

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\  
 Data File : VN049661.D  
 Acq On : 2 Jul 2018 11:12  
 Operator : MD\SY  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

sam  
 7/3/2018 3:51:21 PM

Quant Time: Jul 03 03:54:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062918W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 30 00:55:30 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 1358582  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2004022  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1799155  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 1022754  | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 864200   | 48.17 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.34%  |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 750651   | 50.10 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.20% |      |
| 50) Toluene-d8              | 10.09  | 98  | 2943129  | 50.19 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.38% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 1038888  | 51.89 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.78% |      |

| Target Compounds              |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 745954  | 48.72  | ug/l | 96     |
| 3) Chloromethane              | 2.06 | 50  | 934405  | 48.86  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.18 | 62  | 1030934 | 50.20  | ug/l | 100    |
| 5) Bromomethane               | 2.56 | 94  | 516047  | 47.83  | ug/l | 98     |
| 6) Chloroethane               | 2.70 | 64  | 641872  | 49.38  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 1207842 | 51.49  | ug/l | 98     |
| 8) Diethyl Ether              | 3.40 | 74  | 480237  | 50.50  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 850516  | 50.39  | ug/l | 99     |
| 10) Methyl Iodide             | 3.95 | 142 | 1180317 | 55.88  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.79 | 59  | 281639  | 273.56 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 788864  | 49.44  | ug/l | 100    |
| 13) Acrolein                  | 3.61 | 56  | 253060  | 263.15 | ug/l | 100    |
| 14) Allyl chloride            | 4.32 | 41  | 1154207 | 52.66  | ug/l | 100    |
| 15) Acrylonitrile             | 4.99 | 53  | 1376680 | 258.90 | ug/l | 98     |
| 16) Acetone                   | 3.82 | 43  | 970719  | 270.05 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.05 | 76  | 2354935 | 53.65  | ug/l | 99     |
| 18) Methyl Acetate            | 4.32 | 43  | 759186  | 47.48  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 2159612 | 52.50  | ug/l | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 895588  | 48.48  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 835913  | 50.90  | ug/l | 99     |
| 22) Diisopropyl ether         | 5.95 | 45  | 2601170 | 52.45  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.90 | 43  | 8681030 | 269.95 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 1559118 | 49.91  | ug/l | 100    |
| 25) 2-Butanone                | 6.84 | 43  | 1710388 | 287.16 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 1340527 | 51.66  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 948527  | 51.71  | ug/l | 99     |
| 28) Bromochloromethane        | 7.19 | 49  | 658212  | 49.64  | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.21 | 42  | 1034409 | 272.48 | ug/l | 99     |
| 30) Chloroform                | 7.37 | 83  | 1573208 | 49.40  | ug/l | 98     |
| 31) Cyclohexane               | 7.65 | 56  | 1449702 | 54.20  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 1366176 | 50.67  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 1239880 | 54.99  | ug/l | 100    |
| 37) Ethyl Acetate             | 6.93 | 43  | 722698  | 54.96  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 1173410 | 53.50  | ug/l | 99     |

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Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

sam  
 7/3/2018 3:51:21 PM

Quant Time: Jul 03 03:54:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062918W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 30 00:55:30 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 1384738  | 56.02   | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 3604685  | 52.36   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 388975   | 52.47   | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 1121400  | 51.04   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 1331295  | 51.00   | ug/l   | 97       |
| 44) Trichloroethene            | 8.83  | 130  | 1032352  | 49.72   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 939399   | 52.81   | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 559672   | 52.01   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 1200210  | 52.40   | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 654646   | 56.02   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 171519   | 1091.74 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 3588039  | 278.28  | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 2243184  | 53.93   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 1195653  | 54.51   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 1412362  | 55.09   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 795013   | 51.34   | ug/l   | 100      |
| 56) Ethyl methacrylate         | 10.43 | 69   | 1043022  | 57.46   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 1342877  | 53.48   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 2680642  | 281.90  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 2713835  | 318.31  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 905823   | 54.12   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 788200   | 53.12   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 1218701  | 50.03   | ug/l   | 98       |
| 65) Chlorobenzene              | 11.44 | 112  | 2434609  | 51.87   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 898527   | 53.28   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 4248133  | 54.76   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 3344417  | 112.48  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 1587193  | 55.76   | ug/l   | 99       |
| 70) Styrene                    | 11.97 | 104  | 2628001  | 57.06   | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 626758   | 55.93   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 4249013  | 52.16   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 1162330  | 52.23   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 901081   | 53.35   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 817721m  | 49.85   | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 1077146  | 48.62   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 5023826  | 53.81   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 2925051  | 49.50   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 3650363  | 53.92   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 258294   | 53.48   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 3036495  | 51.11   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 3006888  | 51.70   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 3680255  | 52.91   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 4139998  | 53.73   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 3714274  | 55.65   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1975269  | 52.68   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 1947666  | 52.88   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 3154494  | 55.21   | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 451181   | 64.36   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1914469  | 53.21   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 153147   | 54.01   | ug/l   | 97       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

sam  
7/3/2018 3:51:21 PM

Quant Time: Jul 03 03:54:56 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062918W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 30 00:55:30 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 965251   | 51.16 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 635920   | 58.94 | ug/l  | 99       |
| 95) Naphthalene            | 15.14 | 128  | 2006636  | 48.45 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 924989   | 51.64 | ug/l  | 99       |

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

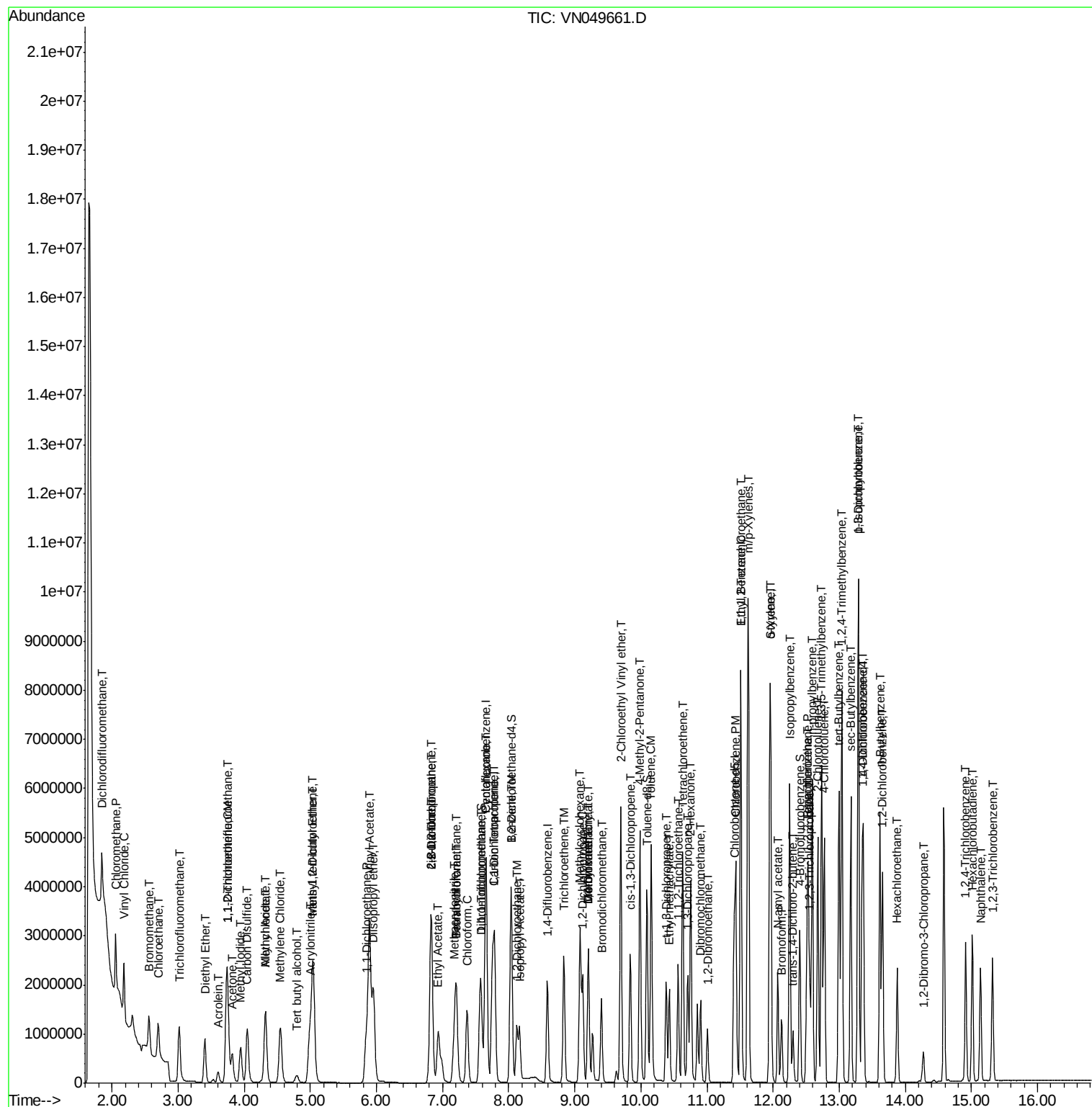
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Data File : VN049661.D  
Acq On : 2 Jul 2018 11:12  
Operator : MD\SY  
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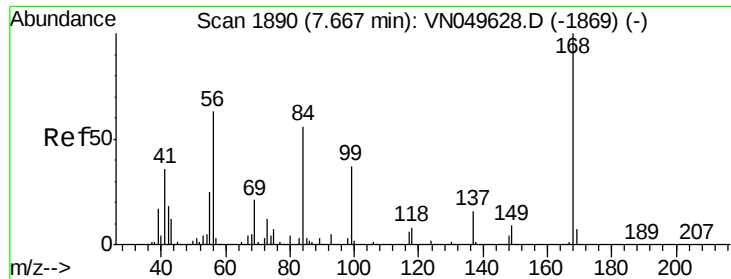
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

sam  
7/3/2018 3:51:21 PM

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Quant Title : SW846 8260  
QLast Update : Sat Jun 30 00:55:30 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 1358582

Ion Ratio Lower Upper

168 100

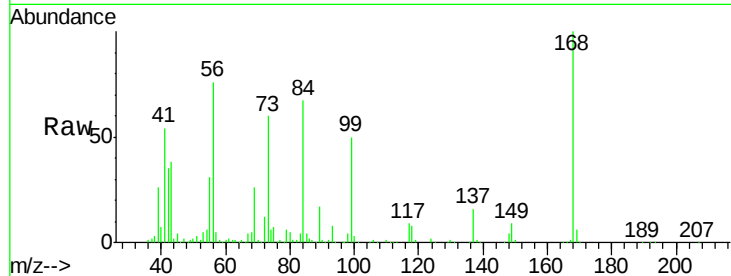
99 49.8 40.6 61.0

Manual Integrations

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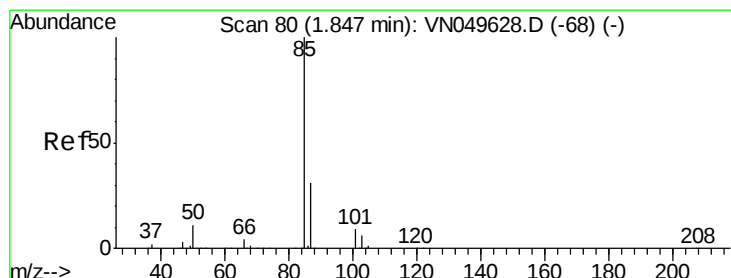
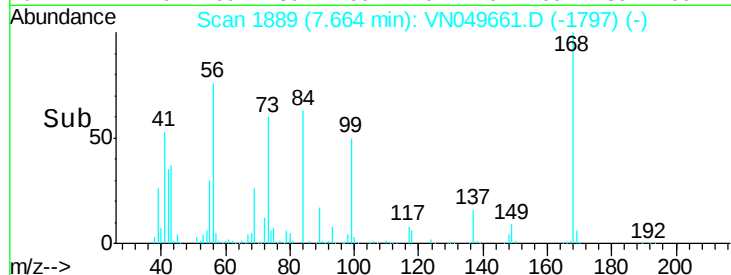
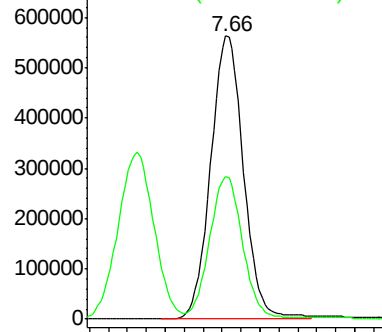
sam

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 48.72 ug/l

RT: 1.85 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN049661.D

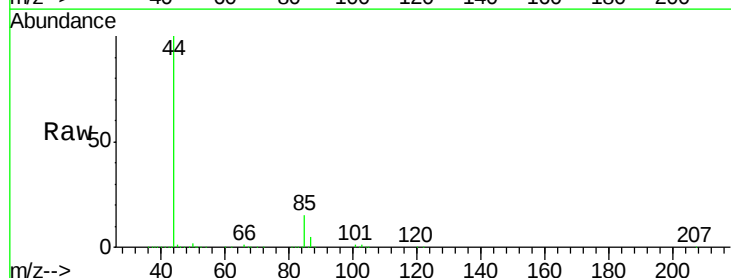
Acq: 2 Jul 2018 11:12

Tgt Ion: 85 Resp: 745954

Ion Ratio Lower Upper

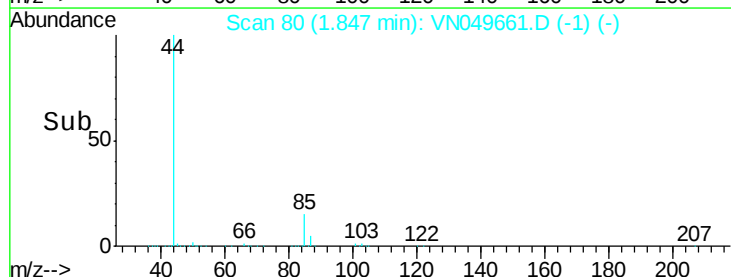
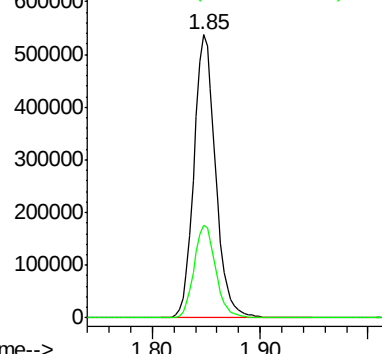
85 100

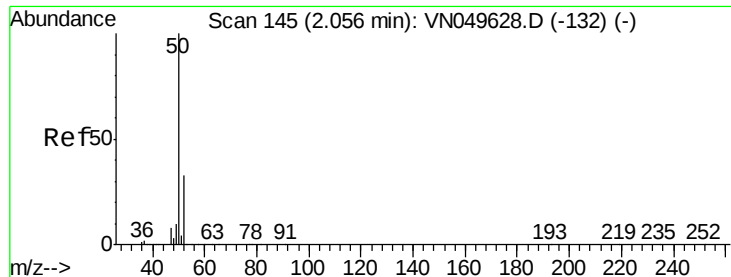
87 32.7 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 48.86 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 934405

Ion Ratio Lower Upper

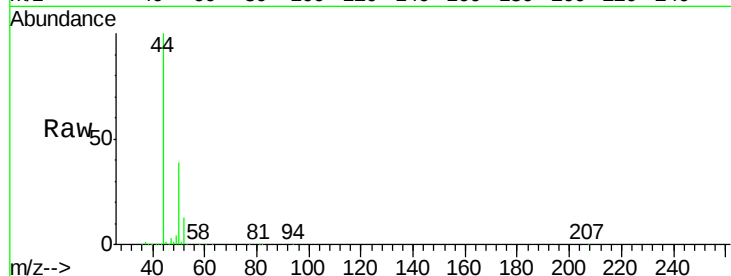
50 100

52 33.0 26.1 39.1

Manual Integrations  
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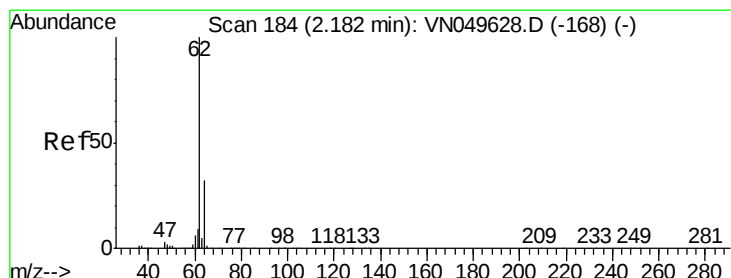
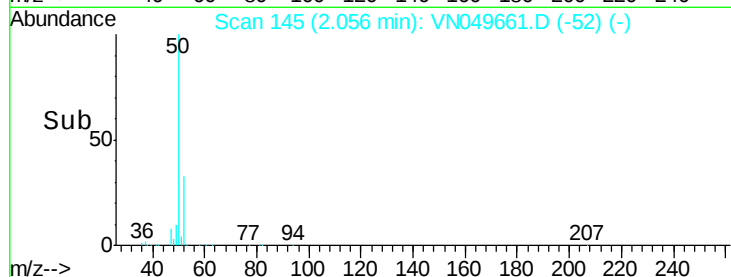
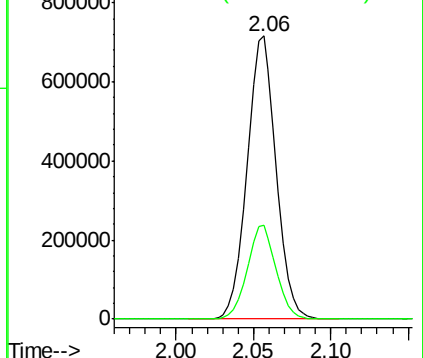
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Abundance Ion 49.90 (49.60 to 50.60): VN049628.D (-132) (-)

Ion 51.90 (51.60 to 52.60): VN049661.D (-52) (-)



#4

Vinyl Chloride

Concen: 50.20 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049661.D

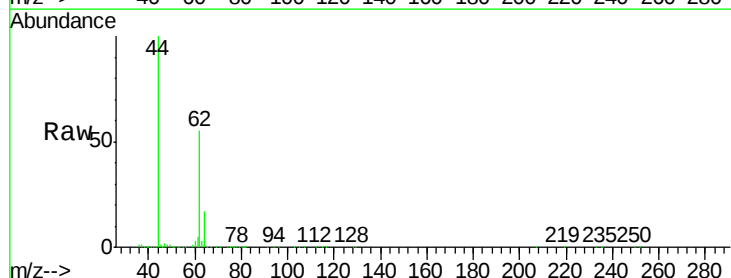
Acq: 2 Jul 2018 11:12

Tgt Ion: 62 Resp: 1030934

Ion Ratio Lower Upper

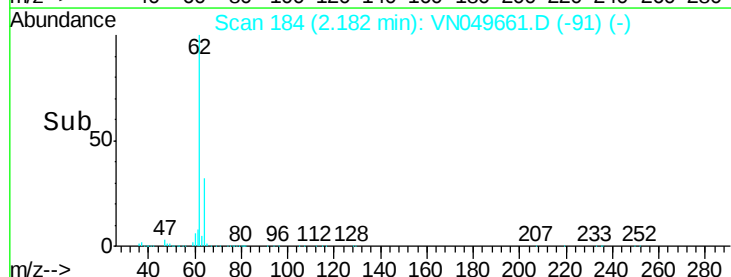
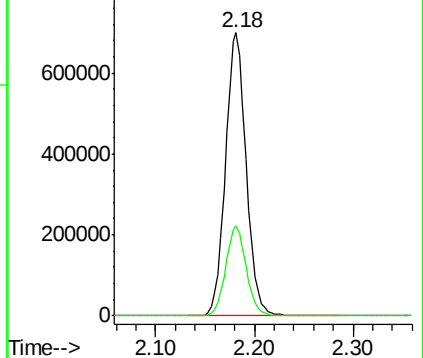
62 100

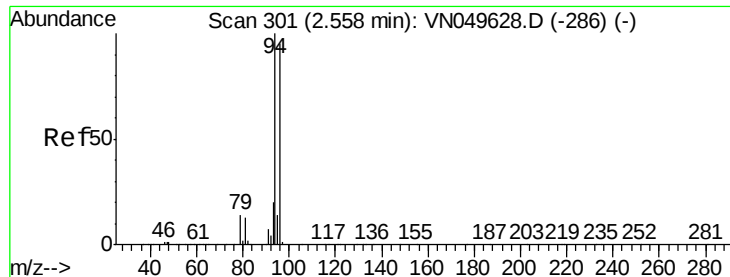
64 31.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN049628.D (-168) (-)

Ion 63.90 (63.60 to 64.60): VN049661.D (-91) (-)





#5

Bromomethane

Concen: 47.83 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 516047

Ion Ratio Lower Upper

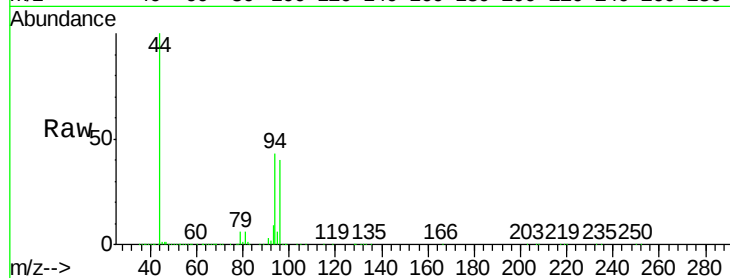
94 100

96 92.3 75.7 113.5

Manual Integrations  
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.56

250000

200000

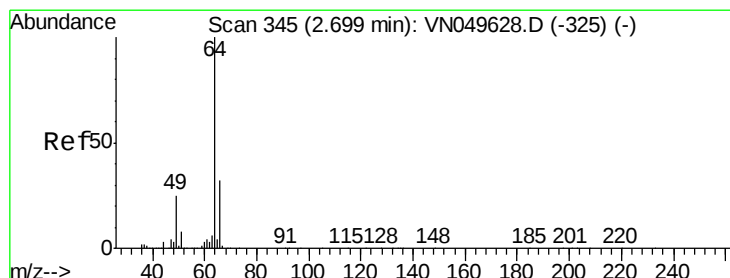
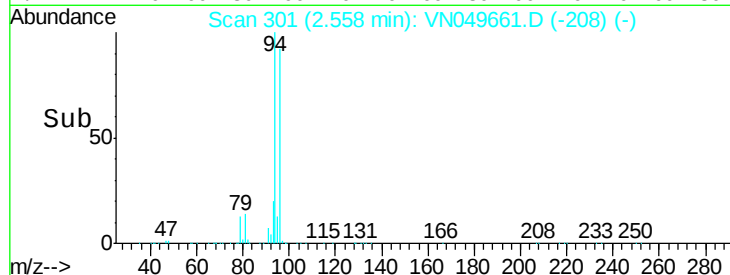
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 49.38 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN049661.D

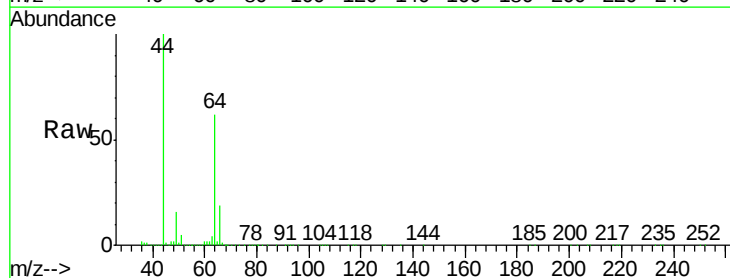
Acq: 2 Jul 2018 11:12

Tgt Ion: 64 Resp: 641872

Ion Ratio Lower Upper

64 100

66 31.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.70

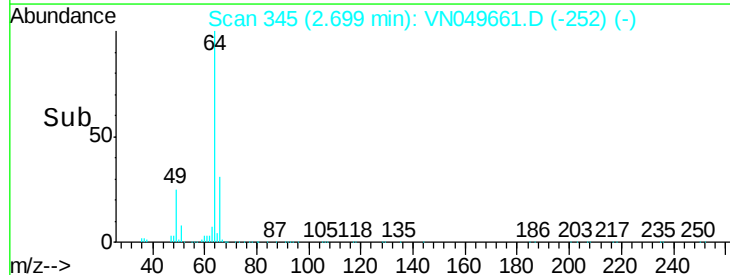
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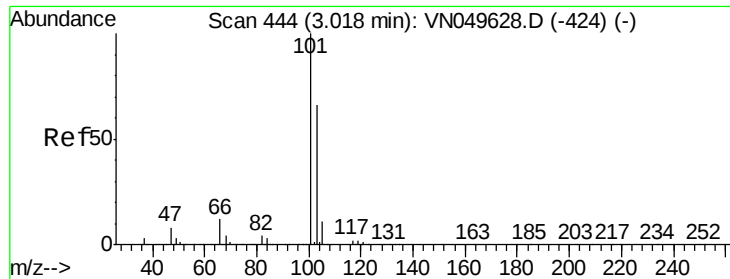
200000

100000

0

Time-->





#7

Trichlorofluoromethane

Concen: 51.49 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 1207842

Ion Ratio Lower Upper

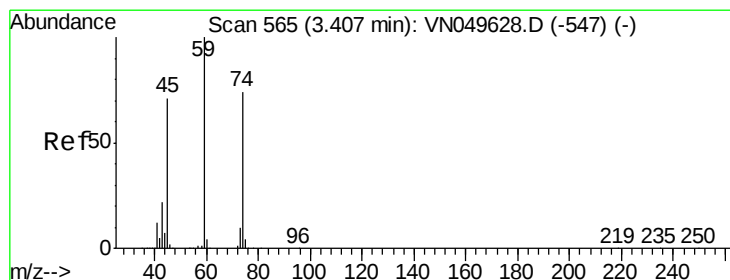
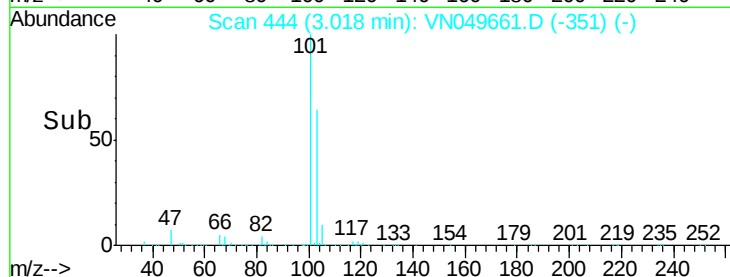
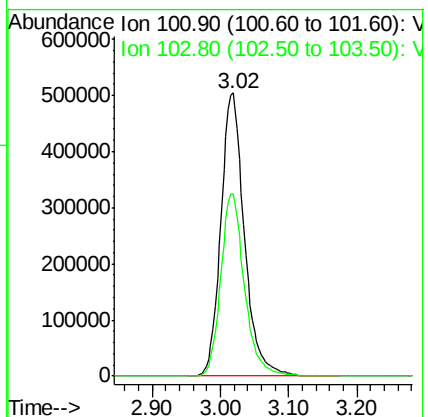
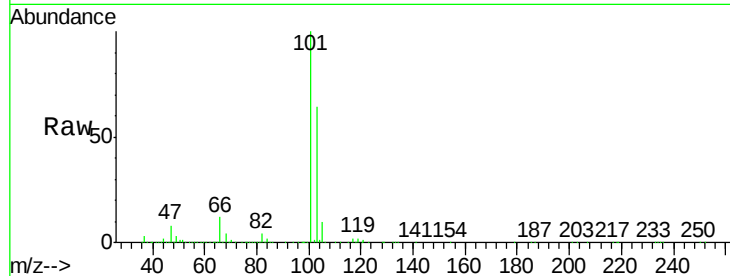
101 100

103 64.3 52.8 79.2

Manual Integrations  
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sam

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#8

Diethyl Ether

Concen: 50.50 ug/l

RT: 3.40 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN049661.D

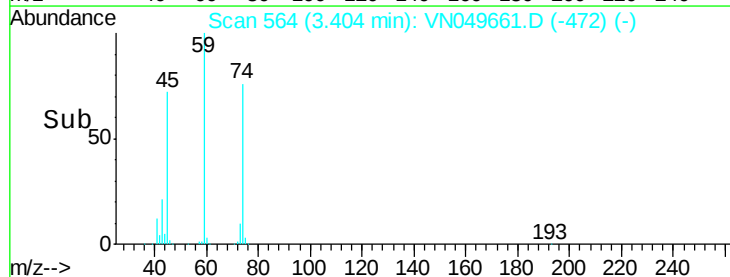
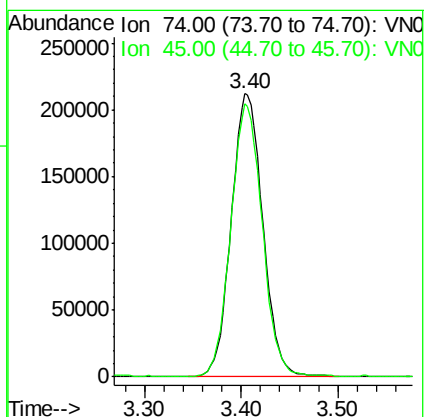
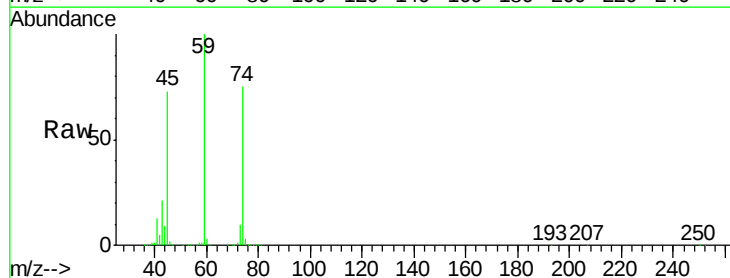
Acq: 2 Jul 2018 11:12

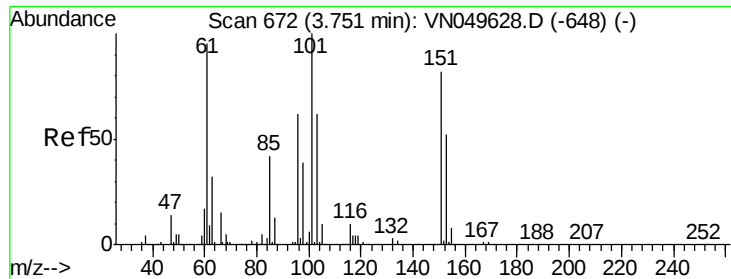
Tgt Ion: 74 Resp: 480237

Ion Ratio Lower Upper

74 100

45 95.9 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.39 ug/l

RT: 3.75 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

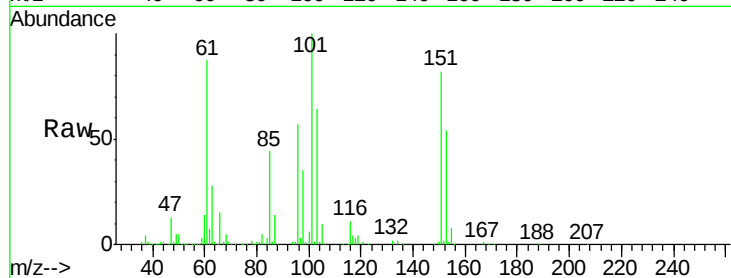
ClientSampleId :

VSTDCCC050

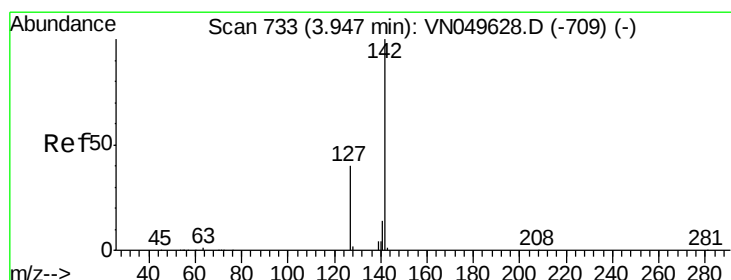
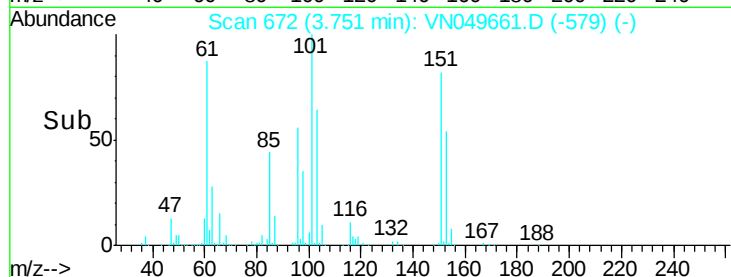
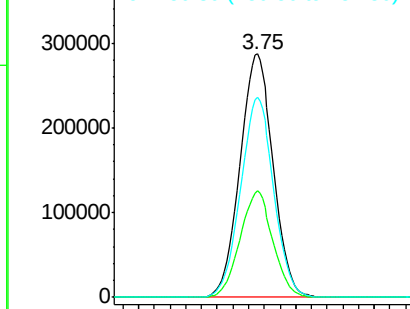
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 850516 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.2  | 34.4  | 51.6   |
| 151       | 82.1  | 66.2  | 99.4   |

Manual Integrations  
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sam  
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Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): V  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.88 ug/l

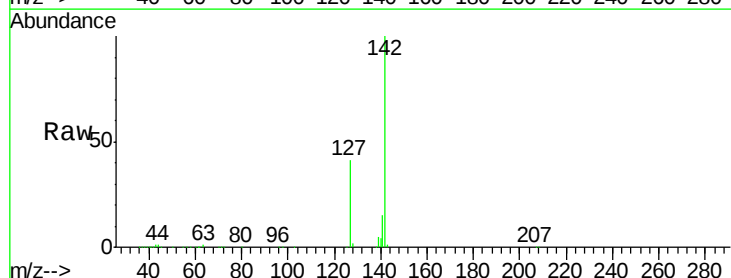
RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

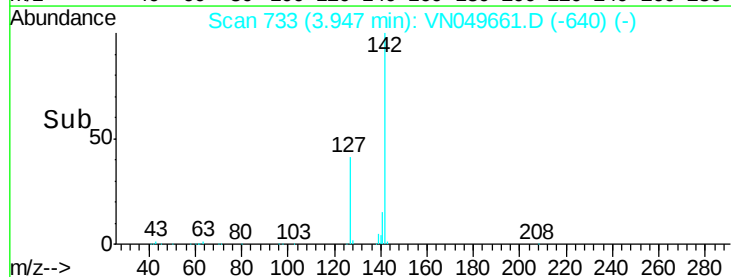
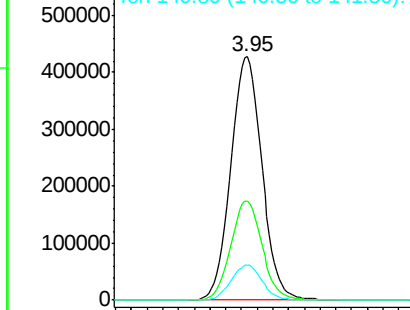
Lab File: VN049661.D

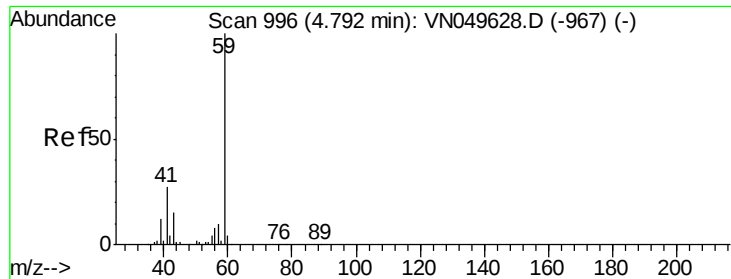
Acq: 2 Jul 2018 11:12

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 142   | Resp: | 1180317 |
| Ion Ratio | Lower | Upper |         |
| 142       | 100   |       |         |
| 127       | 41.1  | 32.5  | 48.7    |
| 141       | 14.3  | 11.1  | 16.7    |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

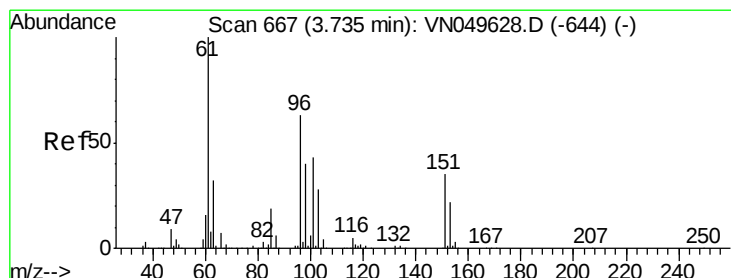
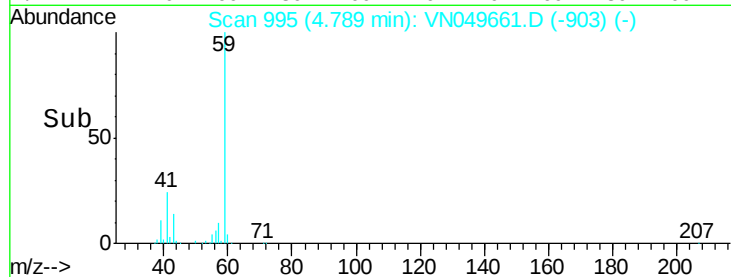
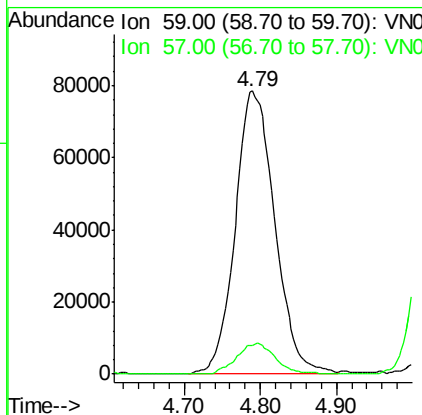
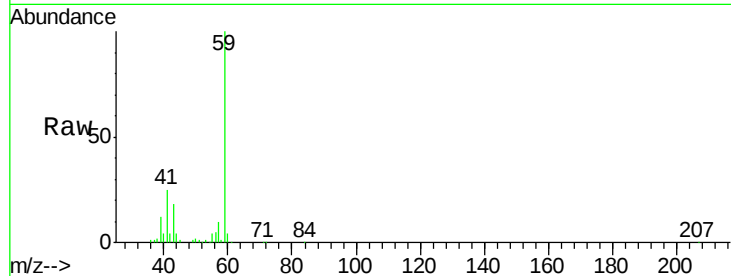
Tert butyl alcohol  
Concen: 273.56 ug/l  
RT: 4.79 min Scan# 995  
Delta R.T. -0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion   | 59   | Resp  | 281639 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 10.6 | 8.5   | 12.7   |

Manual Integrations  
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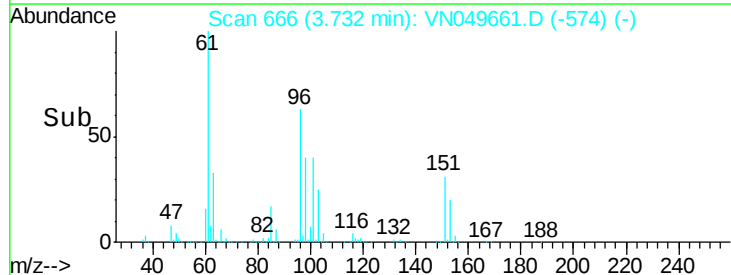
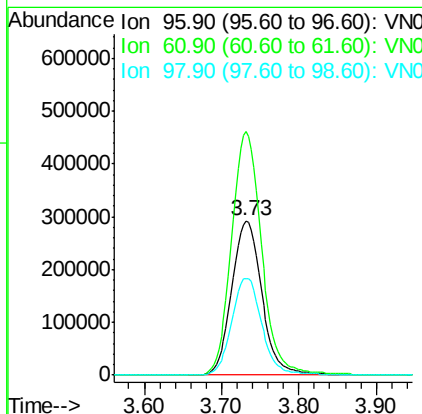
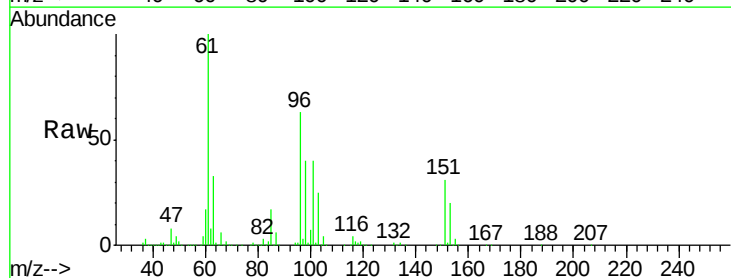
sam  
7/3/2018 3:51:21 PM

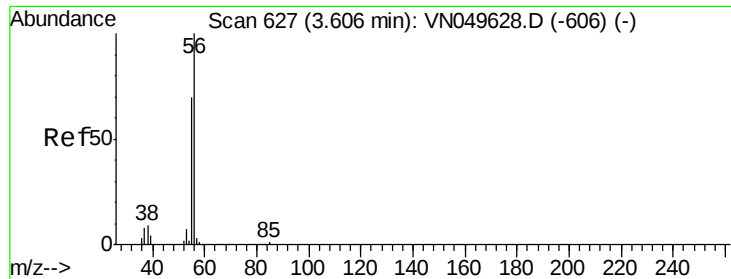


#12

1,1-Dichloroethene  
Concen: 49.44 ug/l  
RT: 3.73 min Scan# 666  
Delta R.T. -0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

| Tgt Ion   | 96    | Resp  | 788864 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 157.9 | 126.5 | 189.7  |
| 98        | 62.9  | 51.0  | 76.6   |





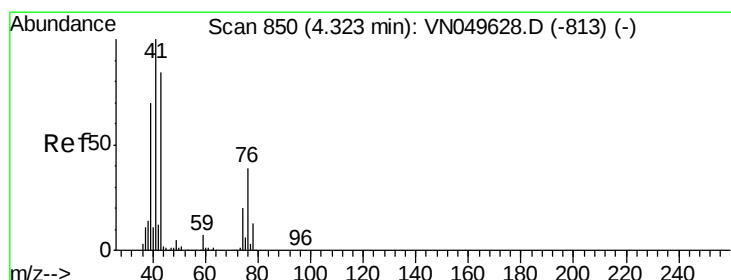
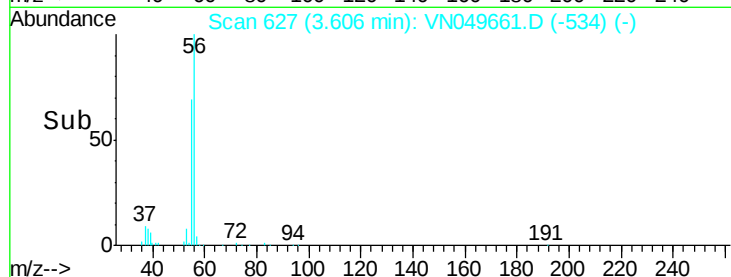
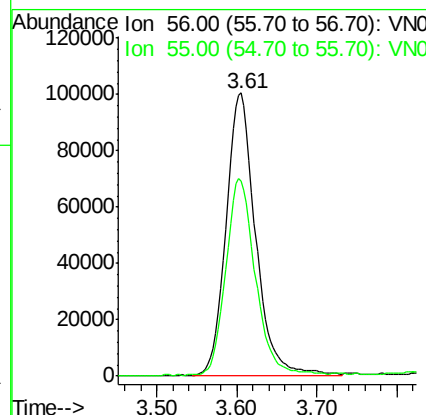
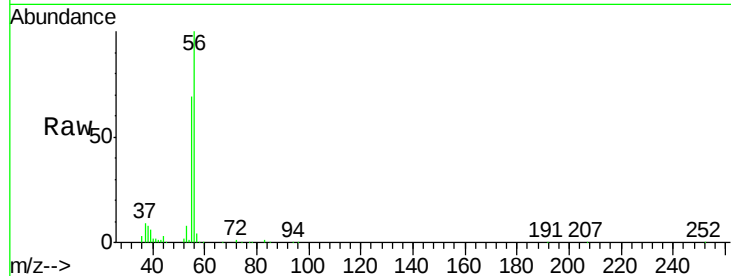
#13  
Acrolein  
Concen: 263.15 ug/l  
RT: 3.61 min Scan# 627  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 69.9  | 55.8  | 83.8  |

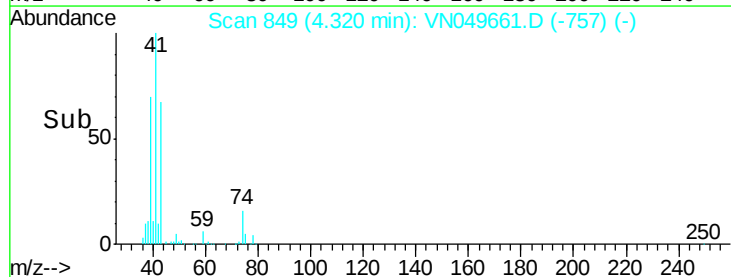
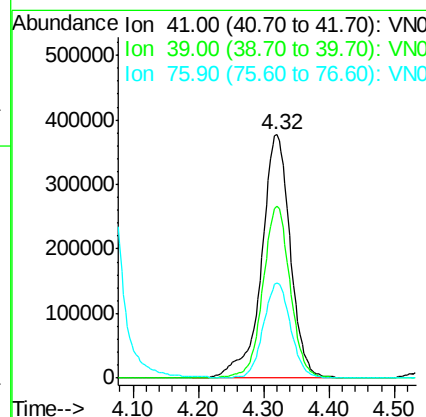
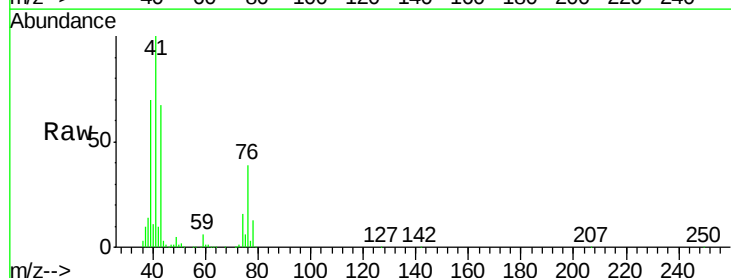
Manual Integrations  
APPROVED

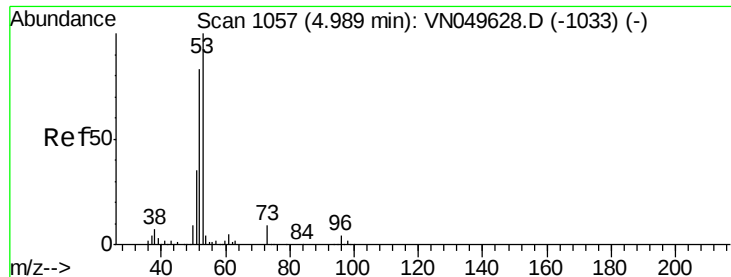
sam  
7/3/2018 3:51:21 PM



#14  
Allyl chloride  
Concen: 52.66 ug/l  
RT: 4.32 min Scan# 849  
Delta R.T. -0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 66.9  | 53.2  | 79.8  |
| 76      | 36.5  | 29.0  | 43.6  |





#15

Acrylonitrile

Concen: 258.90 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 53 Resp: 1376680

Ion Ratio Lower Upper

53 100

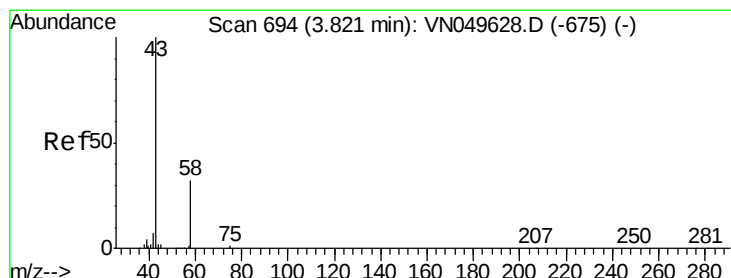
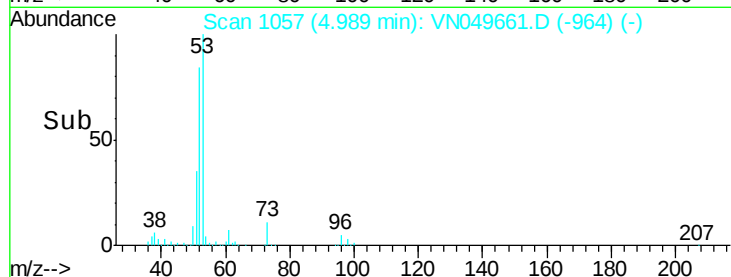
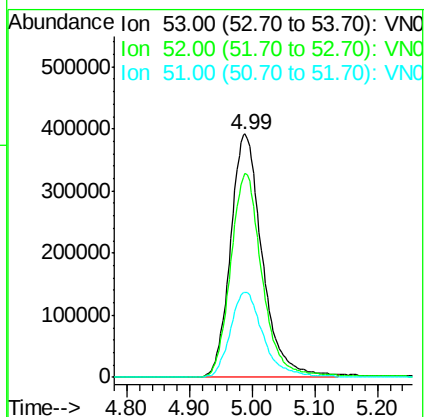
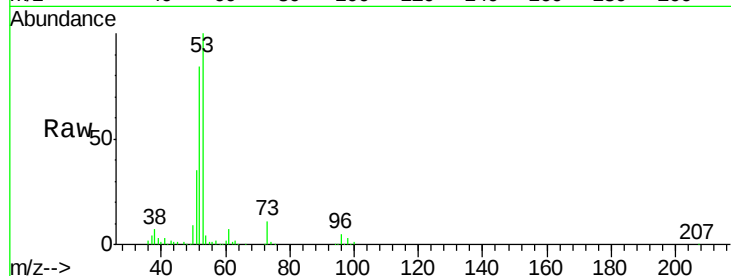
52 83.4 64.8 97.2

51 36.3 28.9 43.3

Manual Integrations  
APPROVED

sam

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#16

Acetone

Concen: 270.05 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN049661.D

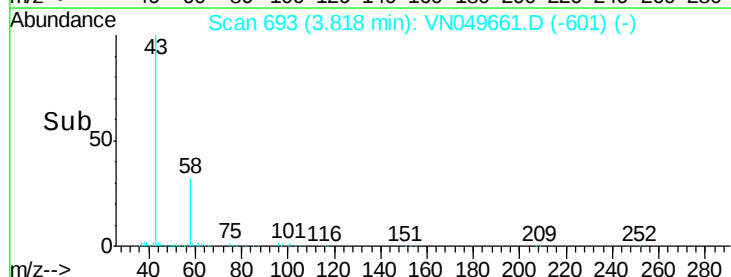
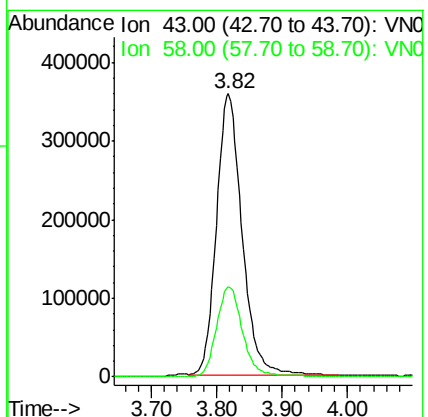
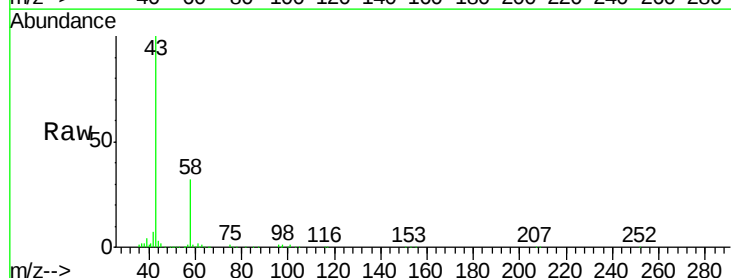
Acq: 2 Jul 2018 11:12

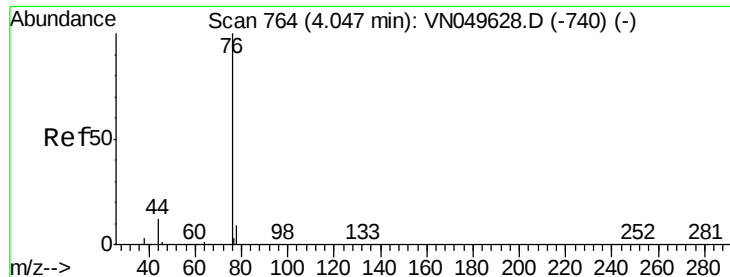
Tgt Ion: 43 Resp: 970719

Ion Ratio Lower Upper

43 100

58 31.7 25.9 38.9





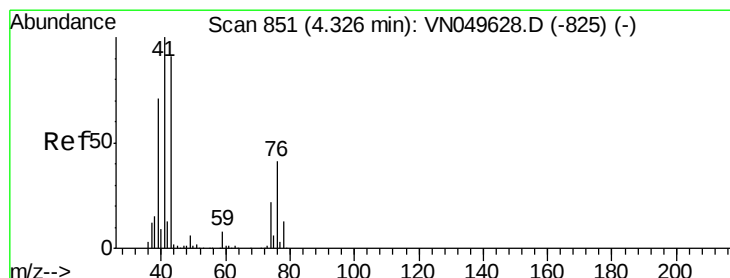
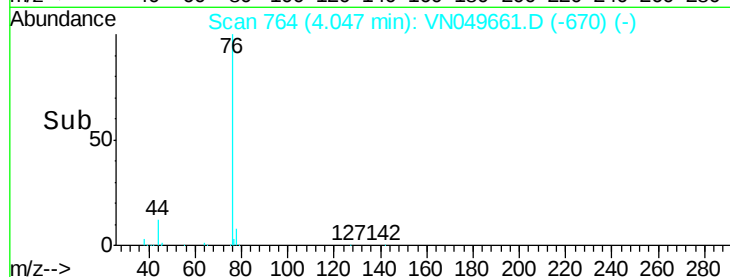
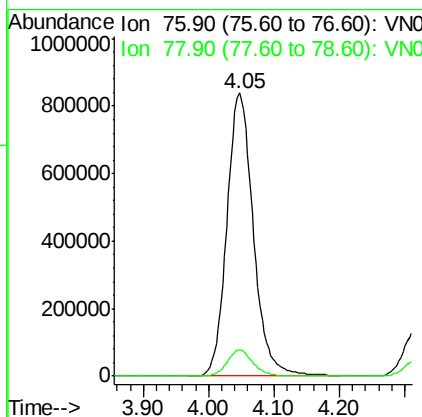
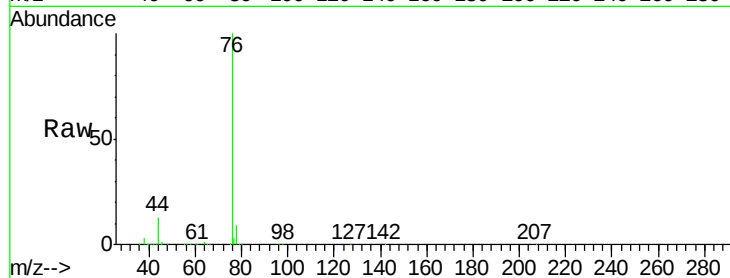
#17  
Carbon Disulfide  
Concen: 53.65 ug/l  
RT: 4.05 min Scan# 764  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 76 Resp: 2354935  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.1 10.7

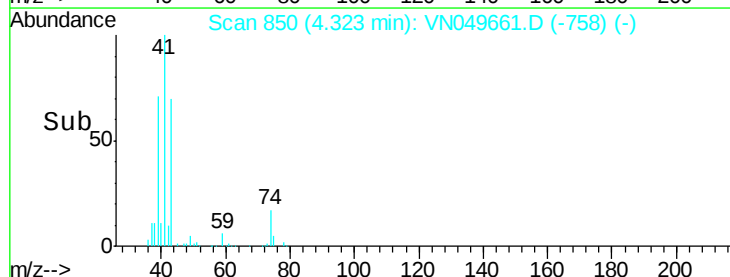
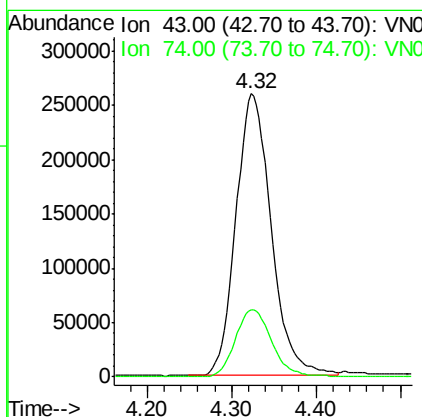
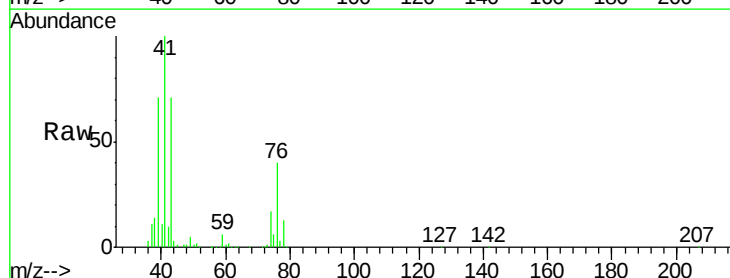
Manual Integrations  
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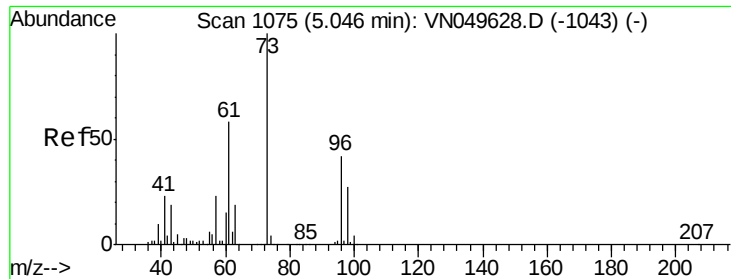
sam  
7/3/2018 3:51:21 PM



#18  
Methyl Acetate  
Concen: 47.48 ug/l  
RT: 4.32 min Scan# 850  
Delta R.T. -0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Tgt Ion: 43 Resp: 759186  
Ion Ratio Lower Upper  
43 100  
74 24.4 19.8 29.8





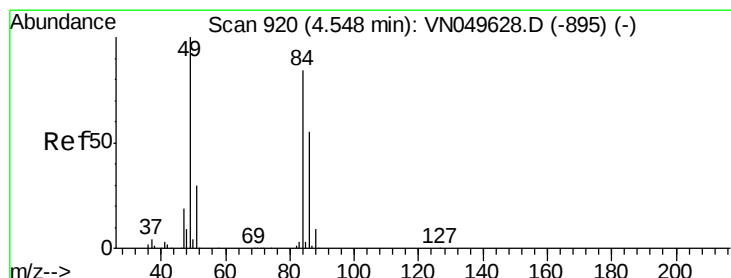
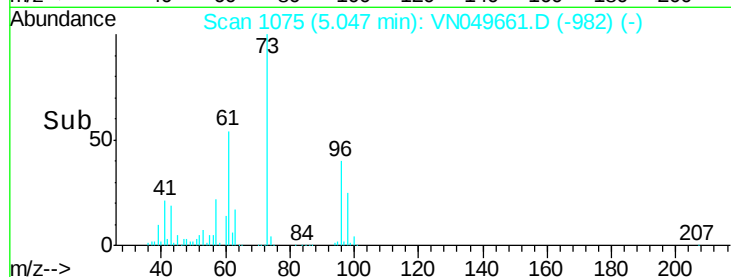
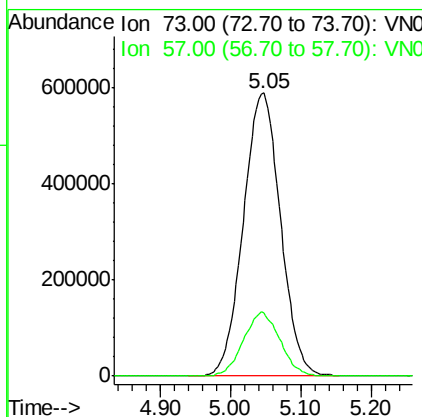
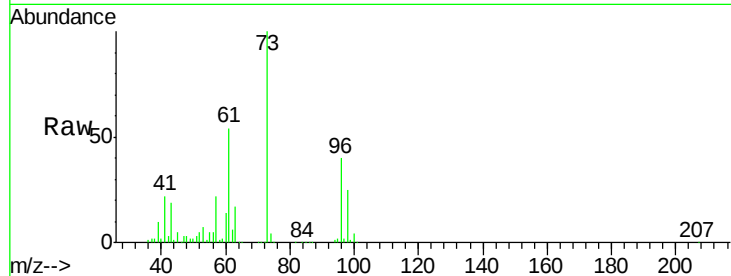
#19  
Methvl tert-butvl Ether  
Concen: 52.50 ug/l  
RT: 5.05 min Scan# 1075  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 2159612  
Ion Ratio Lower Upper  
73 100  
57 22.4 18.1 27.1

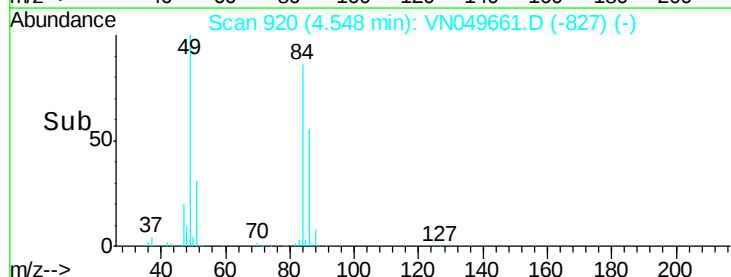
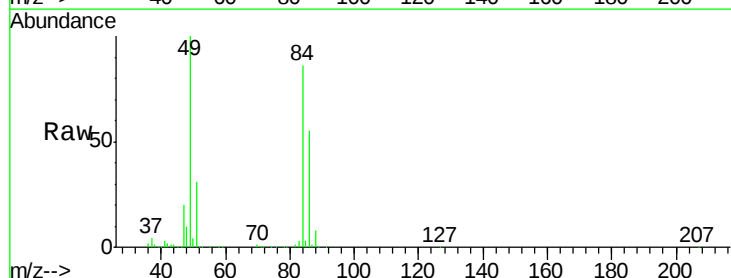
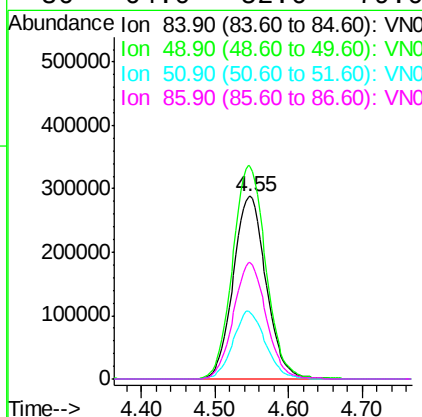
Manual Integrations  
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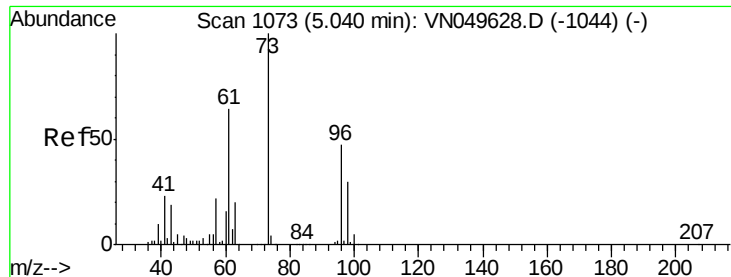
sam  
7/3/2018 3:51:21 PM



#20  
Methylene Chloride  
Concen: 48.48 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Tgt Ion: 84 Resp: 895588  
Ion Ratio Lower Upper  
84 100  
49 116.1 95.4 143.2  
51 36.4 28.4 42.6  
86 64.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 50.90 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 835913

Ion Ratio Lower Upper

96 100

61 135.4 109.0 163.6

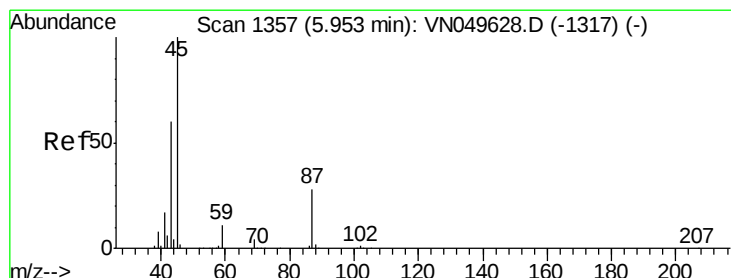
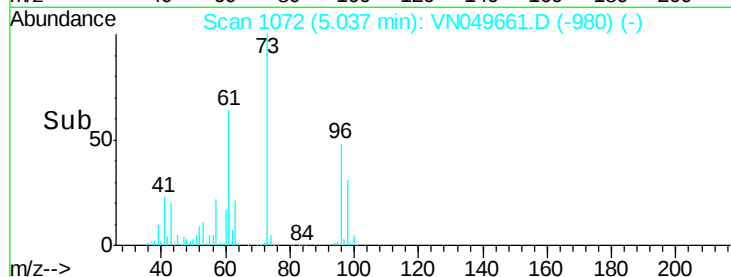
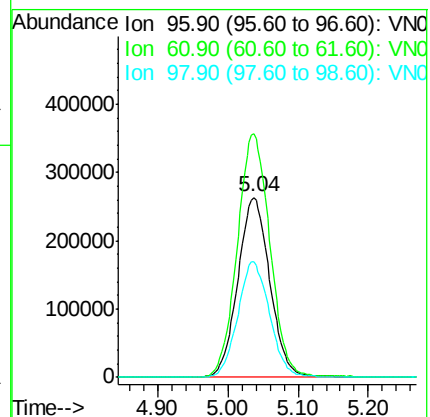
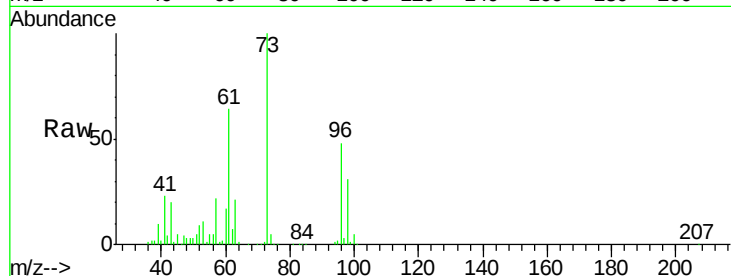
98 64.2 51.1 76.7

Manual Integrations

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sam

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#22

Diisopropyl ether

Concen: 52.45 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Tgt Ion: 45 Resp: 2601170

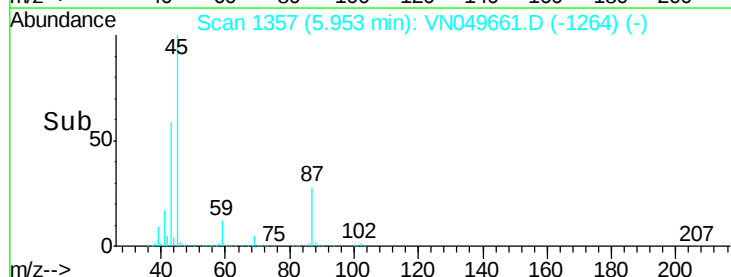
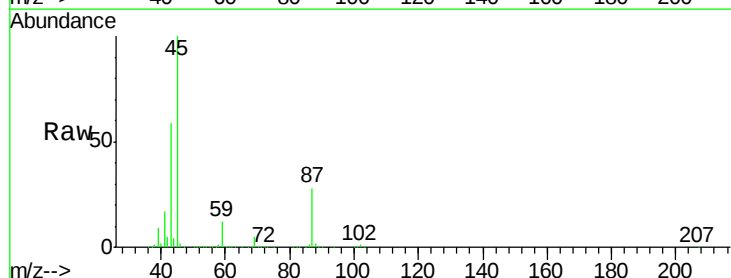
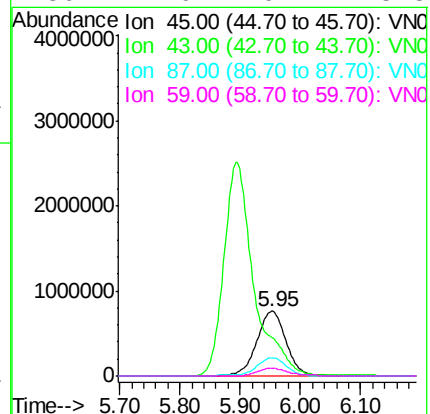
Ion Ratio Lower Upper

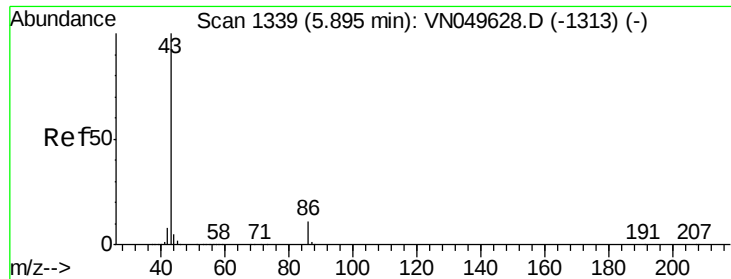
45 100

43 58.8 48.1 72.1

87 28.0 22.6 34.0

59 11.9 9.2 13.8





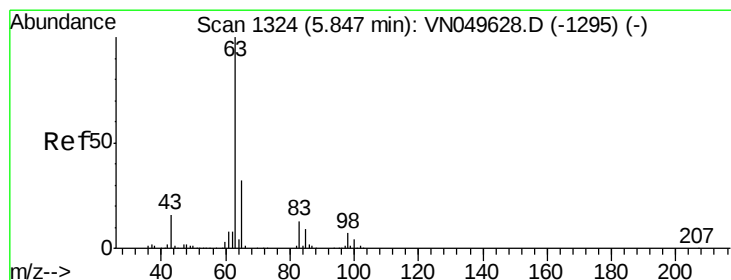
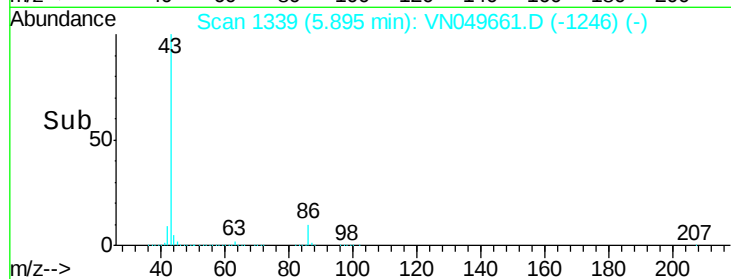
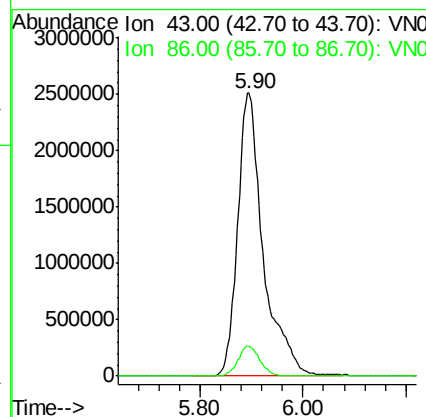
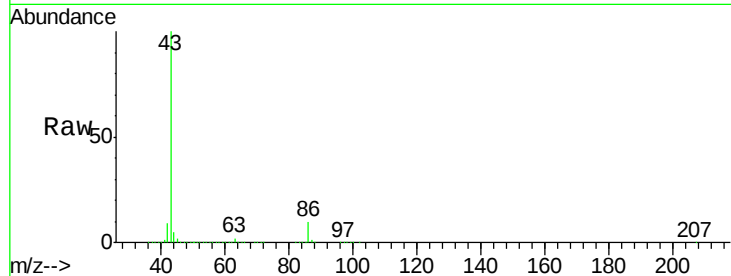
#23  
 Vinyl Acetate  
 Concen: 269.95 ug/l  
 RT: 5.90 min Scan# 1339  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 8681030  
 Ion Ratio Lower Upper  
 43 100  
 86 10.4 8.4 12.6

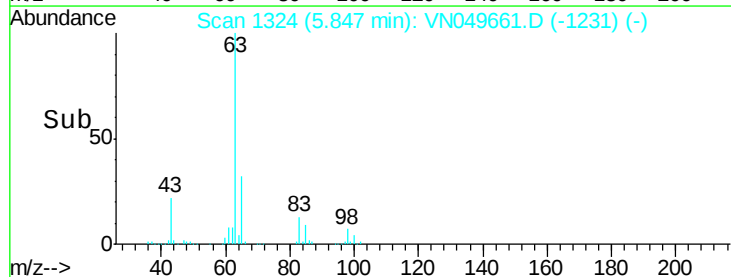
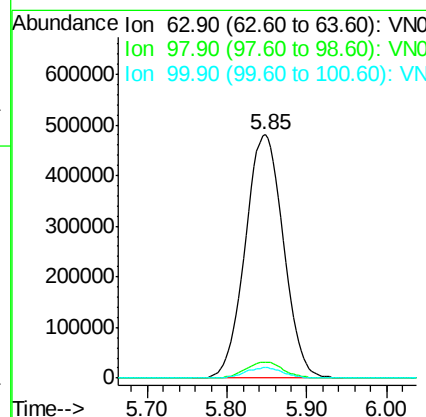
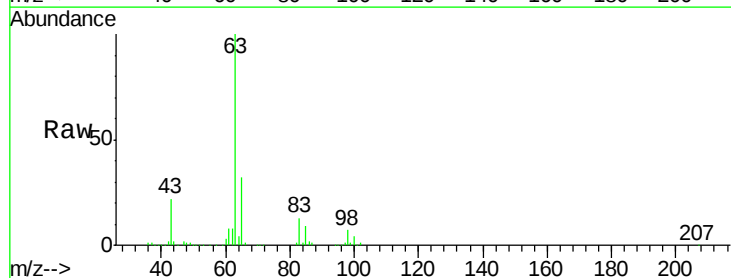
Manual Integrations  
 APPROVED

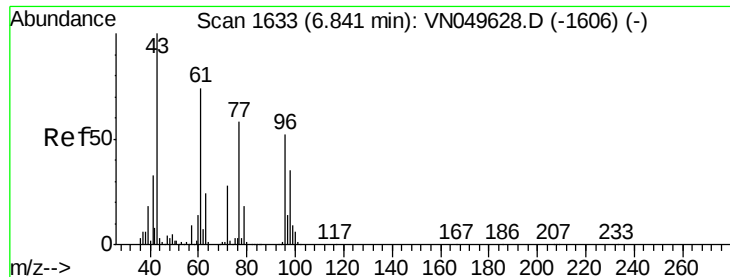
sam  
 7/3/2018 3:51:21 PM



#24  
 1,1-Dichloroethane  
 Concen: 49.91 ug/l  
 RT: 5.85 min Scan# 1324  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

Tgt Ion: 63 Resp: 1559118  
 Ion Ratio Lower Upper  
 63 100  
 98 6.7 3.4 10.2  
 100 4.2 2.2 6.6





#25

2-Butanone

Concen: 287.16 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1710388

Ion Ratio Lower Upper

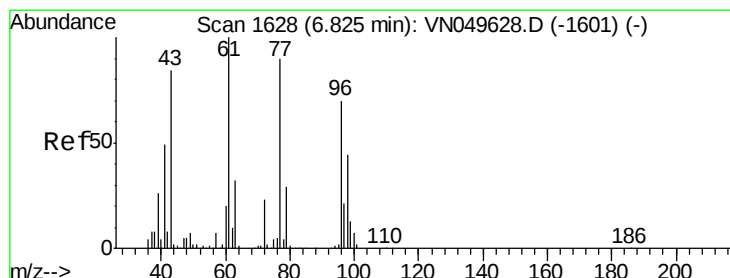
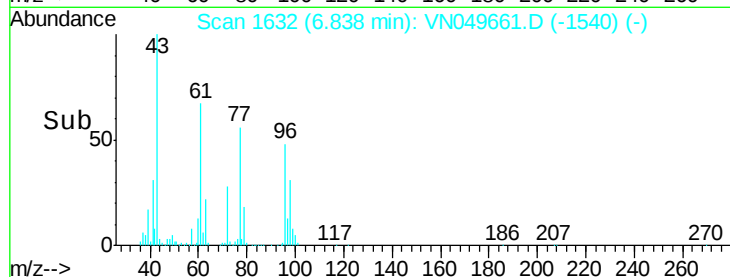
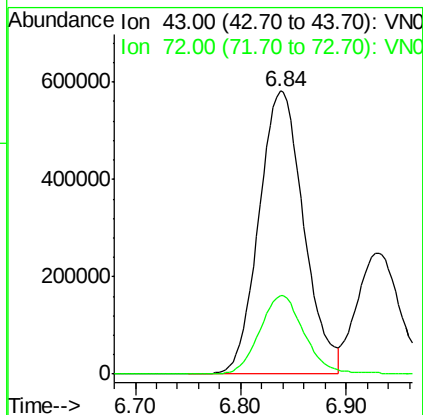
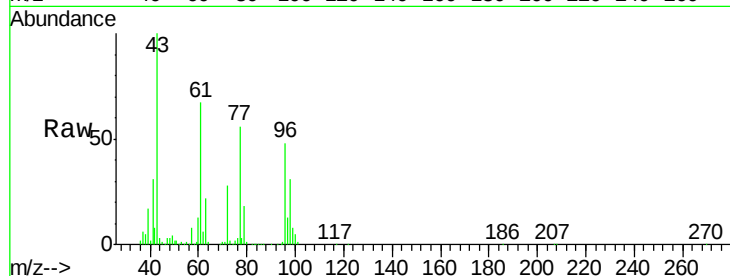
43 100

72 27.8 22.1 33.1

Manual Integrations  
APPROVED

sam

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#26

2,2-Dichloropropane

Concen: 51.66 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VN049661.D

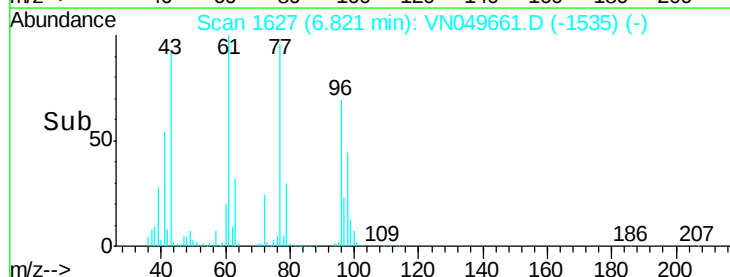
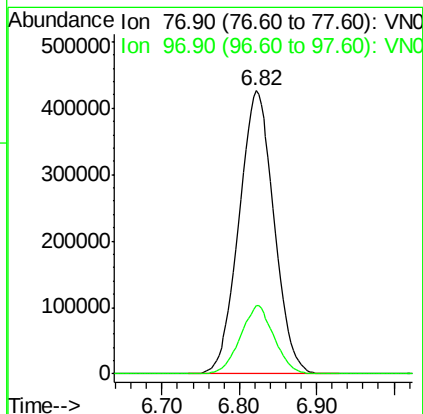
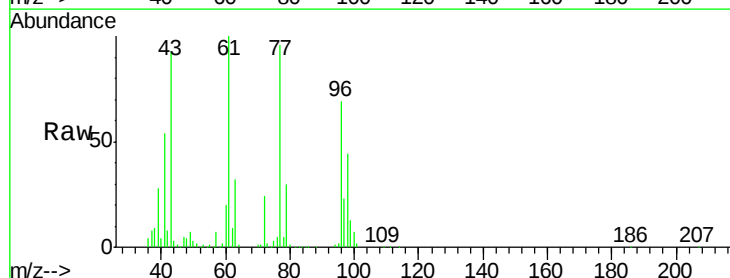
Acq: 2 Jul 2018 11:12

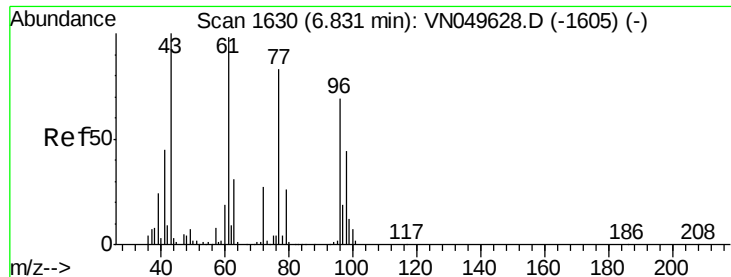
Tgt Ion: 77 Resp: 1340527

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.5





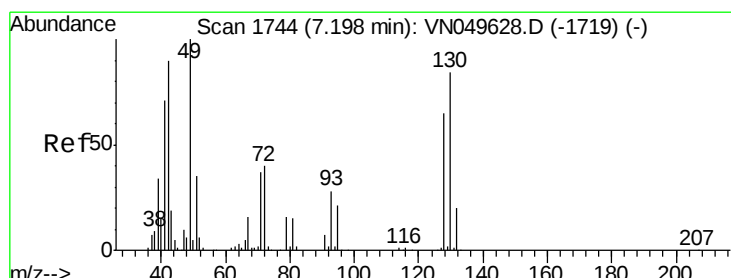
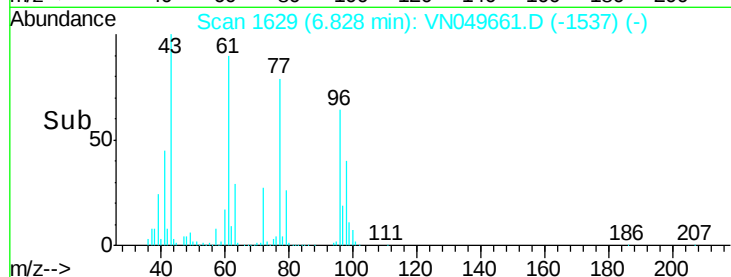
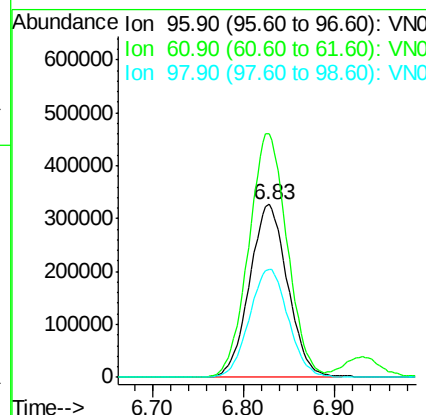
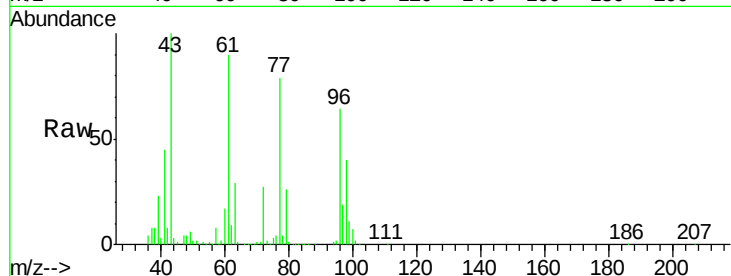
#27  
 cis-1,2-Dichloroethene  
 Concen: 51.71 ug/l  
 RT: 6.83 min Scan# 1629  
 Delta R.T. -0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 142.6 | 0.0   | 289.0 |
| 98      | 64.1  | 0.0   | 130.2 |

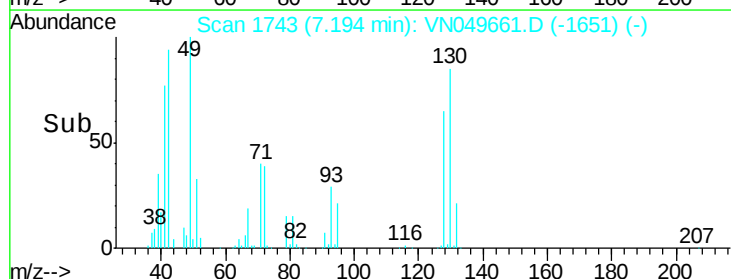
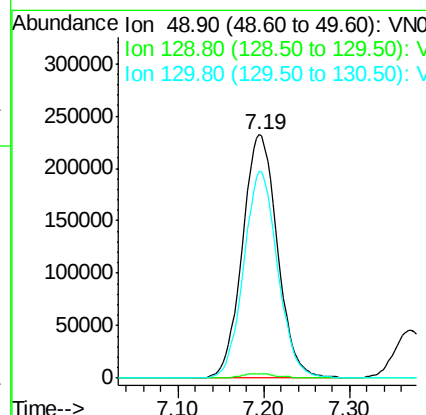
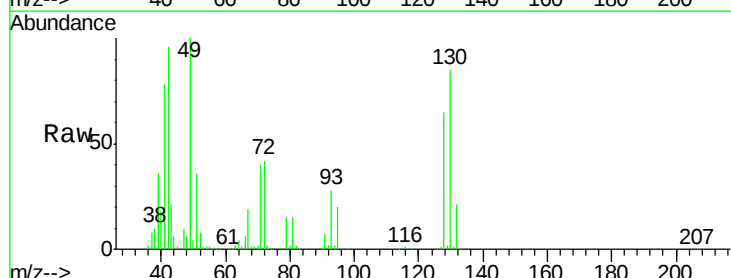
Manual Integrations  
 APPROVED

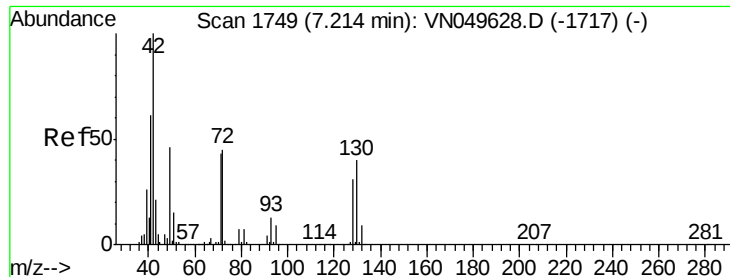
sam  
 7/3/2018 3:51:21 PM



#28  
 Bromochloromethane  
 Concen: 49.64 ug/l  
 RT: 7.19 min Scan# 1743  
 Delta R.T. -0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.9   | 0.0   | 4.2   |
| 130     | 82.3  | 65.5  | 98.3  |





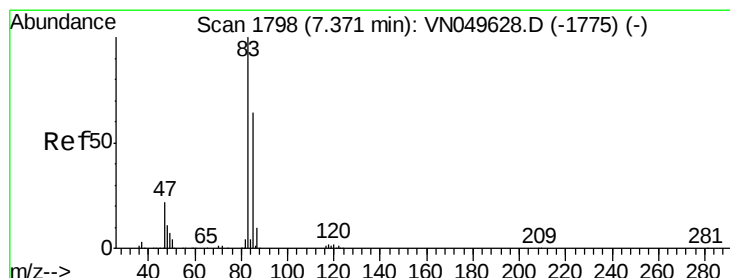
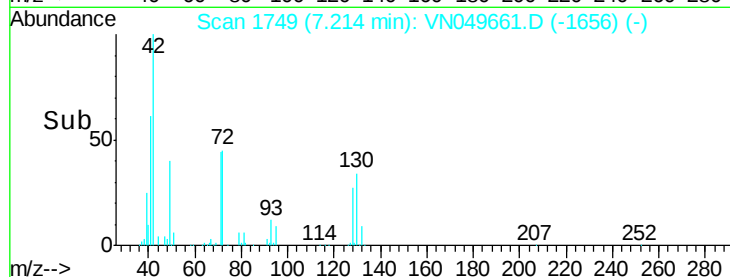
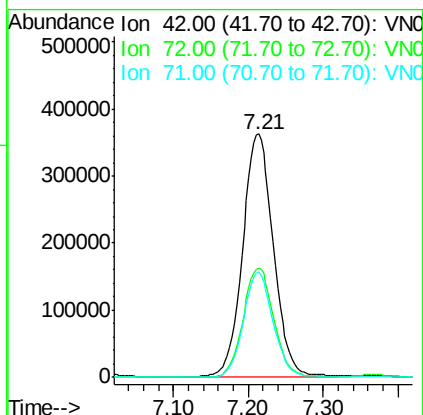
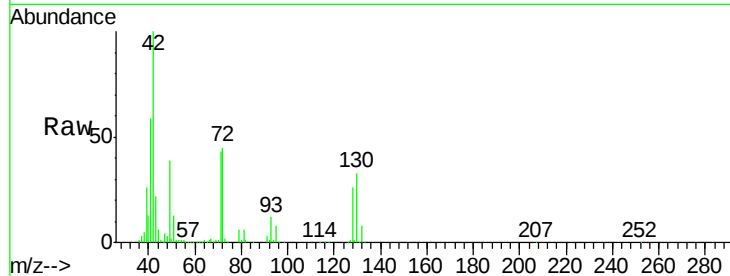
#29  
Tetrahydrofuran  
Concen: 272.48 ug/l  
RT: 7.21 min Scan# 1749  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.7  | 35.6  | 53.4  |
| 71      | 41.7  | 34.0  | 51.0  |

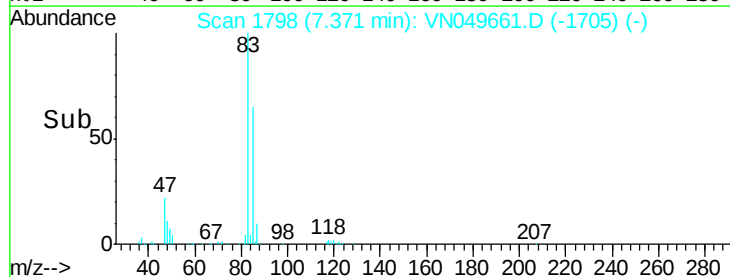
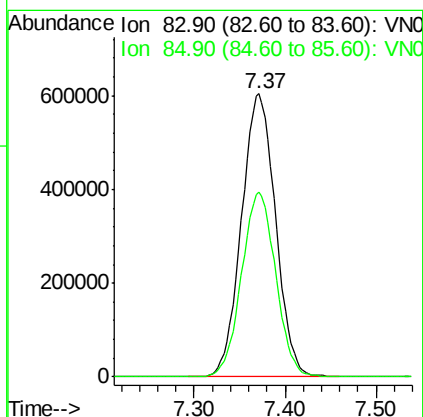
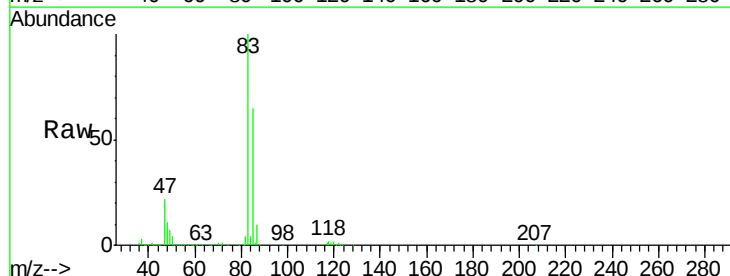
Manual Integrations  
APPROVED

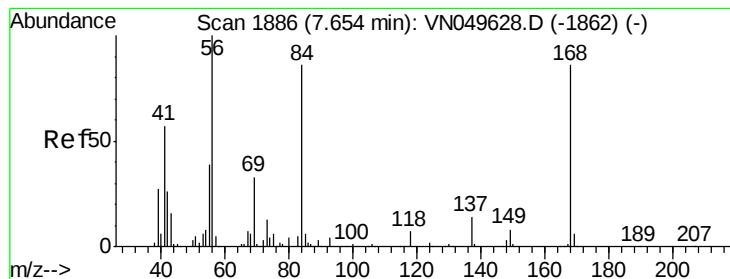
sam  
7/3/2018 3:51:21 PM



#30  
Chloroform  
Concen: 49.40 ug/l  
RT: 7.37 min Scan# 1798  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.5  | 51.4  | 77.2  |





#31

Cvclohexane

Concen: 54.20 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 1449702

Ion Ratio Lower Upper

56 100

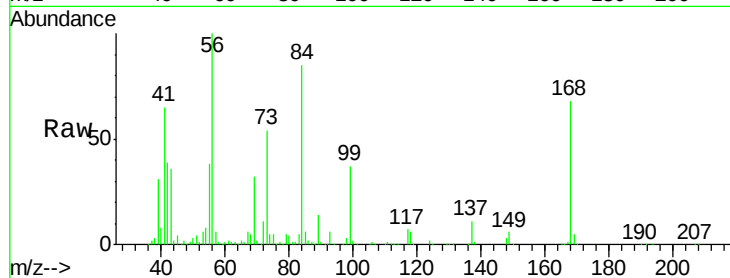
69 31.7 26.6 40.0

84 83.7 69.0 103.6

Manual Integrations  
APPROVED

Sam

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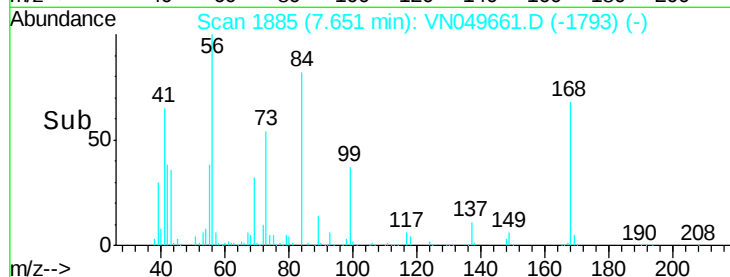


Abundance Ion 56.00 (55.70 to 56.70): VN049661.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049661.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049661.D (-1793) (-)

Time-->

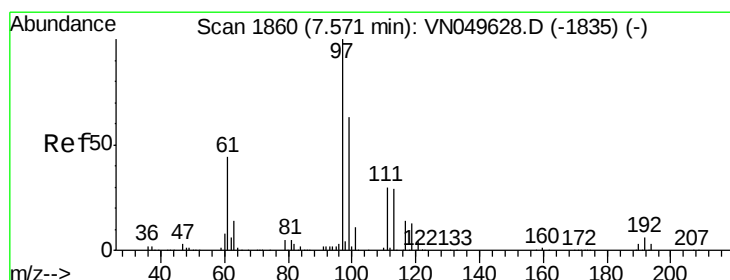


Abundance Ion 56.00 (55.70 to 56.70): VN049661.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049661.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049661.D (-1793) (-)

Time-->



#32

1,1,1-Trichloroethane

Concen: 50.67 ug/l

RT: 7.57 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

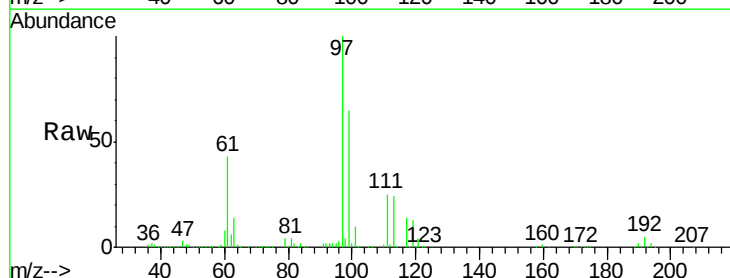
Tgt Ion: 97 Resp: 1366176

Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.4

61 42.9 35.5 53.3

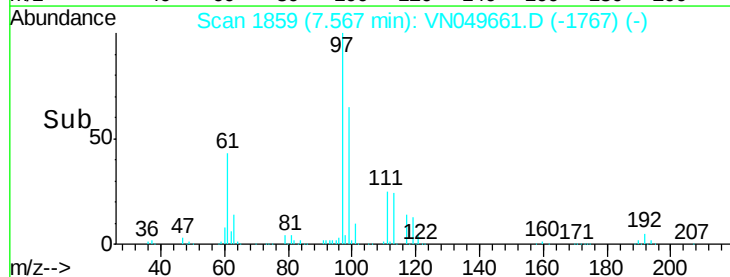


Abundance Ion 96.90 (96.60 to 97.60): VN049661.D (-1767) (-)

Ion 98.90 (98.60 to 99.60): VN049661.D (-1767) (-)

Ion 60.90 (60.60 to 61.60): VN049661.D (-1767) (-)

Time-->

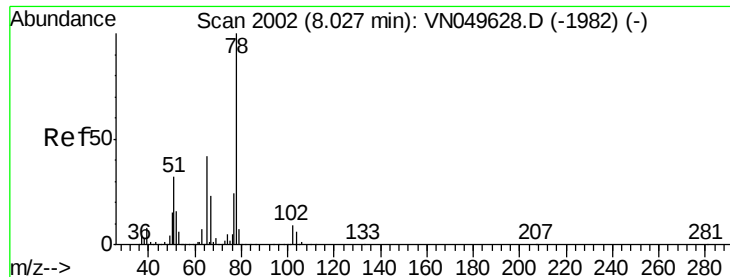


Abundance Ion 96.90 (96.60 to 97.60): VN049661.D (-1767) (-)

Ion 98.90 (98.60 to 99.60): VN049661.D (-1767) (-)

Ion 60.90 (60.60 to 61.60): VN049661.D (-1767) (-)

Time-->



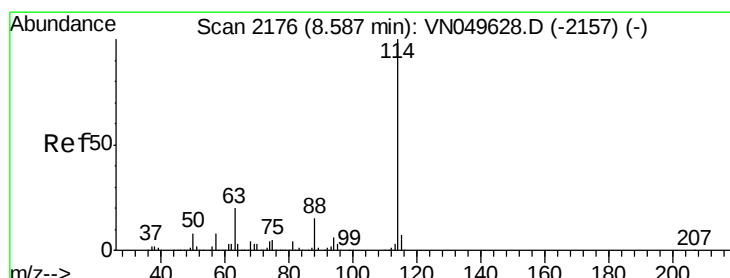
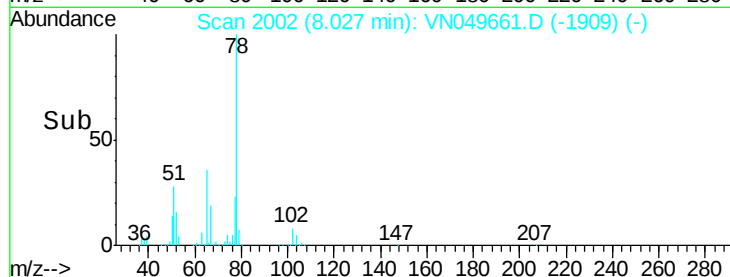
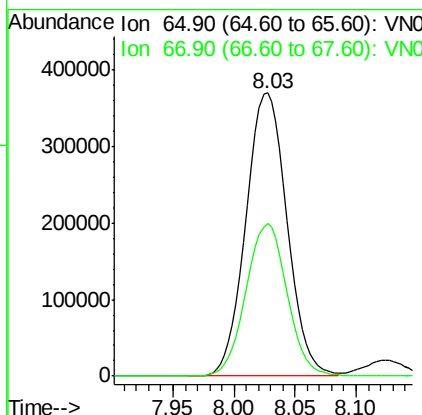
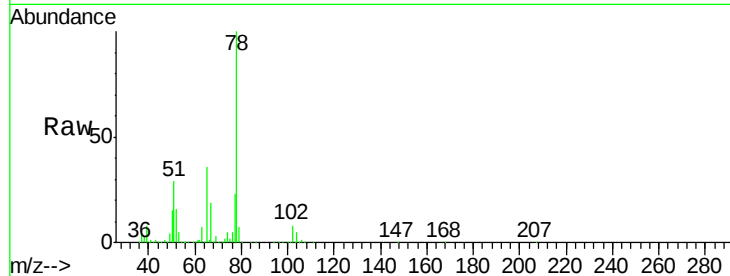
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.17 ug/l  
 RT: 8.03 min Scan# 2002  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 864200 |       |       |
| 67      | 54.0  | 0.0    | 107.2 |       |

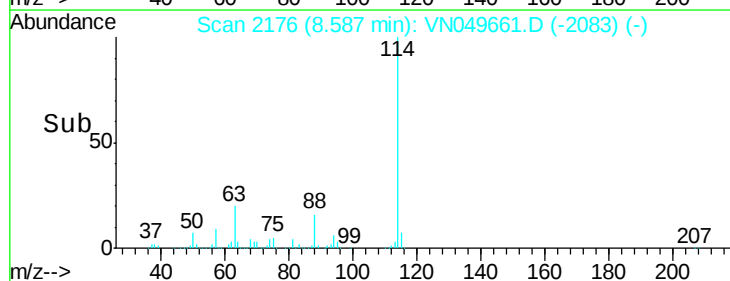
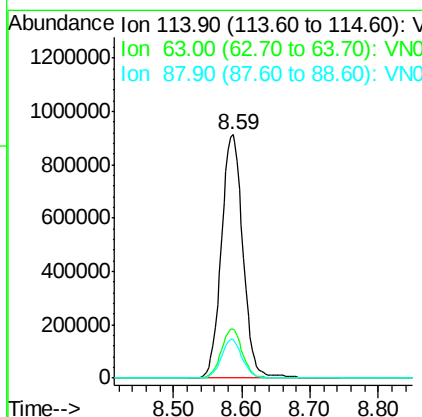
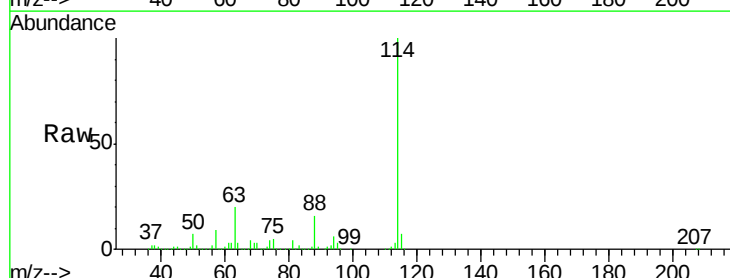
Manual Integrations  
 APPROVED

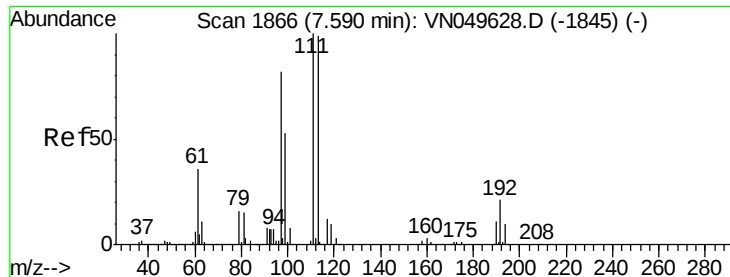
sam  
 7/3/2018 3:51:21 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 114     | 100   | 2004022 |       |       |
| 63      | 20.3  | 0.0     | 39.8  |       |
| 88      | 15.9  | 0.0     | 30.6  |       |





#35

Dibromofluoromethane

Concen: 50.10 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

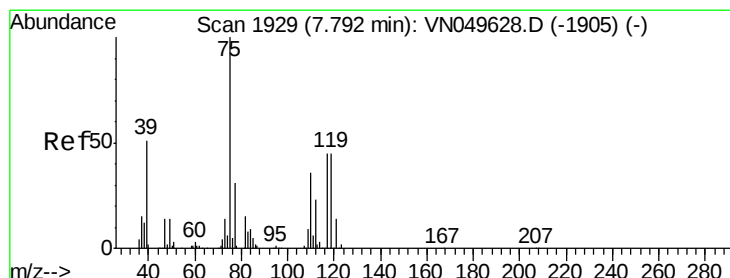
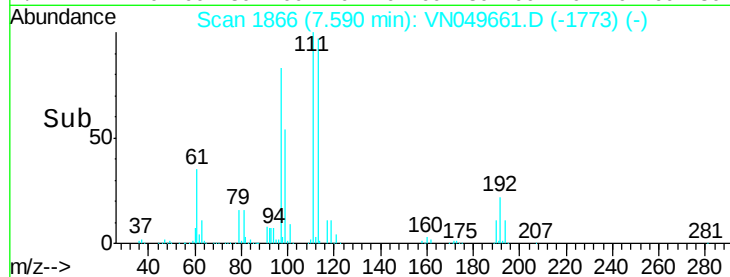
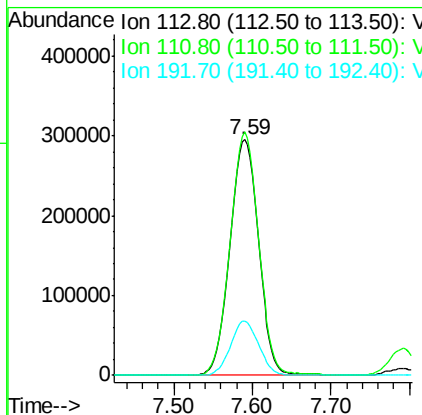
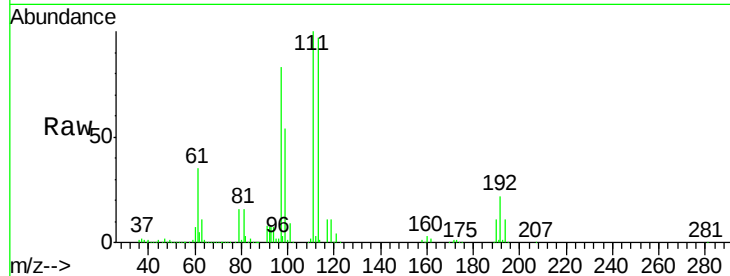
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 750651 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.4 | 81.8  | 122.8  |
| 192       | 22.6  | 17.8  | 26.6   |

Manual Integrations  
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sam  
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#36

1,1-Dichloropropene

Concen: 54.99 ug/l

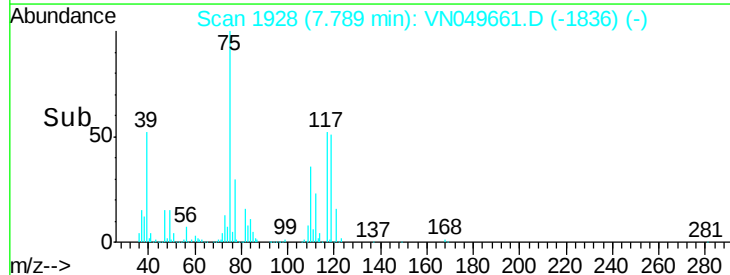
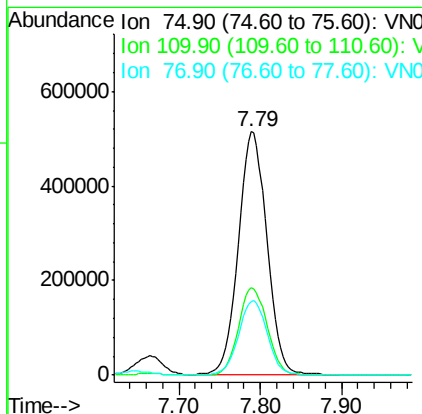
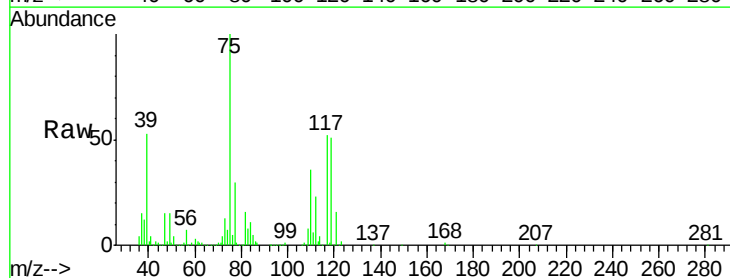
RT: 7.79 min Scan# 1928

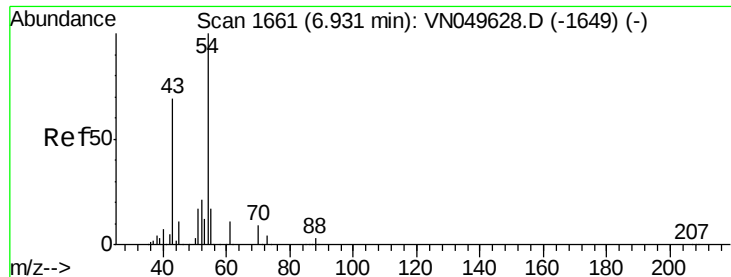
Delta R.T. -0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 75    | Resp: | 1239880 |
| Ion Ratio | Lower | Upper |         |
| 75        | 100   |       |         |
| 110       | 36.2  | 18.1  | 54.4    |
| 77        | 30.8  | 24.9  | 37.3    |





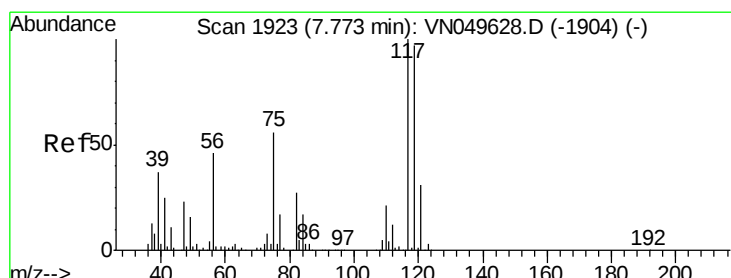
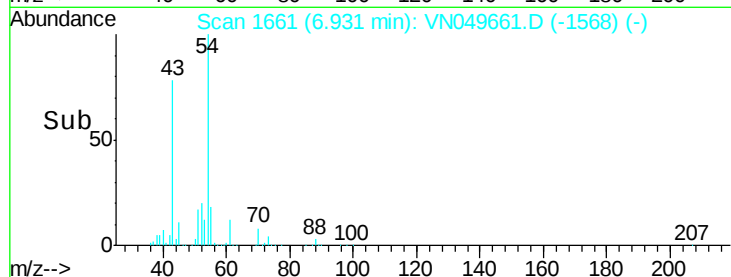
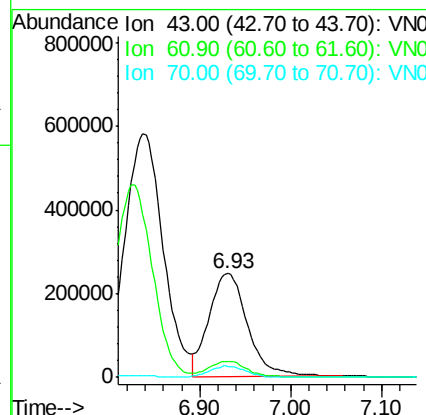
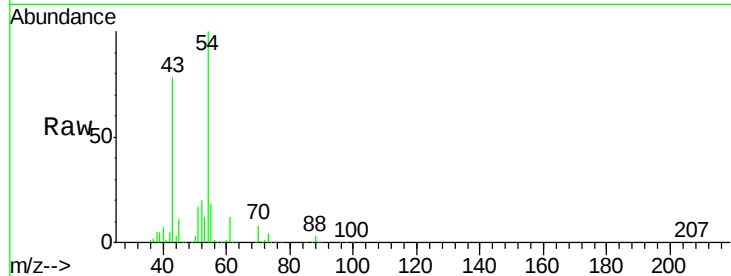
#37  
Ethyl Acetate  
Concen: 54.96 ug/l  
RT: 6.93 min Scan# 1661  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.9  | 11.7  | 17.5  |
| 70      | 10.3  | 8.4   | 12.6  |

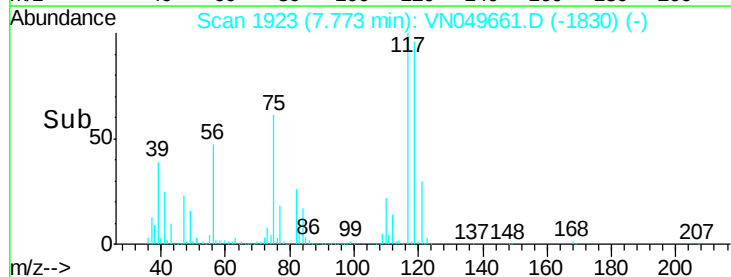
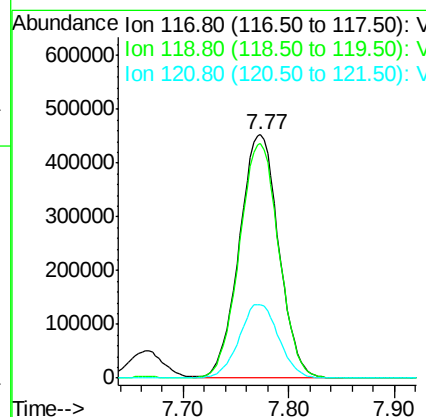
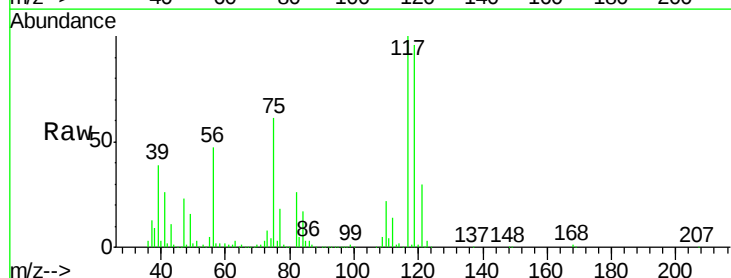
Manual Integrations  
APPROVED

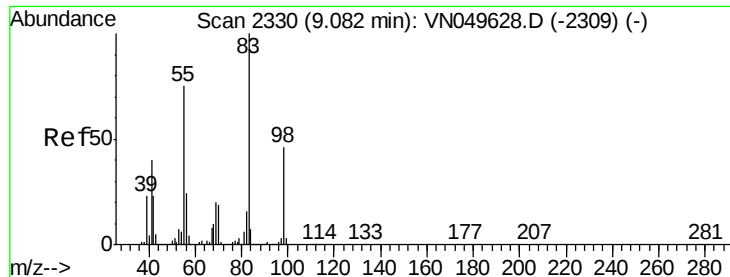
sam  
7/3/2018 3:51:21 PM



#38  
Carbon Tetrachloride  
Concen: 53.50 ug/l  
RT: 7.77 min Scan# 1923  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.2  | 77.2  | 115.8 |
| 121     | 30.2  | 25.0  | 37.6  |





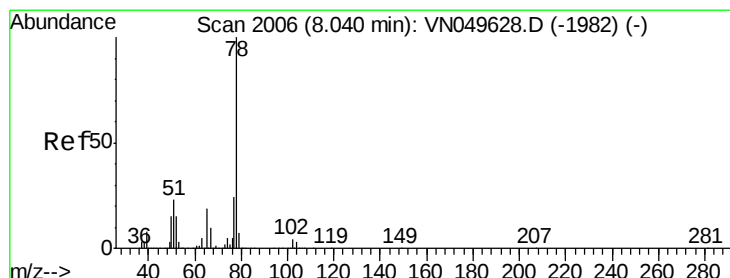
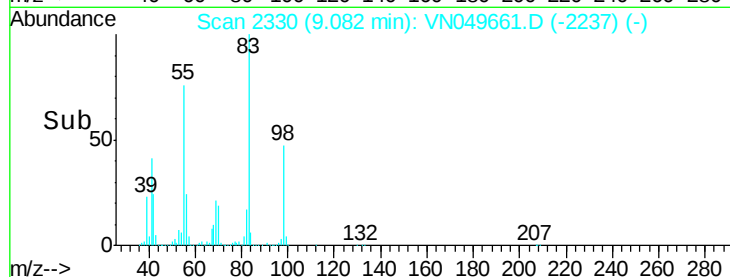
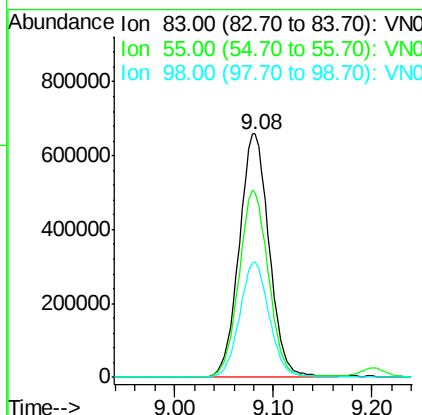
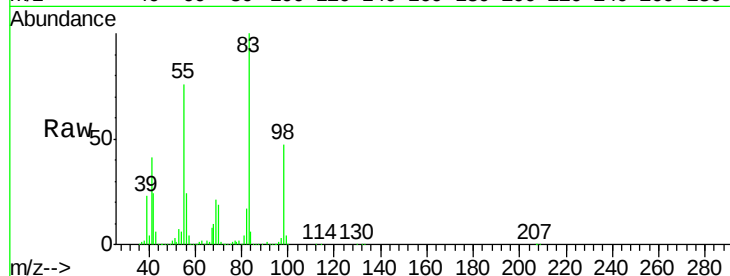
#39  
Methvlcvclohexane  
Concen: 56.02 ug/l  
RT: 9.08 min Scan# 2330  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.6  | 59.7  | 89.5  |
| 98      | 47.2  | 36.5  | 54.7  |

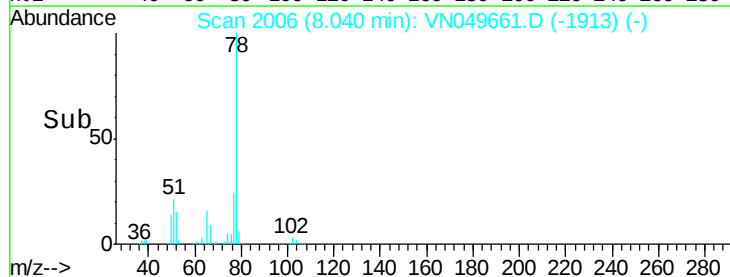
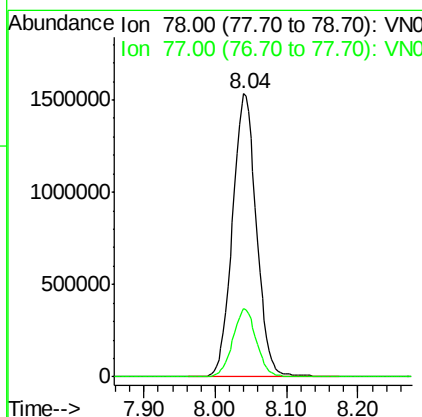
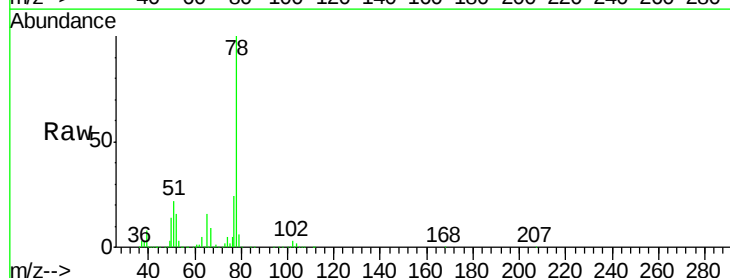
Manual Integrations  
APPROVED

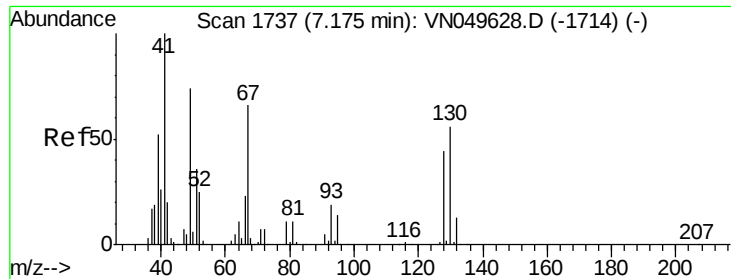
sam  
7/3/2018 3:51:21 PM



#40  
Benzene  
Concen: 52.36 ug/l  
RT: 8.04 min Scan# 2006  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.0  | 19.0  | 28.4  |





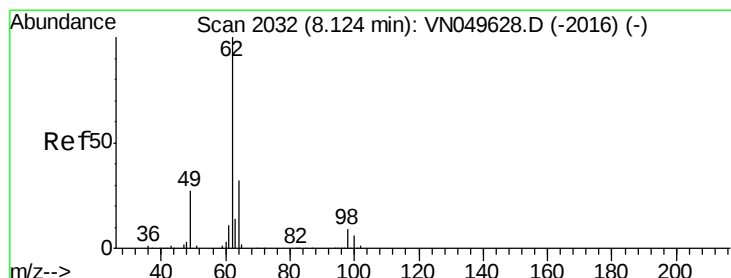
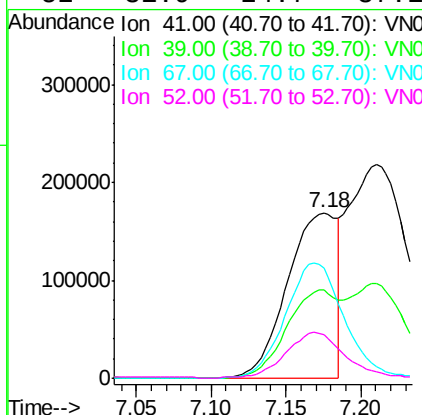
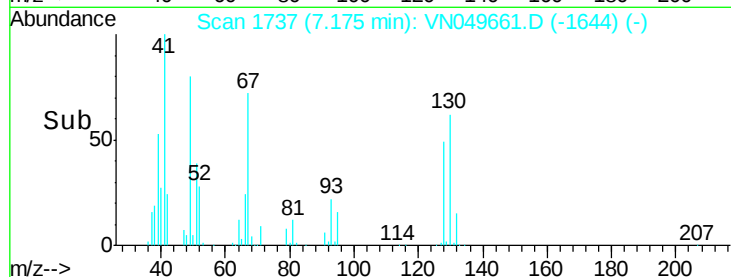
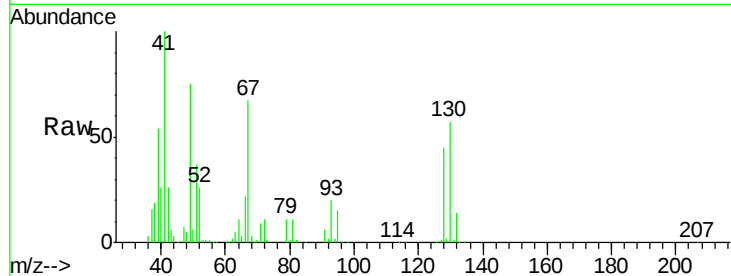
#41  
Methacrylonitrile  
Concen: 52.47 ug/l  
RT: 7.18 min Scan# 1737  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 41    | Resp  | 388975 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 41      | 100   |       |        |
| 39      | 52.7  | 45.4  | 68.2   |
| 67      | 82.6  | 65.4  | 98.0   |
| 52      | 31.9  | 24.7  | 37.1   |

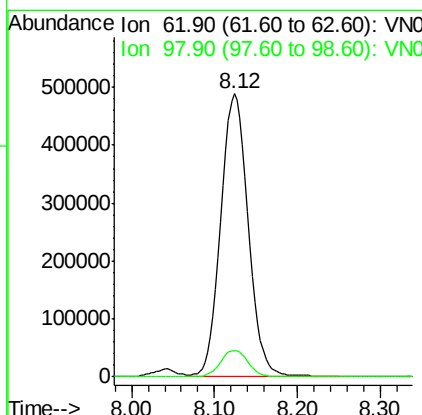
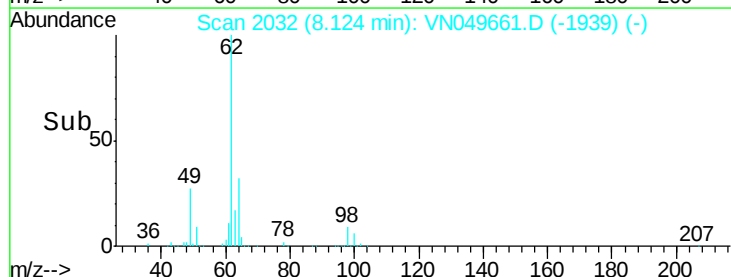
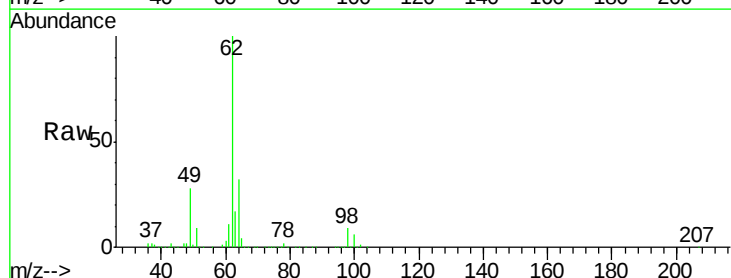
Manual Integrations  
APPROVED

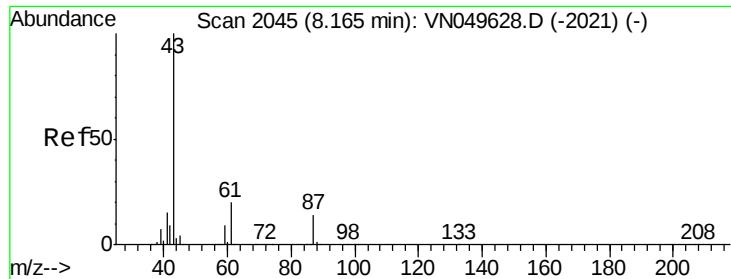
sam  
7/3/2018 3:51:21 PM



#42  
1,2-Dichloroethane  
Concen: 51.04 ug/l  
RT: 8.12 min Scan# 2032  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

| Tgt Ion | 62    | Resp  | 1121400 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 62      | 100   |       |         |
| 98      | 9.5   | 0.0   | 19.0    |





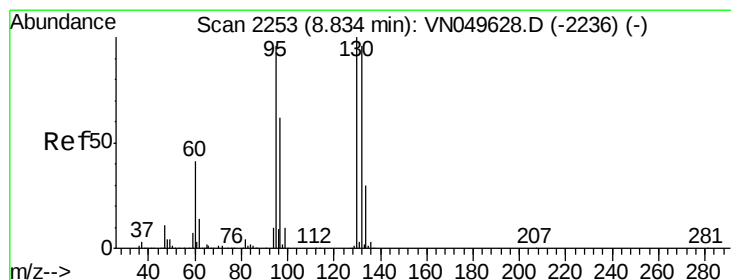
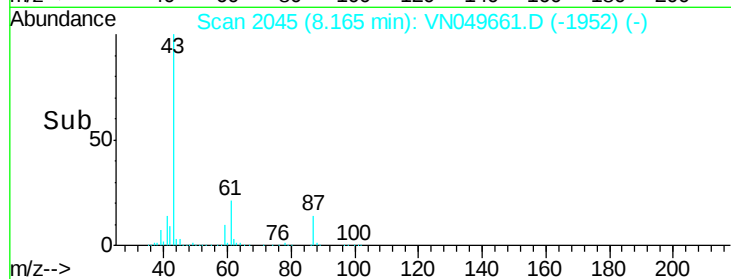
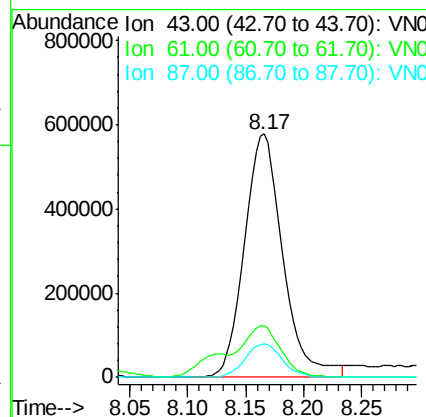
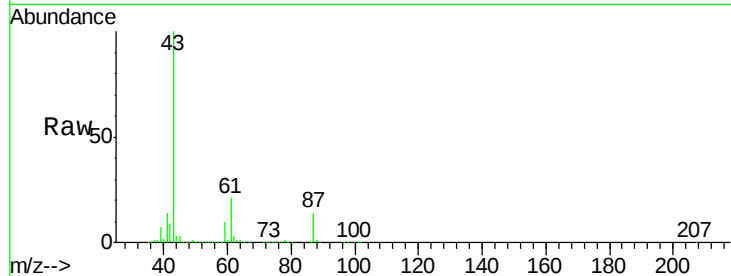
#43  
Isopropyl Acetate  
Concen: 51.00 ug/l  
RT: 8.17 min Scan# 2045  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 43  | Resp | 1331295 |
|-----------|-----|------|---------|
| Ion Ratio | 100 |      |         |
| Lower     |     | 14.9 | 22.3    |
| Upper     |     | 10.0 | 15.0    |

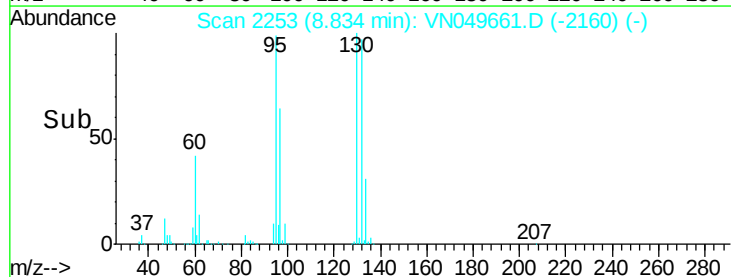
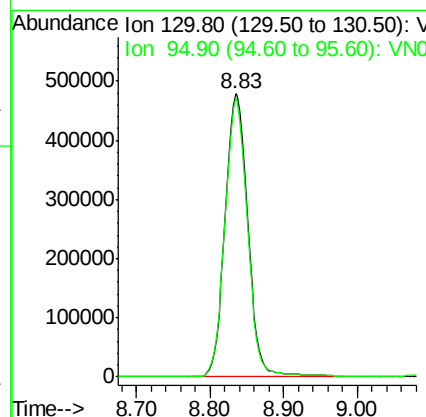
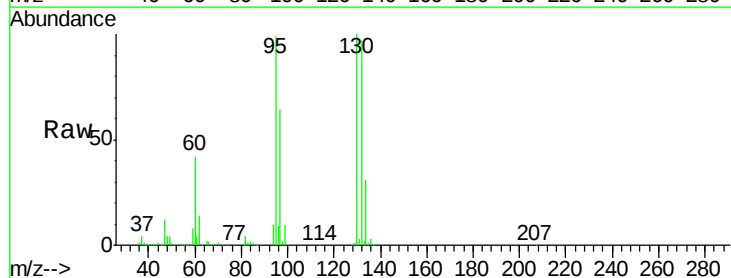
Manual Integrations  
APPROVED

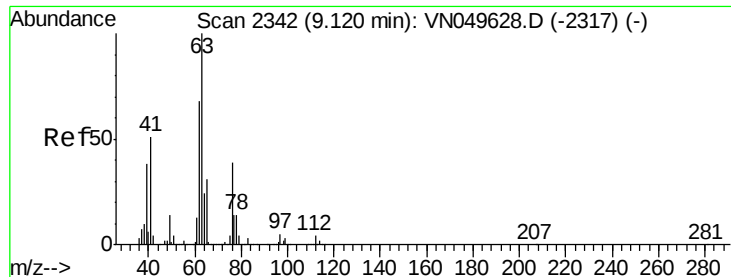
sam  
7/3/2018 3:51:21 PM



#44  
Trichloroethene  
Concen: 49.72 ug/l  
RT: 8.83 min Scan# 2253  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

| Tgt Ion   | 130 | Resp | 1032352 |
|-----------|-----|------|---------|
| Ion Ratio | 100 |      |         |
| Lower     |     | 0.0  | 192.8   |
| Upper     |     |      |         |





#45

1,2-Dichloropropane

Concen: 52.81 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 939399

Ion Ratio Lower Upper

63 100

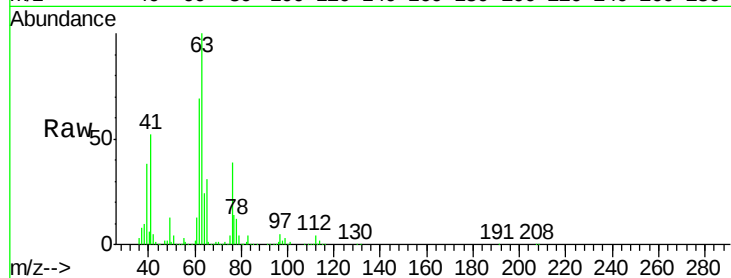
65 30.9 24.7 37.1

Manual Integrations

APPROVED

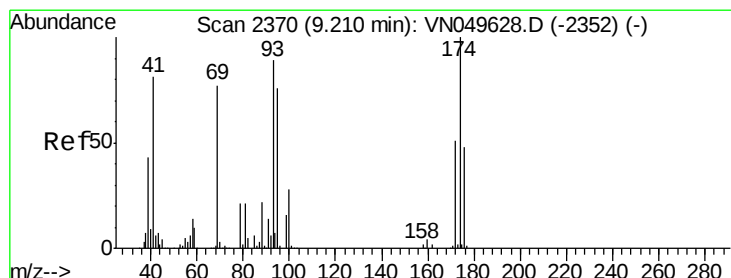
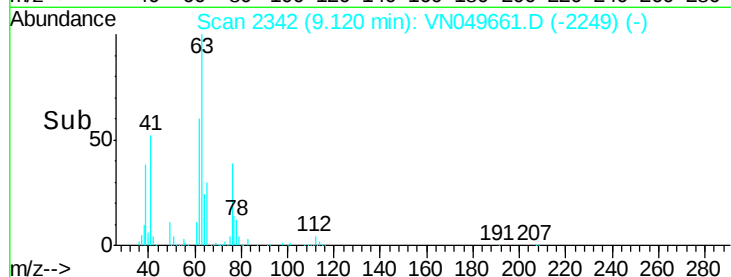
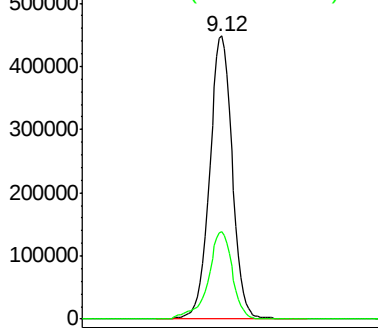
sam

7/3/2018 3:51:21 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.01 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

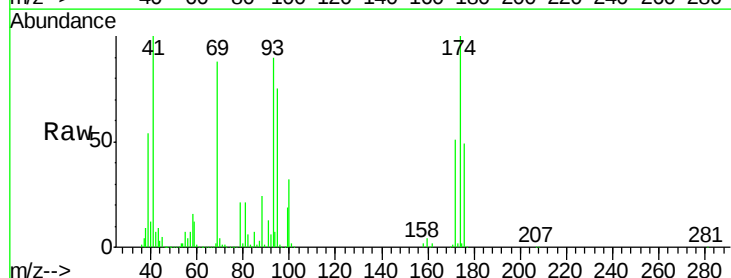
Tgt Ion: 93 Resp: 559672

Ion Ratio Lower Upper

93 100

95 83.8 67.9 101.9

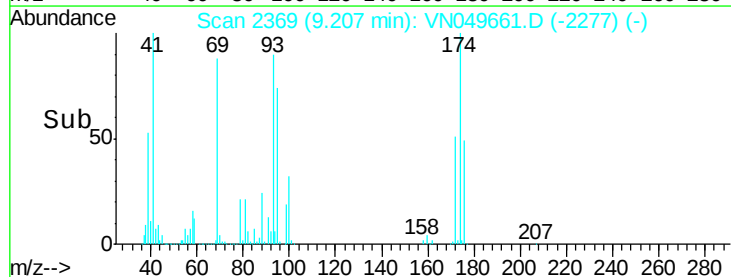
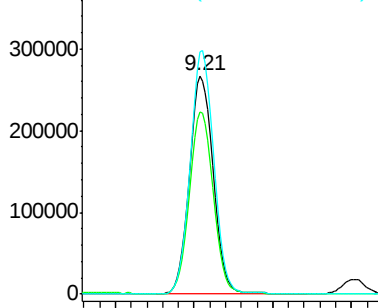
174 109.3 89.4 134.0

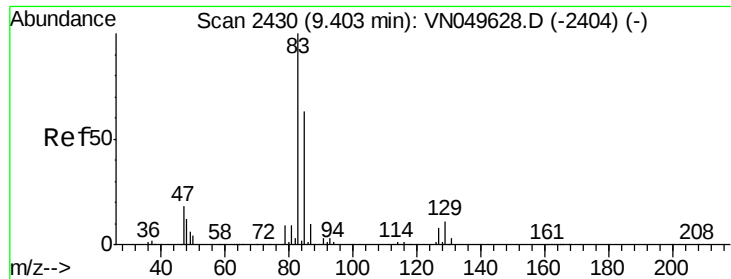


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





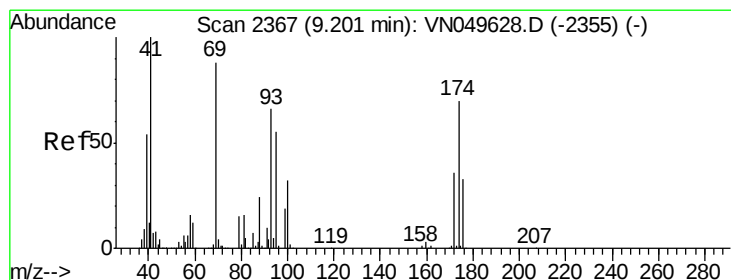
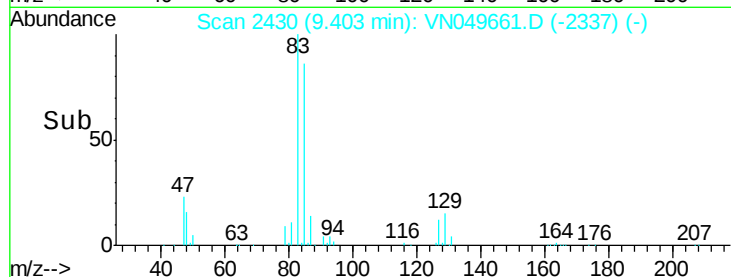
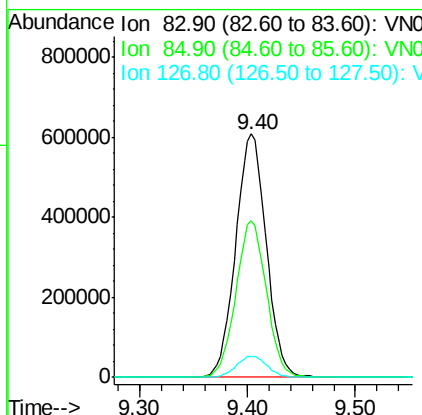
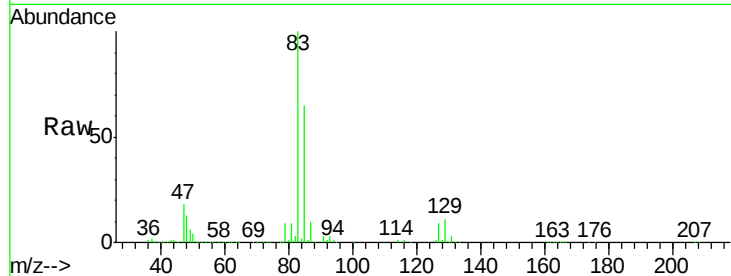
#47  
Bromodichloromethane  
Concen: 52.40 ug/l  
RT: 9.40 min Scan# 2430  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 83      | 85   | 127  |
|---------|---------|------|------|
| Resp    | 1200210 |      |      |
| Ratio   | 100     | 64.6 | 8.7  |
| Lower   |         | 50.5 | 6.8  |
| Upper   |         | 75.7 | 10.2 |

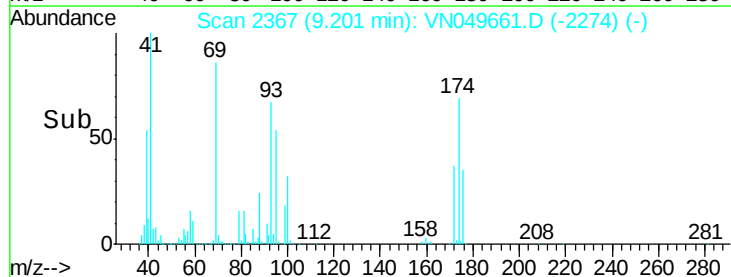
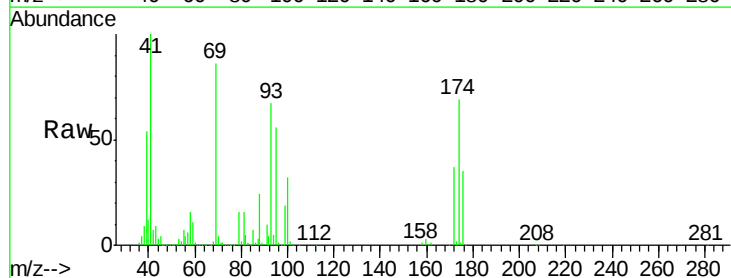
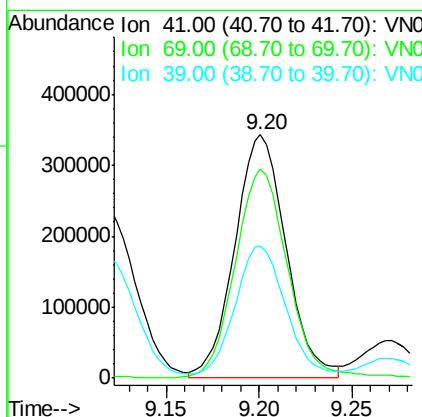
Manual Integrations  
APPROVED

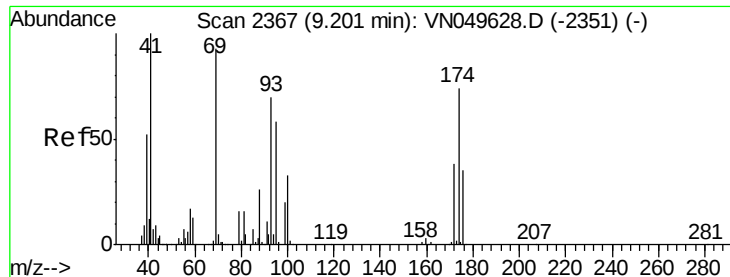
sam  
7/3/2018 3:51:21 PM



#48  
Methyl methacrylate  
Concen: 56.02 ug/l  
RT: 9.20 min Scan# 2367  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

| Tgt Ion | 41     | 69    | 39   |
|---------|--------|-------|------|
| Resp    | 654646 |       |      |
| Ratio   | 100    | 88.3  | 54.2 |
| Lower   |        | 71.5  | 44.7 |
| Upper   |        | 107.3 | 67.1 |





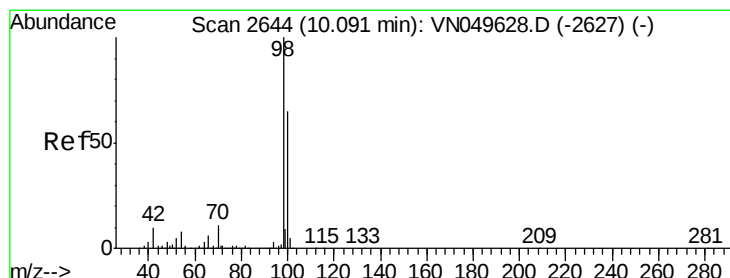
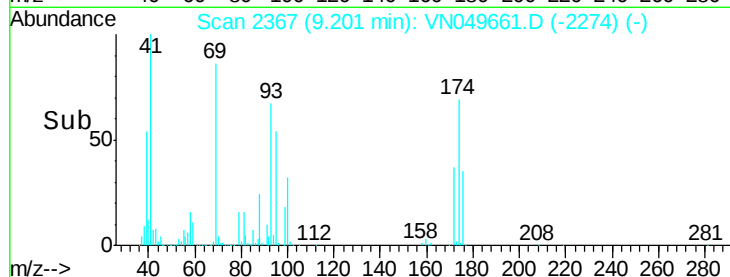
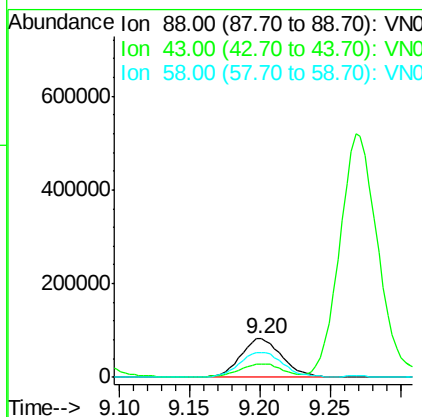
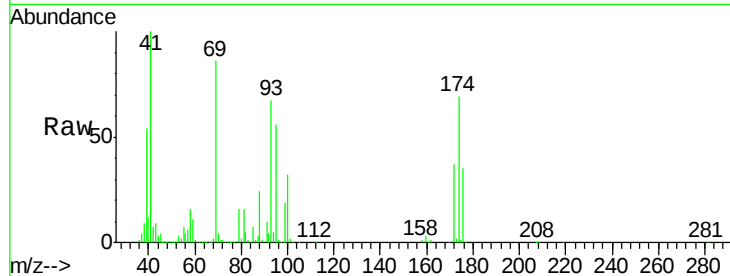
#49  
1,4-Dioxane  
Concen: 1091.74 ug/l  
RT: 9.20 min Scan# 2367  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 33.2  | 25.1  | 37.7  |
| 58      | 68.4  | 52.5  | 78.7  |

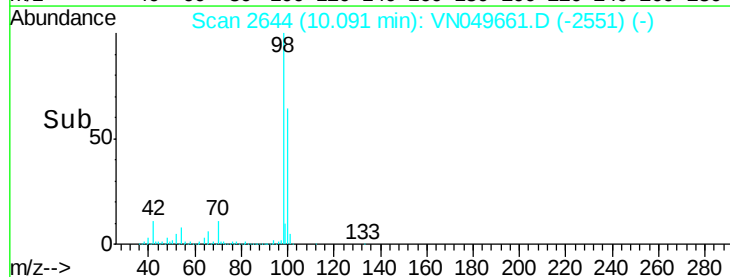
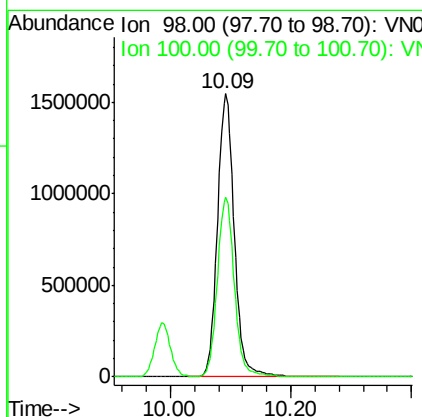
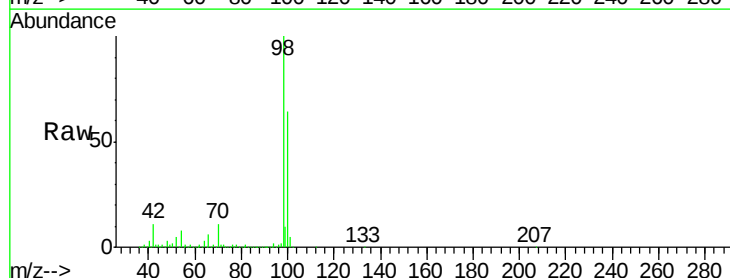
Manual Integrations  
APPROVED

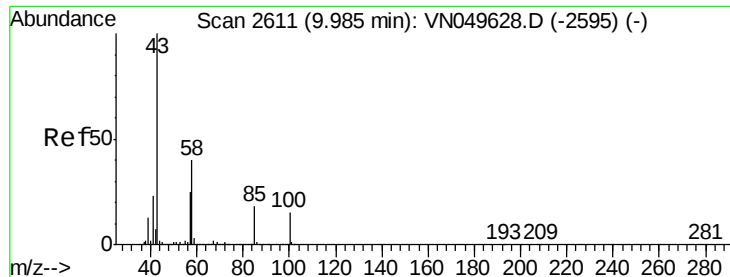
sam  
7/3/2018 3:51:21 PM



#50  
Toluene-d8  
Concen: 50.19 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.3  | 51.7  | 77.5  |





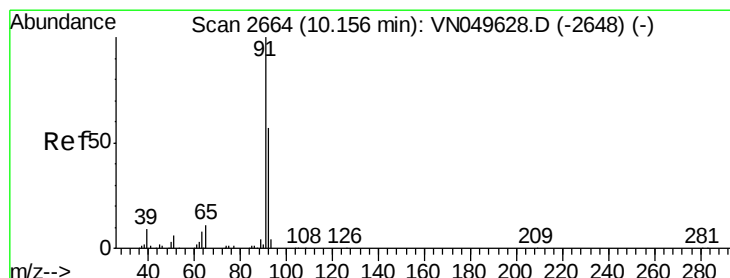
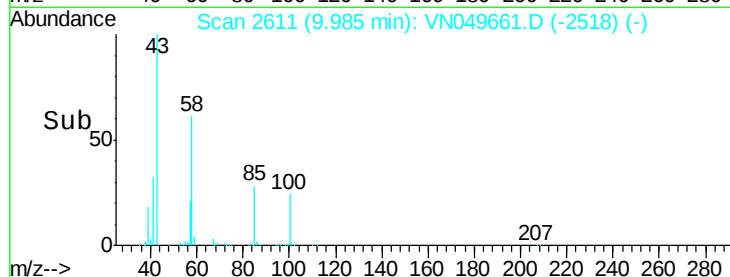
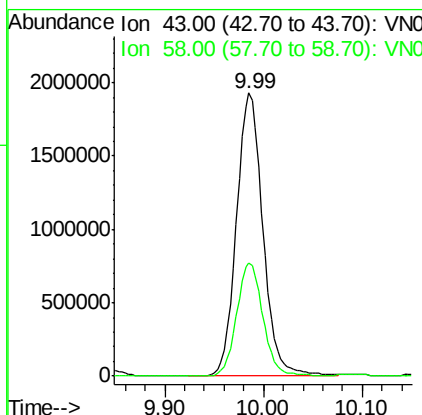
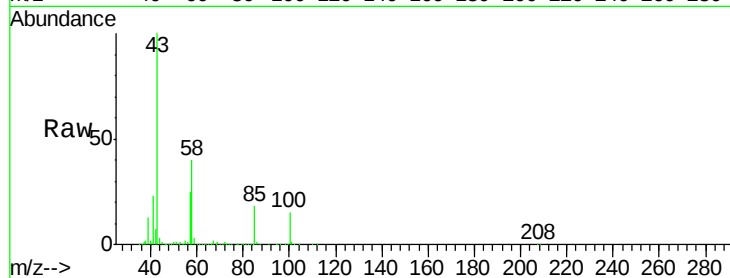
#51  
4-Methyl-2-Pentanone  
Concen: 278.28 ug/l  
RT: 9.99 min Scan# 2611  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 3588039  
Ion Ratio Lower Upper  
43 100  
58 39.9 31.8 47.8

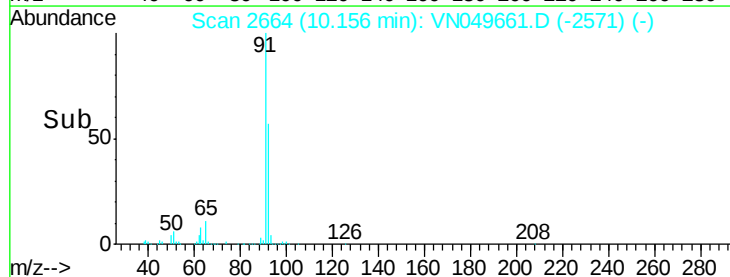
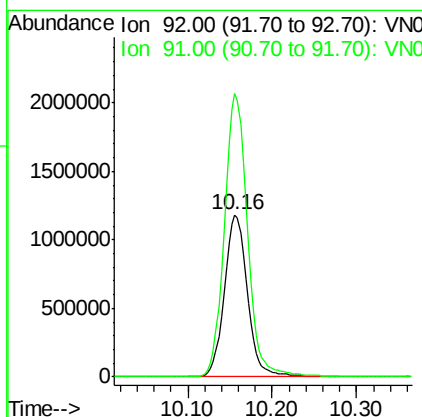
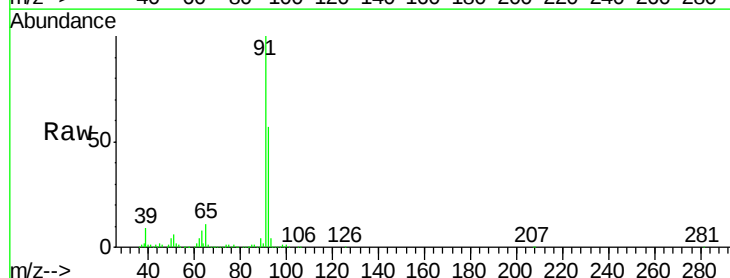
Manual Integrations  
APPROVED

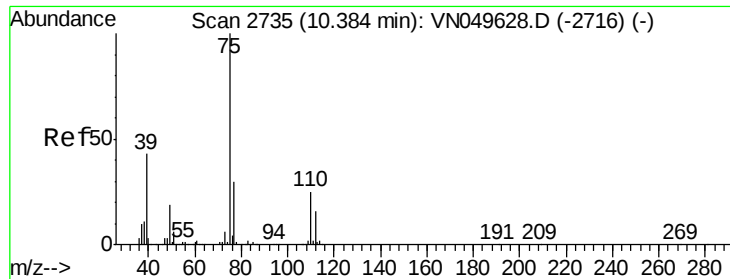
Sam  
7/3/2018 3:51:21 PM



#52  
Toluene  
Concen: 53.93 ug/l  
RT: 10.16 min Scan# 2664  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Tgt Ion: 92 Resp: 2243184  
Ion Ratio Lower Upper  
92 100  
91 175.8 140.1 210.1





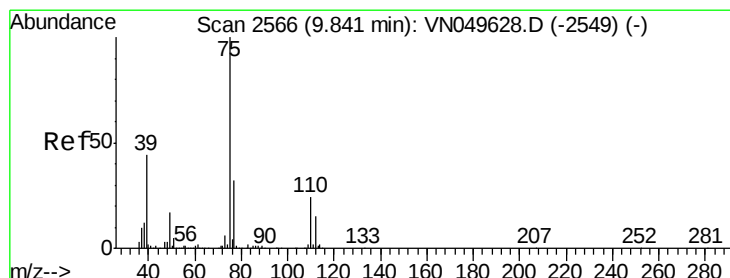
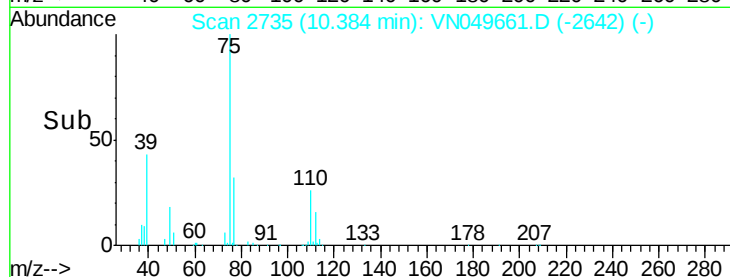
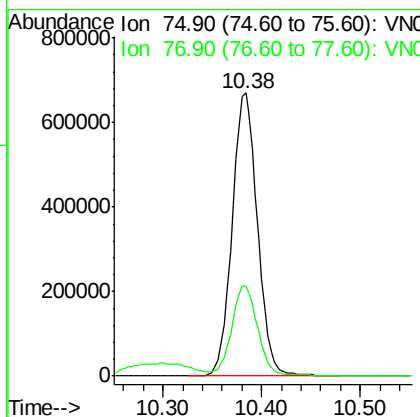
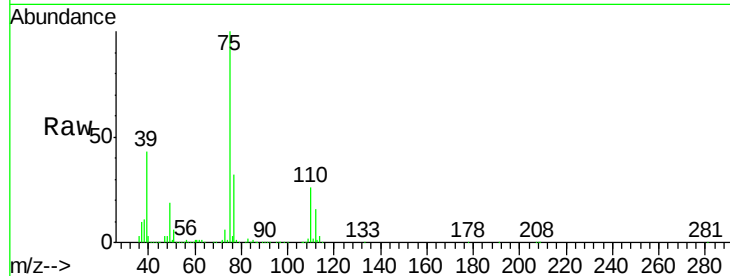
#53  
t-1,3-Dichloropropene  
Concen: 54.51 ug/l  
RT: 10.38 min Scan# 2735  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion: 75 Resp: 1195653  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.2 37.8

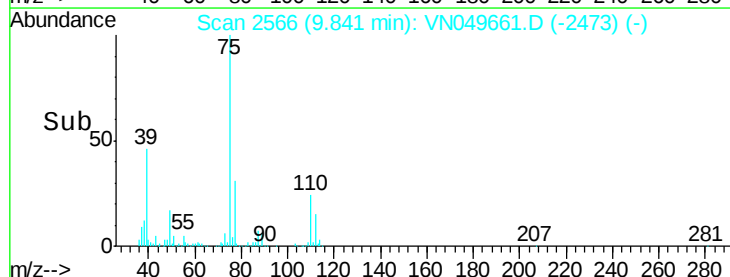
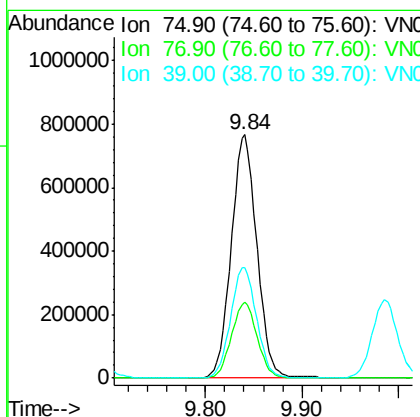
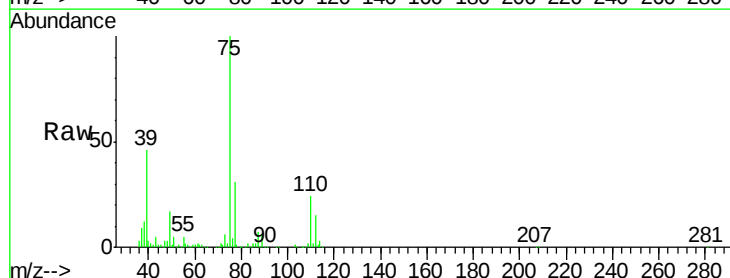
Manual Integrations  
APPROVED

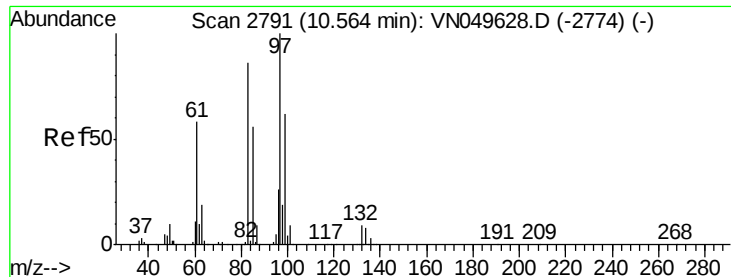
sam  
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#54  
cis-1,3-Dichloropropene  
Concen: 55.09 ug/l  
RT: 9.84 min Scan# 2566  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Tgt Ion: 75 Resp: 1412362  
Ion Ratio Lower Upper  
75 100  
77 31.2 25.3 37.9  
39 45.5 35.5 53.3





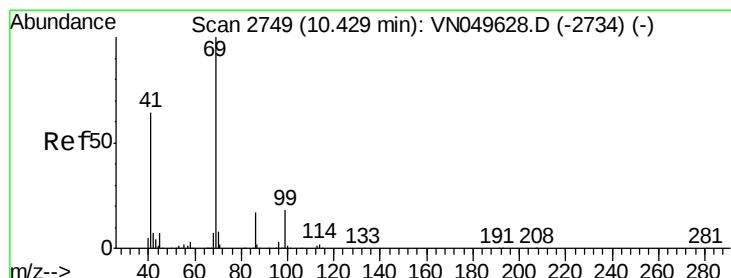
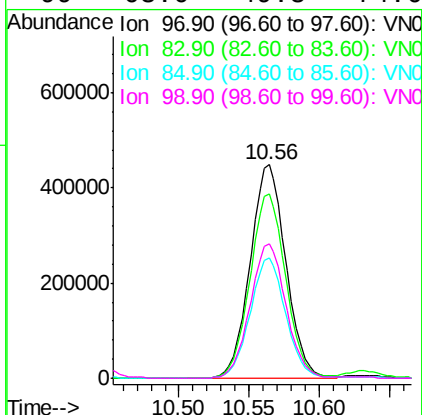
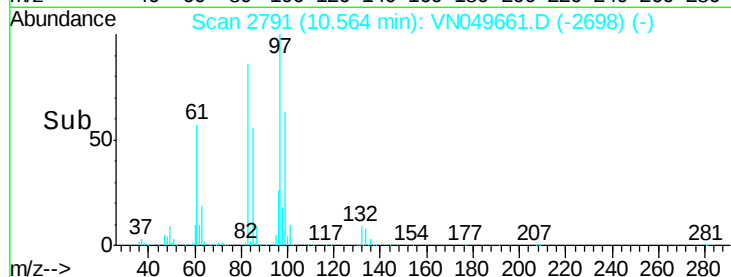
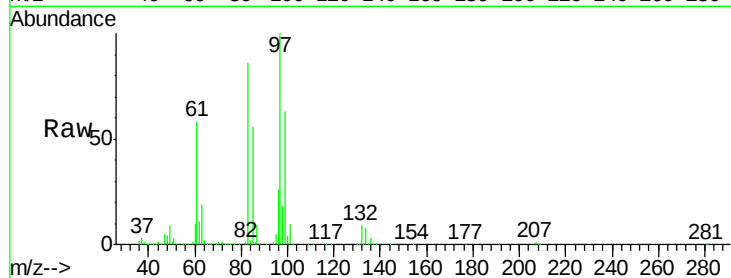
#55  
 1,1,2-Trichloroethane  
 Concen: 51.34 ug/l  
 RT: 10.56 min Scan# 2791  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 795013 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 86.4  | 69.0  | 103.6  |
| 85       | 56.0  | 44.9  | 67.3   |
| 99       | 63.0  | 49.8  | 74.6   |

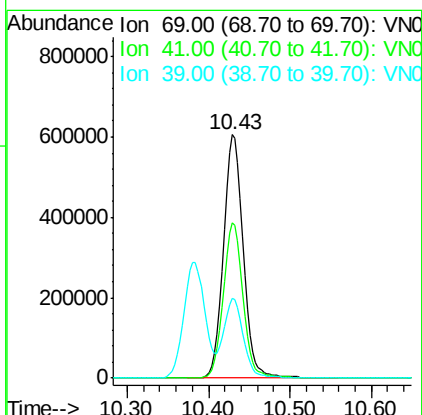
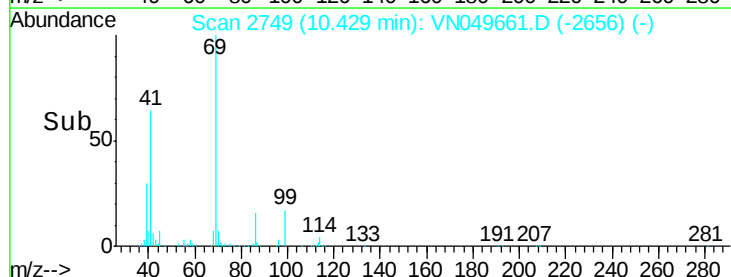
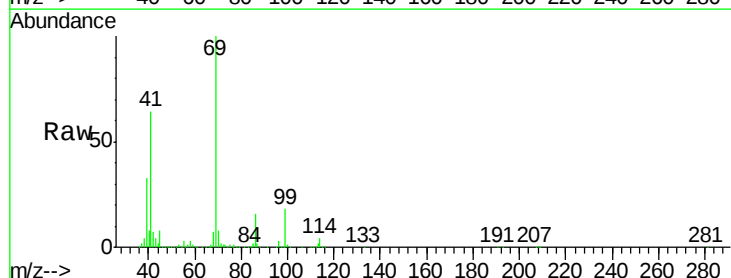
Manual Integrations  
 APPROVED

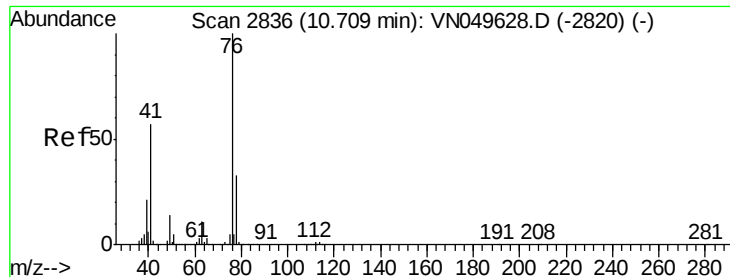
sam  
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#56  
 Ethyl methacrylate  
 Concen: 57.46 ug/l  
 RT: 10.43 min Scan# 2749  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 69    | Resp: | 1043022 |
| Ion      | Ratio | Lower | Upper   |
| 69       | 100   |       |         |
| 41       | 62.5  | 51.6  | 77.4    |
| 39       | 31.6  | 25.8  | 38.8    |





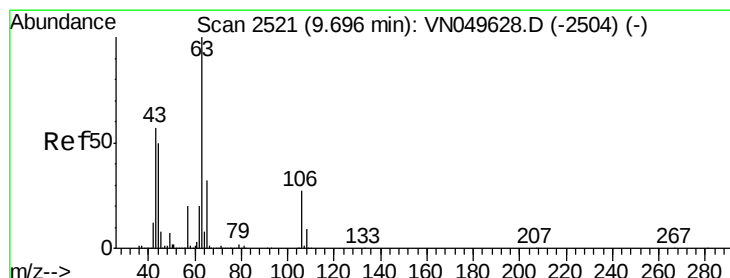
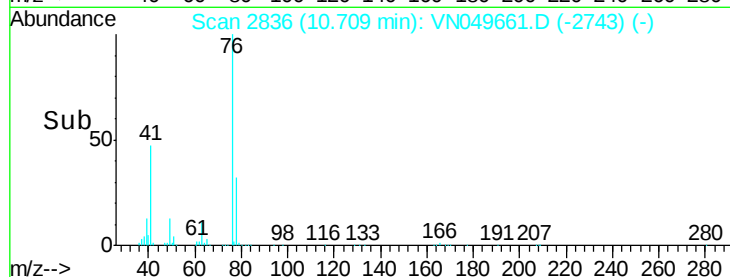
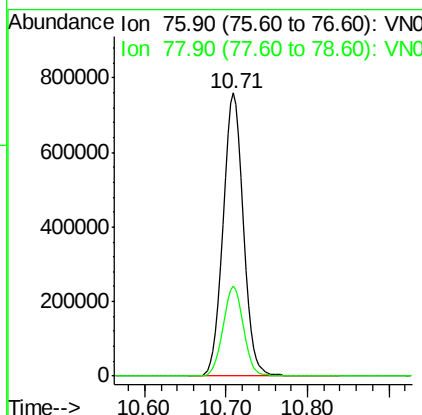
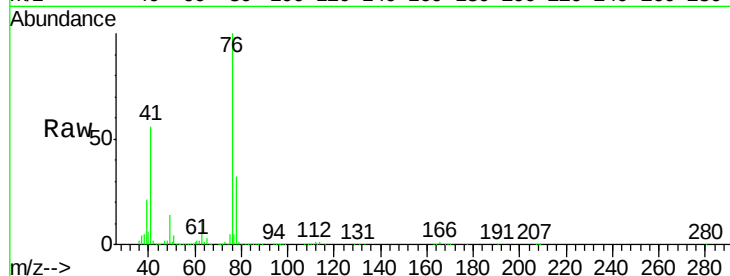
#57  
 1,3-Dichloropropane  
 Concen: 53.48 ug/l  
 RT: 10.71 min Scan# 2836  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 76 Resp: 1342877  
 Ion Ratio Lower Upper  
 76 100  
 78 32.1 25.8 38.8

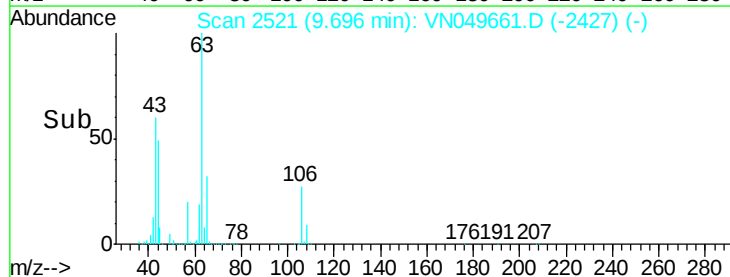
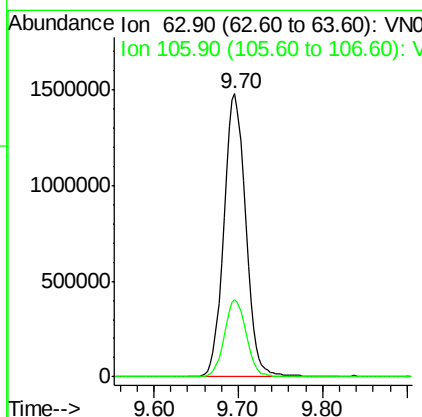
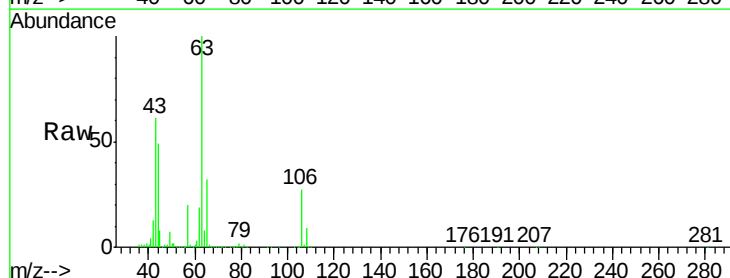
Manual Integrations  
 APPROVED

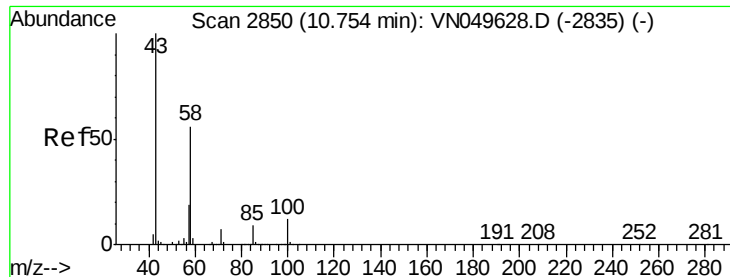
sam  
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 281.90 ug/l  
 RT: 9.70 min Scan# 2521  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

Tgt Ion: 63 Resp: 2680642  
 Ion Ratio Lower Upper  
 63 100  
 106 27.2 21.8 32.8





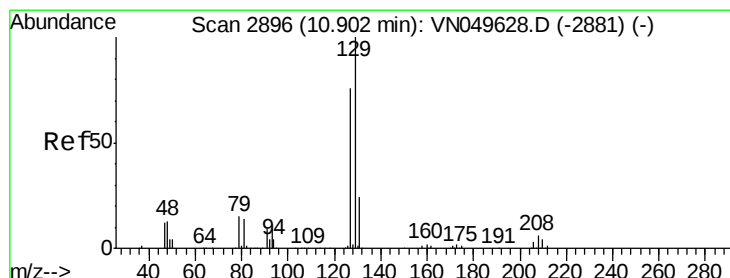
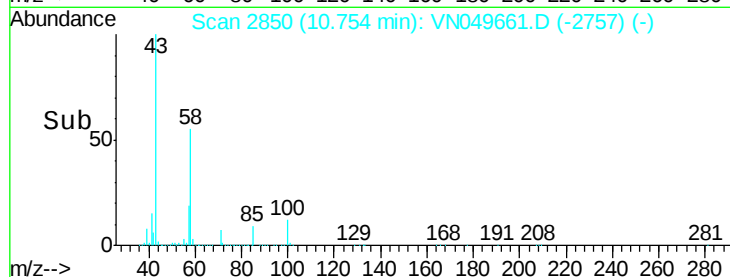
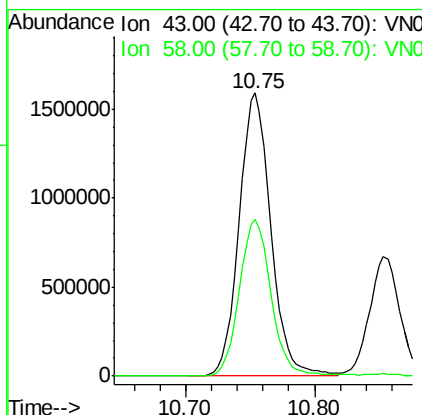
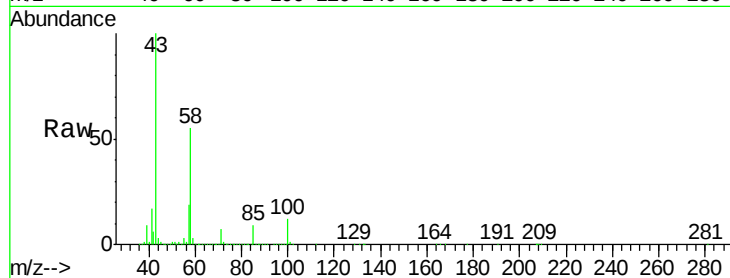
#59  
2-Hexanone  
Concen: 318.31 ug/l  
RT: 10.75 min Scan# 2850  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 2713835  
Ion Ratio Lower Upper  
43 100  
58 55.7 27.8 83.4

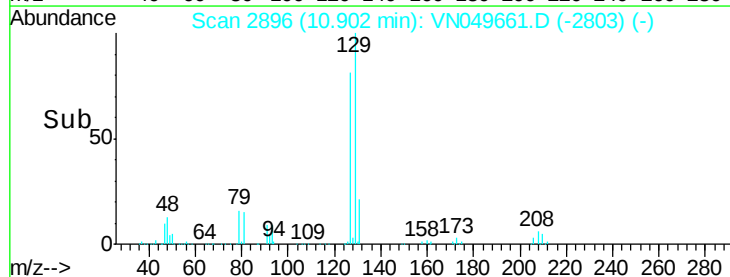
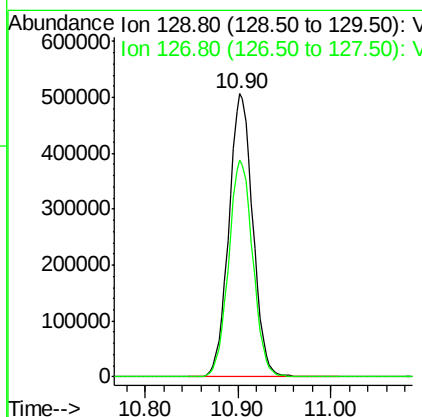
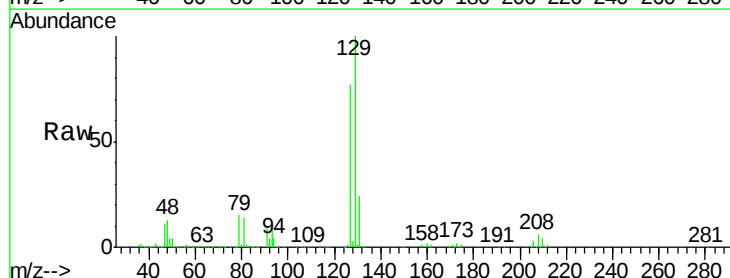
Manual Integrations  
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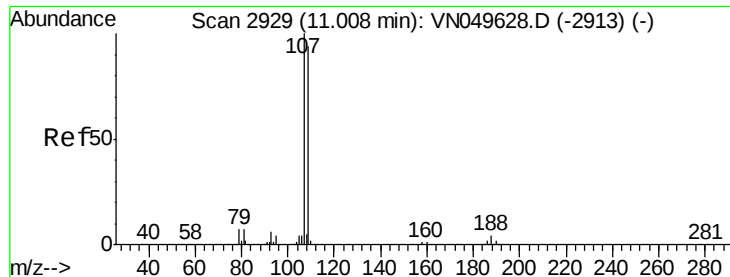
sam  
7/3/2018 3:51:21 PM



#60  
Dibromochloromethane  
Concen: 54.12 ug/l  
RT: 10.90 min Scan# 2896  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Tgt Ion: 129 Resp: 905823  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.3 114.9





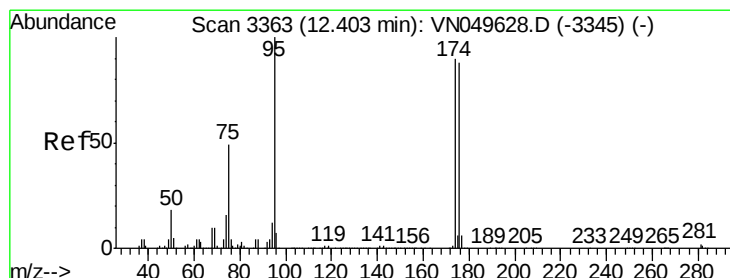
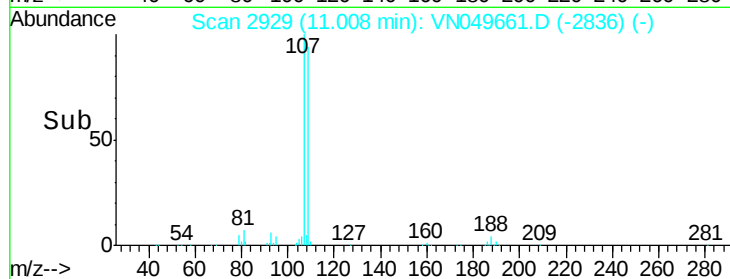
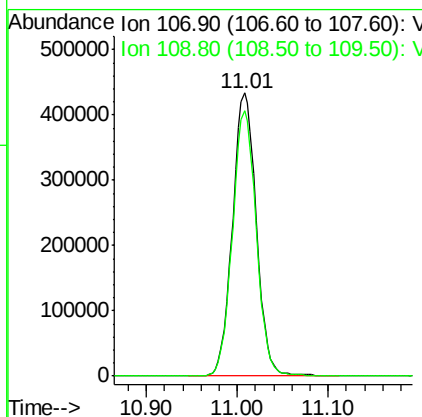
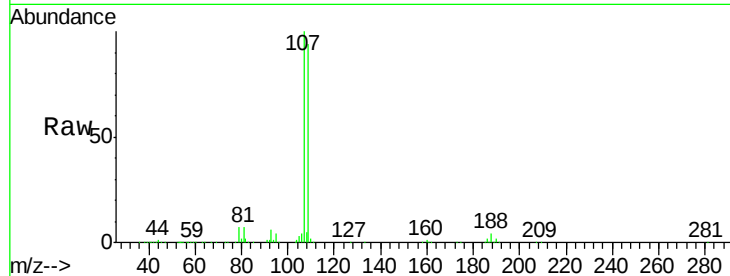
#61  
 1,2-Dibromoethane  
 Concen: 53.12 ug/l  
 RT: 11.01 min Scan# 2929  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.2  | 75.0  | 112.6 |

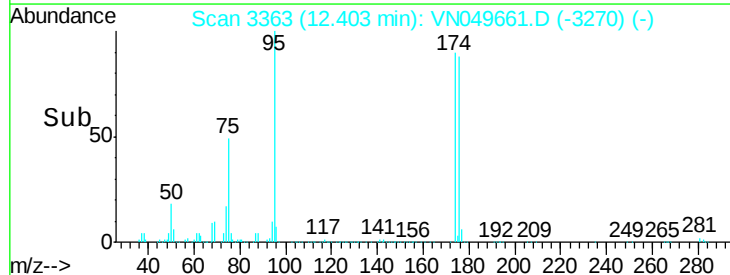
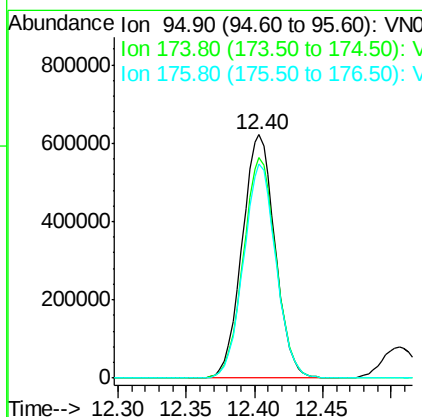
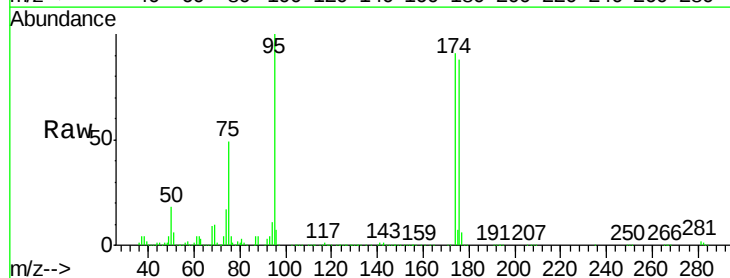
Manual Integrations  
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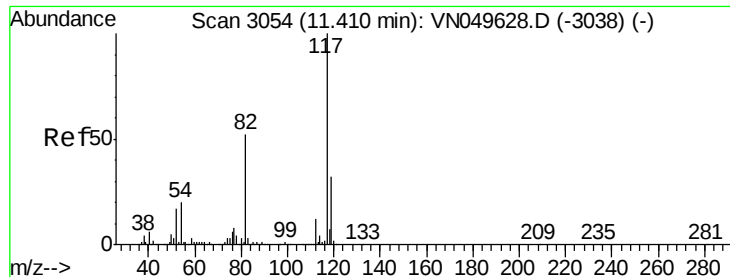
sam  
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#62  
 4-Bromofluorobenzene  
 Concen: 51.89 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 90.0  | 0.0   | 179.6 |
| 176     | 86.9  | 0.0   | 174.0 |





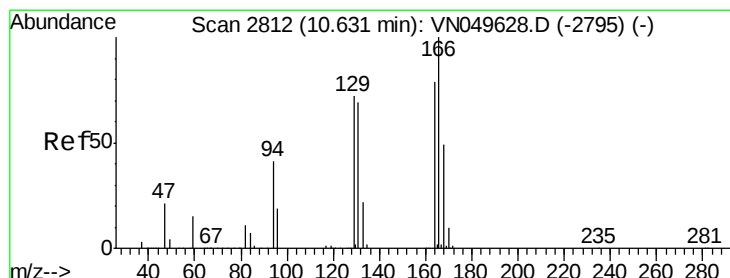
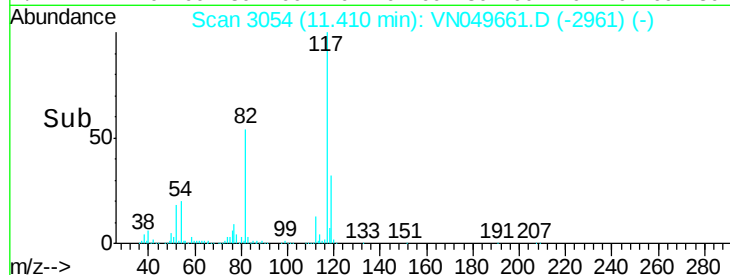
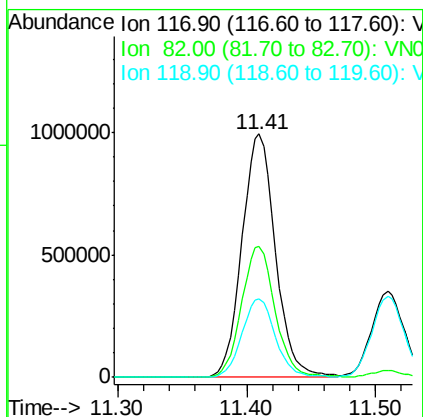
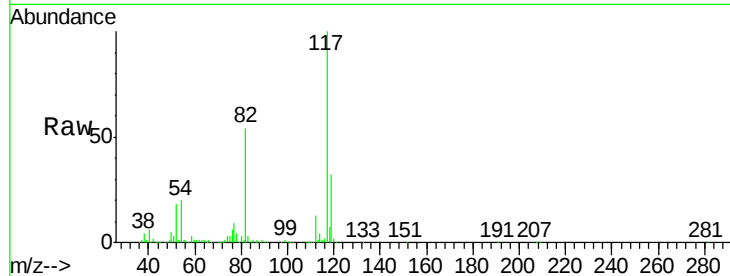
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.8  | 41.9  | 62.9  |
| 119     | 32.2  | 25.4  | 38.2  |

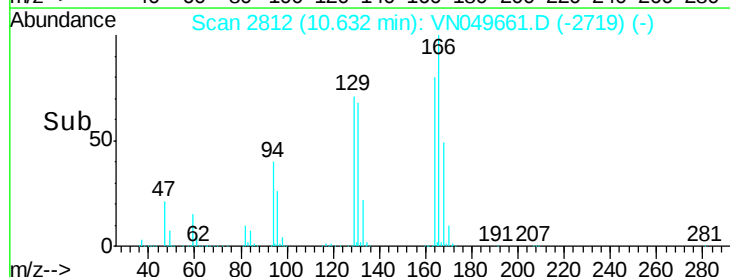
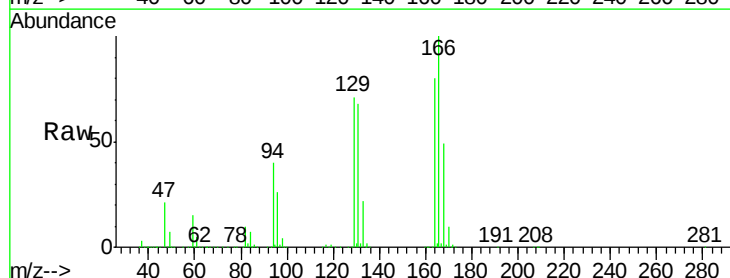
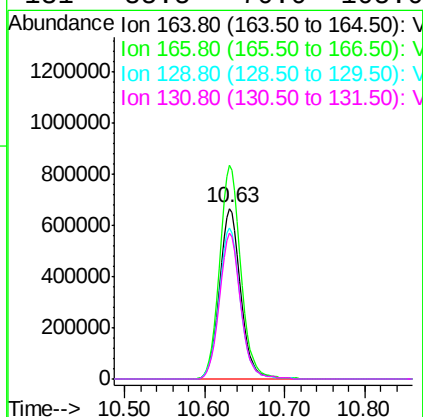
Manual Integrations  
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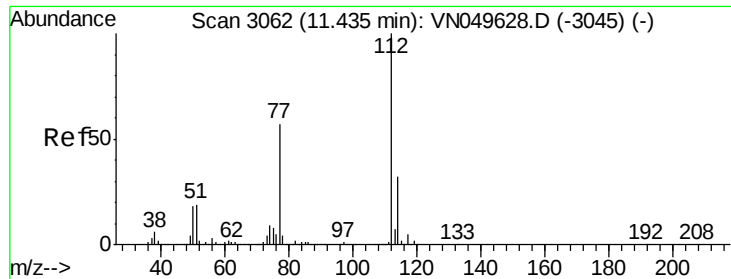
sam  
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#64  
Tetrachloroethene  
Concen: 50.03 ug/l  
RT: 10.63 min Scan# 2812  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.1 | 101.8 | 152.6 |
| 129     | 88.6  | 72.8  | 109.2 |
| 131     | 85.5  | 70.0  | 105.0 |





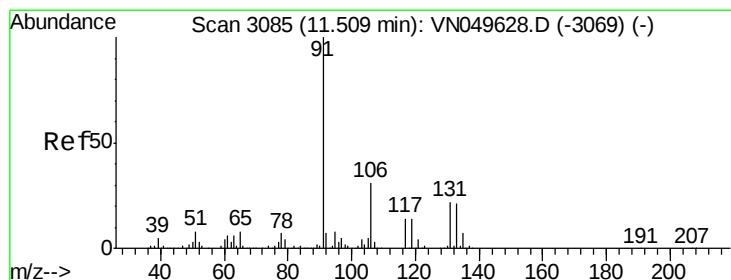
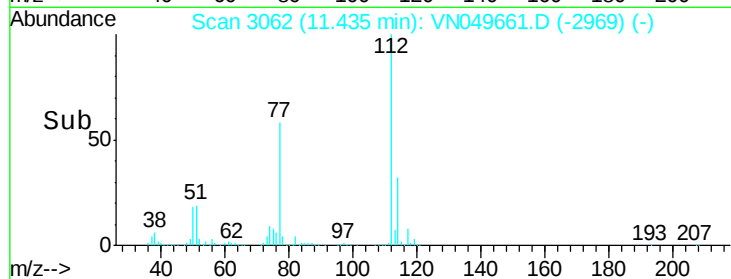
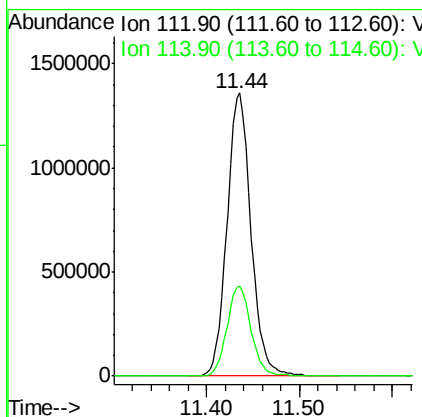
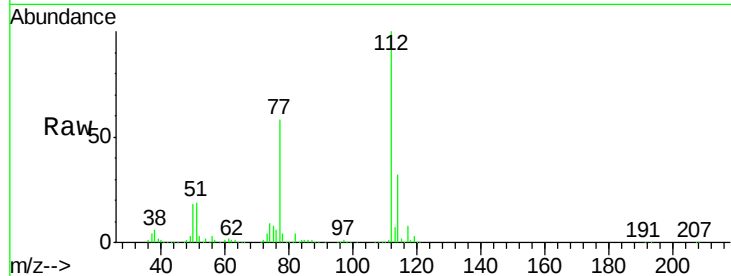
#65  
Chlorobenzene  
Concen: 51.87 ug/l  
RT: 11.44 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion:112 Resp: 2434609  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.4 38.0

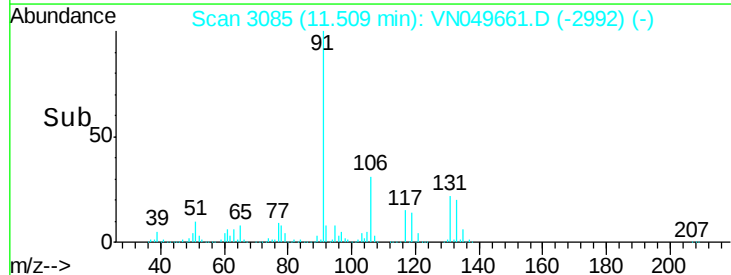
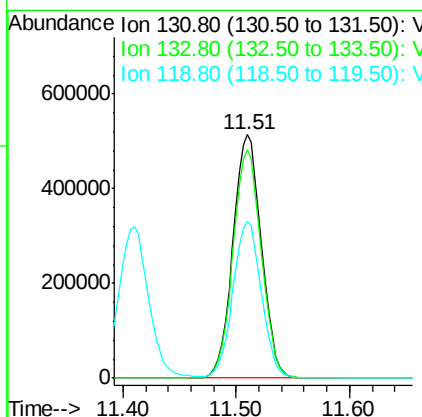
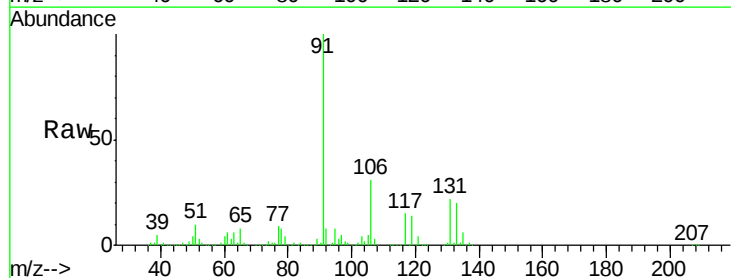
Manual Integrations  
APPROVED

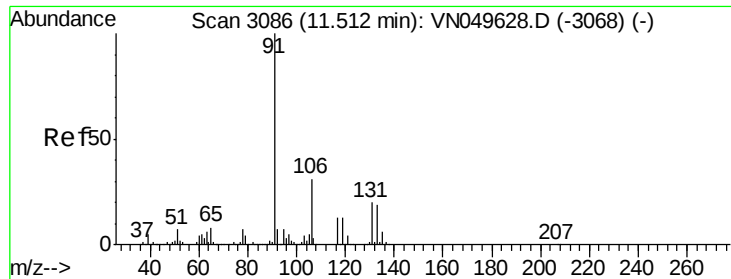
sam  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.28 ug/l  
RT: 11.51 min Scan# 3085  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Tgt Ion:131 Resp: 898527  
Ion Ratio Lower Upper  
131 100  
133 93.5 47.5 142.6  
119 64.4 33.1 99.3





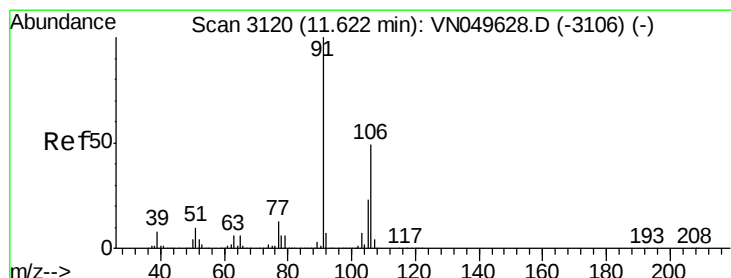
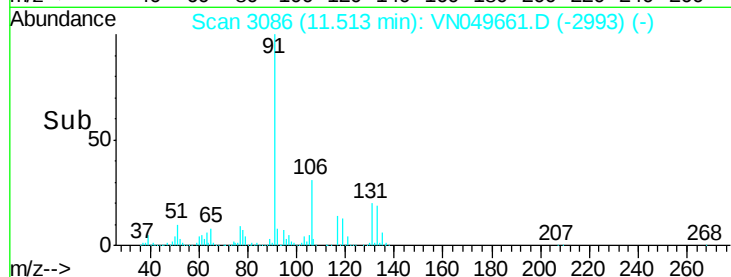
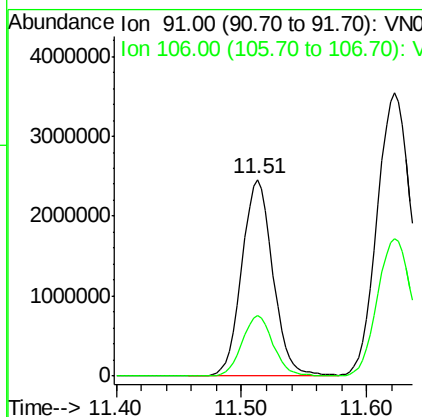
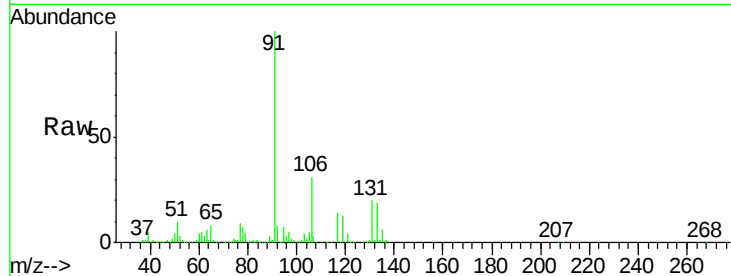
#67  
Ethyl Benzene  
Concen: 54.76 ug/l  
RT: 11.51 min Scan# 3086  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 4248133  
Ion Ratio Lower Upper  
91 100  
106 31.1 24.8 37.2

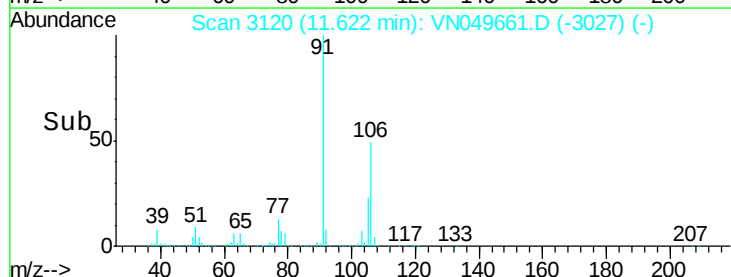
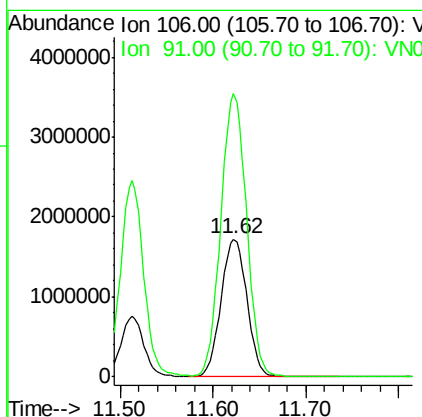
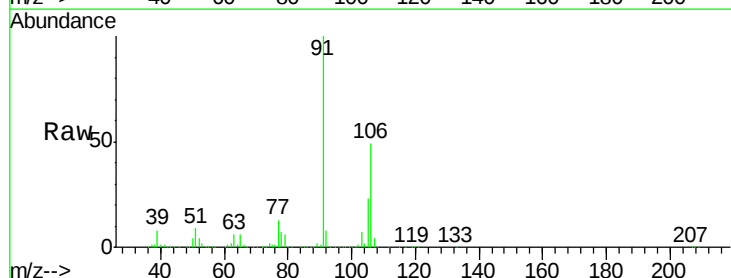
Manual Integrations  
APPROVED

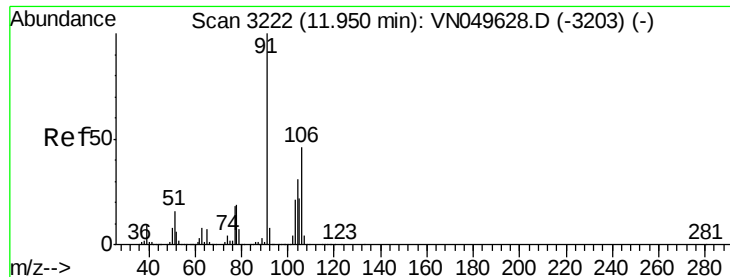
sam  
7/3/2018 3:51:21 PM



#68  
m/p-Xylenes  
Concen: 112.48 ug/l  
RT: 11.62 min Scan# 3120  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Tgt Ion: 106 Resp: 3344417  
Ion Ratio Lower Upper  
106 100  
91 203.8 163.4 245.2





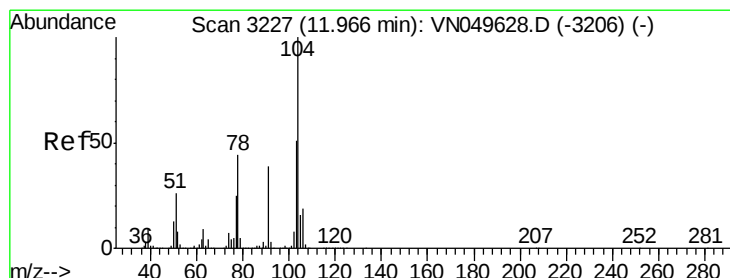
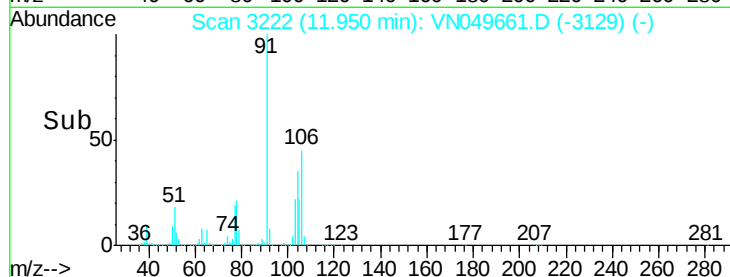
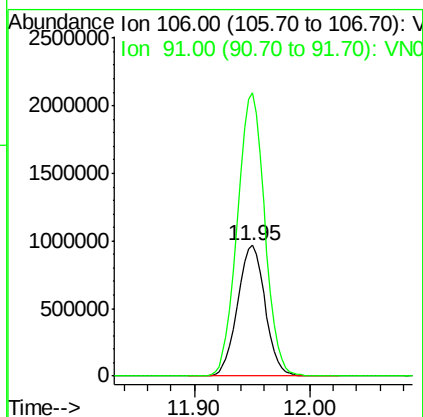
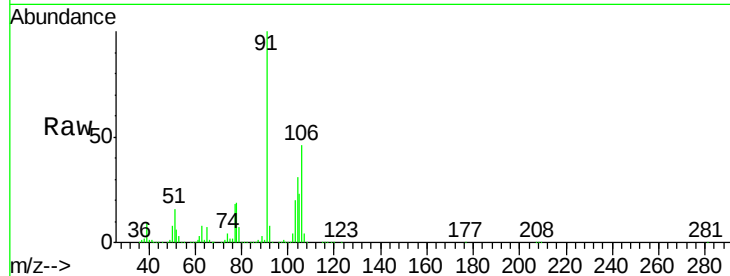
#69  
o-Xylene  
Concen: 55.76 ug/l  
RT: 11.95 min Scan# 3222  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion:106 Resp: 1587193  
Ion Ratio Lower Upper  
106 100  
91 215.5 108.7 326.1

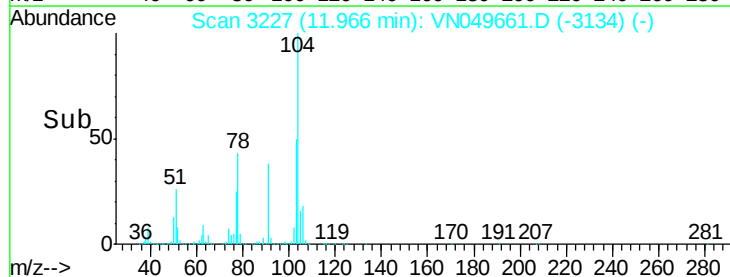
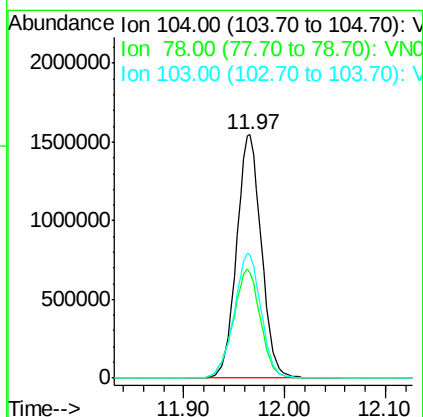
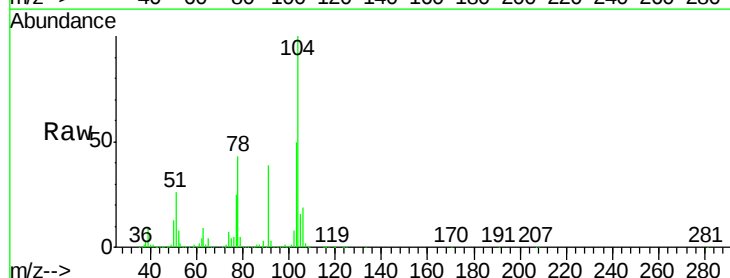
Manual Integrations  
APPROVED

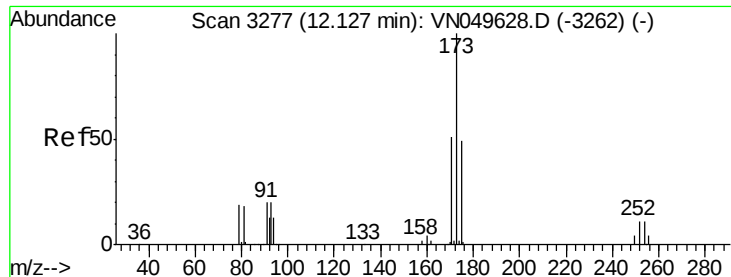
sam  
7/3/2018 3:51:21 PM



#70  
Styrene  
Concen: 57.06 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Tgt Ion:104 Resp: 2628001  
Ion Ratio Lower Upper  
104 100  
78 49.0 39.2 58.8  
103 55.5 44.6 67.0





#71

Bromoform

Concen: 55.93 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

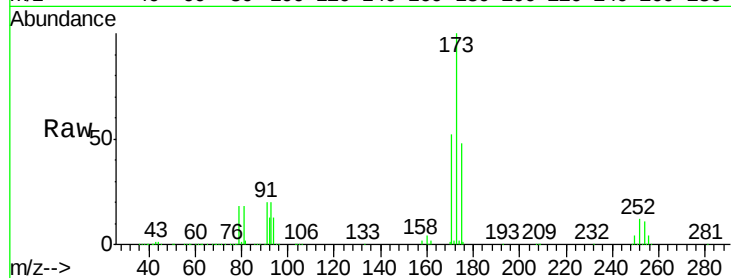
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.7  | 24.6  | 73.8  |
| 254     | 0.1   | 0.2   | 0.2   |

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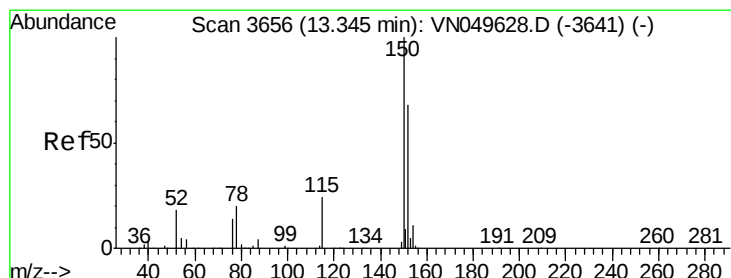
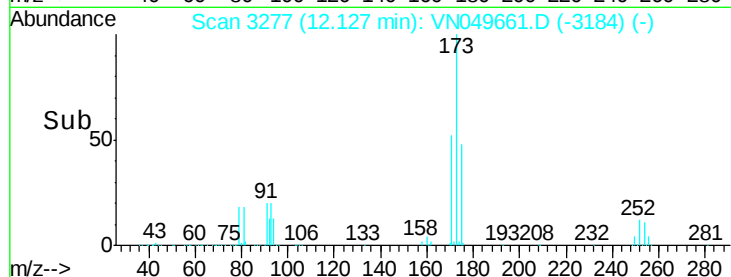
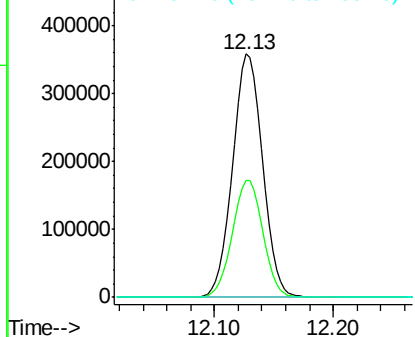


Abundance

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: 50.00 ug/l

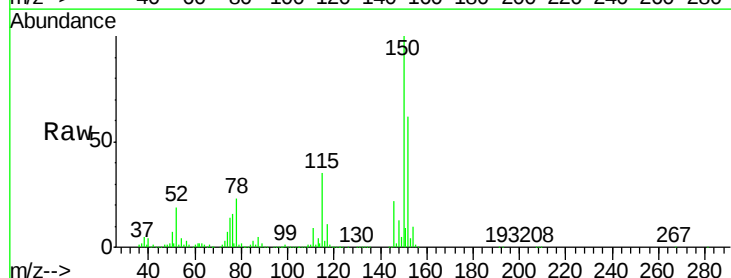
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.5  | 28.1  | 84.2  |
| 150     | 177.0 | 0.0   | 347.6 |

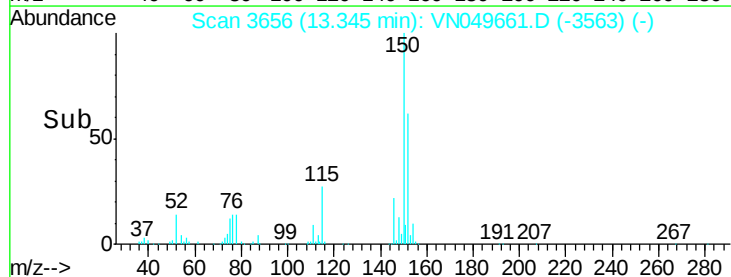
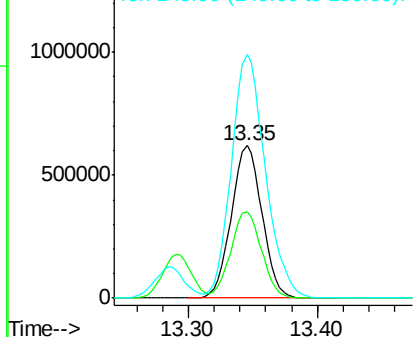


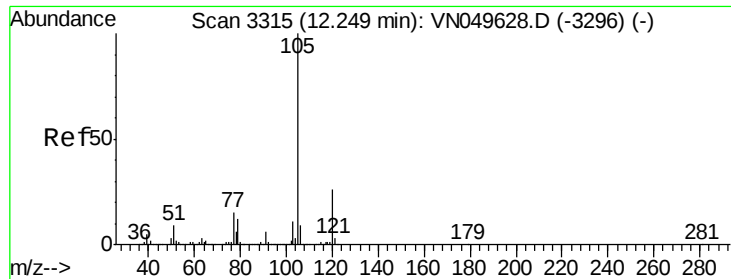
Abundance

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: 52.16 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 4249013

Ion Ratio Lower Upper

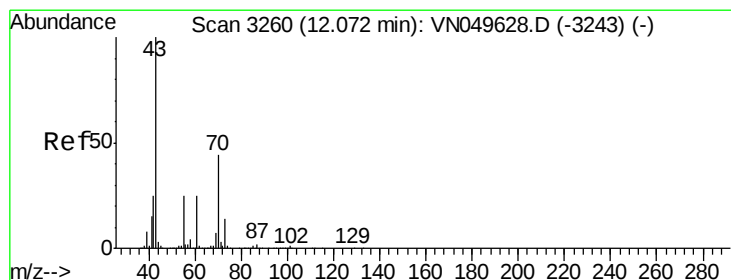
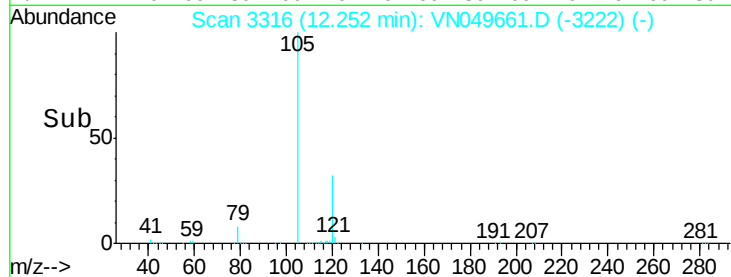
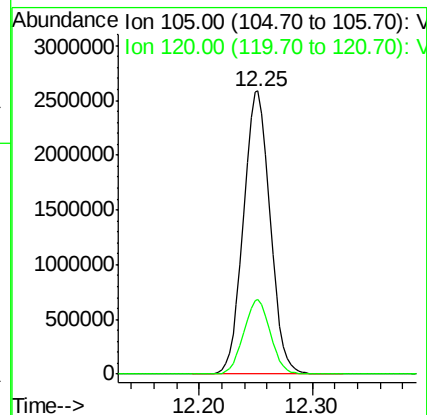
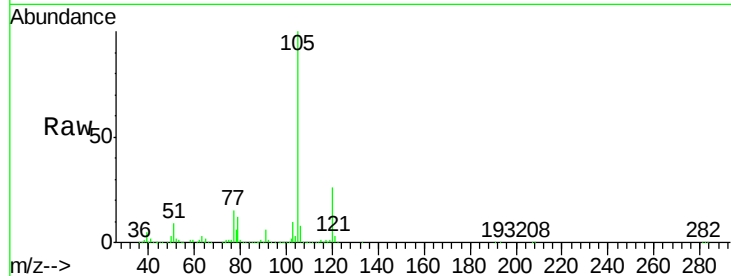
105 100

120 26.3 13.3 39.8

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#74

N-ethyl acetate

Concen: 52.23 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Tgt Ion: 43 Resp: 1162330

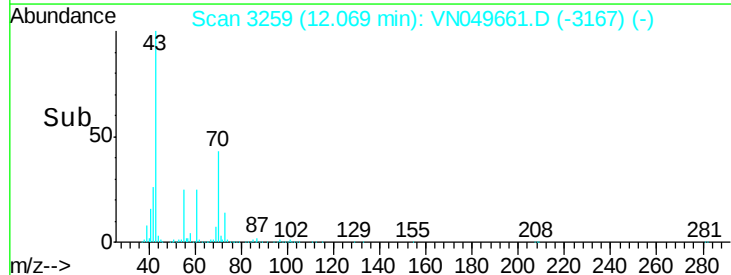
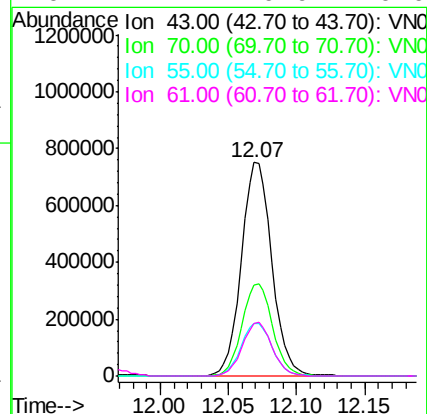
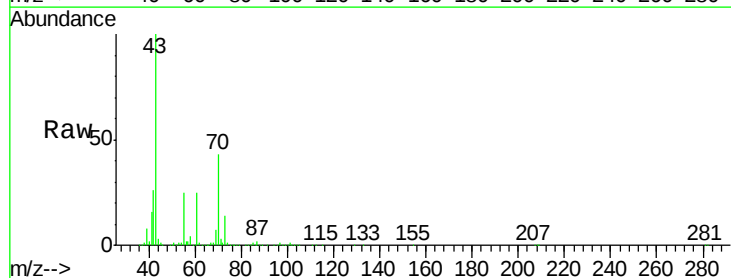
Ion Ratio Lower Upper

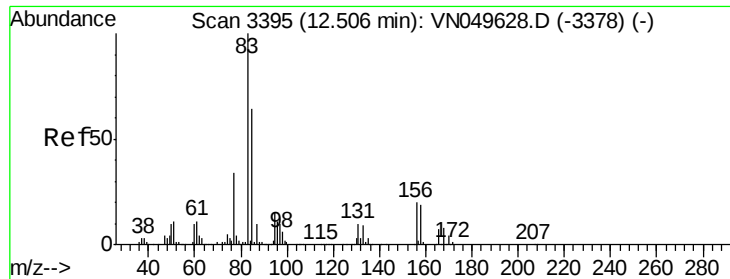
43 100

70 43.6 34.8 52.2

55 25.4 20.9 31.3

61 24.7 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 53.35 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 901081  
Ion Ratio Lower Upper

83 100

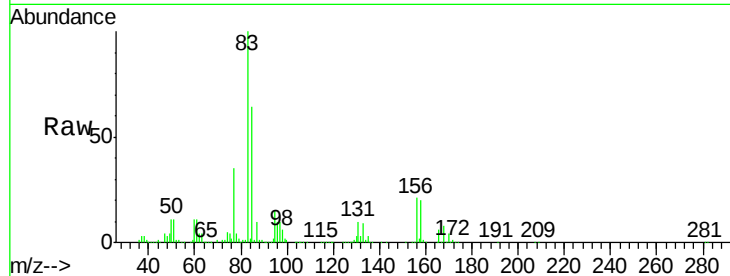
131 10.5 5.2 15.6

85 64.5 32.5 97.4

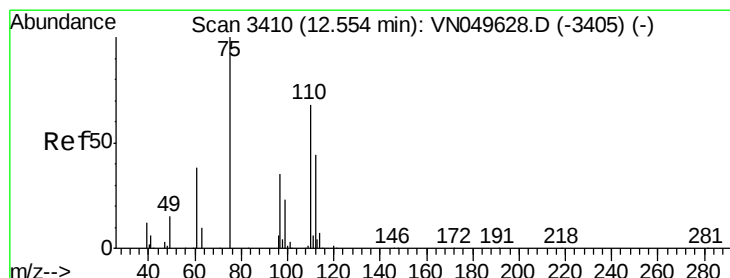
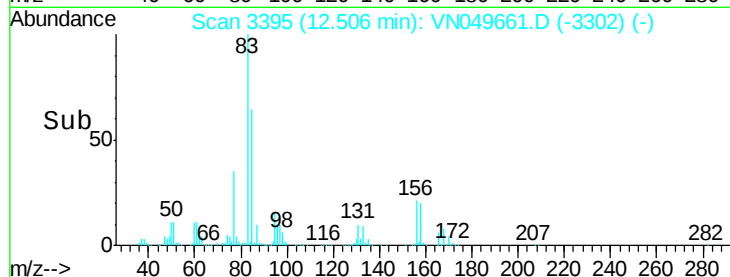
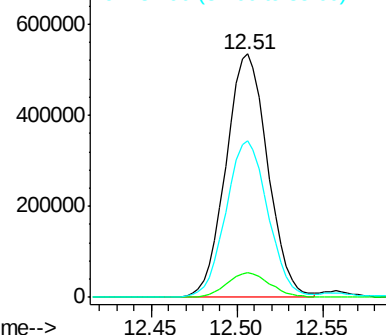
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Abundance Ion 82.90 (82.60 to 83.60): VNC  
Ion 130.80 (130.50 to 131.50): VNC  
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 49.85 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

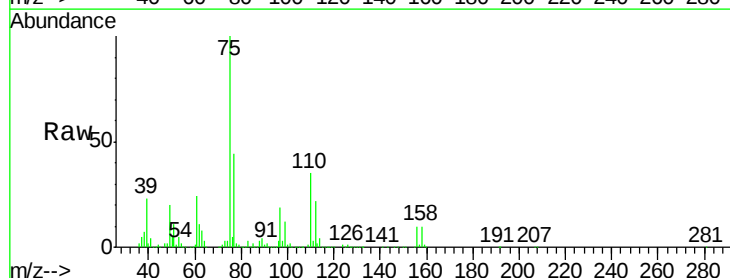
Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

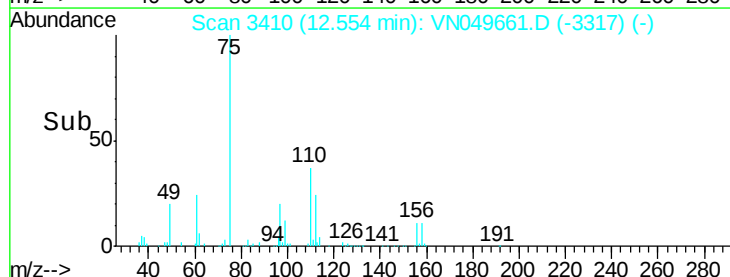
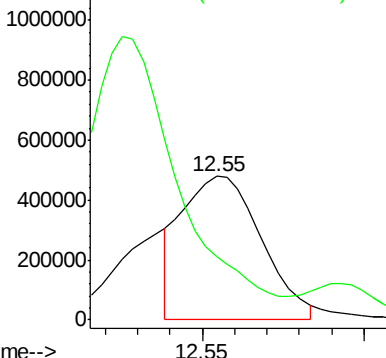
Tgt Ion: 75 Resp: 817721  
Ion Ratio Lower Upper

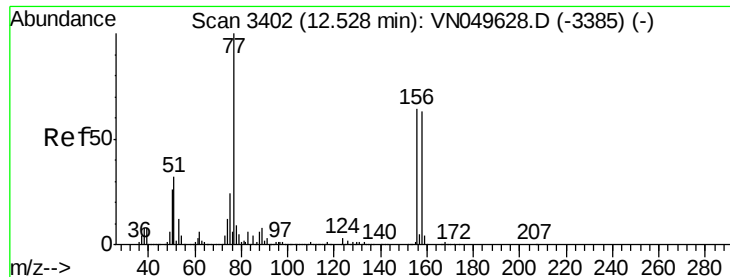
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 48.62 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1077146

Ion Ratio Lower Upper

156 100

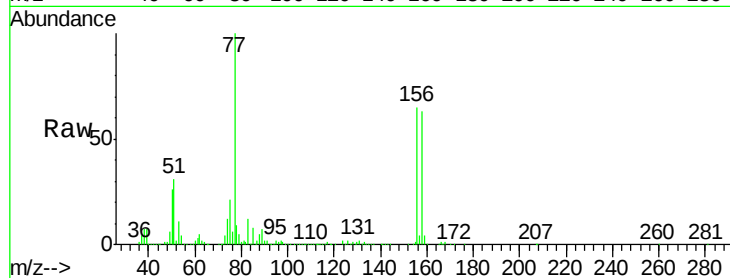
77 178.7 90.2 270.6

158 97.7 49.1 147.3

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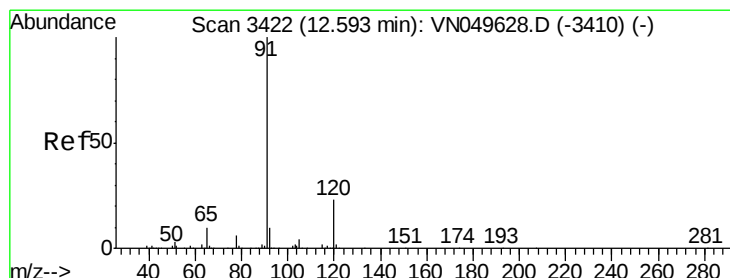
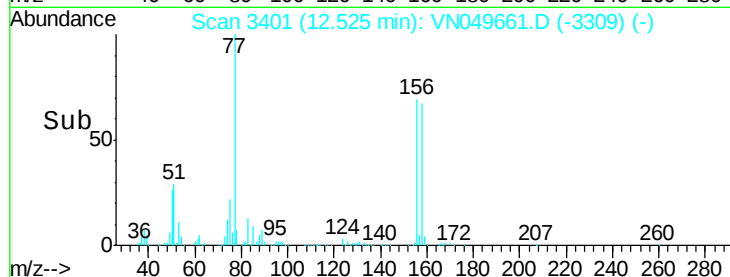
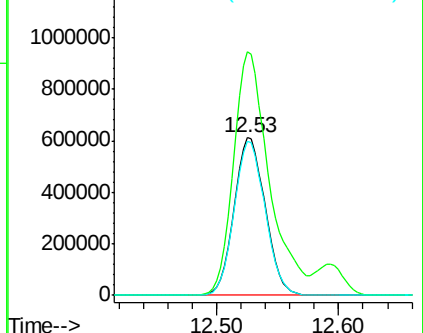
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.81 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049661.D

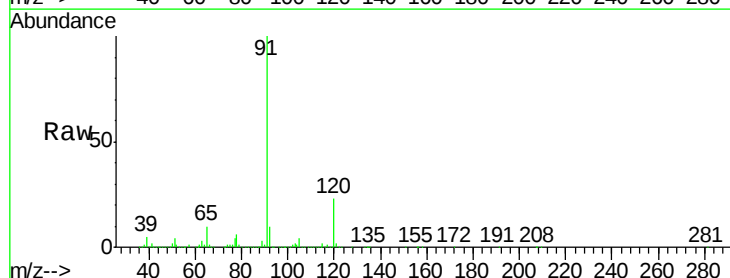
Acq: 2 Jul 2018 11:12

Tgt Ion: 91 Resp: 5023826

Ion Ratio Lower Upper

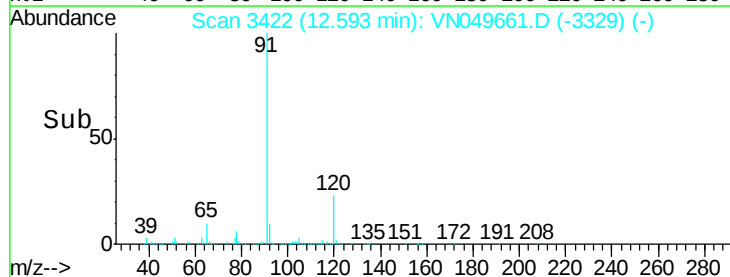
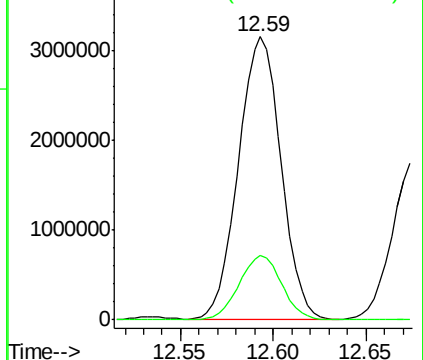
91 100

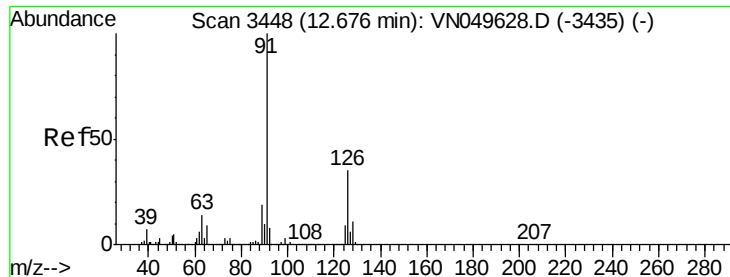
120 22.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.50 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2925051

Ion Ratio Lower Upper

91 100

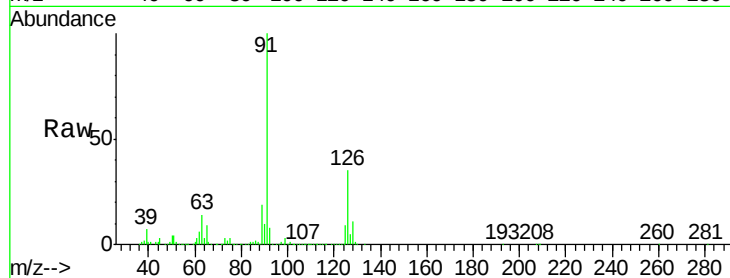
126 35.2 17.5 52.5

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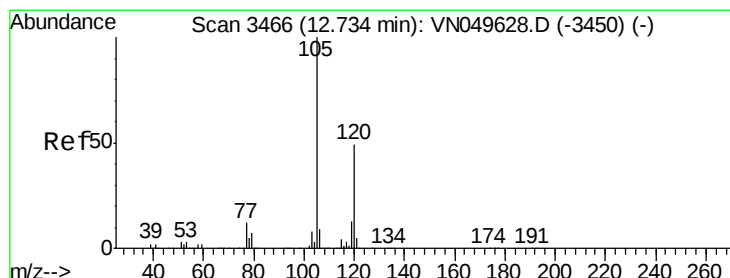
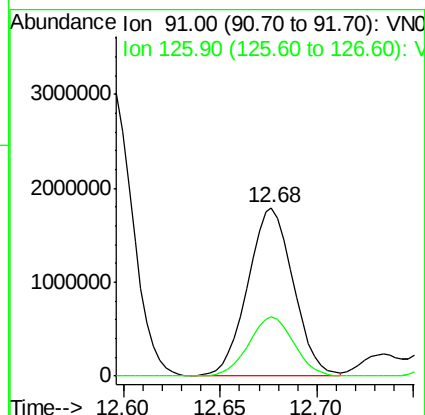
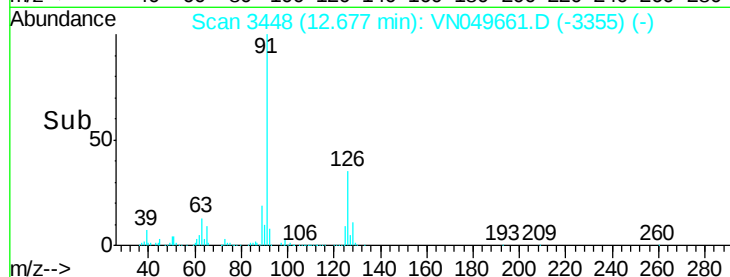
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Abundance Ion 91.00 (90.70 to 91.70): VN049661.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049661.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.92 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049661.D

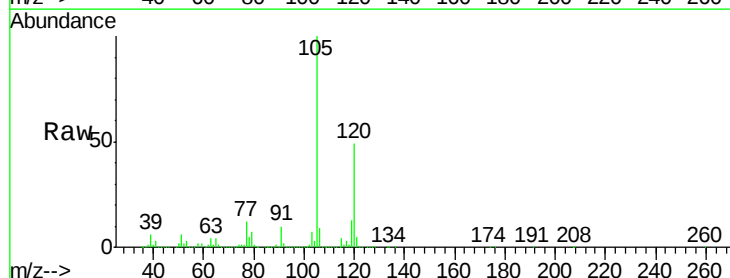
Acq: 2 Jul 2018 11:12

Tgt Ion:105 Resp: 3650363

Ion Ratio Lower Upper

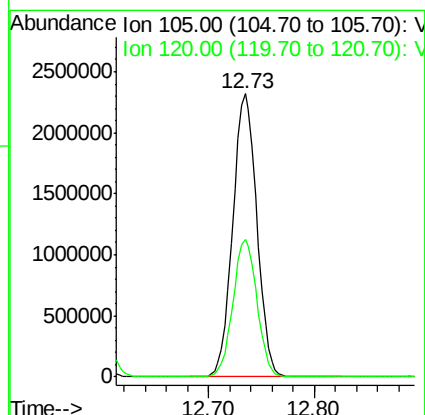
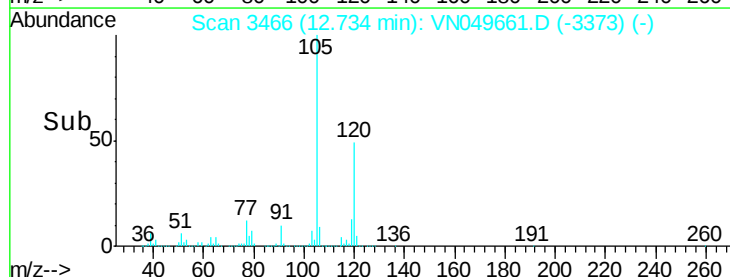
105 100

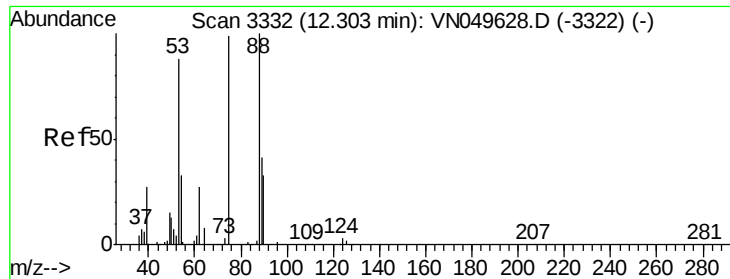
120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049661.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049661.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.48 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

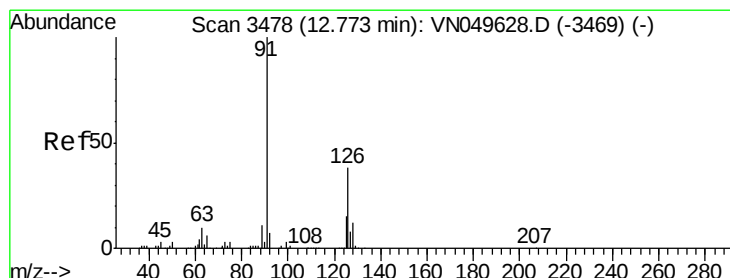
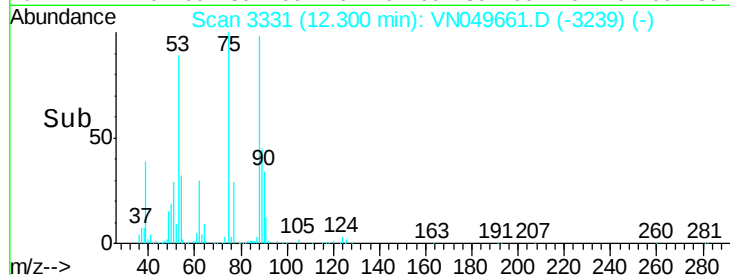
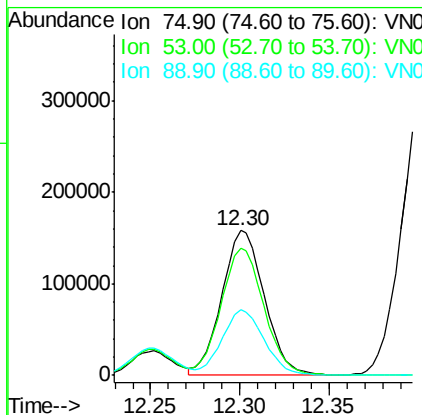
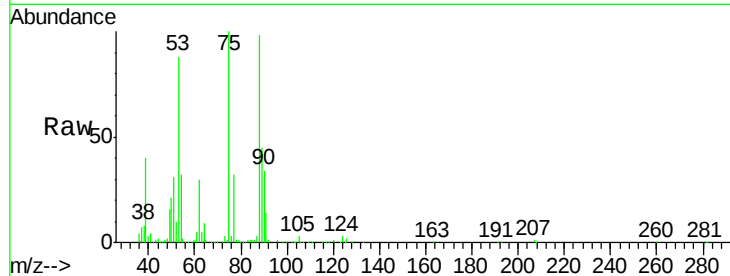
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 75    | Resp: | 258294 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 90.0  | 73.9  | 110.9  |
| 89       | 45.6  | 35.9  | 53.9   |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 51.11 ug/l

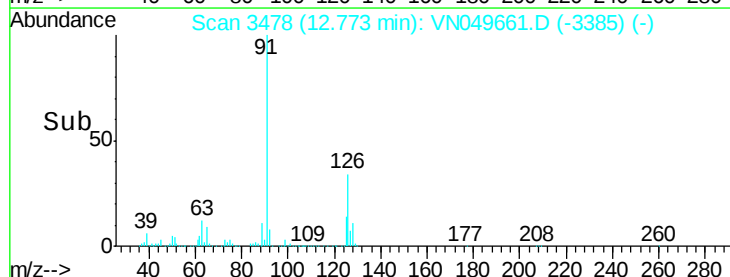
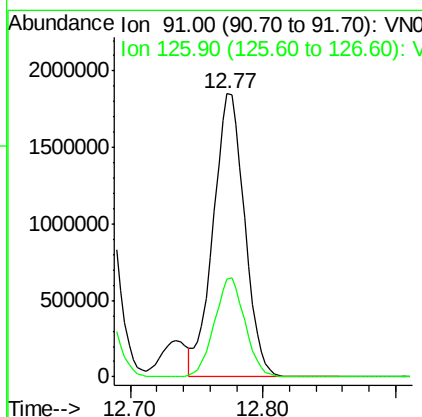
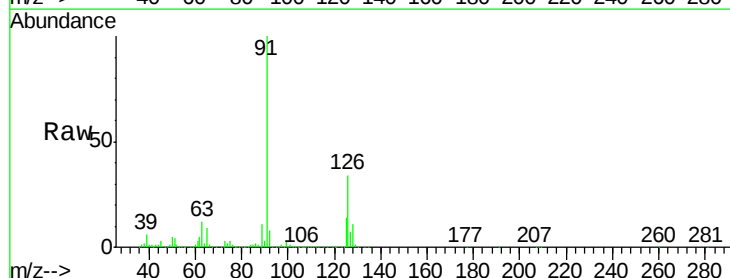
RT: 12.77 min Scan# 3478

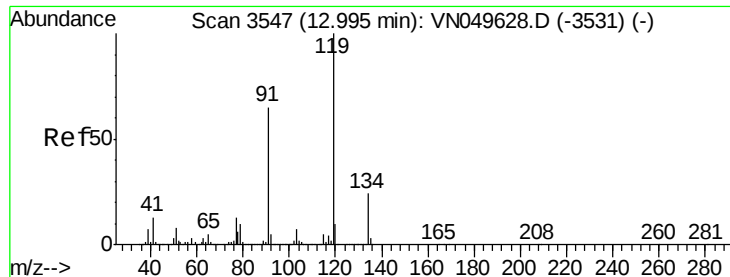
Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 91    | Resp: | 3036495 |
| Ion      | Ratio | Lower | Upper   |
| 91       | 100   |       |         |
| 126      | 34.2  | 17.2  | 51.6    |





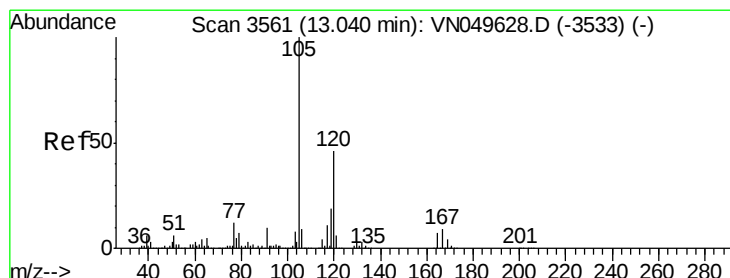
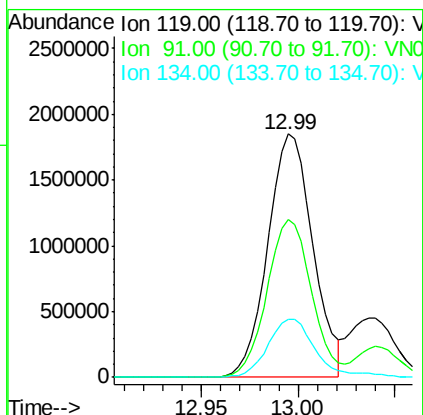
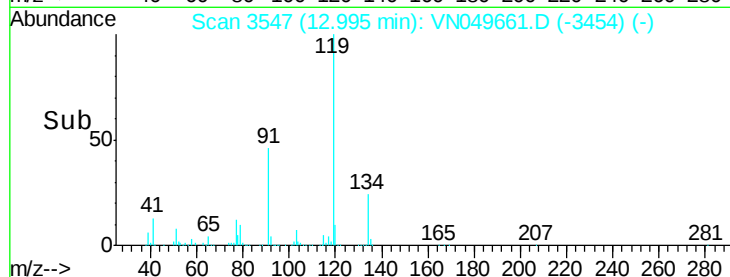
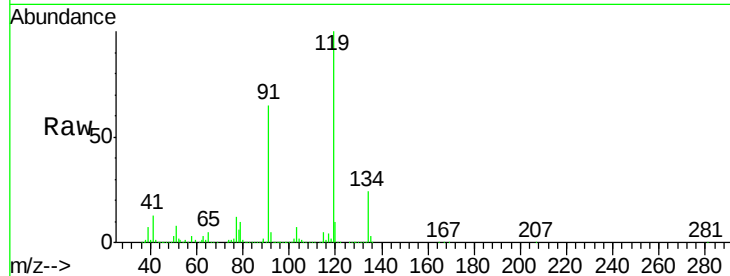
#83  
 tert-Butylbenzene  
 Concen: 51.70 ug/l  
 RT: 12.99 min Scan# 3547  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 64.4  | 32.0  | 96.2  |
| 134     | 25.4  | 12.8  | 38.4  |

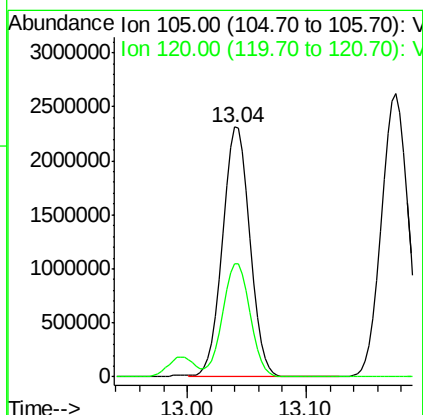
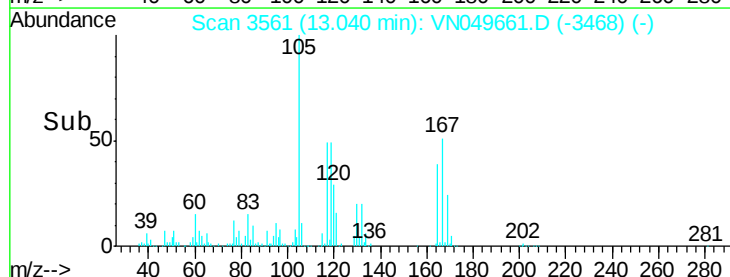
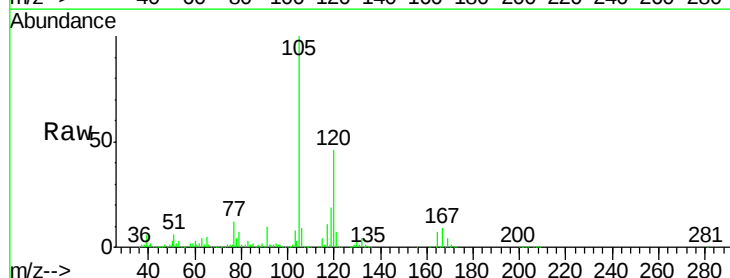
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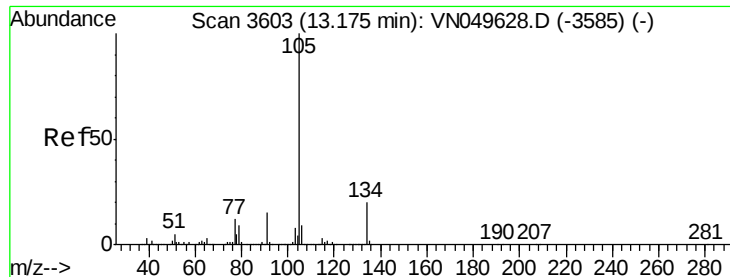
sam  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 52.91 ug/l  
 RT: 13.04 min Scan# 3561  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.6  | 22.7  | 68.1  |





#85

sec-Butylbenzene

Concen: 53.73 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4139998

Ion Ratio Lower Upper

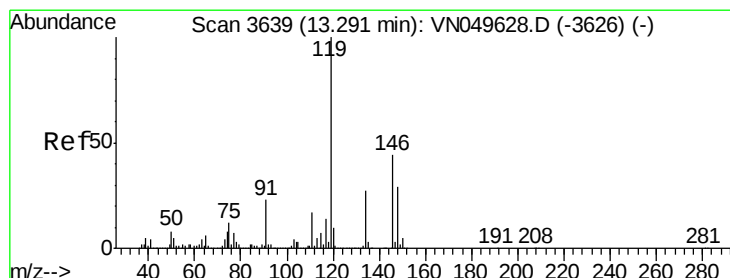
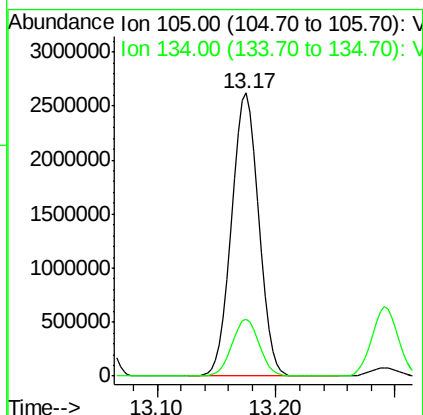
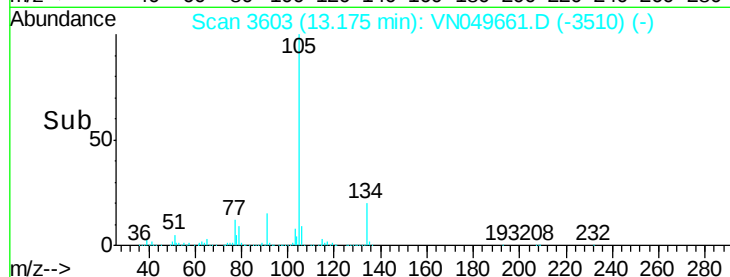
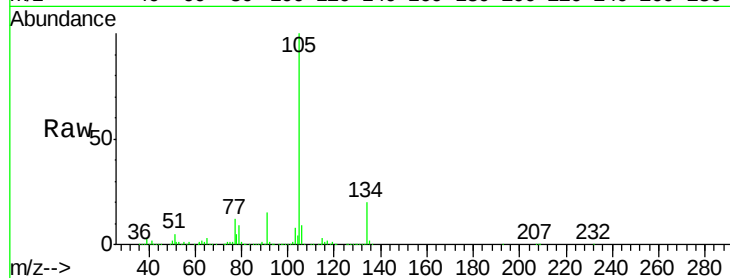
105 100

134 20.3 10.1 30.1

Manual Integrations  
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#86

p-Isopropyltoluene

Concen: 55.65 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

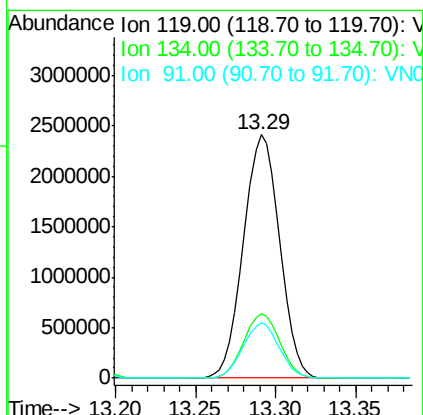
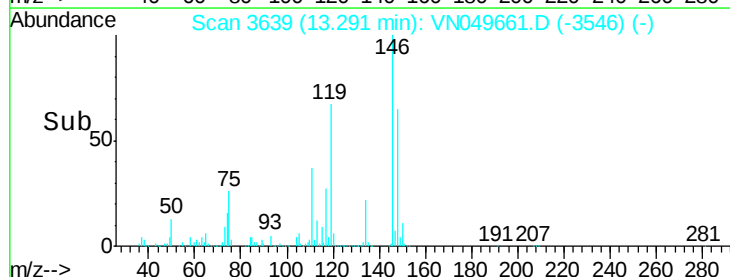
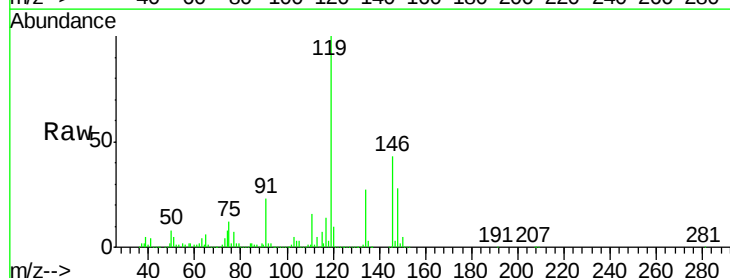
Tgt Ion:119 Resp: 3714274

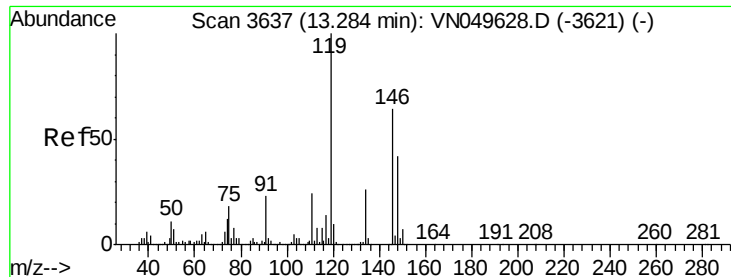
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 22.5 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 52.68 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1975269

Ion Ratio Lower Upper

146 100

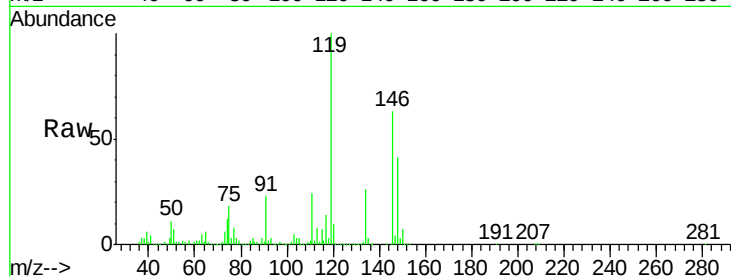
111 38.1 19.0 57.0

148 64.6 32.5 97.5

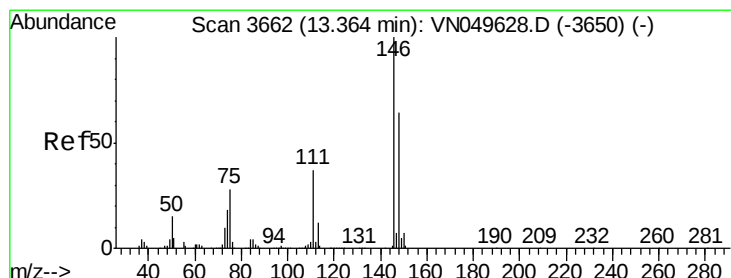
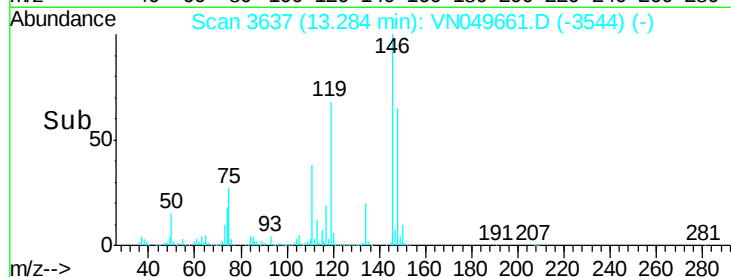
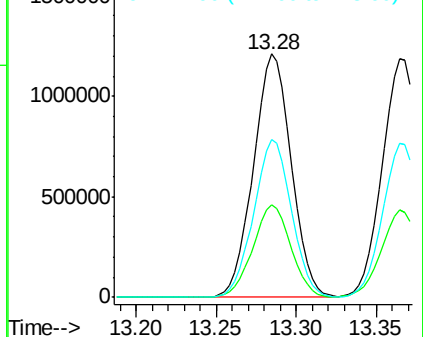
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Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 52.88 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN049661.D

Acq: 2 Jul 2018 11:12

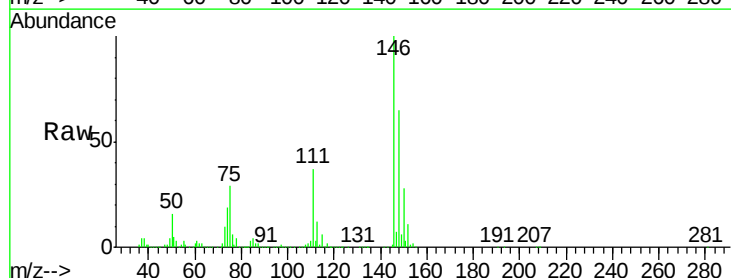
Tgt Ion:146 Resp: 1947666

Ion Ratio Lower Upper

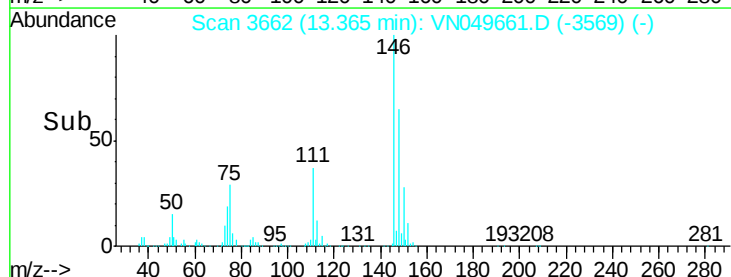
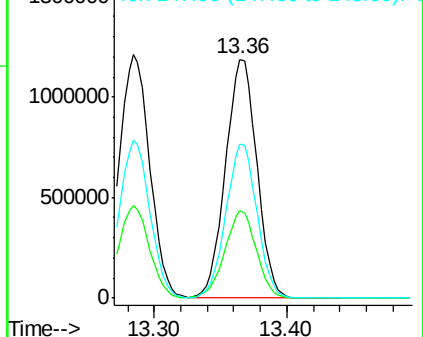
146 100

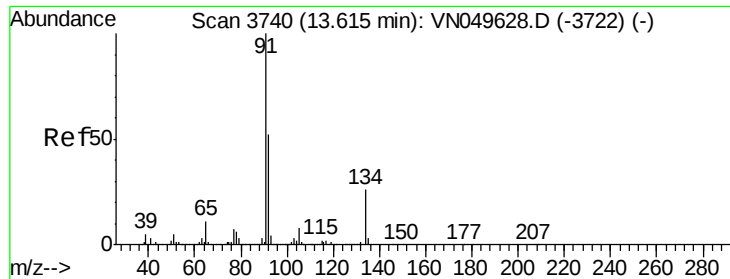
111 36.8 18.9 56.5

148 64.1 32.1 96.3



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





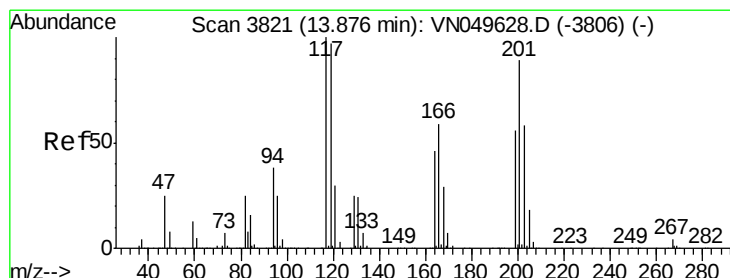
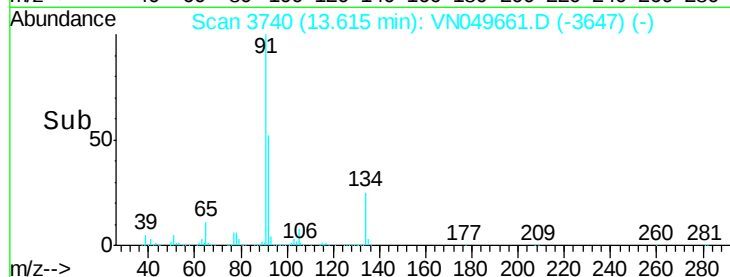
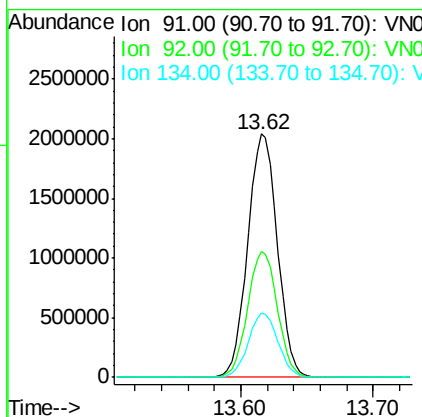
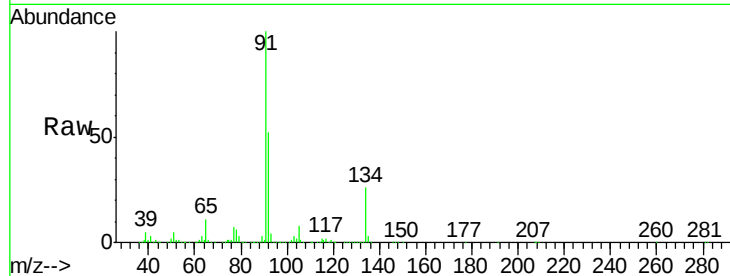
#89  
n-Butylbenzene  
Concen: 55.21 ug/l  
RT: 13.62 min Scan# 3740  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 91      | 91  | 100   |       |       |
| 92      | 92  | 51.9  | 25.8  | 77.3  |
| 134     | 134 | 26.3  | 13.0  | 38.9  |

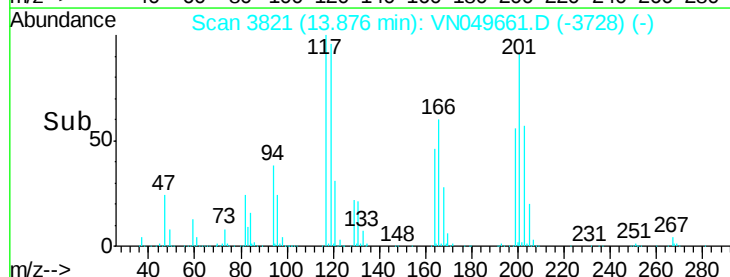
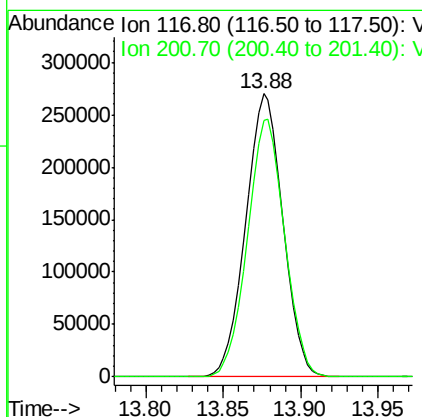
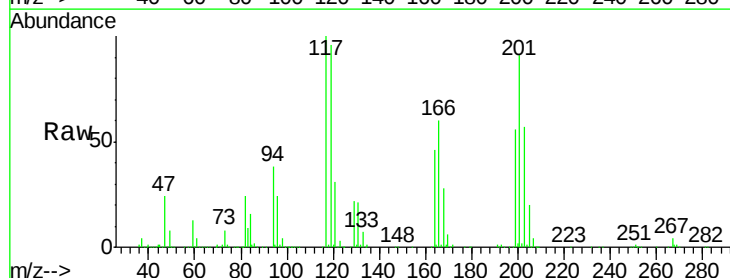
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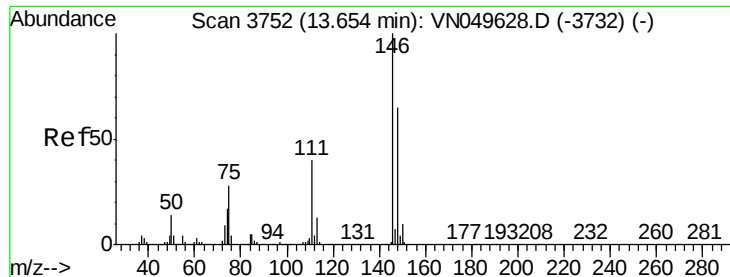
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#90  
Hexachloroethane  
Concen: 64.36 ug/l  
RT: 13.88 min Scan# 3821  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 117     | 117 | 100   |       |       |
| 201     | 201 | 91.0  | 45.3  | 135.8 |





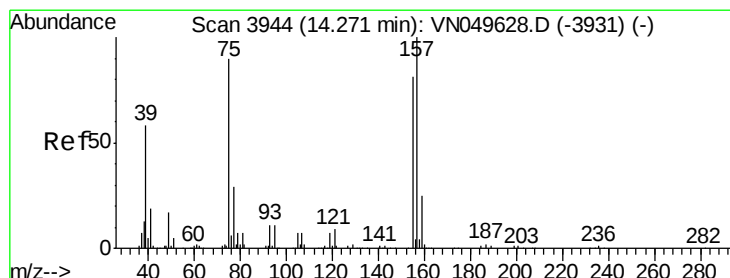
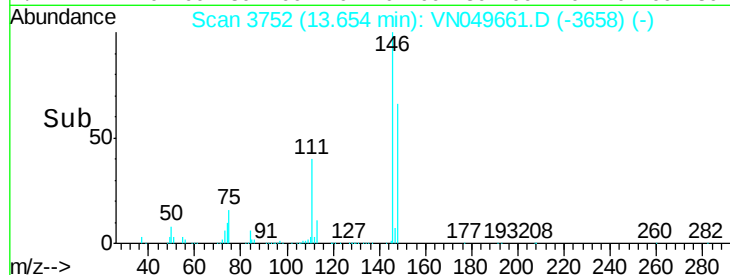
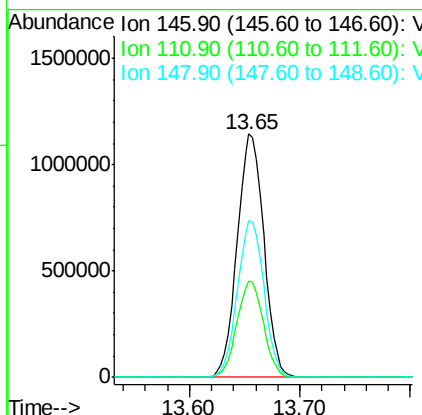
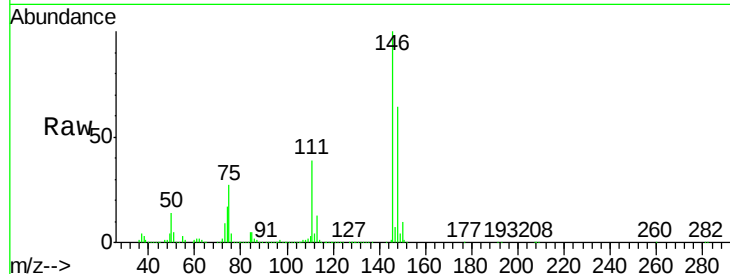
#91  
 1,2-Dichlorobenzene  
 Concen: 53.21 ug/l  
 RT: 13.65 min Scan# 3752  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.4  | 19.7  | 59.1  |
| 148     | 64.3  | 32.0  | 96.2  |

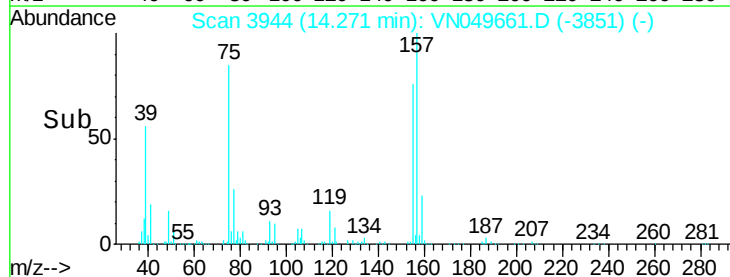
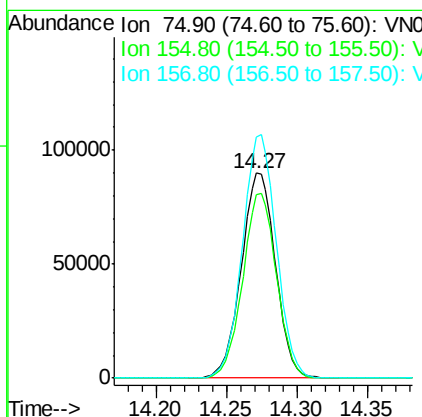
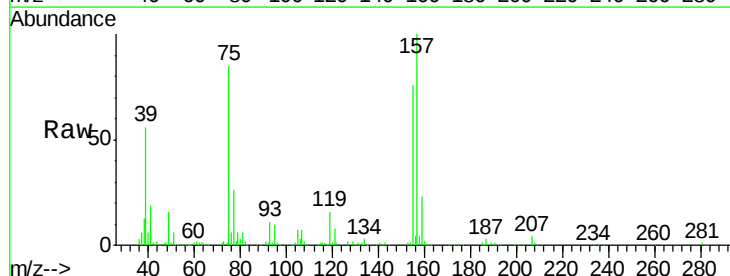
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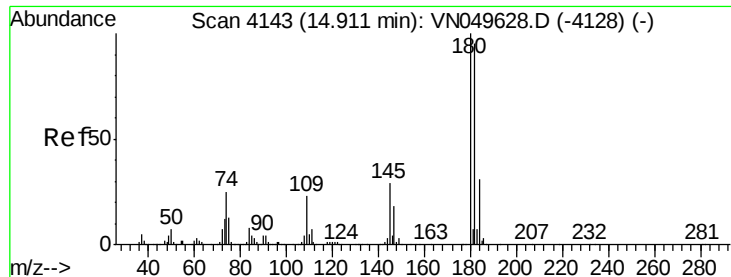
sam  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 54.01 ug/l  
 RT: 14.27 min Scan# 3944  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 88.7  | 45.7  | 137.1 |
| 157     | 117.3 | 56.9  | 170.7 |





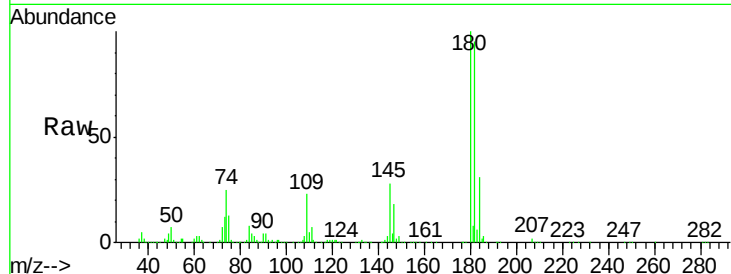
#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.16 ug/l  
 RT: 14.91 min Scan# 4143  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

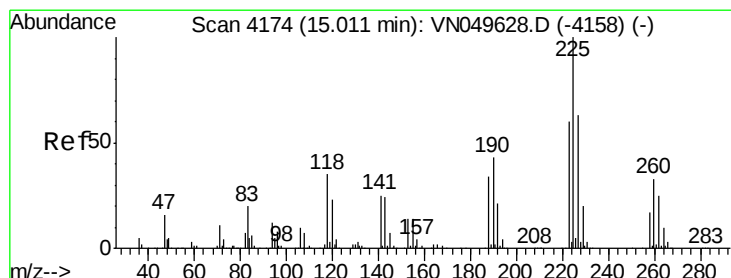
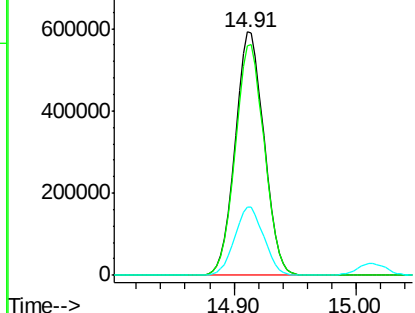
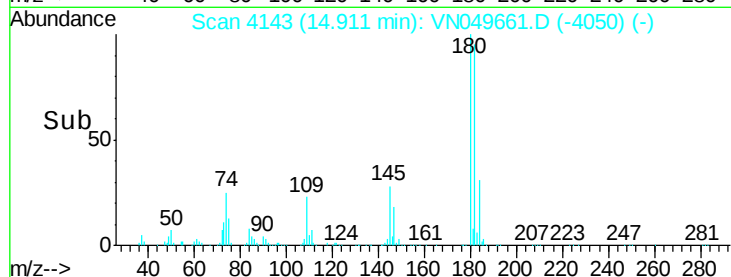
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 965251 |       |       |
| 182     | 95.4  | 47.3   | 141.9 |       |
| 145     | 28.4  | 14.4   | 43.0  |       |

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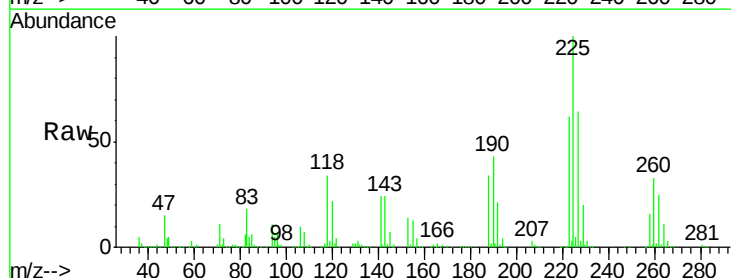


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

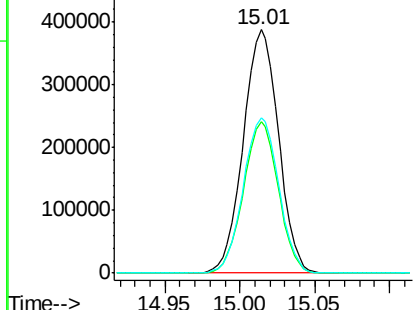
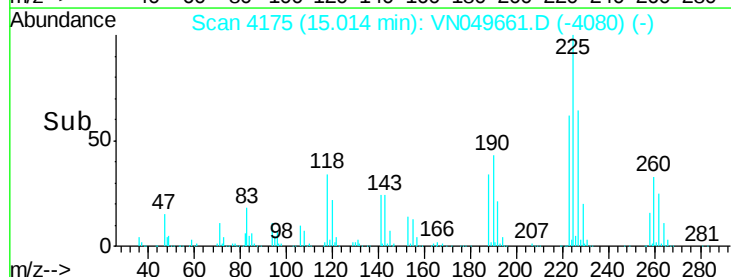


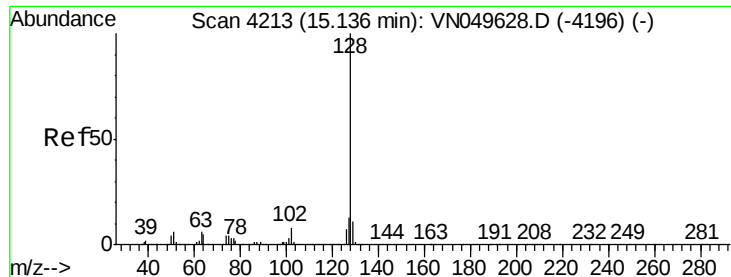
#94  
 Hexachlorobutadiene  
 Concen: 58.94 ug/l  
 RT: 15.01 min Scan# 4175  
 Delta R.T. 0.00 min  
 Lab File: VN049661.D  
 Acq: 2 Jul 2018 11:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 635920 |       |       |
| 223     | 61.6  | 30.9   | 92.7  |       |
| 227     | 64.2  | 31.8   | 95.4  |       |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





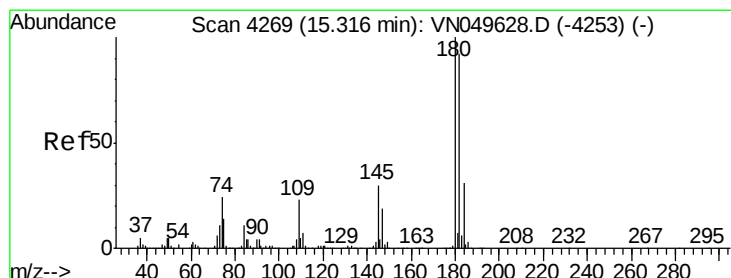
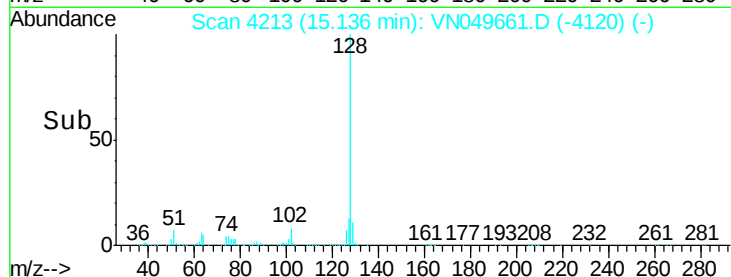
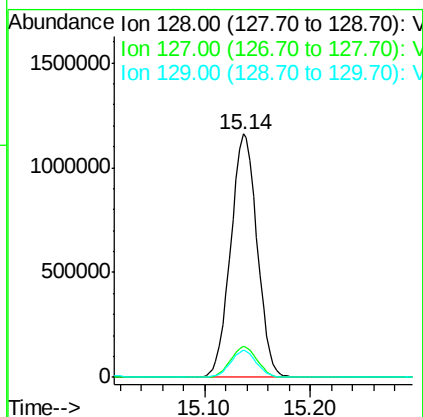
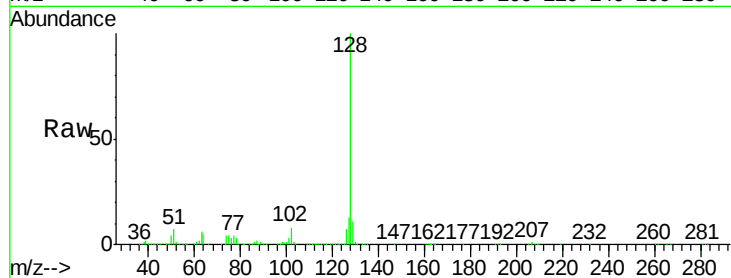
#95  
Naphthalene  
Concen: 48.45 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.8  | 10.4  | 15.6  |
| 129     | 10.9  | 8.6   | 13.0  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 51.64 ug/l  
RT: 15.32 min Scan# 4270  
Delta R.T. 0.00 min  
Lab File: VN049661.D  
Acq: 2 Jul 2018 11:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.2  | 47.4  | 142.2 |
| 145     | 30.7  | 15.2  | 45.6  |

