 54.3 45.4 68.0

99 60.6 49.8 74.8

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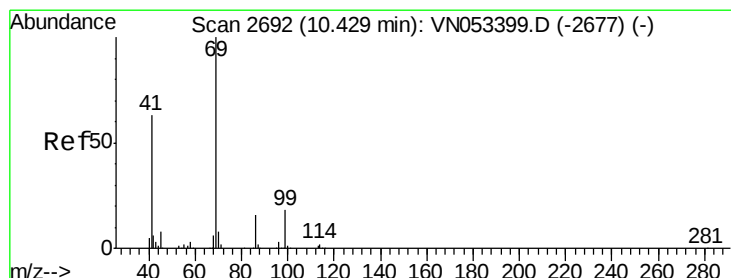
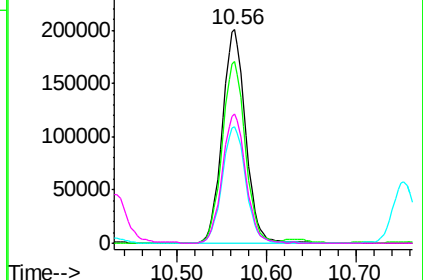
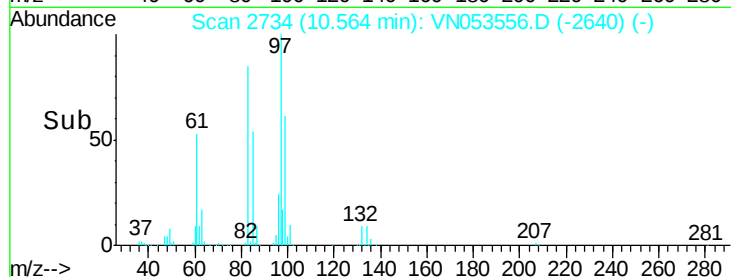


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.707 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

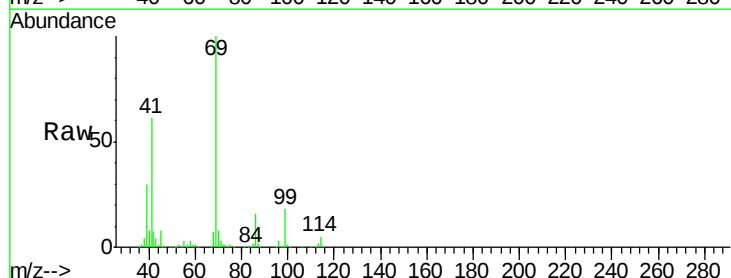
Tgt Ion: 69 Resp: 463075

Ion Ratio Lower Upper

69 100

41 61.0 49.4 74.0

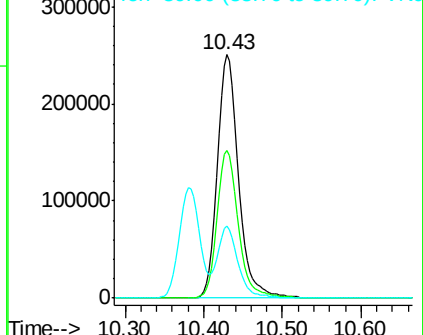
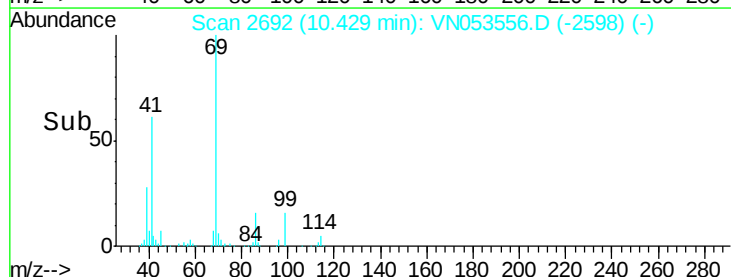
39 29.2 23.3 34.9

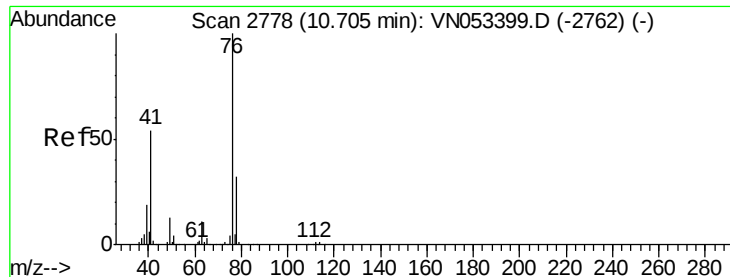


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 53.828 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 586790

Ion Ratio Lower Upper

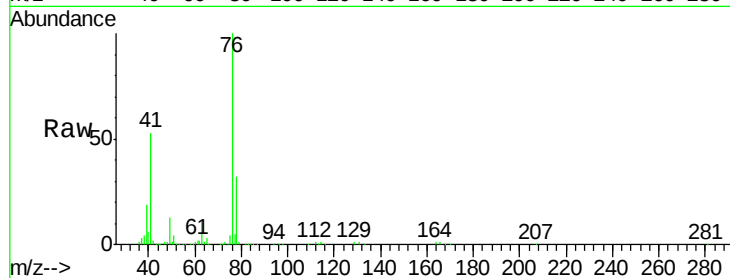
76 100

78 32.4 25.6 38.4

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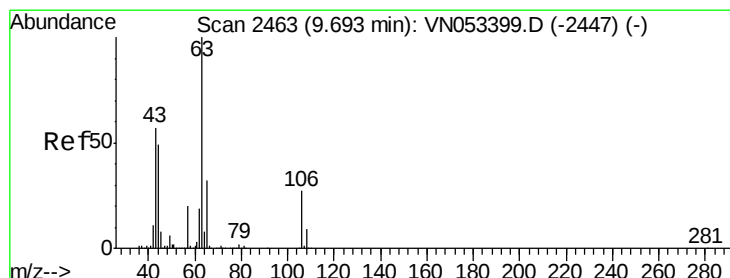
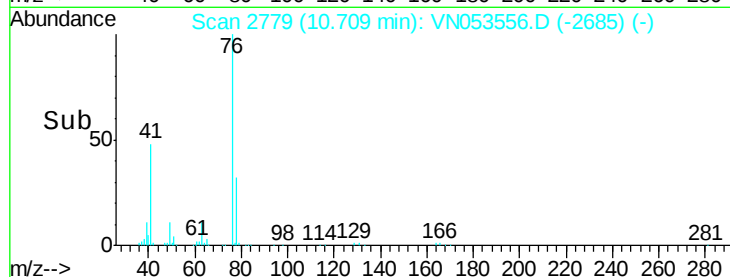
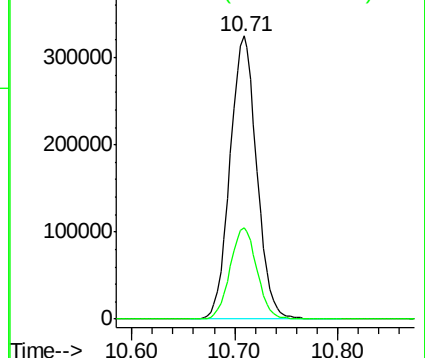
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 285.564 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053556.D

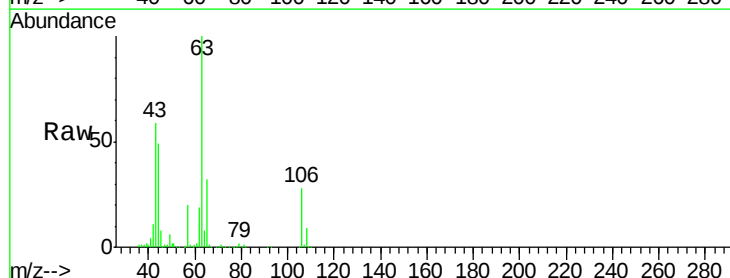
Acq: 28 Jan 2019 19:57

Tgt Ion: 63 Resp: 1258930

Ion Ratio Lower Upper

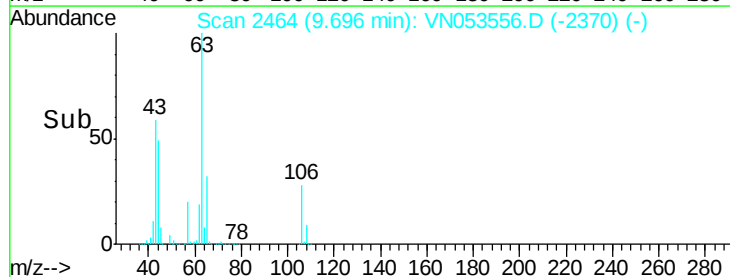
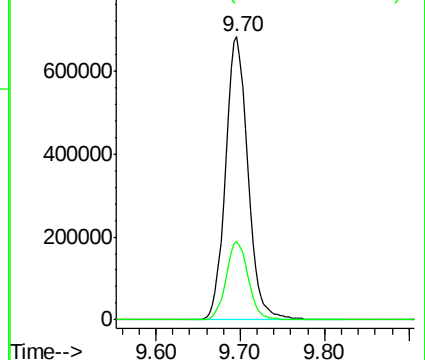
63 100

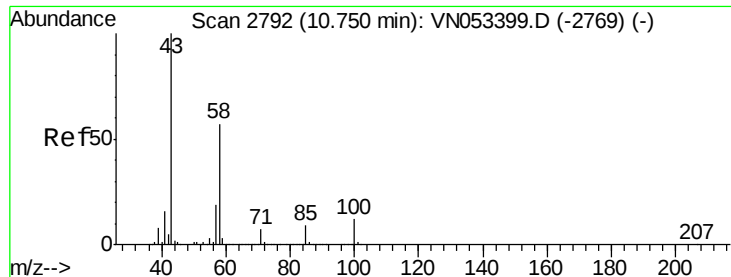
106 27.5 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





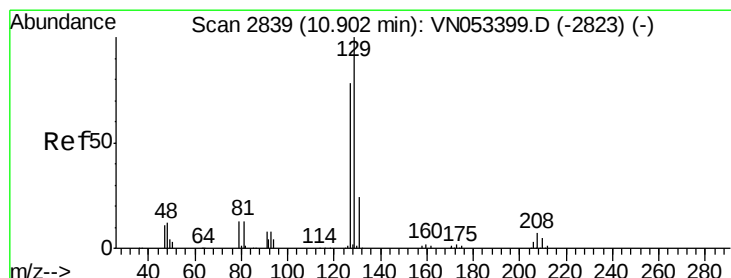
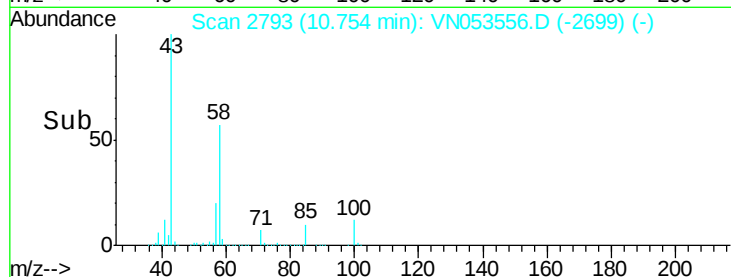
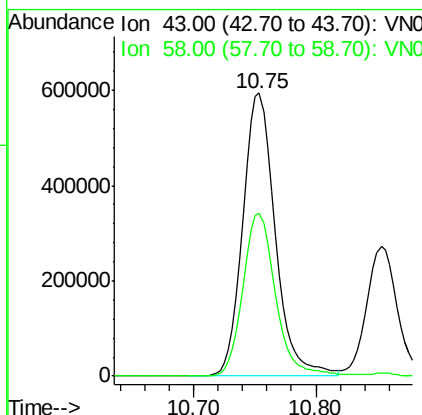
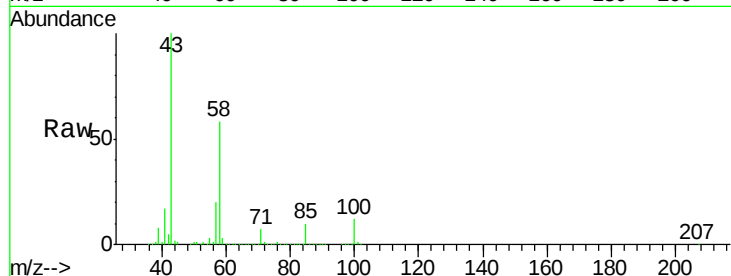
#59  
2-Hexanone  
Concen: 281.933 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1082882  
Ion Ratio Lower Upper  
43 100  
58 58.0 28.6 85.8

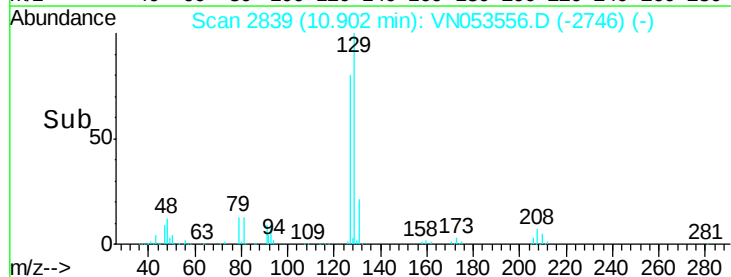
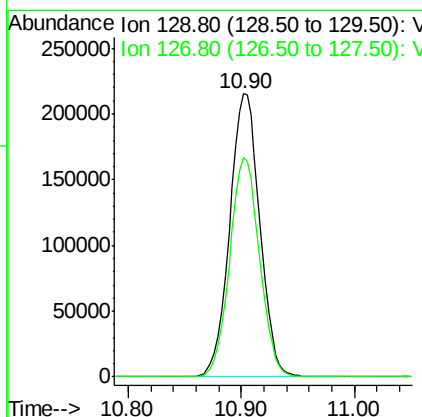
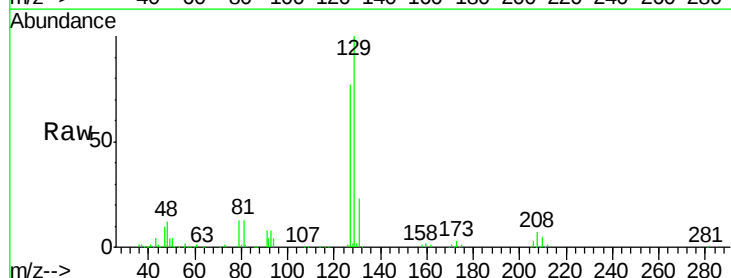
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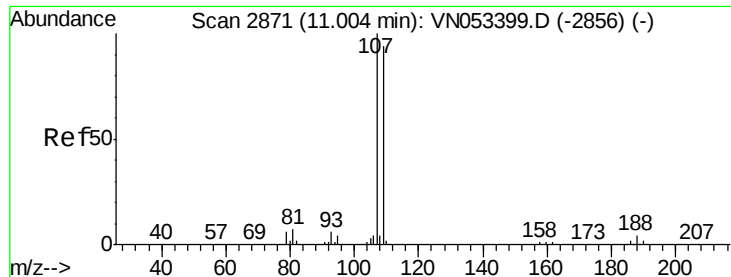
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 55.641 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Tgt Ion: 129 Resp: 397693  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.6 115.8





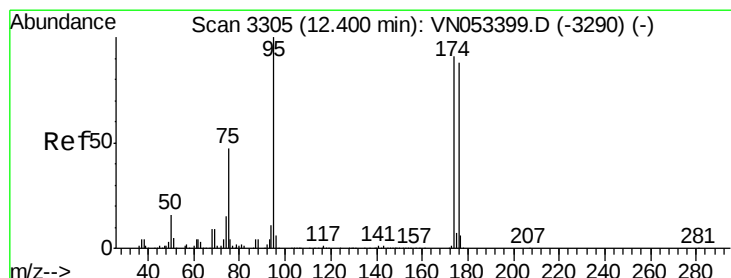
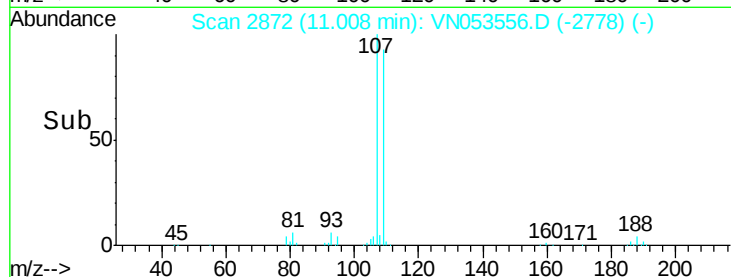
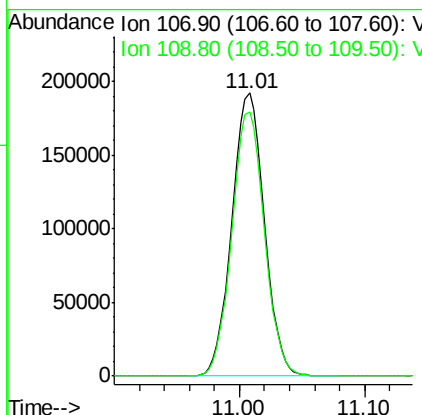
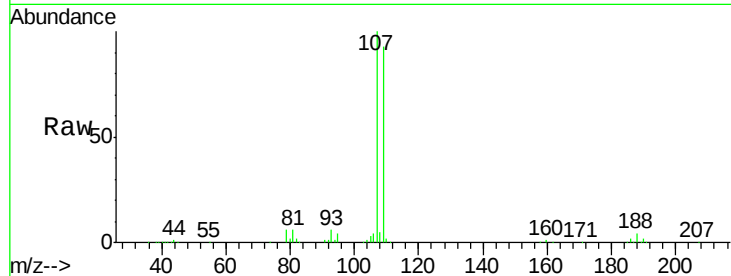
#61  
 1,2-Dibromoethane  
 Concen: 54.313 ug/l  
 RT: 11.01 min Scan# 2872  
 Delta R.T. 0.00 min  
 Lab File: VN053556.D  
 Acq: 28 Jan 2019 19:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 107 Resp: 346148  
 Ion Ratio Lower Upper  
 107 100  
 109 93.9 75.7 113.5

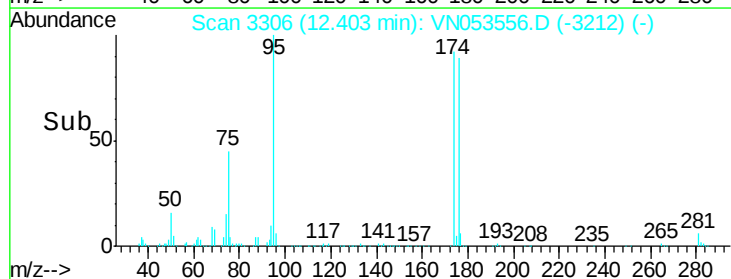
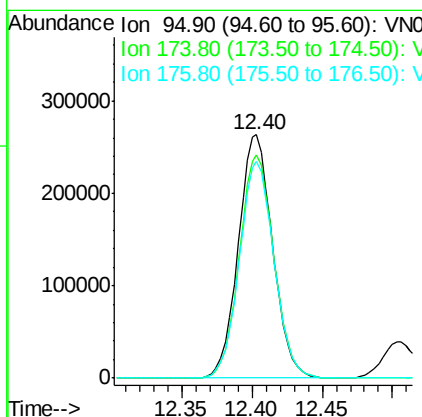
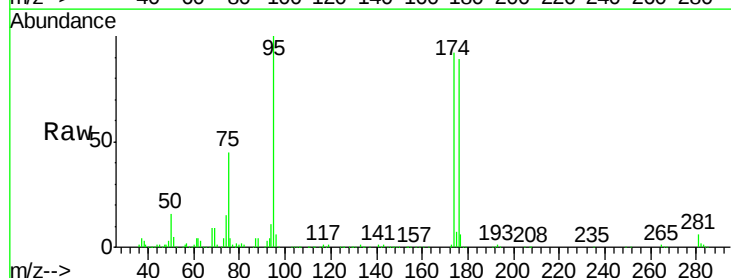
Manual Integrations  
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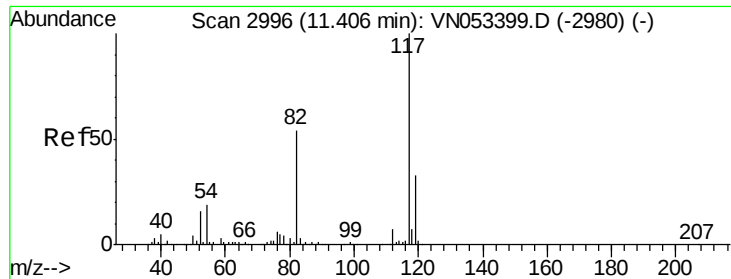
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#62  
 4-Bromofluorobenzene  
 Concen: 54.313 ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. 0.00 min  
 Lab File: VN053556.D  
 Acq: 28 Jan 2019 19:57

Tgt Ion: 95 Resp: 448742  
 Ion Ratio Lower Upper  
 95 100  
 174 92.6 0.0 183.2  
 176 89.8 0.0 177.4





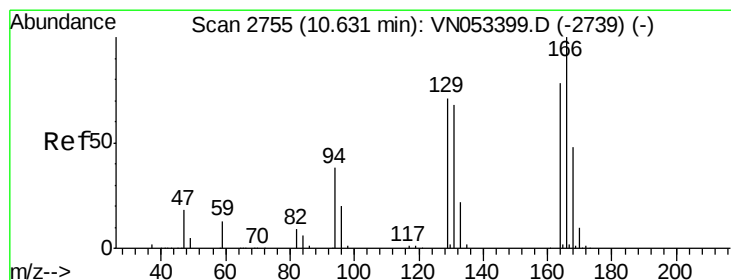
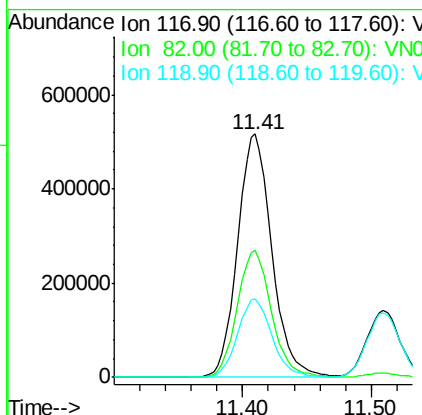
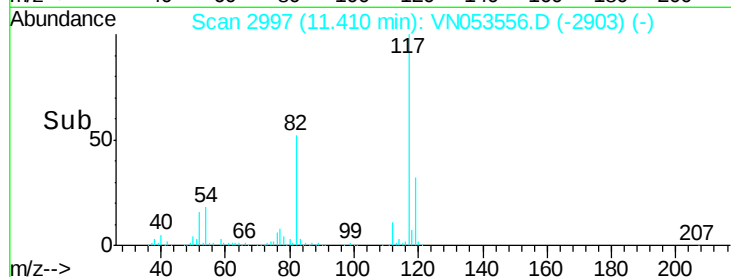
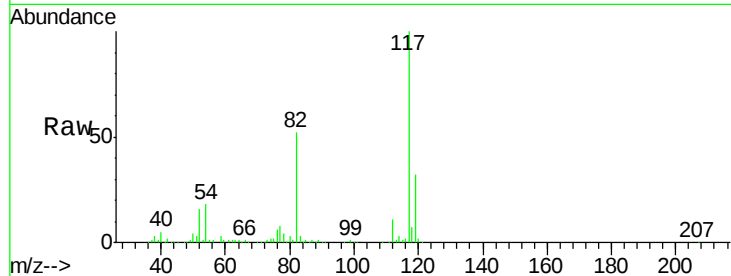
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 955391 |       |       |
| 82      | 52.1  | 42.9   | 64.3  |       |
| 119     | 32.0  | 26.0   | 39.0  |       |

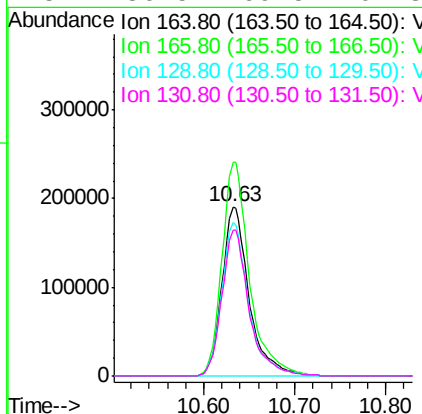
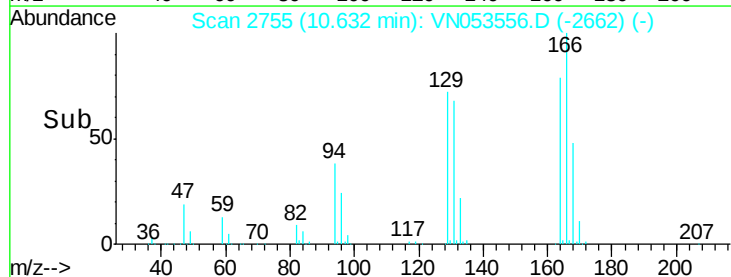
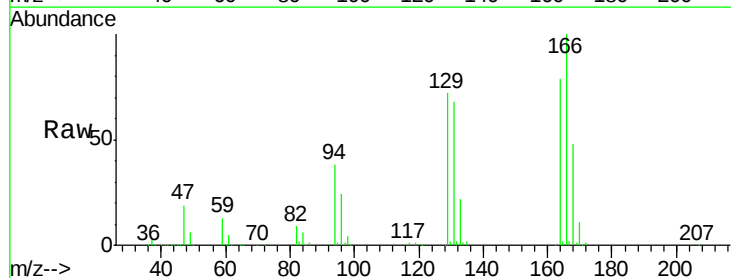
Manual Integrations  
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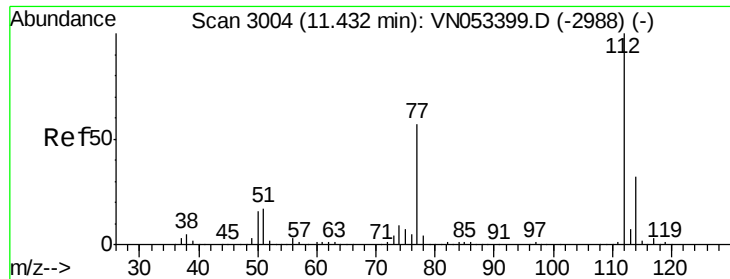
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#64  
Tetrachloroethene  
Concen: 43.900 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 395253 |       |       |
| 166     | 126.4 | 102.2  | 153.4 |       |
| 129     | 90.6  | 72.6   | 109.0 |       |
| 131     | 86.5  | 69.5   | 104.3 |       |





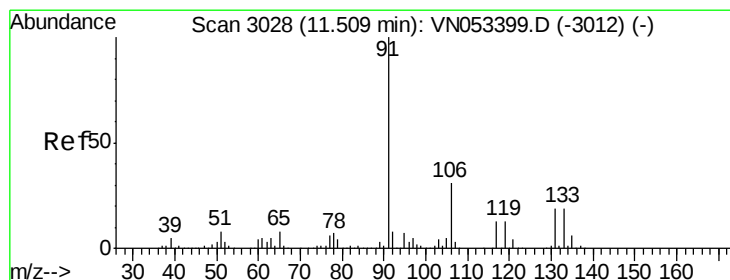
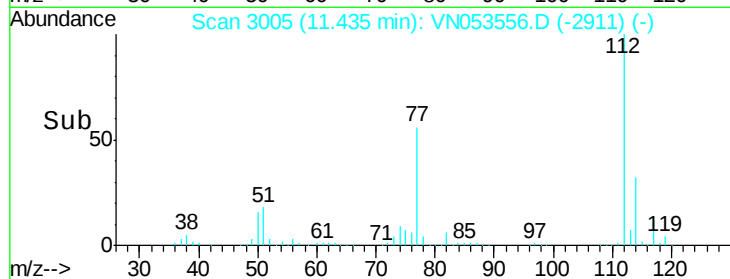
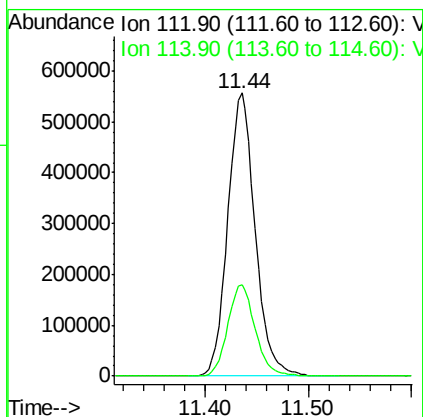
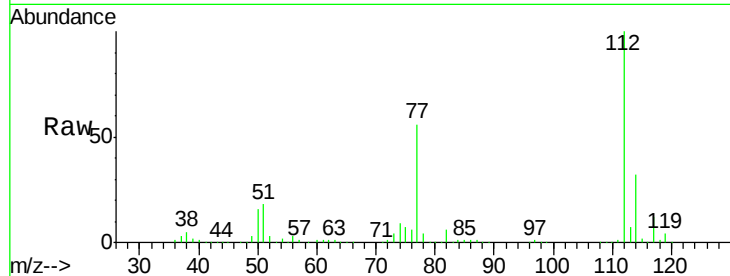
#65  
Chlorobenzene  
Concen: 50.926 ug/l  
RT: 11.44 min Scan# 3005  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 1029844  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.3 37.9

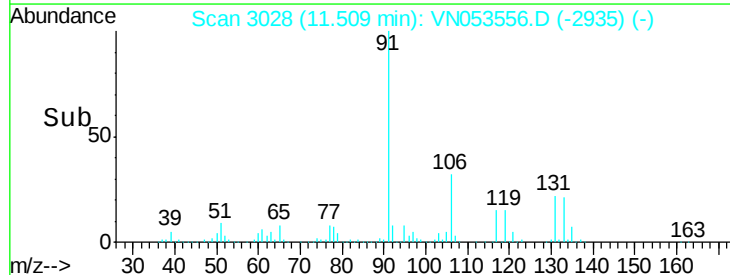
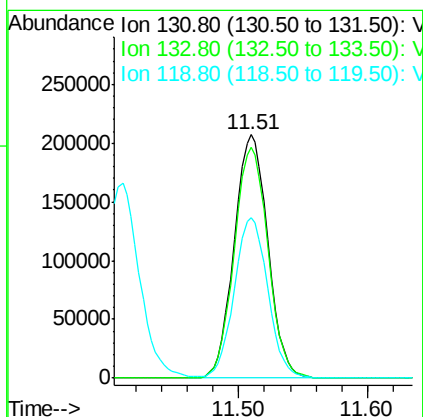
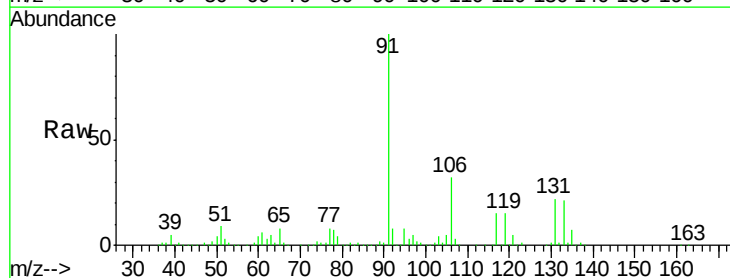
Manual Integrations  
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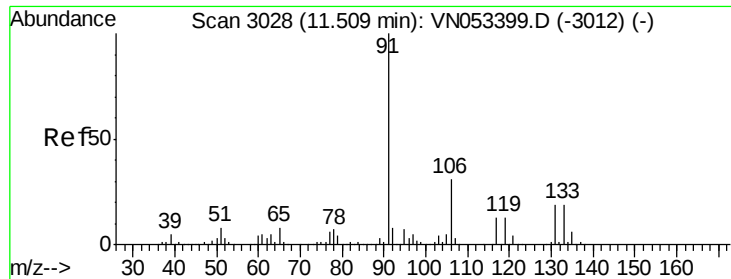
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.488 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Tgt Ion:131 Resp: 376294  
Ion Ratio Lower Upper  
131 100  
133 95.2 48.0 144.0  
119 65.6 33.5 100.5





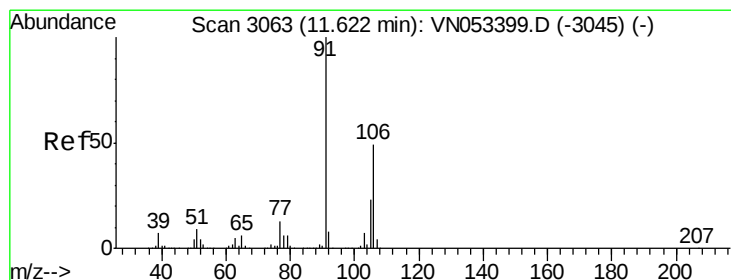
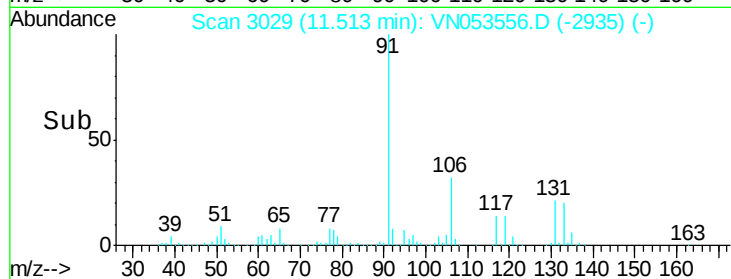
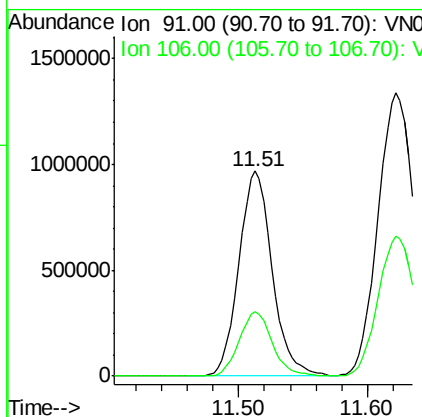
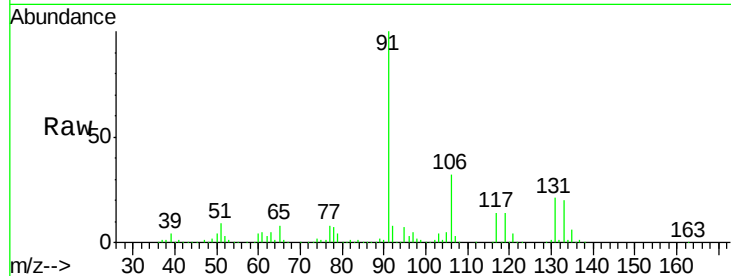
#67  
Ethyl Benzene  
Concen: 50.544 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 1741934  
Ion Ratio Lower Upper  
91 100  
106 31.6 25.0 37.6

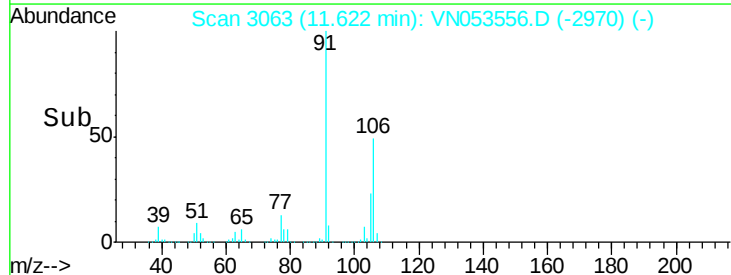
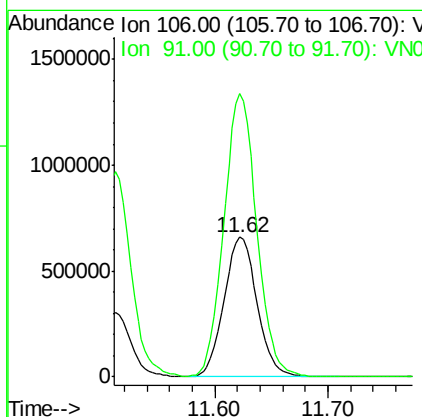
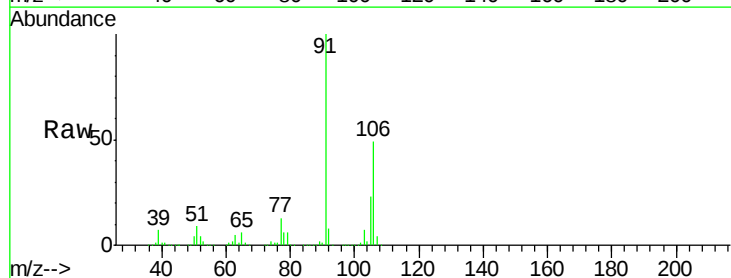
Manual Integrations  
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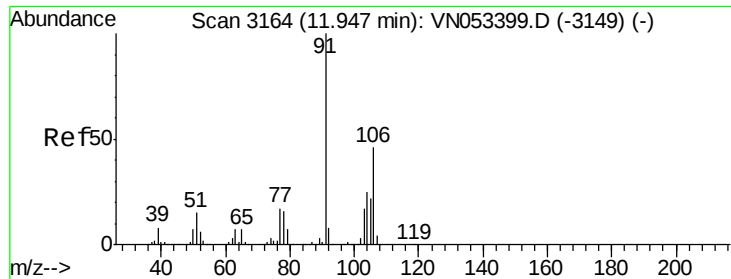
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#68  
m/p-Xylenes  
Concen: 102.889 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Tgt Ion: 106 Resp: 1338806  
Ion Ratio Lower Upper  
106 100  
91 201.1 161.4 242.2





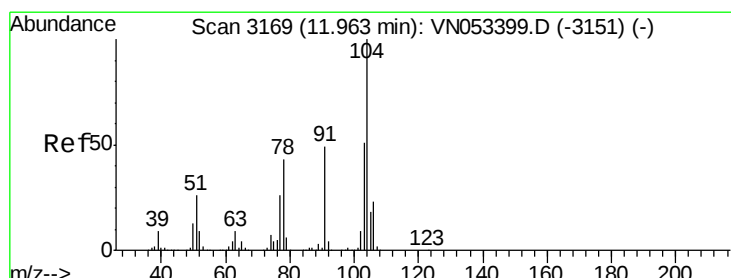
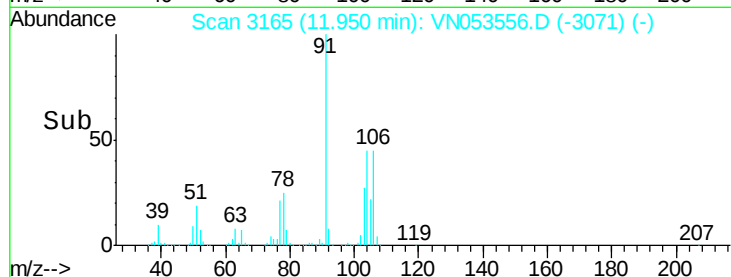
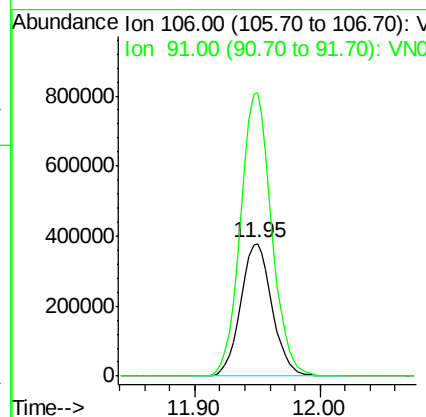
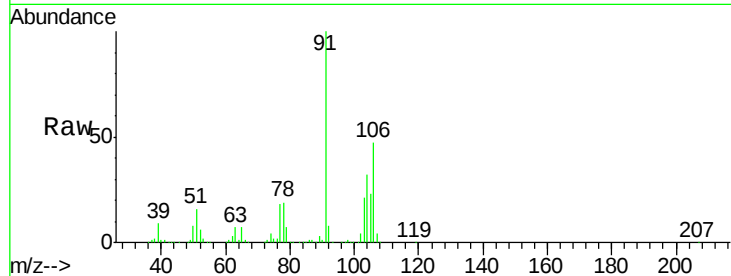
#69  
o-Xylene  
Concen: 51.890 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 656087  
Ion Ratio Lower Upper  
106 100  
91 212.4 106.9 320.8

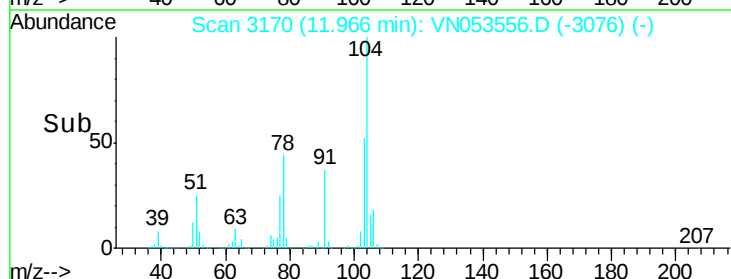
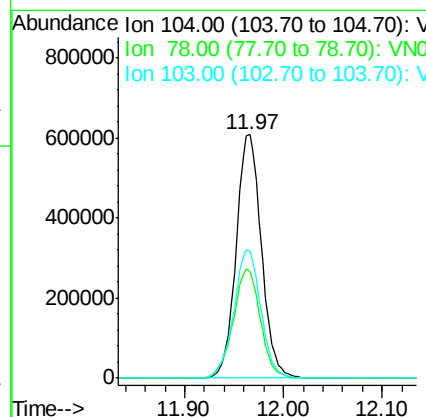
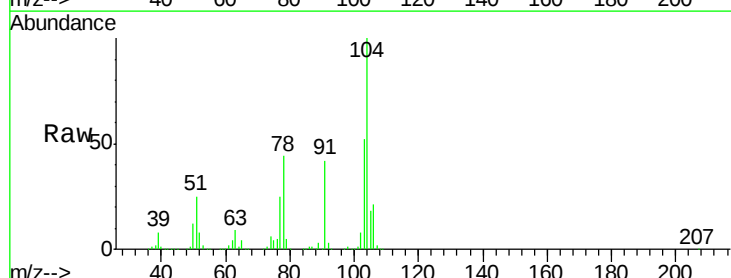
Manual Integrations  
APPROVED

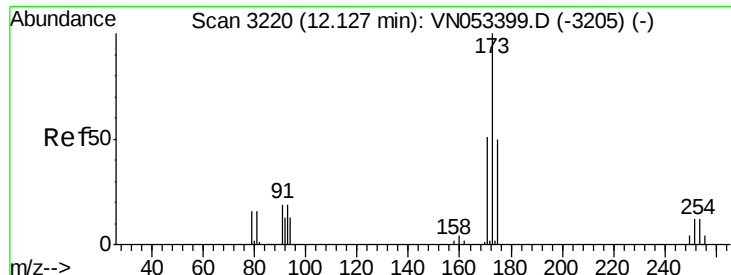
MMDadoda  
1/29/2019 9:52:57 AM



#70  
Styrene  
Concen: 52.737 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Tgt Ion:104 Resp: 1082194  
Ion Ratio Lower Upper  
104 100  
78 48.3 38.2 57.2  
103 56.3 44.4 66.6





#71

Bromoform

Concen: 57.825 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

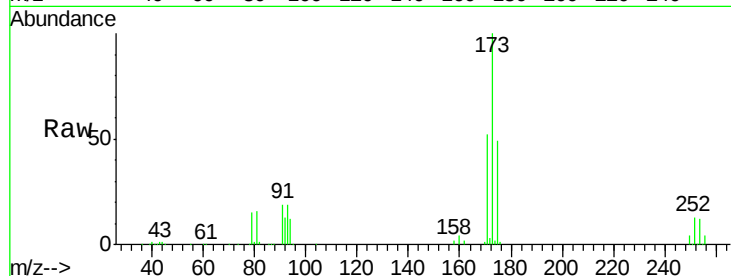
ClientSampleId :

VSTDCCC050EC

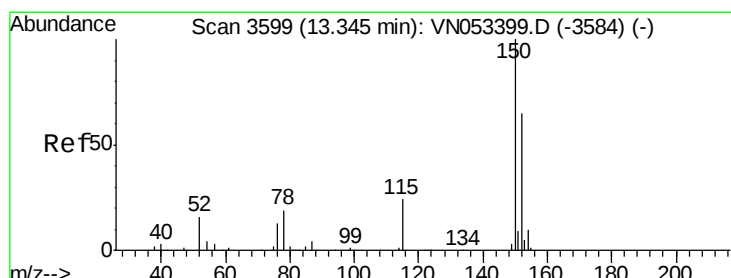
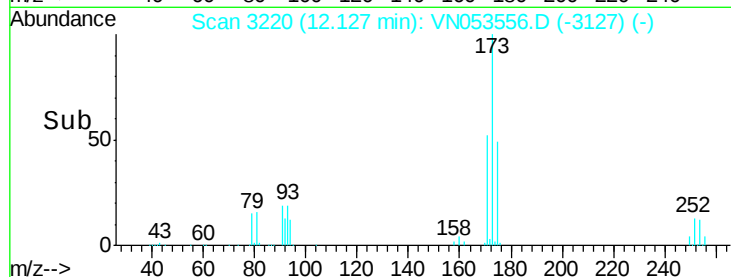
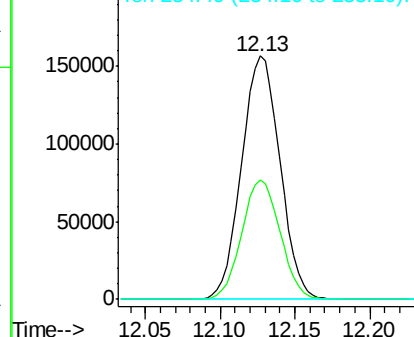
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.9  | 24.6  | 74.0  |
| 254     | 0.1   | 0.2   | 0.2   |

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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

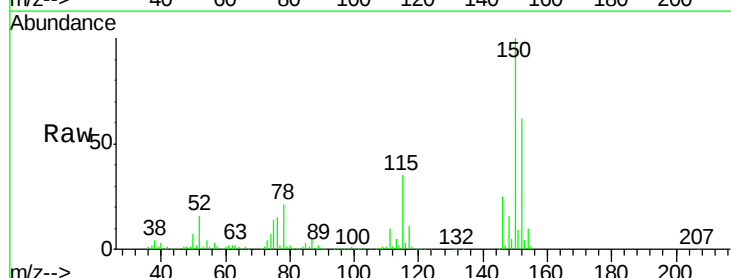
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

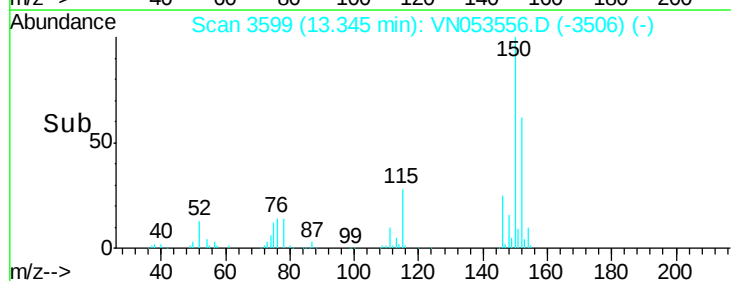
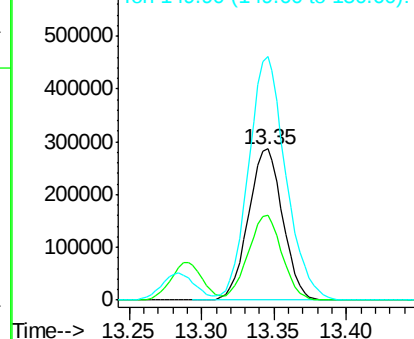
Lab File: VN053556.D

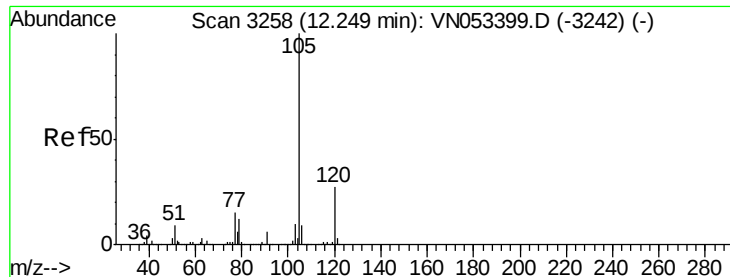
Acq: 28 Jan 2019 19:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.7  | 27.8  | 83.4  |
| 150     | 174.8 | 0.0   | 349.0 |



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: 49.592 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1708990

Ion Ratio Lower Upper

105 100

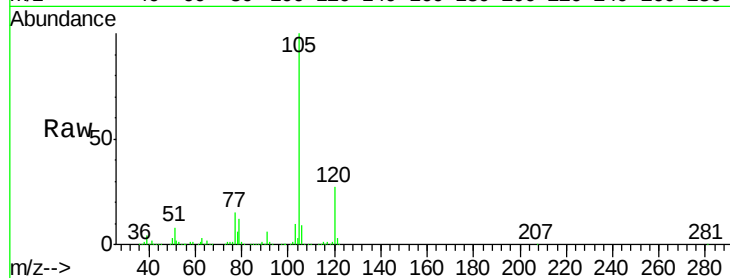
120 26.9 13.6 40.7

Manual Integrations

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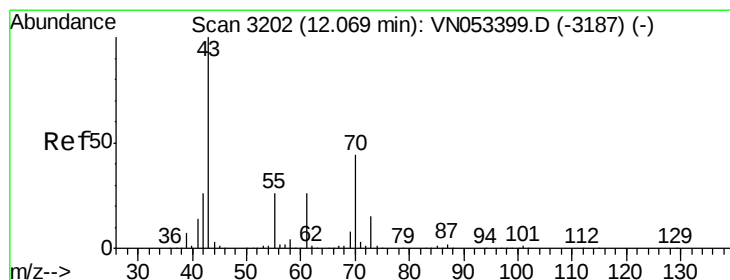
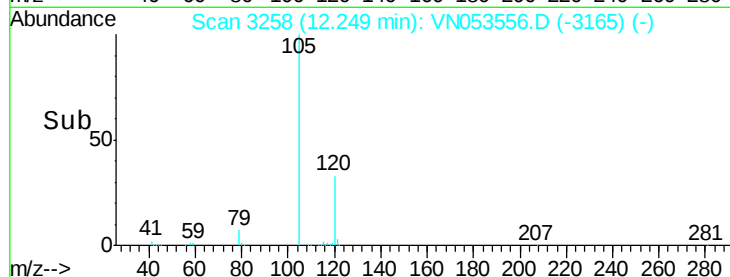
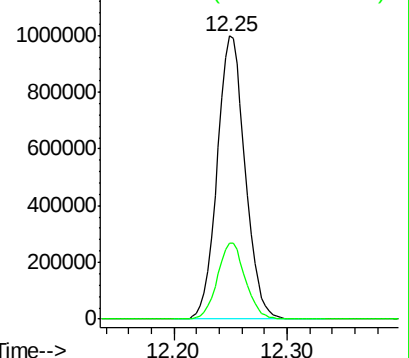
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.798 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Tgt Ion: 43 Resp: 485031

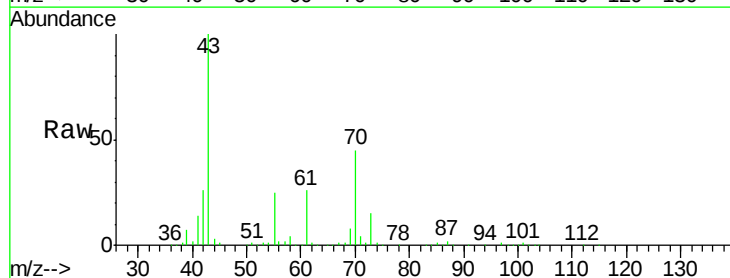
Ion Ratio Lower Upper

43 100

70 45.6 35.4 53.2

55 25.7 20.9 31.3

61 26.2 20.5 30.7

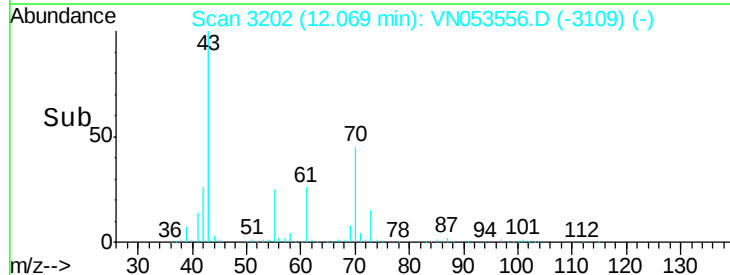
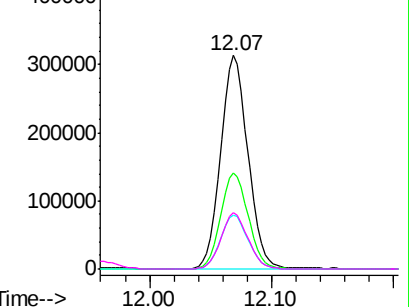


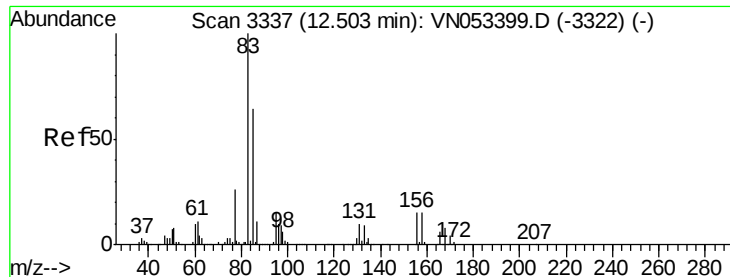
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 60.721 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 438850

Ion Ratio Lower Upper

83 100

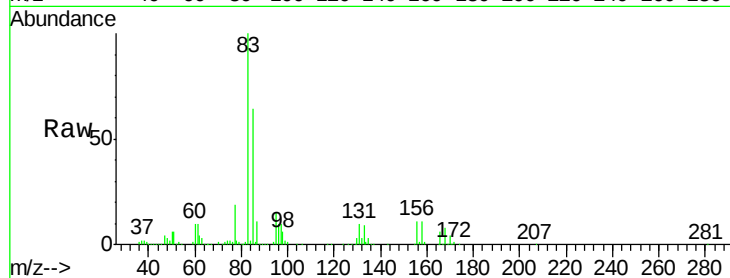
131 10.4 5.3 15.8

85 64.4 32.1 96.3

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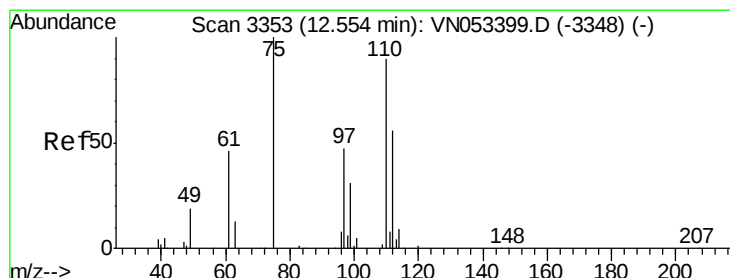
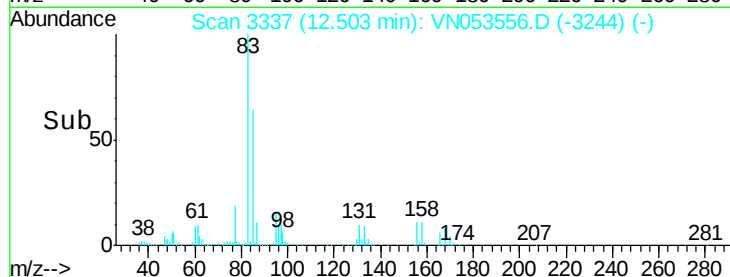
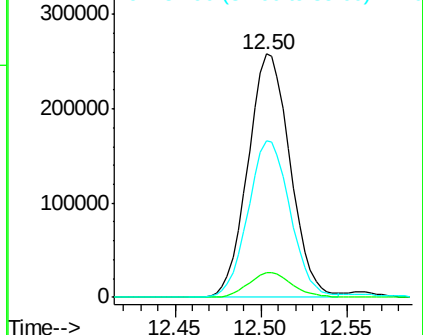
1/29/2019 9:52:57 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 53.837 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053556.D

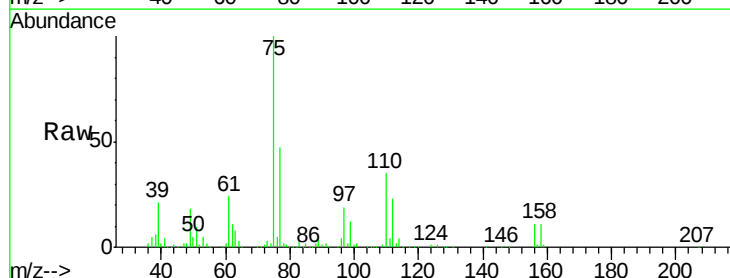
Acq: 28 Jan 2019 19:57

Tgt Ion: 75 Resp: 333859

Ion Ratio Lower Upper

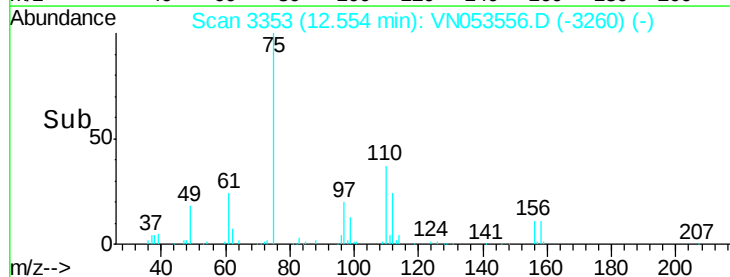
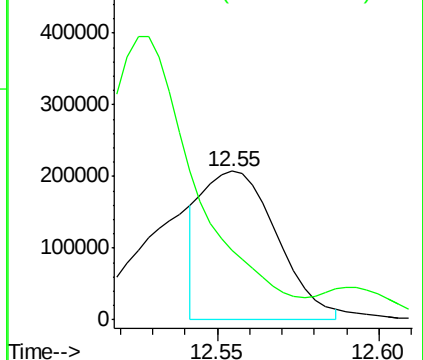
75 100

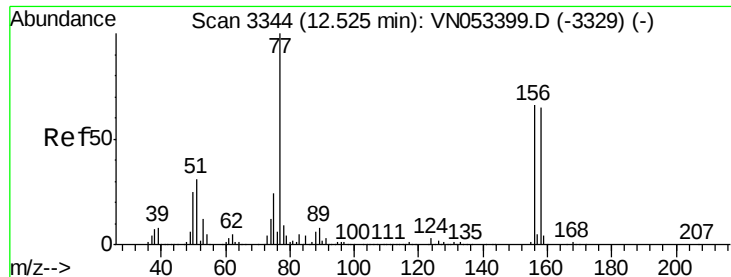
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 50.728 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

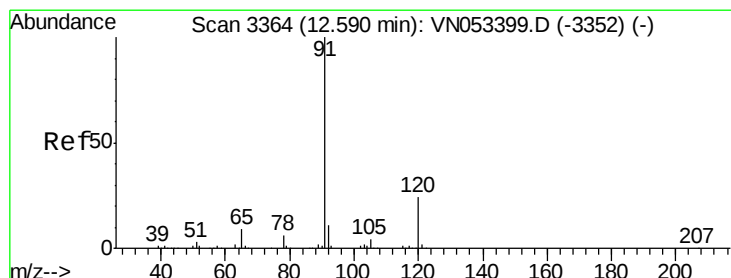
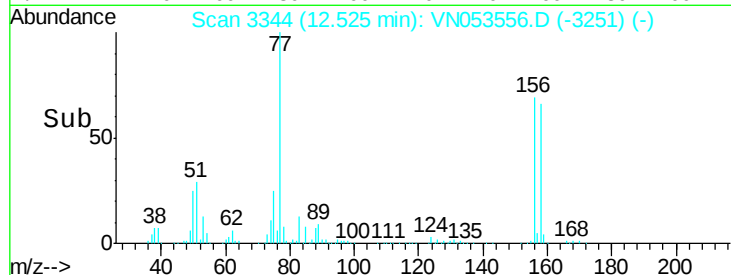
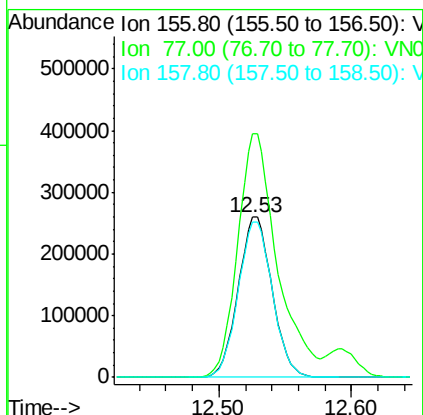
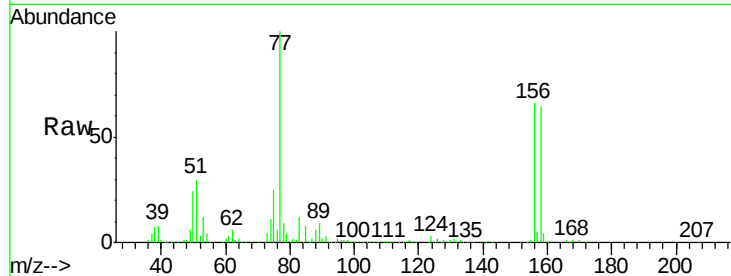
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 178.0 | 87.9  | 263.8 |
| 158     | 97.9  | 48.8  | 146.4 |

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#78

n-propylbenzene

Concen: 50.144 ug/l

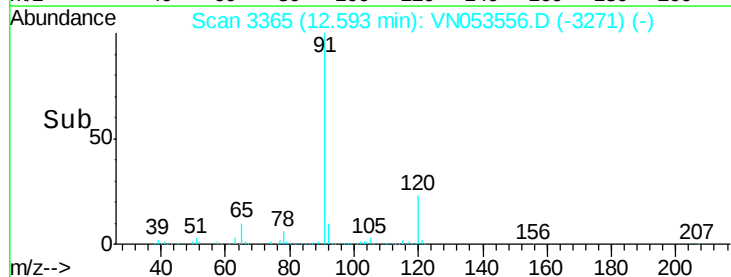
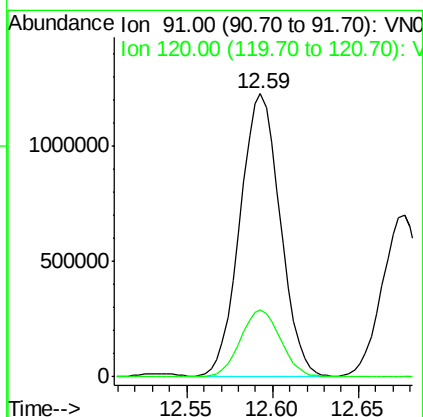
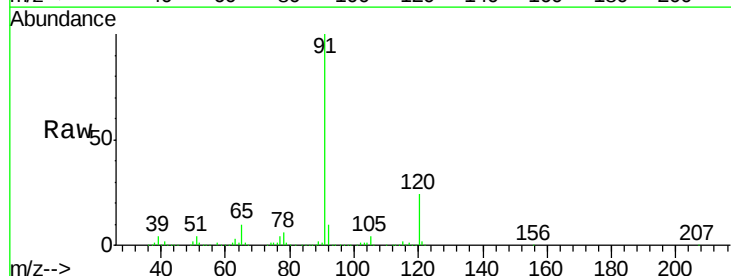
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.7  | 11.9  | 35.5  |





#79

2-Chlorotoluene

Concen: 50.011 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1172616

Ion Ratio Lower Upper

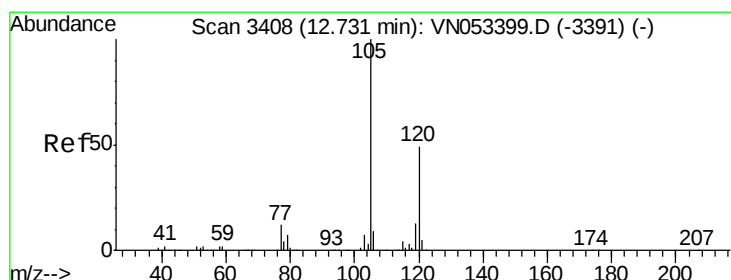
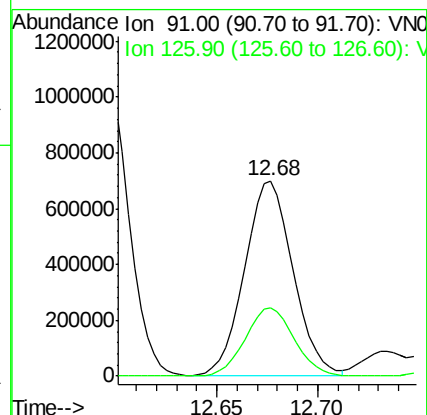
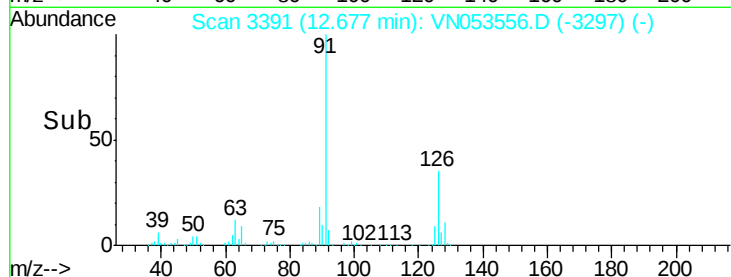
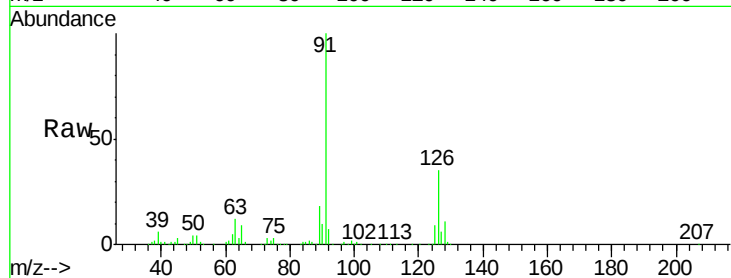
91 100

126 35.6 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 51.541 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053556.D

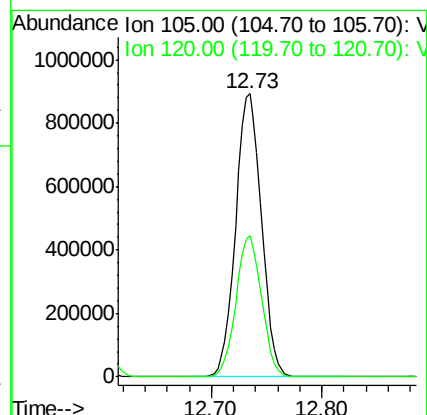
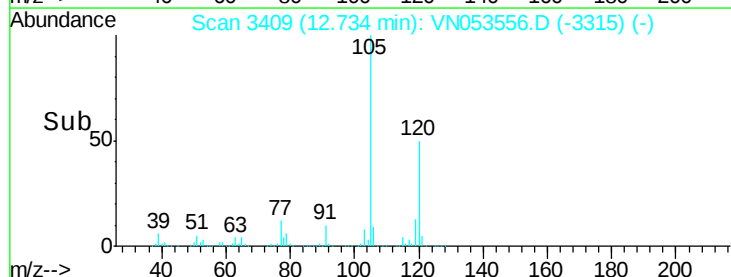
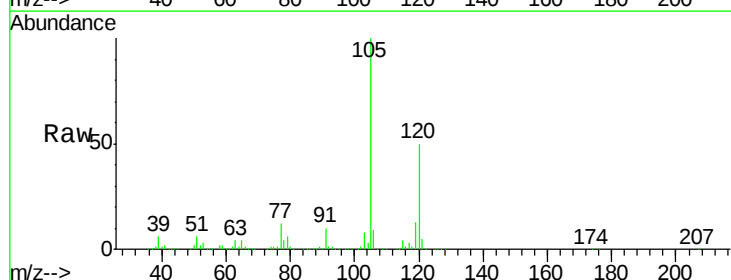
Acq: 28 Jan 2019 19:57

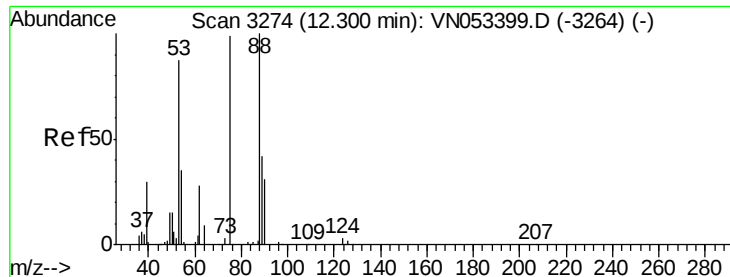
Tgt Ion: 105 Resp: 1445120

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6





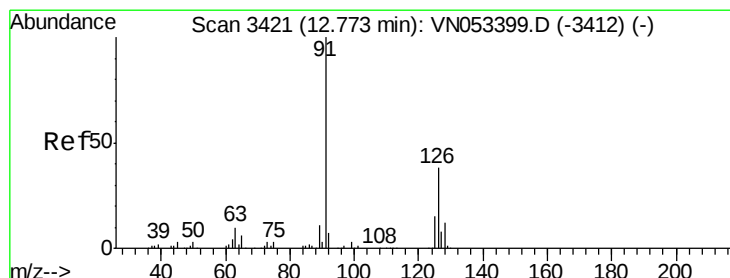
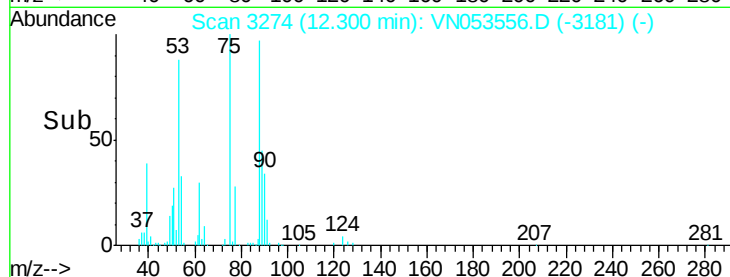
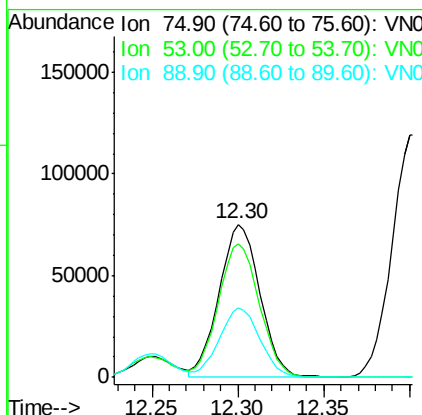
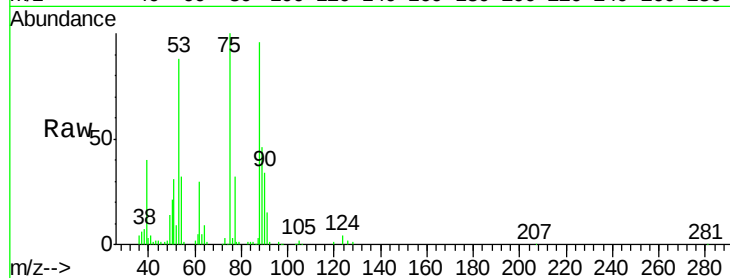
#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.884 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 88.3  | 69.8  | 104.6 |
| 89      | 45.5  | 35.6  | 53.4  |

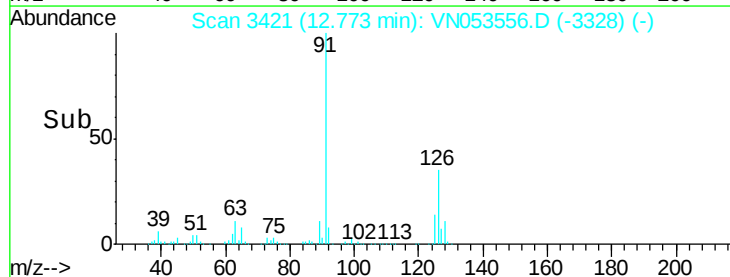
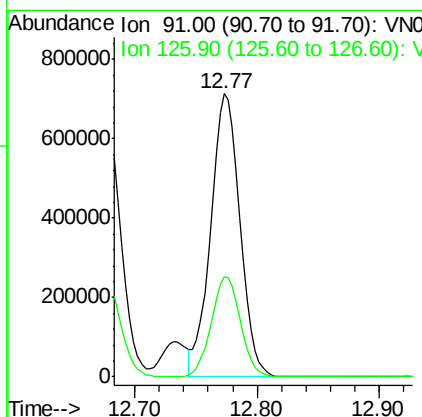
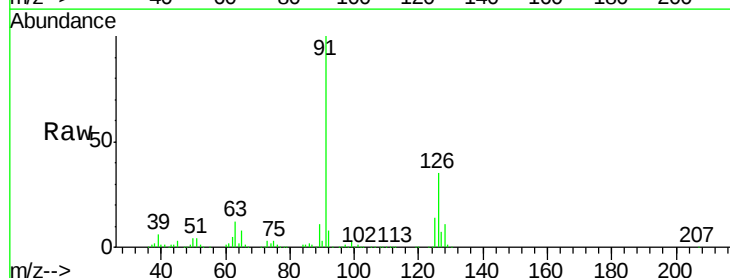
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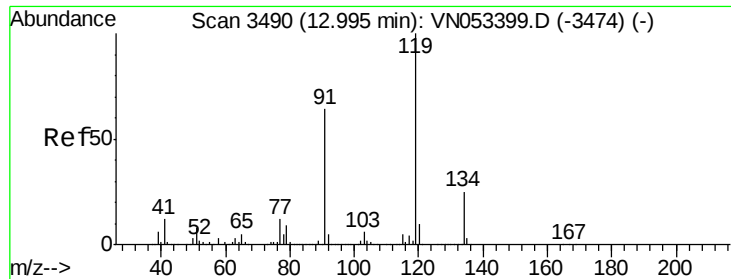
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#82  
4-Chlorotoluene  
Concen: 50.101 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.4  | 17.6  | 52.9  |





#83

tert-Butylbenzene

Concen: 51.123 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

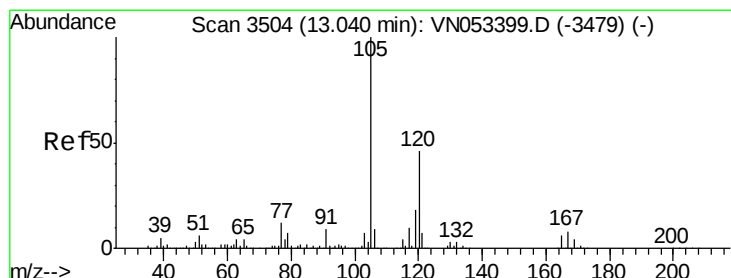
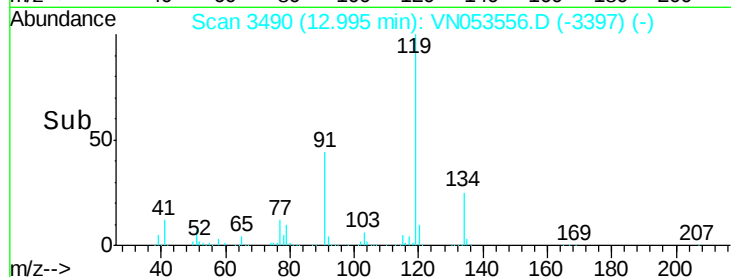
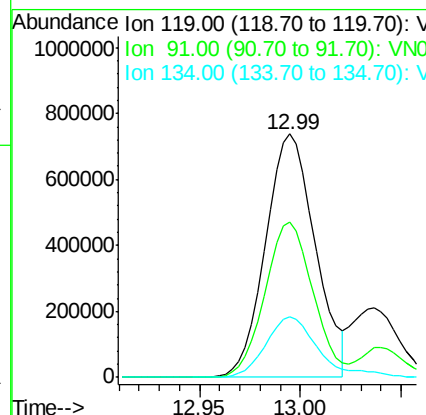
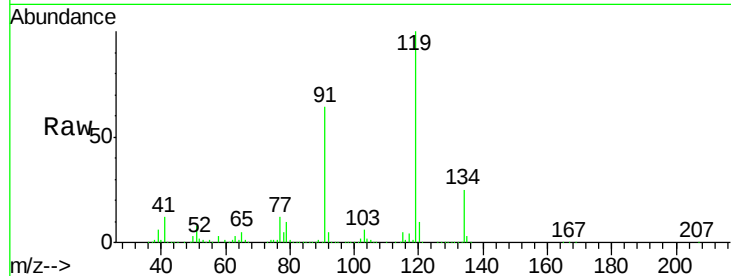
ClientSampleId :

VSTDCCC050EC

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 119   | Resp: | 1266015 |
| Ion      | Ratio | Lower | Upper   |
| 119      | 100   |       |         |
| 91       | 61.8  | 31.3  | 93.8    |
| 134      | 26.4  | 12.9  | 38.7    |

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#84

1,2,4-Trimethylbenzene

Concen: 52.705 ug/l

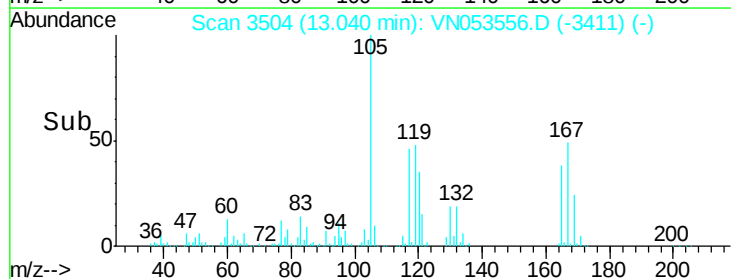
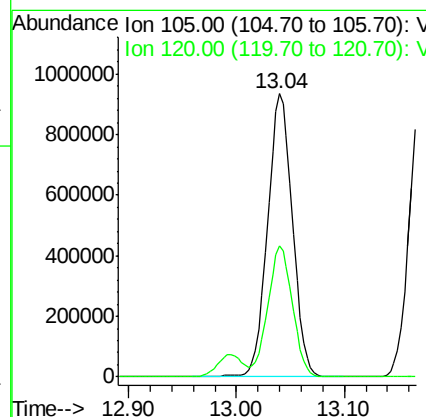
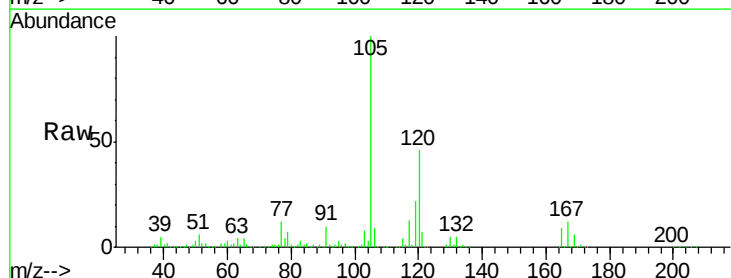
RT: 13.04 min Scan# 3504

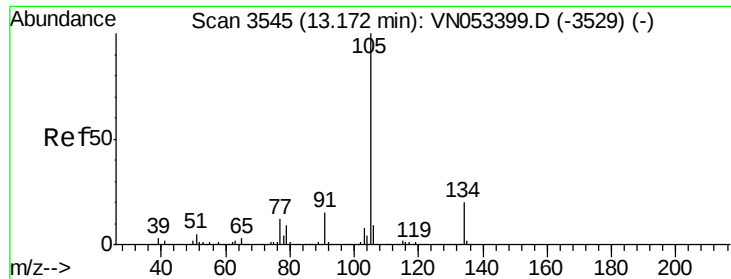
Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 105   | Resp: | 1490029 |
| Ion      | Ratio | Lower | Upper   |
| 105      | 100   |       |         |
| 120      | 46.0  | 23.0  | 69.0    |





#85

sec-Butylbenzene

Concen: 51.005 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1732240

Ion Ratio Lower Upper

105 100

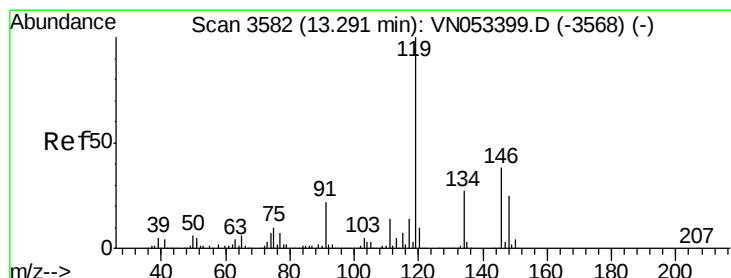
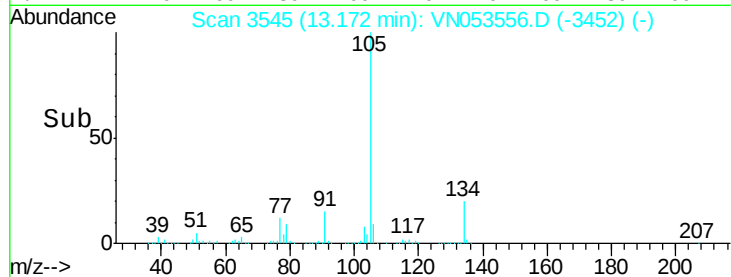
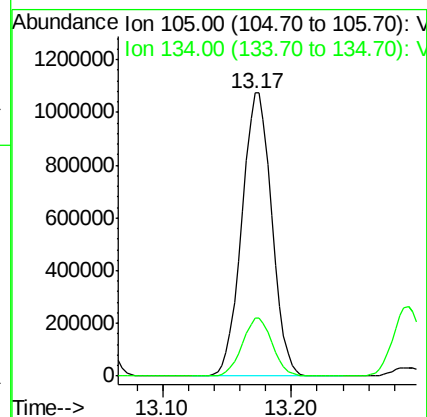
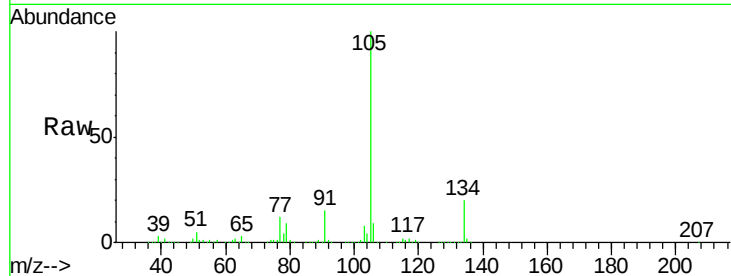
134 20.5 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 51.800 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

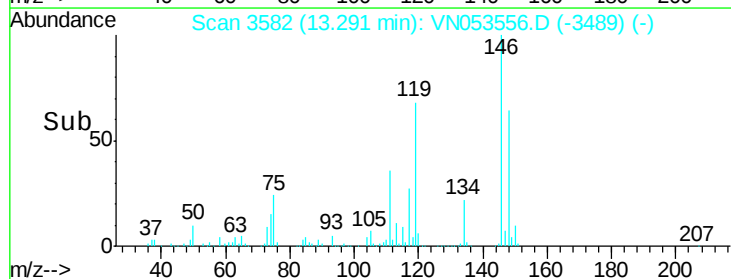
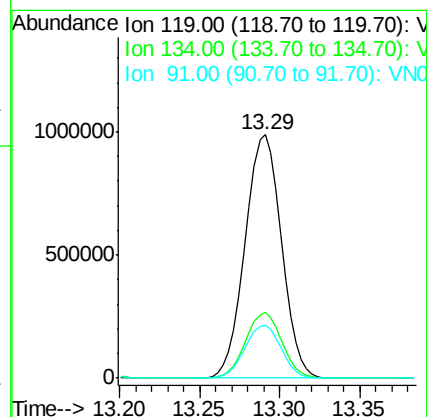
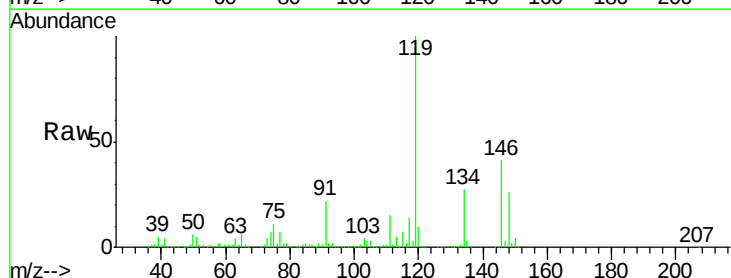
Tgt Ion:119 Resp: 1527532

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 21.6 11.0 33.0





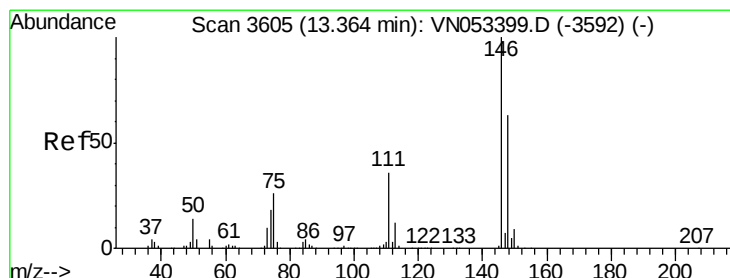
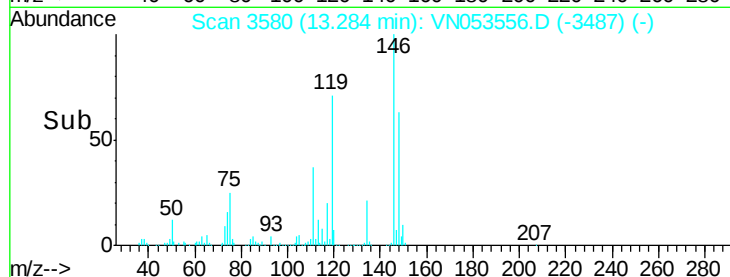
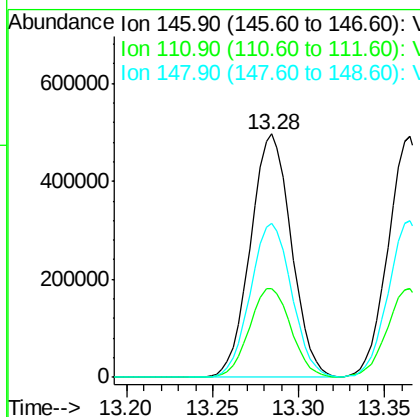
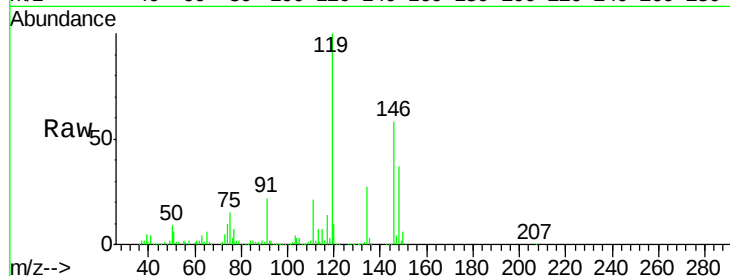
#87  
 1,3-Dichlorobenzene  
 Concen: 51.305 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN053556.D  
 Acq: 28 Jan 2019 19:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.1  | 18.8  | 56.3  |
| 148     | 63.9  | 32.0  | 96.2  |

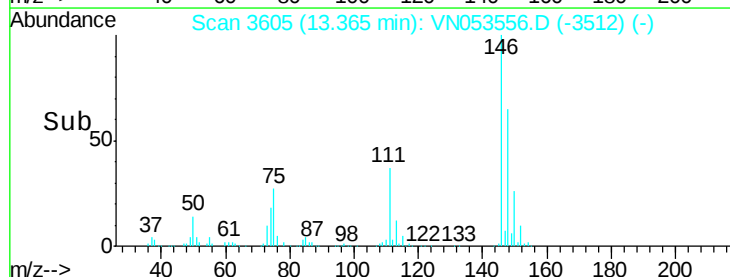
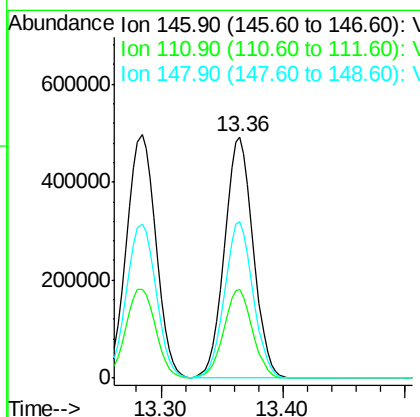
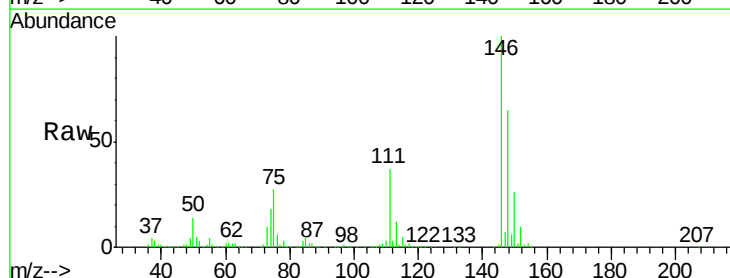
Manual Integrations  
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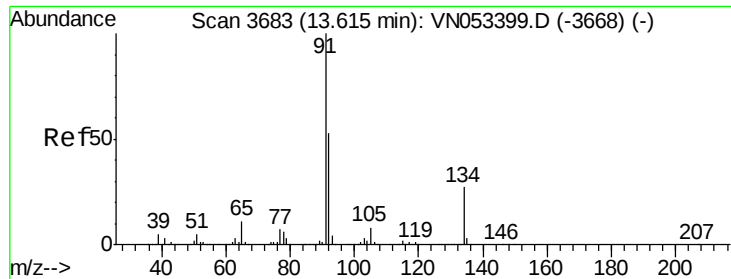
MMDadoda  
 1/29/2019 9:52:57 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 50.392 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN053556.D  
 Acq: 28 Jan 2019 19:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.8  | 18.6  | 55.8  |
| 148     | 64.7  | 32.4  | 97.0  |





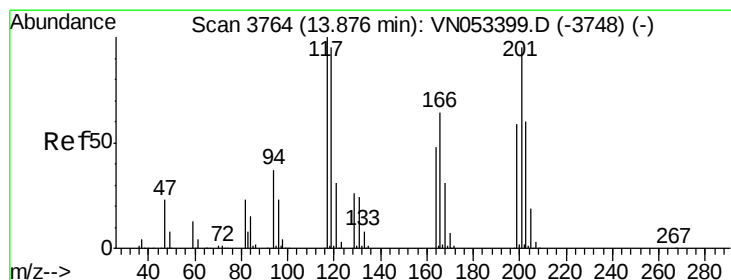
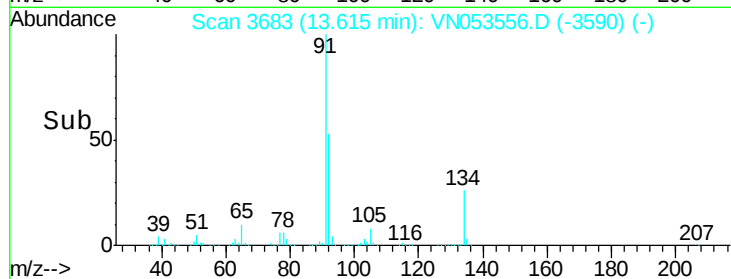
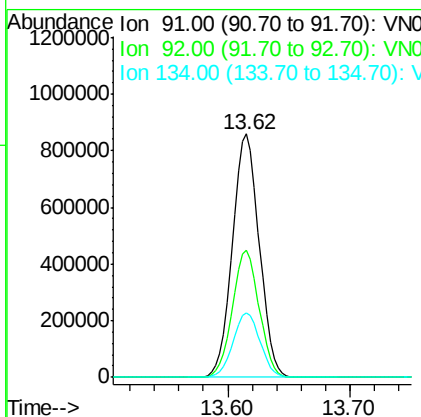
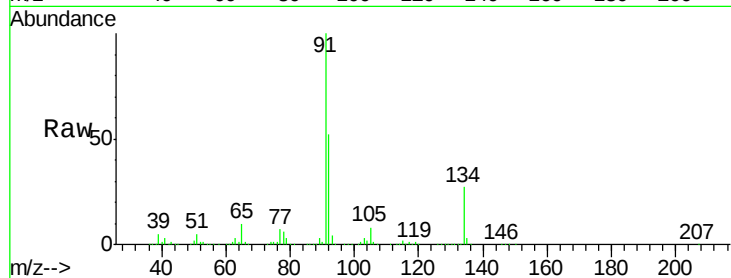
#89  
n-Butylbenzene  
Concen: 52.026 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 1307754  
Ion Ratio Lower Upper  
91 100  
92 52.2 26.3 78.8  
134 26.8 13.5 40.5

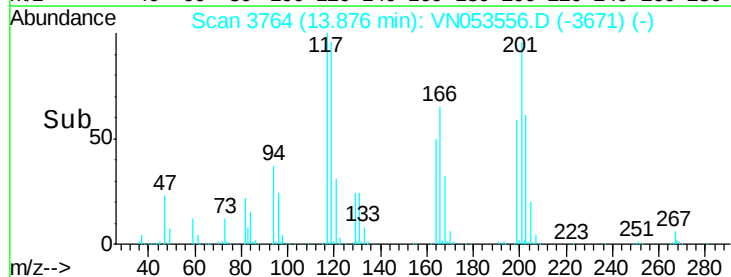
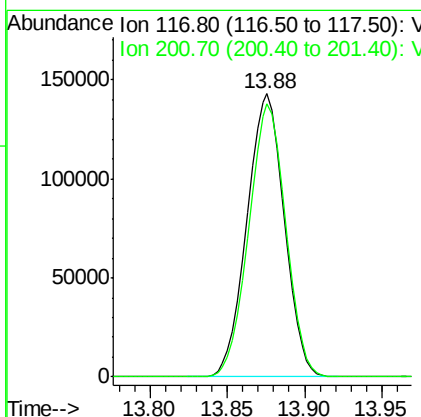
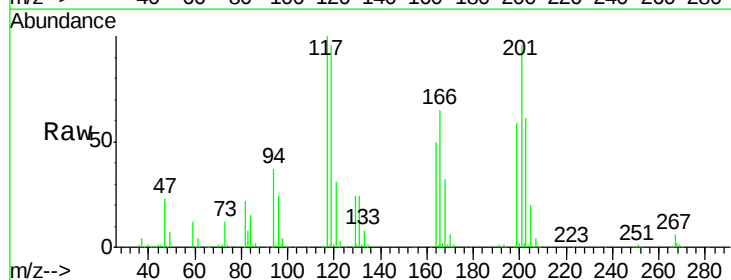
Manual Integrations  
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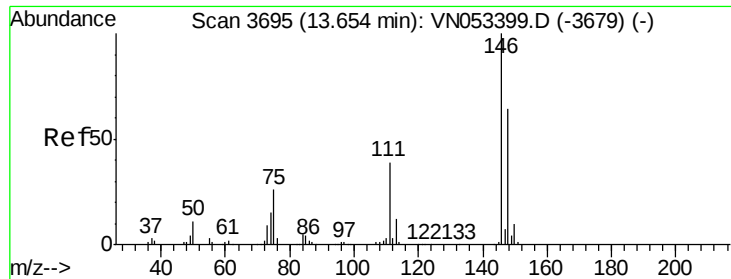
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#90  
Hexachloroethane  
Concen: 52.074 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. 0.00 min  
Lab File: VN053556.D  
Acq: 28 Jan 2019 19:57

Tgt Ion: 117 Resp: 240835  
Ion Ratio Lower Upper  
117 100  
201 95.2 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 54.698 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 803786

Ion Ratio Lower Upper

146 100

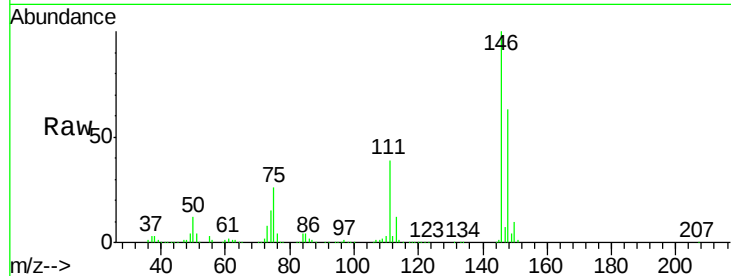
111 38.7 19.5 58.5

148 63.4 31.9 95.9

Manual Integrations  
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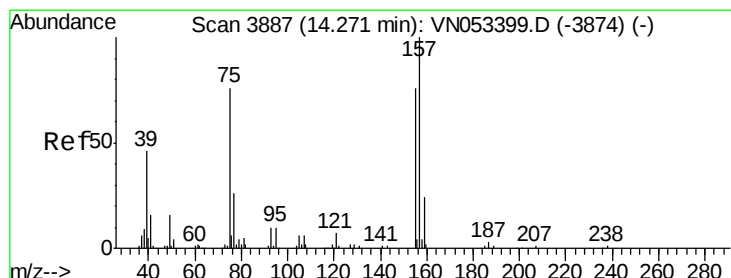
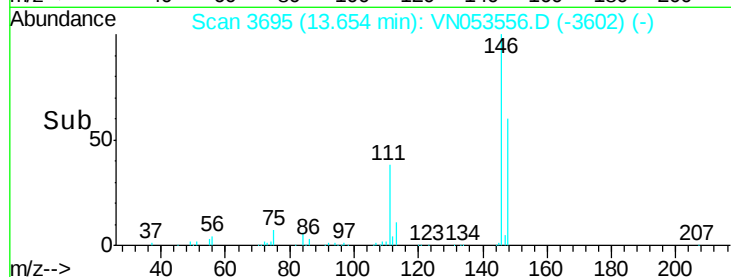
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.65

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 70.690 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

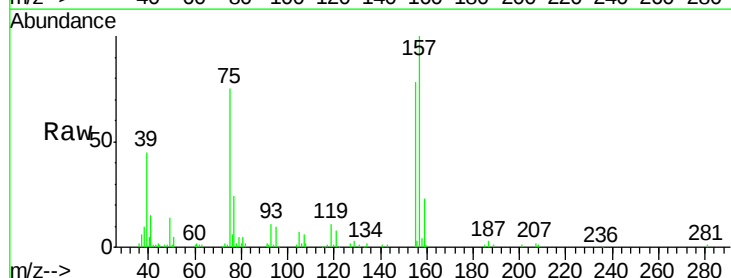
Tgt Ion: 75 Resp: 64781

Ion Ratio Lower Upper

75 100

155 101.8 48.9 146.7

157 133.4 63.7 191.3



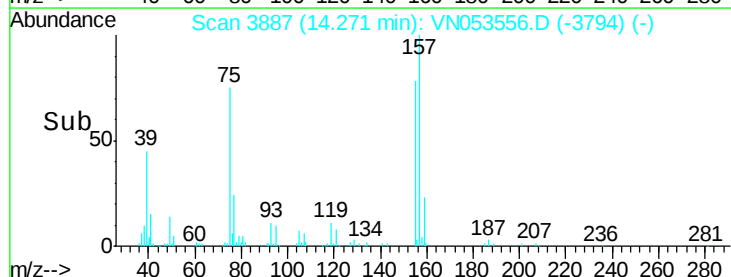
Abundance Ion 74.90 (74.60 to 75.60): V

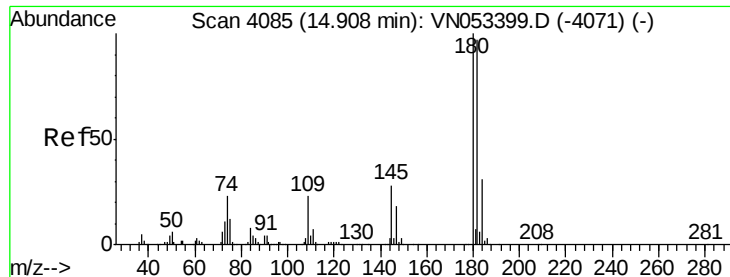
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.27

Time-->





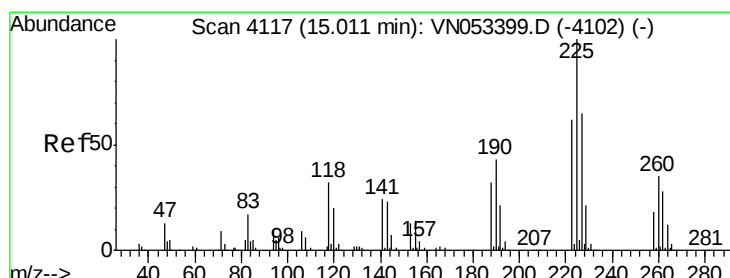
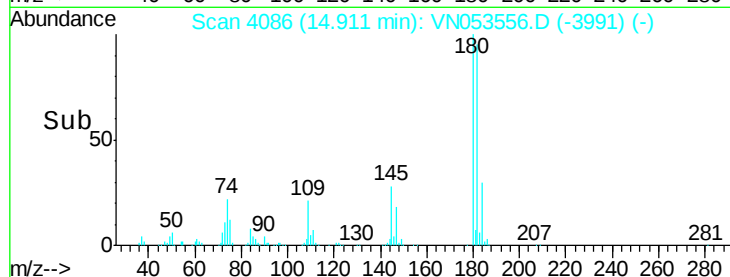
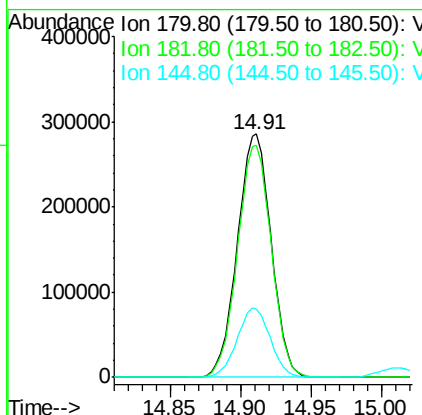
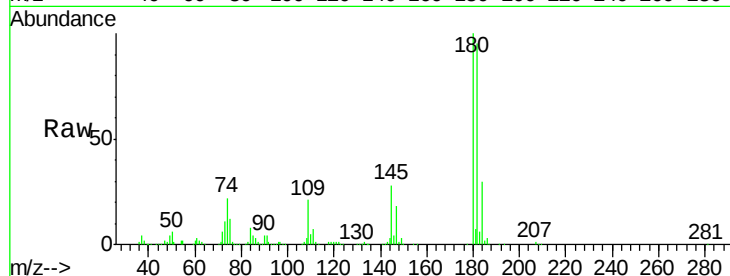
#93  
 1,2,4-Trichlorobenzene  
 Concen: 72.587 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN053556.D  
 Acq: 28 Jan 2019 19:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 479218 |       |       |
| 182     | 95.4  | 48.1   | 144.3 |       |
| 145     | 28.0  | 13.9   | 41.6  |       |

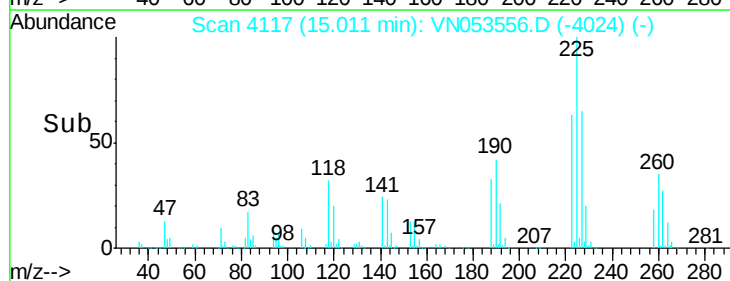
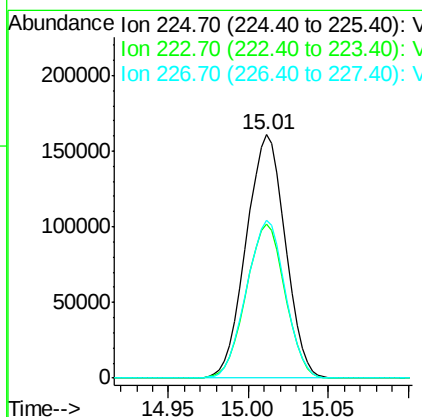
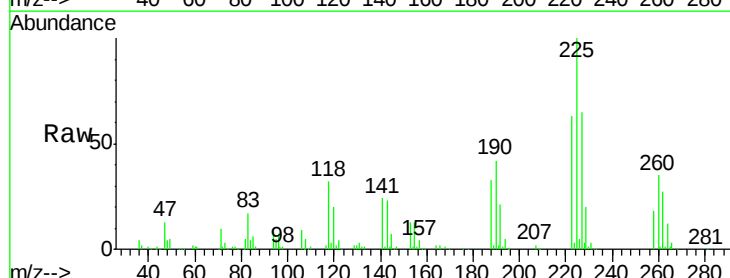
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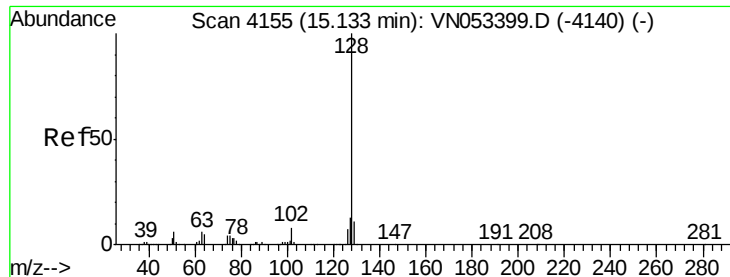
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#94  
 Hexachlorobutadiene  
 Concen: 58.594 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN053556.D  
 Acq: 28 Jan 2019 19:57

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 268600 |       |       |
| 223     | 62.9  | 31.1   | 93.2  |       |
| 227     | 64.3  | 32.0   | 96.2  |       |





#95

Naphthalene

Concen: 94.227 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1114933

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

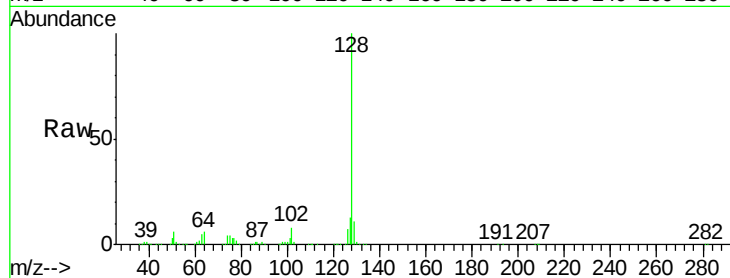
129 10.9 8.6 13.0

Manual Integrations

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MMDadoda

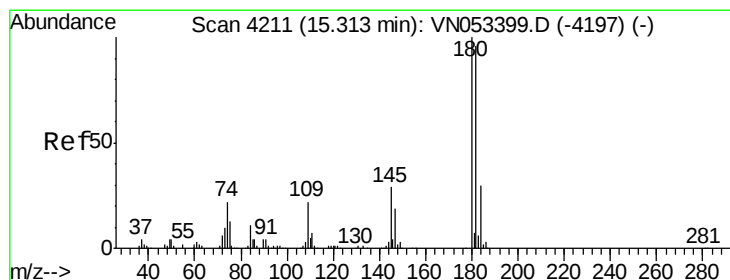
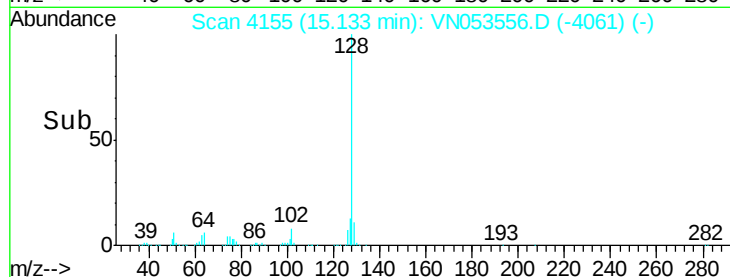
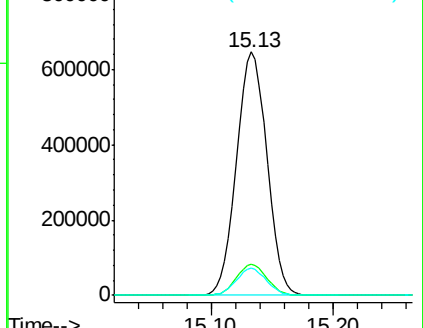
1/29/2019 9:52:57 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 91.970 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053556.D

Acq: 28 Jan 2019 19:57

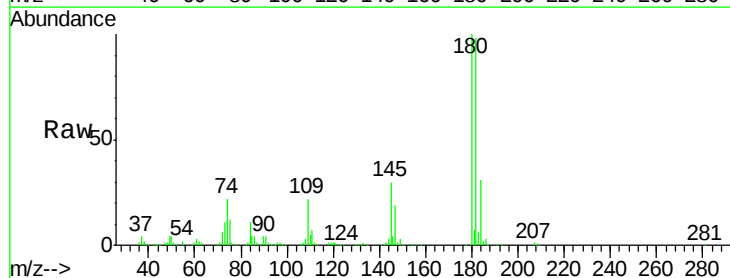
Tgt Ion:180 Resp: 453205

Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.8

145 29.7 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

