

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\  
 Data File : VN059295.D  
 Acq On : 18 Nov 2019 19:24  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDADODA  
 11/19/2019 11:03:46 AM

Quant Time: Nov 19 05:24:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 07 04:00:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 388748   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 622796   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 561587   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 270529   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.01   | 65  | 217897   | 45.60 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.20% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 181012   | 48.68 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.36% |      |
| 50) Toluene-d8            | 10.08  | 98  | 674978   | 46.08 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.16% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 260107   | 49.25 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.50% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 172943  | 44.154  | ug/l | 98     |
| 3) Chloromethane              | 2.04 | 50  | 234283  | 44.003  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.17 | 62  | 243472  | 47.167  | ug/l | 100    |
| 5) Bromomethane               | 2.53 | 94  | 124383  | 41.873  | ug/l | 97     |
| 6) Chloroethane               | 2.68 | 64  | 149491  | 48.956  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 2.99 | 101 | 313586  | 50.789  | ug/l | 99     |
| 8) Diethyl Ether              | 3.39 | 74  | 141543  | 56.419  | ug/l | 94     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 192464  | 51.700  | ug/l | 99     |
| 10) Methyl Iodide             | 3.93 | 142 | 230313  | 49.981  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.75 | 59  | 287133  | 315.281 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 3.71 | 96  | 191683  | 52.857  | ug/l | 97     |
| 13) Acrolein                  | 3.58 | 56  | 102693  | 218.706 | ug/l | 98     |
| 14) Allyl chloride            | 4.29 | 41  | 380301  | 51.053  | ug/l | 98     |
| 15) Acrylonitrile             | 4.95 | 53  | 672993  | 296.935 | ug/l | 100    |
| 16) Acetone                   | 3.79 | 43  | 549131  | 220.976 | ug/l | 96     |
| 17) Carbon Disulfide          | 4.03 | 76  | 491720  | 43.680  | ug/l | 99     |
| 18) Methyl Acetate            | 4.29 | 43  | 345202  | 58.524  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.01 | 73  | 738820  | 59.175  | ug/l | 99     |
| 20) Methylene Chloride        | 4.52 | 84  | 234400  | 54.143  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 206604  | 53.076  | ug/l | 96     |
| 22) Diisopropyl ether         | 5.92 | 45  | 776101  | 55.159  | ug/l | 97     |
| 23) Vinyl Acetate             | 5.87 | 43  | 3271942 | 300.048 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 429136  | 54.607  | ug/l | 98     |
| 25) 2-Butanone                | 6.81 | 43  | 902360  | 275.520 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 347157  | 50.520  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 253002  | 56.023  | ug/l | 96     |
| 28) Bromochloromethane        | 7.17 | 49  | 112315  | 47.504  | ug/l | 95     |
| 29) Tetrahydrofuran           | 7.19 | 42  | 593586  | 285.240 | ug/l | 96     |
| 30) Chloroform                | 7.35 | 83  | 421215  | 55.875  | ug/l | 100    |
| 31) Cyclohexane               | 7.63 | 56  | 349314  | 46.953  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 351901  | 55.522  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 302404  | 51.948  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.91 | 43  | 363887  | 56.190  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 303680  | 52.412  | ug/l | 98     |

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Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDADODA  
 11/19/2019 11:03:46 AM

Quant Time: Nov 19 05:24:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 07 04:00:41 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| -----                          |       |      |          |          |        |          |
| 39) Methylcyclohexane          | 9.07  | 83   | 345436   | 51.129   | ug/l   | 98       |
| 40) Benzene                    | 8.02  | 78   | 943654   | 53.831   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.15  | 41   | 150414m  | 53.413   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 320840   | 53.364   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.15  | 43   | 579036   | 56.084   | ug/l   | 98       |
| 44) Trichloroethene            | 8.82  | 130  | 230989   | 53.604   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 261252   | 54.868   | ug/l   | 100      |
| 46) Dibromomethane             | 9.19  | 93   | 161798   | 54.531   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.39  | 83   | 332379   | 56.099   | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.18  | 41   | 262646   | 56.873   | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 99130    | 1207.865 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 1811105  | 310.023  | ug/l   | 98       |
| 52) Toluene                    | 10.15 | 92   | 582543   | 55.443   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 376639   | 55.023   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 412589   | 56.034   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 238710   | 56.137   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 392246   | 55.107   | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 410943   | 56.150   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 703219   | 297.155  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.74 | 43   | 1341250  | 299.127  | ug/l   | 97       |
| 60) Dibromochloromethane       | 10.90 | 129  | 256988   | 57.161   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 243466   | 56.559   | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 198013   | 51.853   | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 614500   | 56.131   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 232907   | 56.714   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1116013  | 57.457   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 829104   | 113.954  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 406572   | 57.823   | ug/l   | 97       |
| 70) Styrene                    | 11.96 | 104  | 673724   | 60.925   | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 187457   | 58.684   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1093532  | 55.570   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 484385   | 58.090   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 374115   | 55.826   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 329237m  | 53.456   | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 260946   | 52.780   | ug/l   | 100      |
| 78) n-propylbenzene            | 12.59 | 91   | 1269907  | 56.361   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 764269   | 54.678   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 927563   | 55.628   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 131182   | 56.257   | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 771930   | 55.062   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 812911   | 56.453   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 925815   | 57.388   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1068951  | 57.079   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 963332   | 58.257   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 464756   | 54.895   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 460853   | 54.406   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 834365   | 57.650   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 173873   | 52.365   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 463356   | 55.636   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 76877    | 57.496   | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Thu Nov 07 04:00:41 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 261220   | 51.594 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 155091   | 54.008 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 754483   | 53.587 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 260869   | 55.892 | ug/l  | 99       |

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

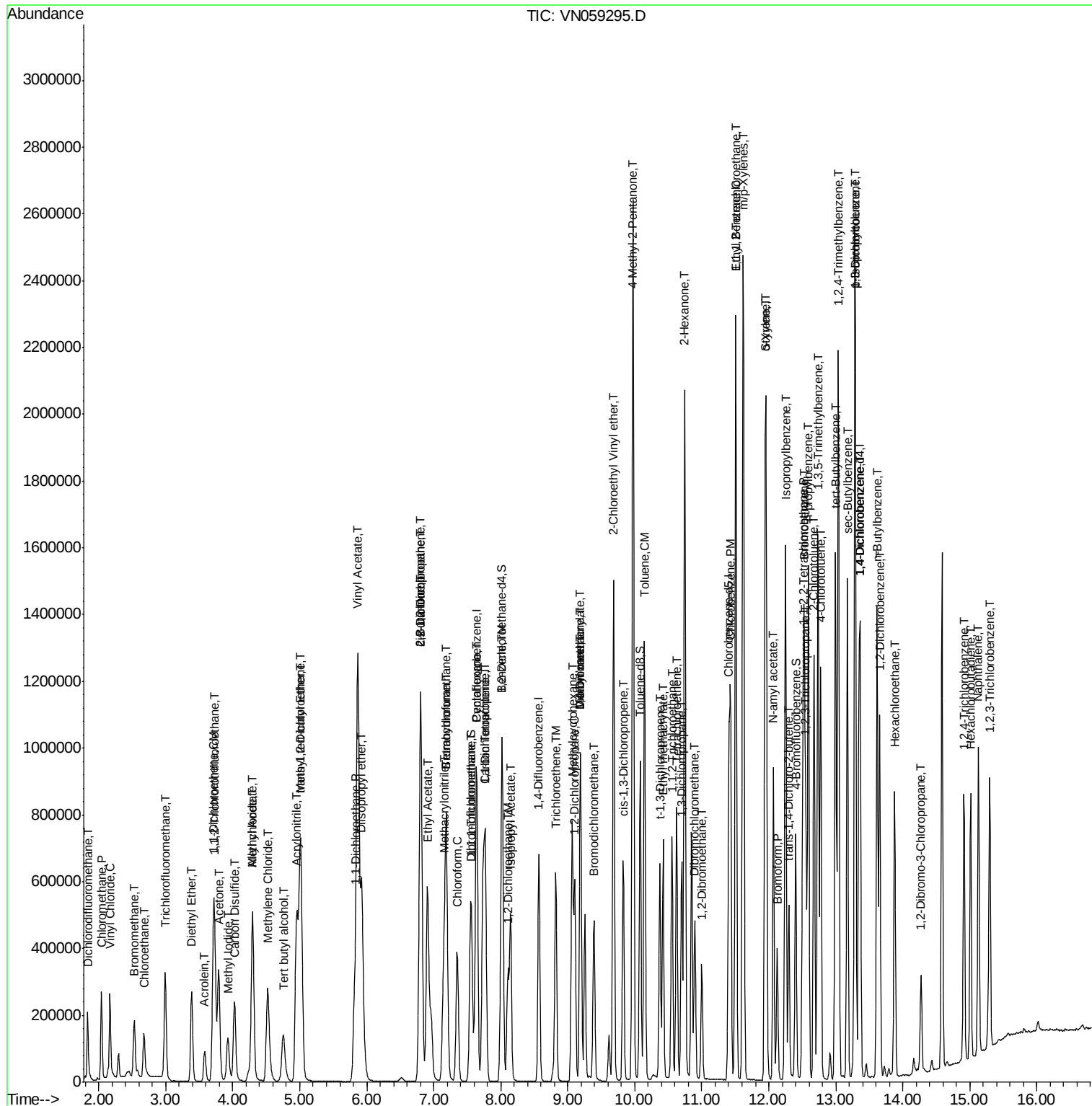
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Data File : VN059295.D  
Acq On : 18 Nov 2019 19:24  
Operator : JC/SP  
Sample : VSTDCCC050  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 388748

Ion Ratio Lower Upper

168 100

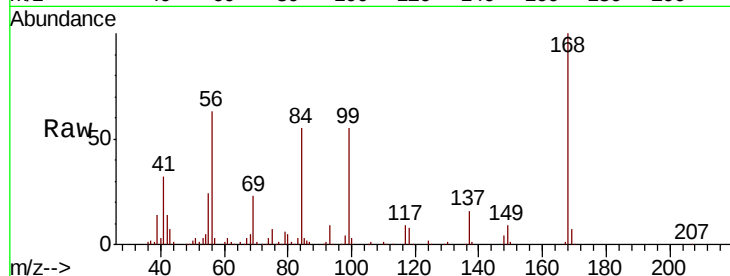
99 54.7 45.7 68.5

Manual Integrations

APPROVED

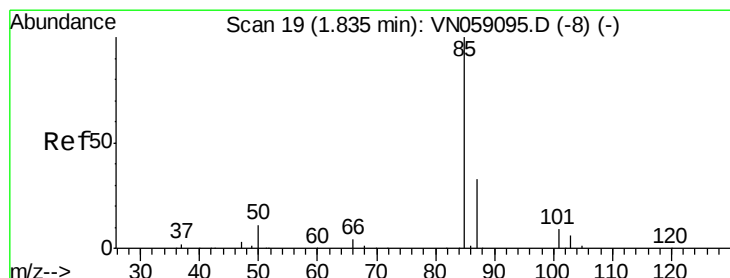
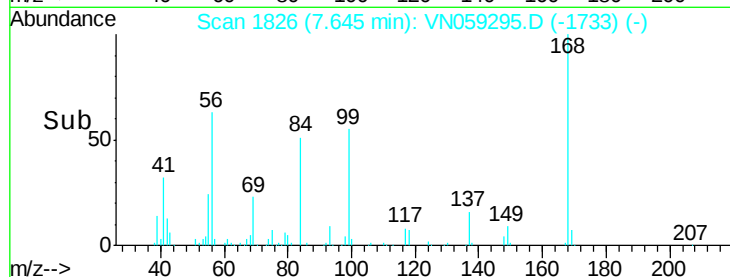
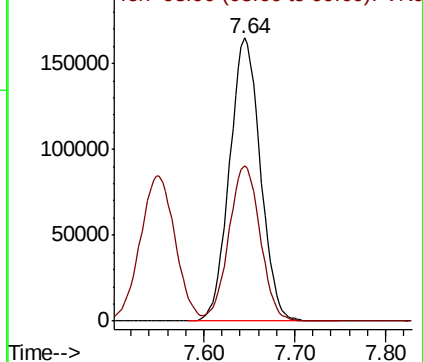
MMDADODA

11/19/2019 11:03:46 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.154 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059295.D

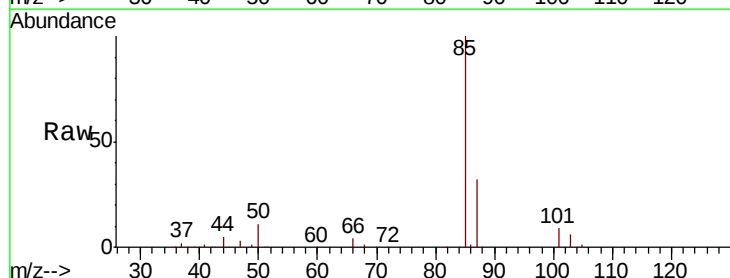
Acq: 18 Nov 2019 19:24

Tgt Ion: 85 Resp: 172943

Ion Ratio Lower Upper

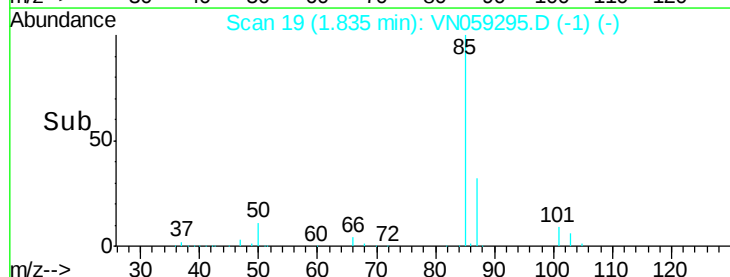
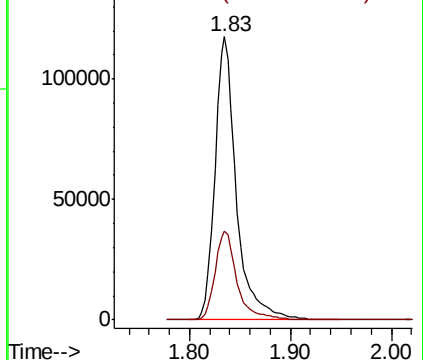
85 100

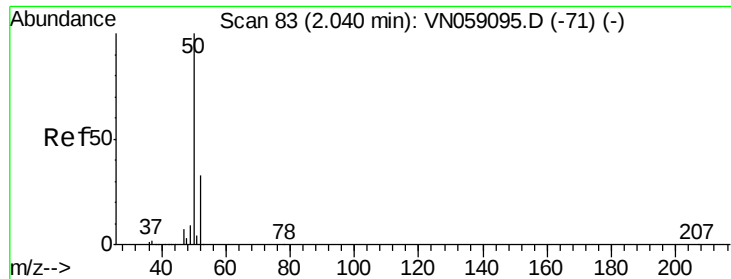
87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.003 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 234283

Ion Ratio Lower Upper

50 100

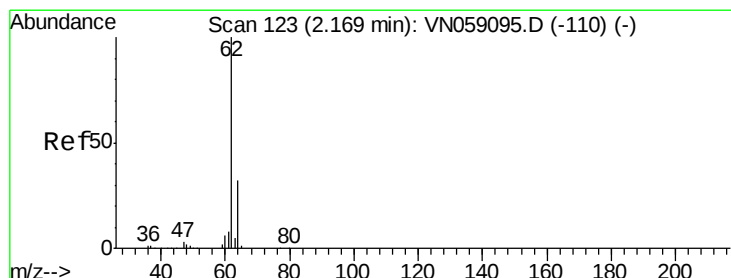
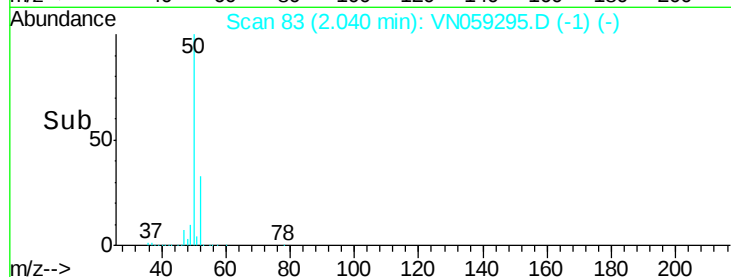
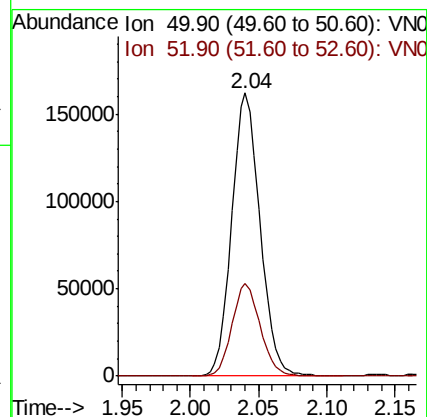
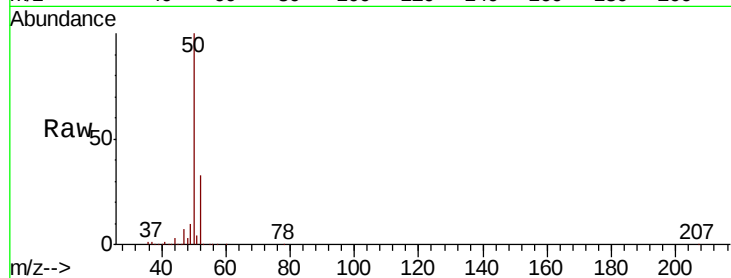
52 32.7 26.0 39.0

Manual Integrations

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11/19/2019 11:03:46 AM



#4

Vinyl Chloride

Concen: 47.167 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059295.D

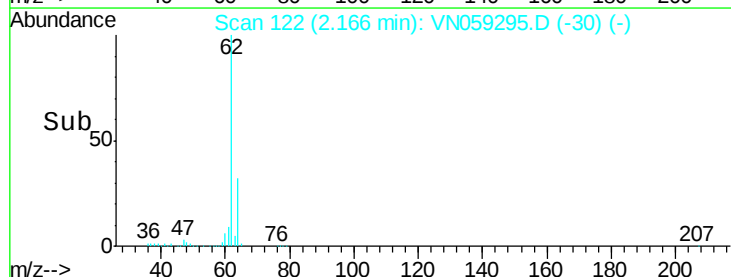
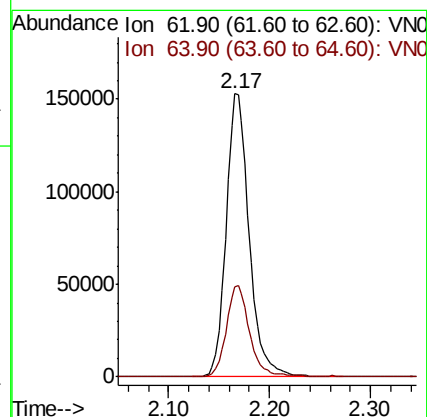
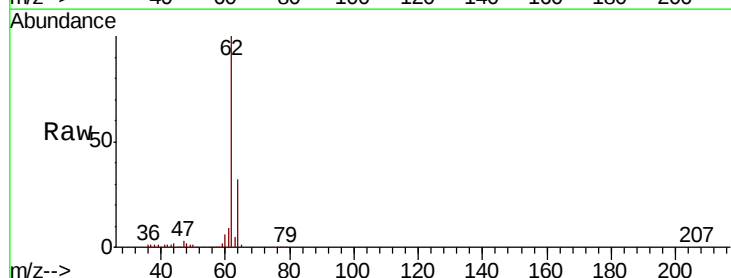
Acq: 18 Nov 2019 19:24

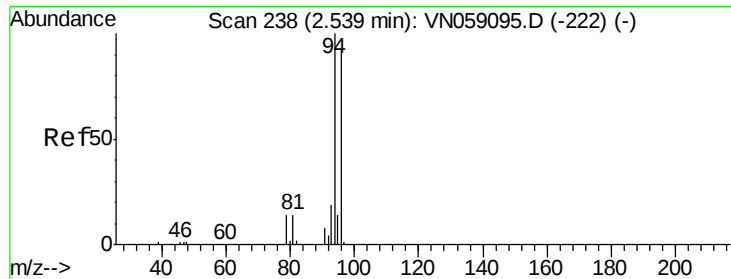
Tgt Ion: 62 Resp: 243472

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 41.873 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 124383

Ion Ratio Lower Upper

94 100

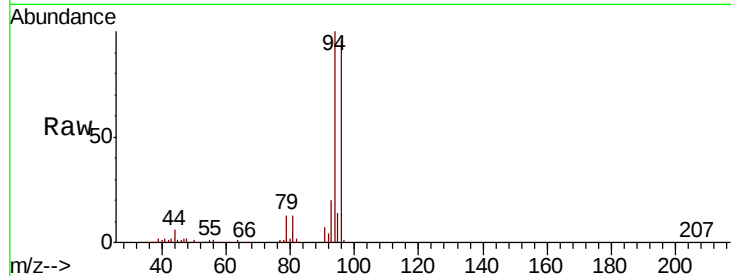
96 95.5 74.2 111.2

Manual Integrations

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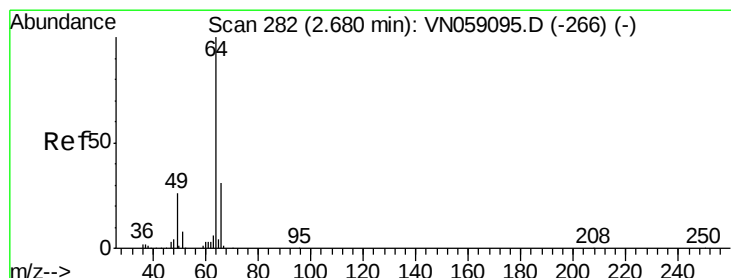
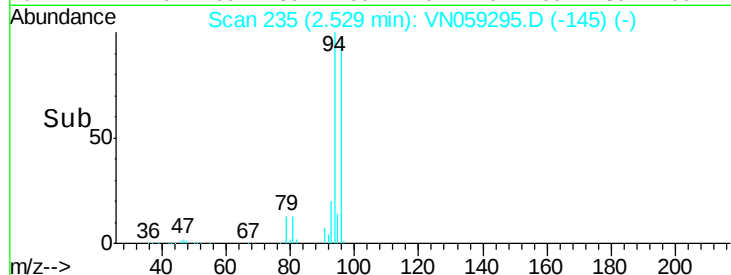
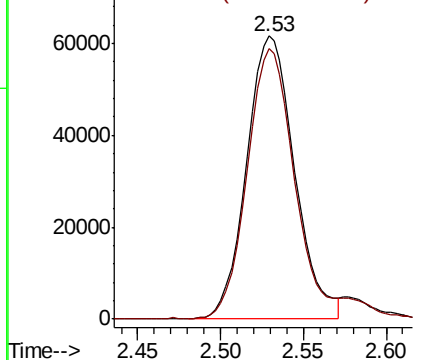
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11/19/2019 11:03:46 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.956 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059295.D

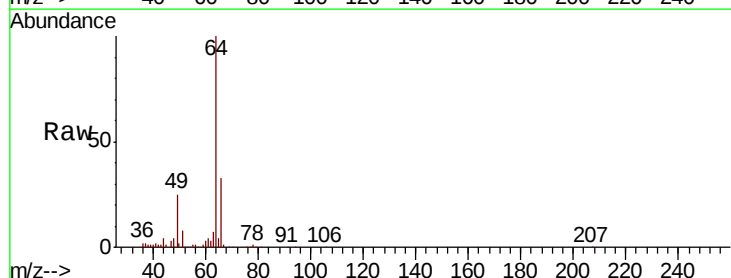
Acq: 18 Nov 2019 19:24

Tgt Ion: 64 Resp: 149491

Ion Ratio Lower Upper

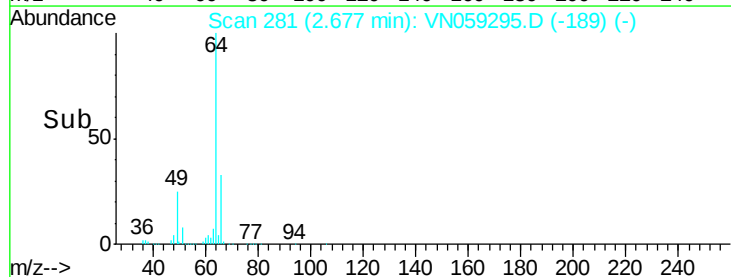
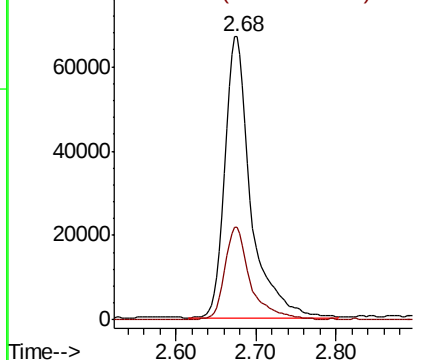
64 100

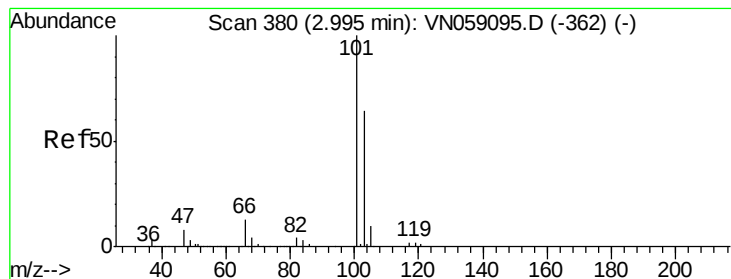
66 32.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

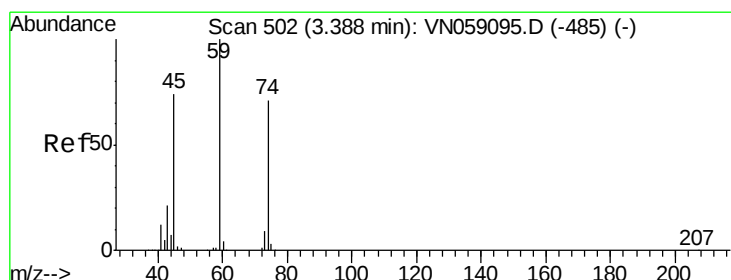
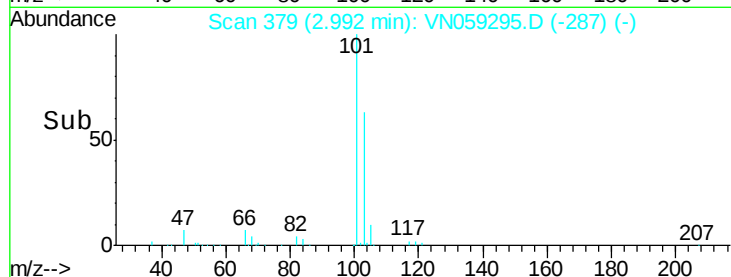
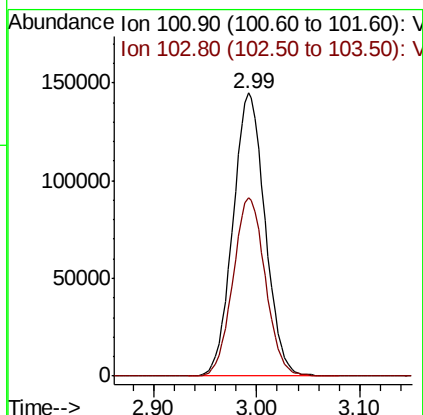
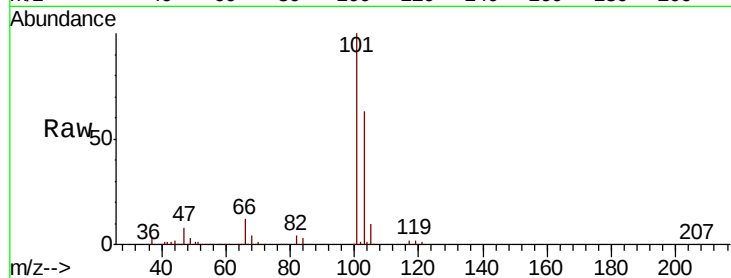
Trichlorofluoromethane  
 Concen: 50.789 ug/l  
 RT: 2.99 min Scan# 379  
 Delta R.T. -0.00 min  
 Lab File: VN059295.D  
 Acq: 18 Nov 2019 19:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.1  | 51.2  | 76.8  |

Manual Integrations  
 APPROVED

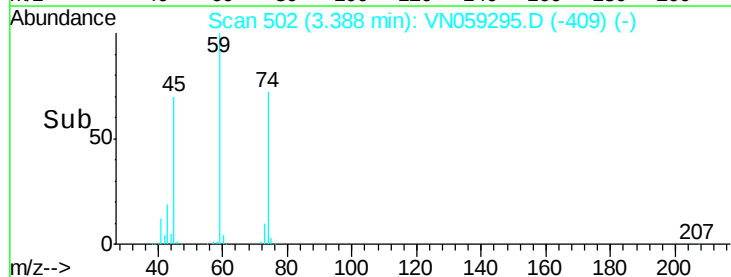
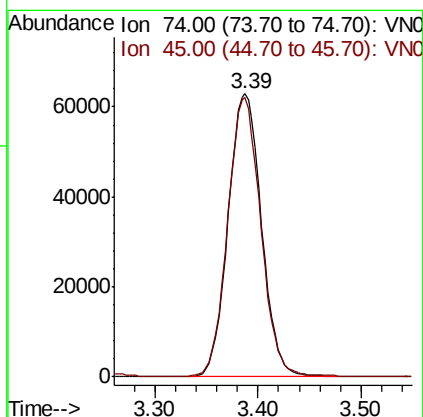
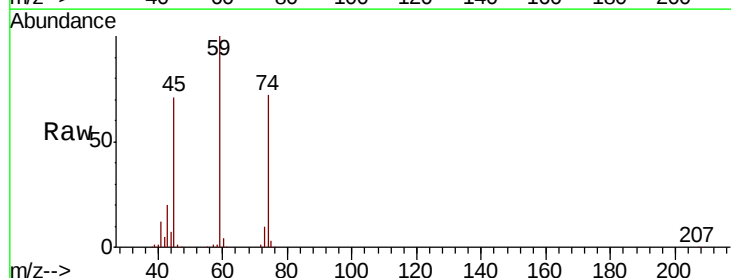
MMDADODA  
 11/19/2019 11:03:46 AM

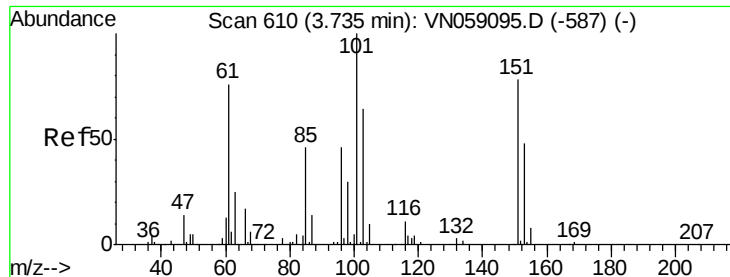


#8

Diethyl Ether  
 Concen: 56.419 ug/l  
 RT: 3.39 min Scan# 502  
 Delta R.T. -0.00 min  
 Lab File: VN059295.D  
 Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 97.1  | 51.6  | 154.9 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.700 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

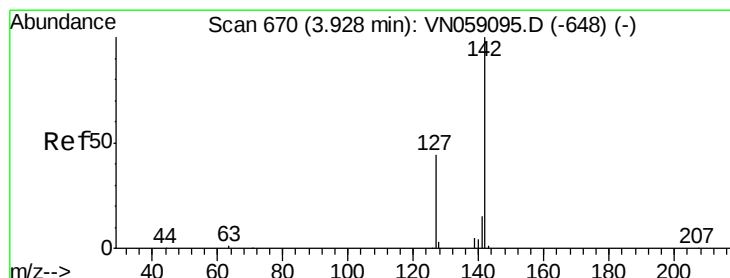
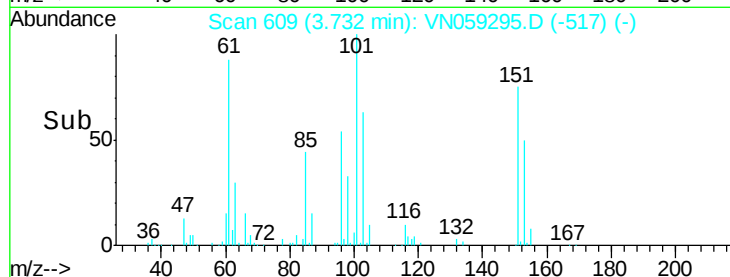
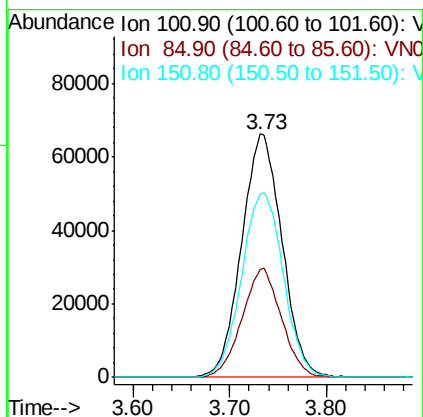
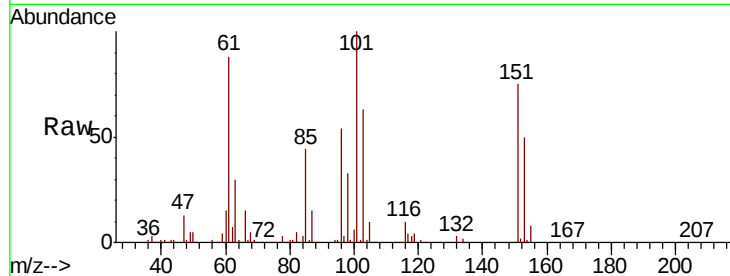
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 192464 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.6  | 35.5  | 53.3   |
| 151       | 78.4  | 62.2  | 93.2   |

Manual Integrations  
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11/19/2019 11:03:46 AM



#10

Methyl Iodide

Concen: 49.981 ug/l

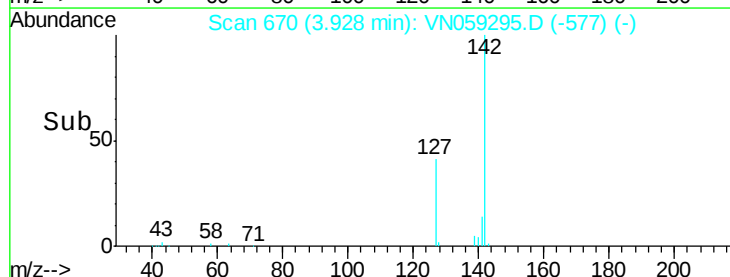
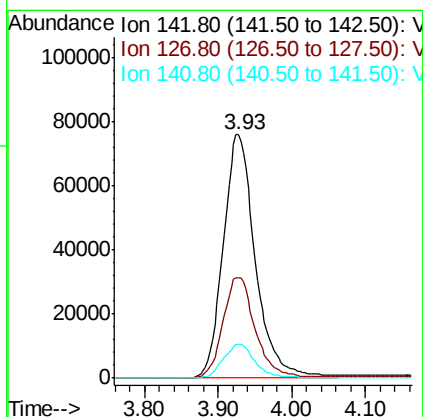
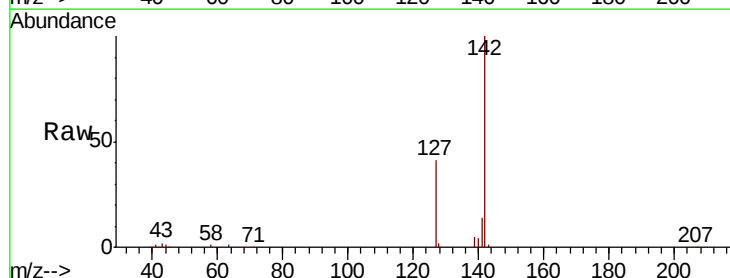
RT: 3.93 min Scan# 670

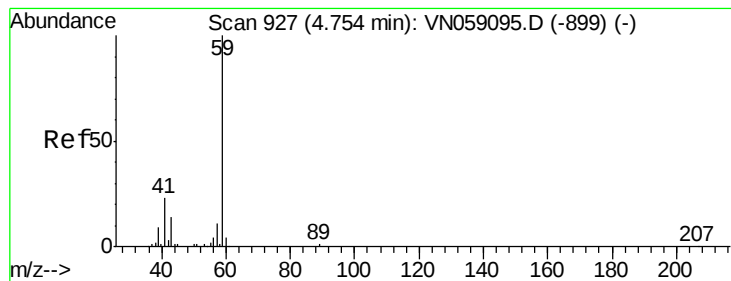
Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 230313 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.7  | 34.2  | 51.2   |
| 141       | 13.8  | 11.4  | 17.0   |





#11

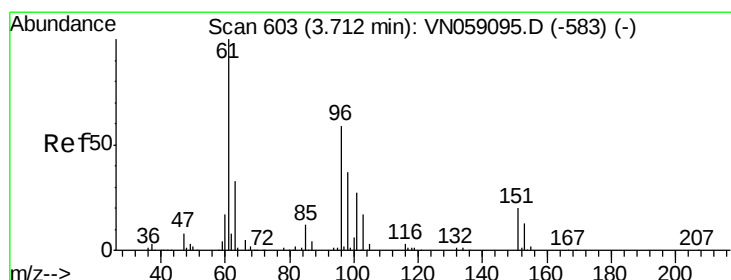
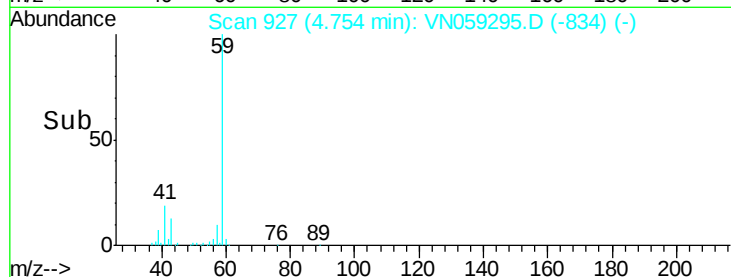
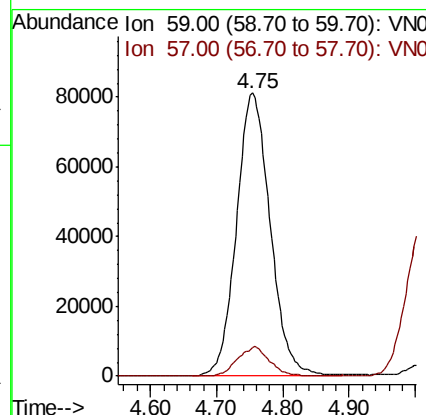
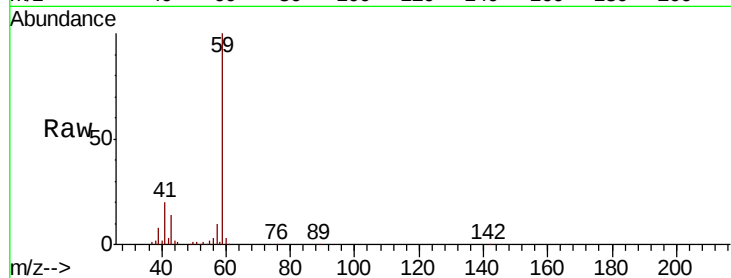
Tert butyl alcohol  
Concen: 315.281 ug/l  
RT: 4.75 min Scan# 927  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.8   | 8.3   | 12.5  |

Manual Integrations  
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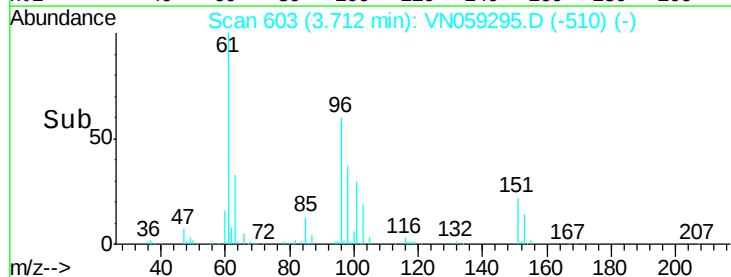
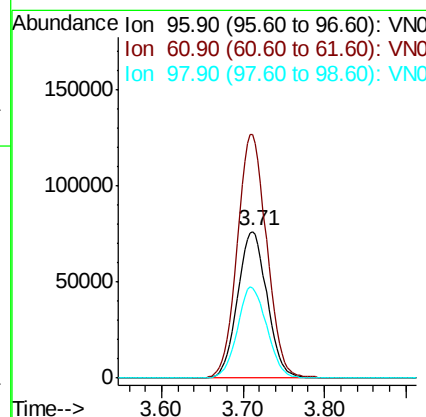
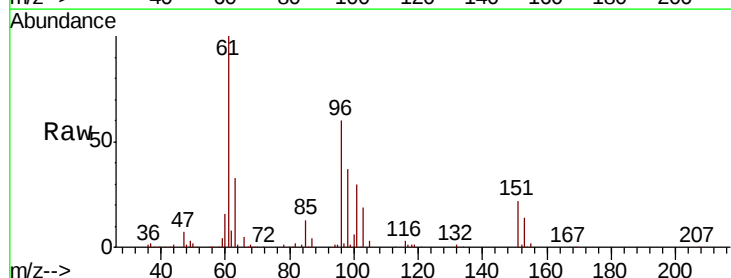
MMDADODA  
11/19/2019 11:03:46 AM

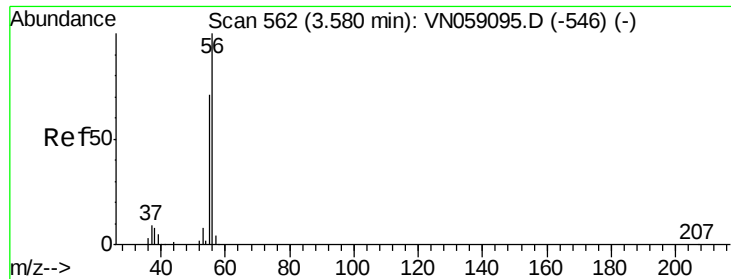


#12

1,1-Dichloroethene  
Concen: 52.857 ug/l  
RT: 3.71 min Scan# 603  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 165.7 | 136.5 | 204.7 |
| 98      | 61.7  | 50.2  | 75.4  |





#13

Acrolein

Concen: 218.706 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 102693

Ion Ratio Lower Upper

56 100

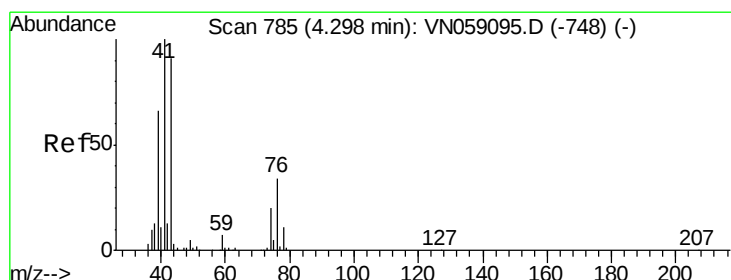
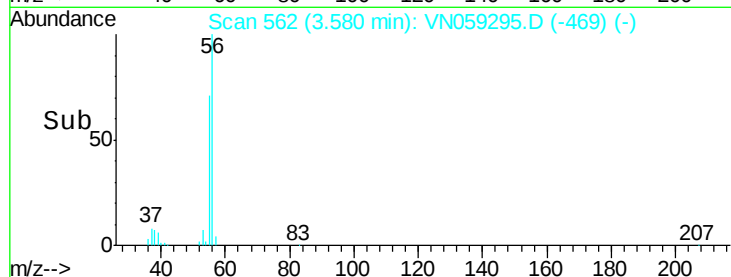
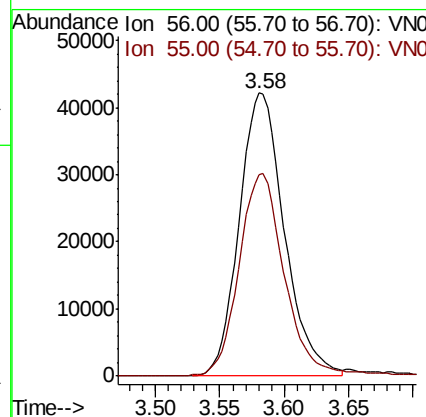
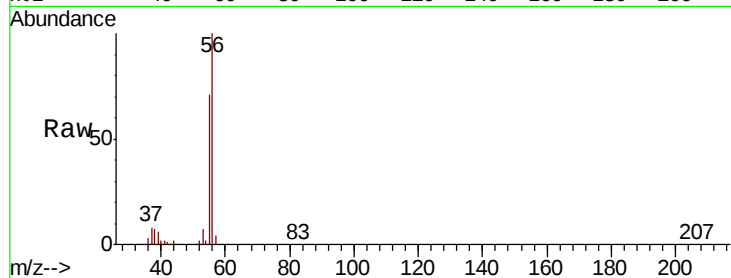
55 72.4 56.4 84.6

Manual Integrations

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11/19/2019 11:03:46 AM



#14

Allyl chloride

Concen: 51.053 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

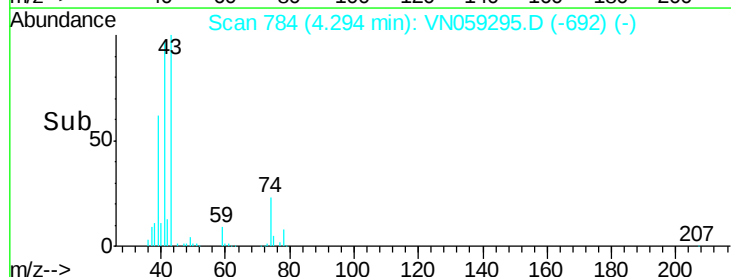
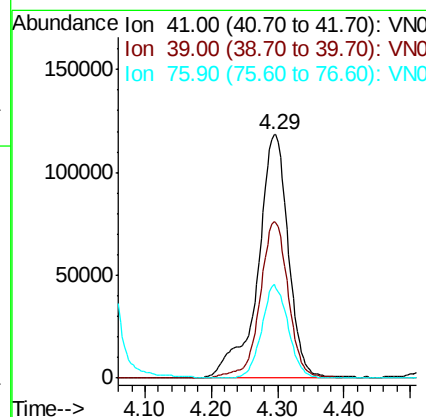
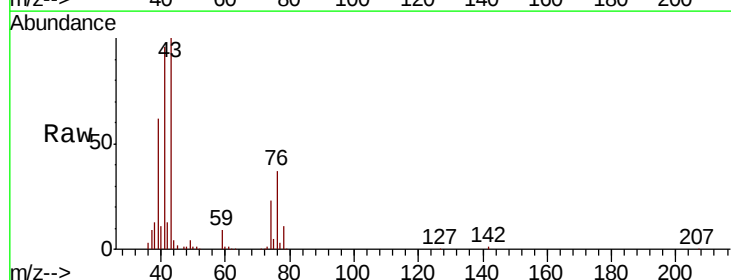
Tgt Ion: 41 Resp: 380301

Ion Ratio Lower Upper

41 100

39 59.7 49.1 73.7

76 32.6 24.9 37.3





#15

Acrylonitrile

Concen: 296.935 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

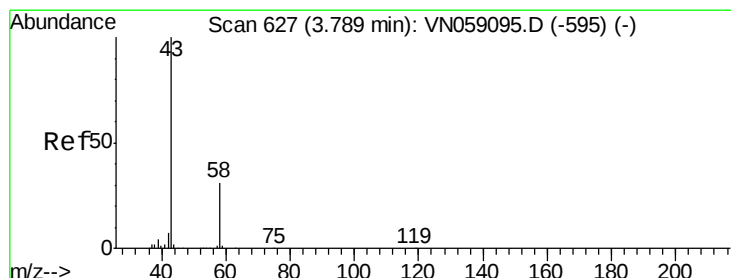
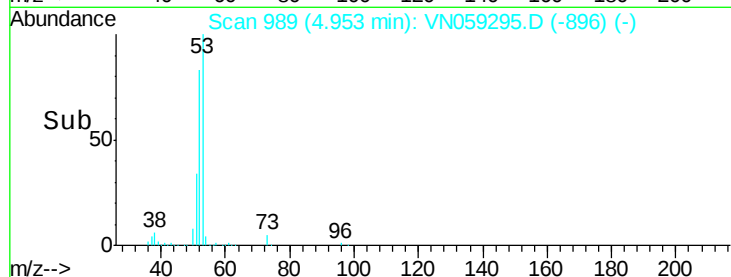
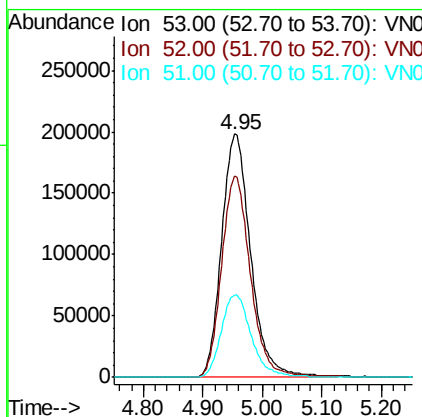
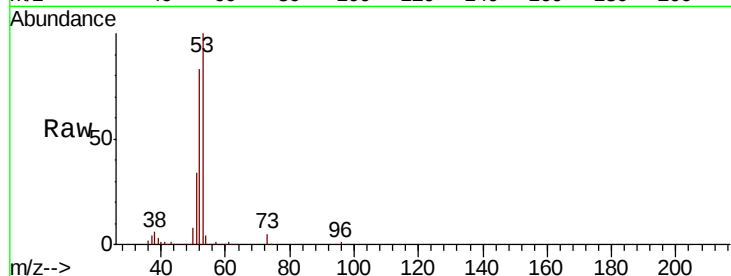
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 672993 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.8  | 65.0  | 97.6   |
| 51       | 35.2  | 28.0  | 42.0   |

Manual Integrations  
APPROVED

MMDADODA  
11/19/2019 11:03:46 AM



#16

Acetone

Concen: 220.976 ug/l

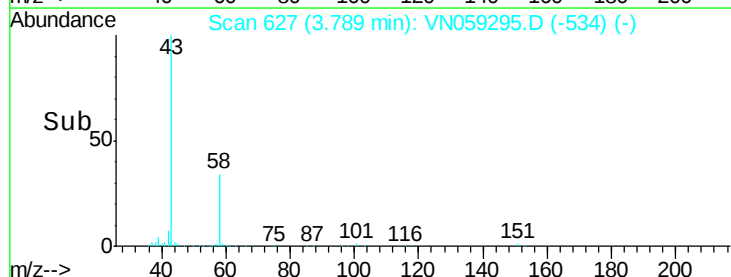
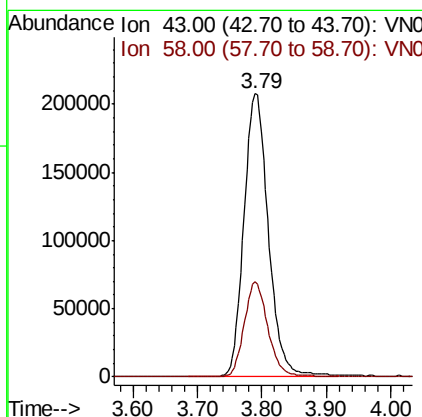
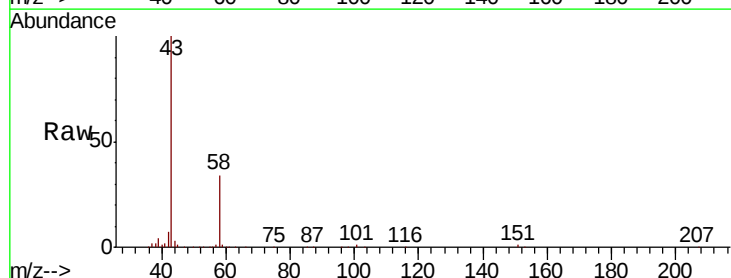
RT: 3.79 min Scan# 627

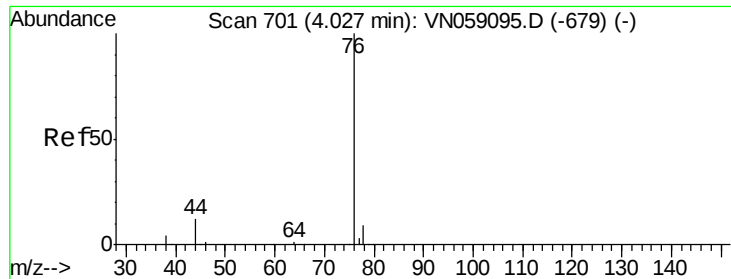
Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 549131 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 33.4  | 24.9  | 37.3   |





#17

Carbon Disulfide

Concen: 43.680 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 491720

Ion Ratio Lower Upper

76 100

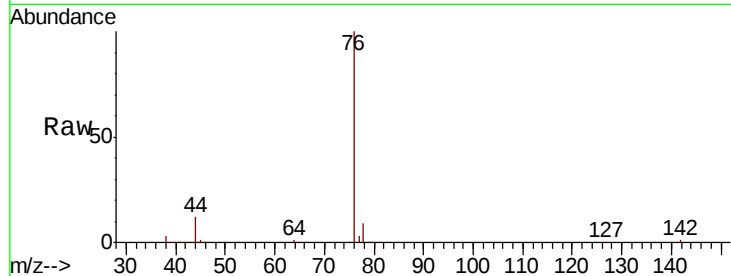
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

200000

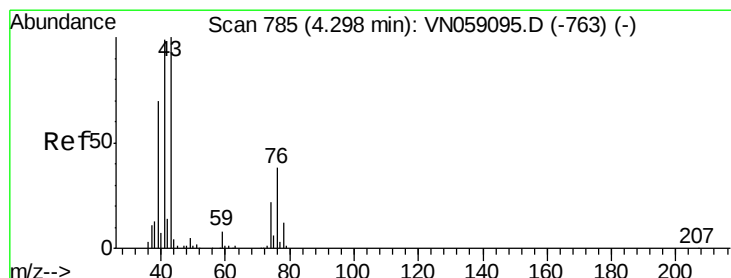
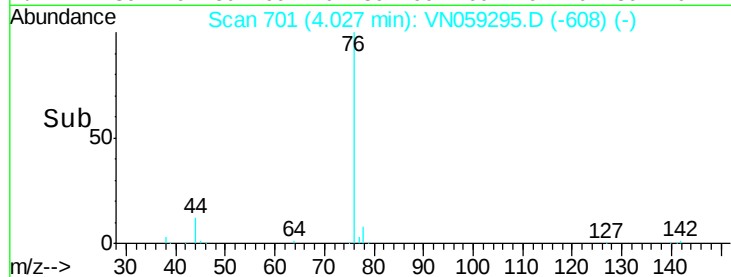
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 58.524 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059295.D

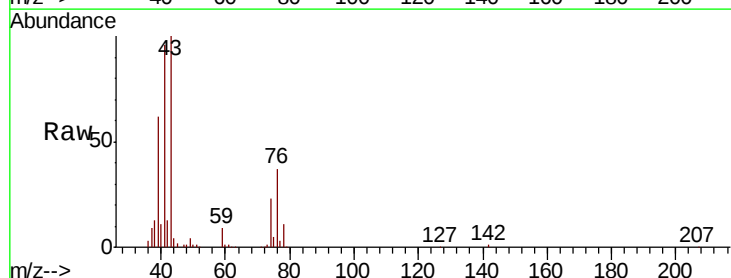
Acq: 18 Nov 2019 19:24

Tgt Ion: 43 Resp: 345202

Ion Ratio Lower Upper

43 100

74 23.2 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

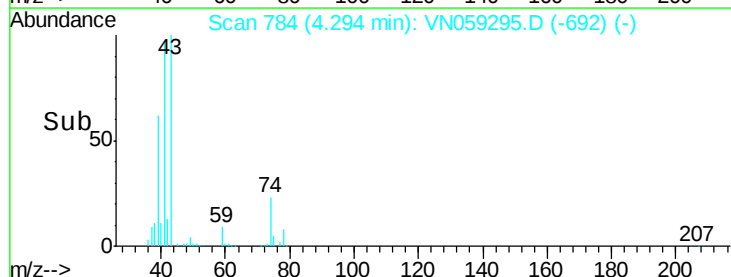
4.29

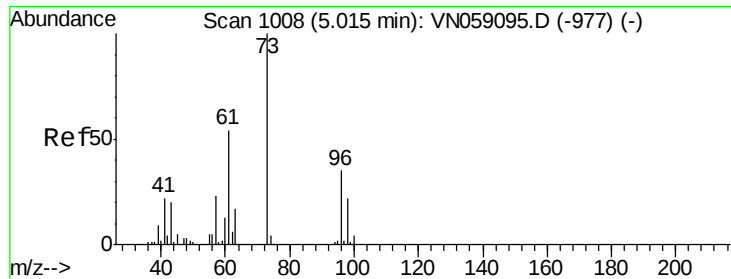
100000

50000

0

Time-->





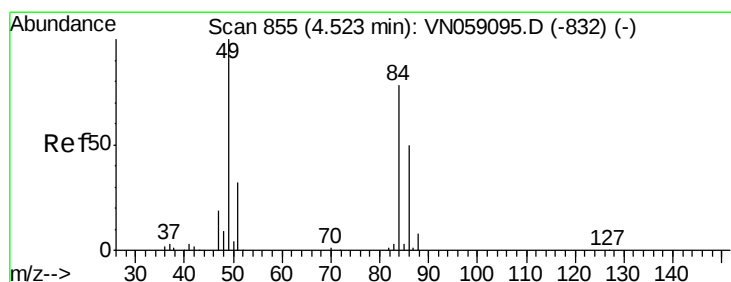
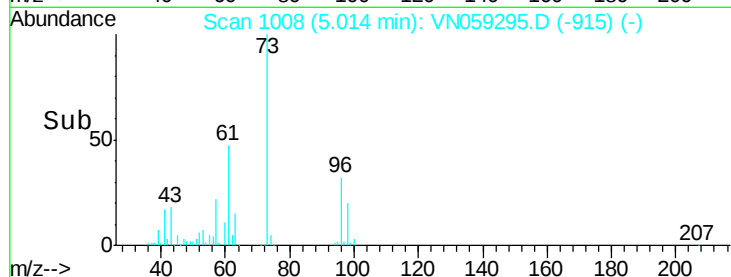
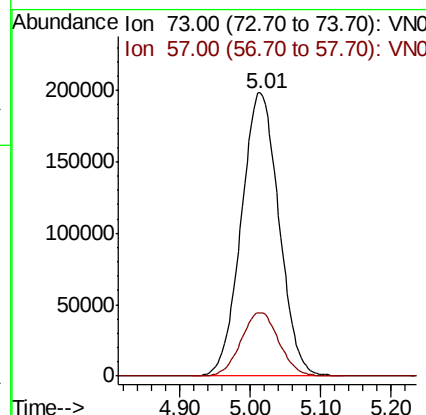
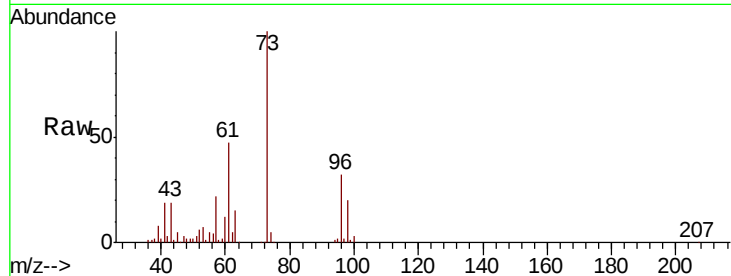
#19  
Methvl tert-butvl Ether  
Concen: 59.175 ug/l  
RT: 5.01 min Scan# 1008  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.5  | 18.4  | 27.6  |

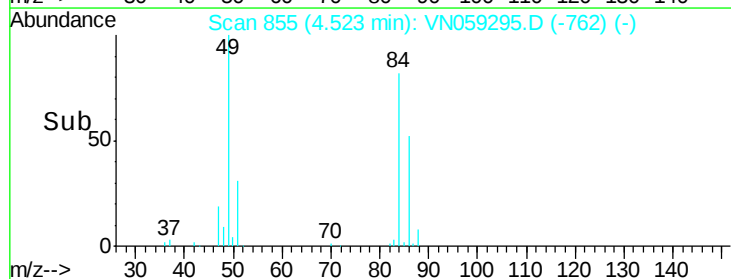
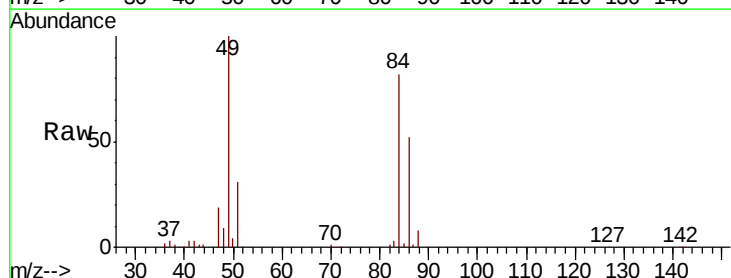
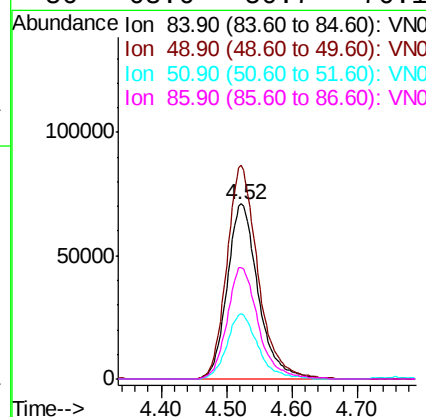
Manual Integrations  
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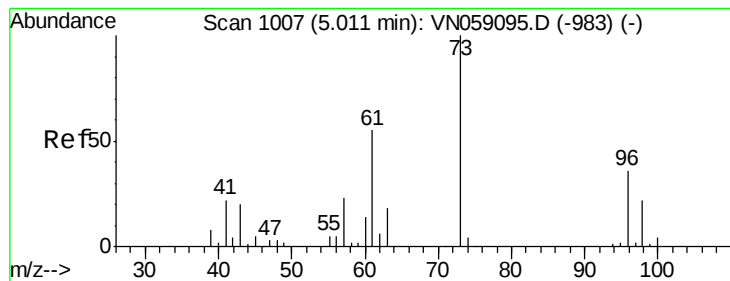
MMDADODA  
11/19/2019 11:03:46 AM



#20  
Methylene Chloride  
Concen: 54.143 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 121.8 | 102.0 | 153.0 |
| 51      | 37.2  | 32.2  | 48.2  |
| 86      | 63.6  | 50.7  | 76.1  |





#21

trans-1,2-Dichloroethene

Concen: 53.076 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 206604

Ion Ratio Lower Upper

96 100

61 145.1 122.6 183.8

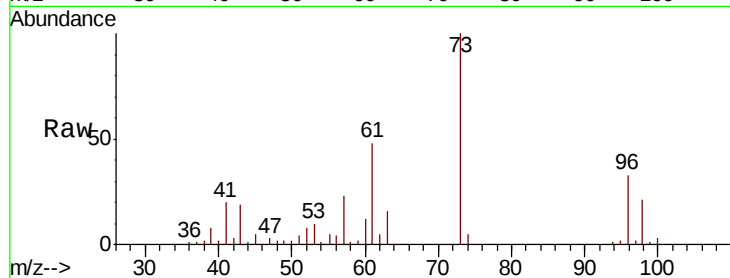
98 62.9 50.3 75.5

Manual Integrations

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MMDADODA

11/19/2019 11:03:46 AM

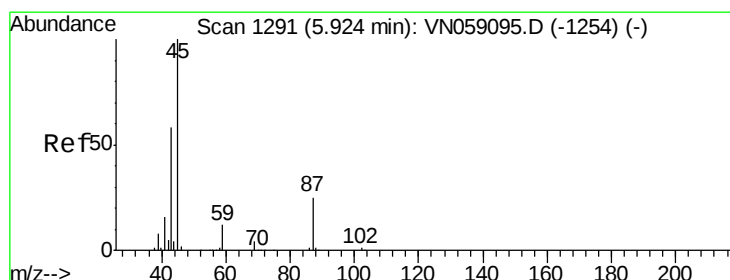
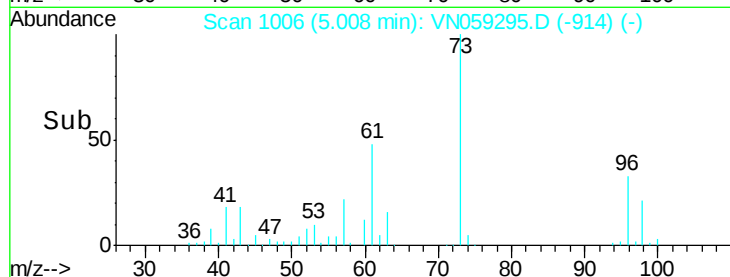
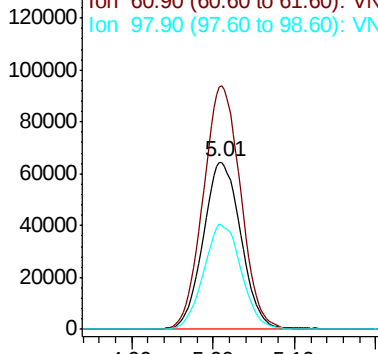


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 55.159 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Tgt Ion: 45 Resp: 776101

Ion Ratio Lower Upper

45 100

43 60.2 46.7 70.1

87 27.2 20.5 30.7

59 12.6 9.6 14.4

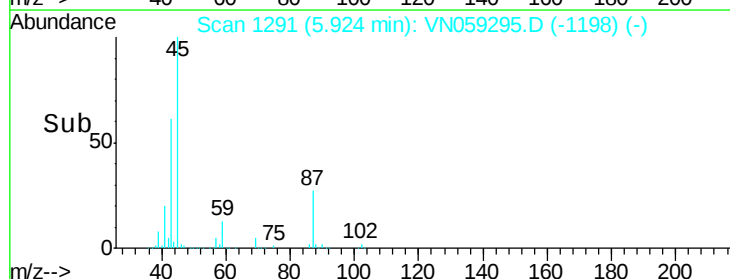
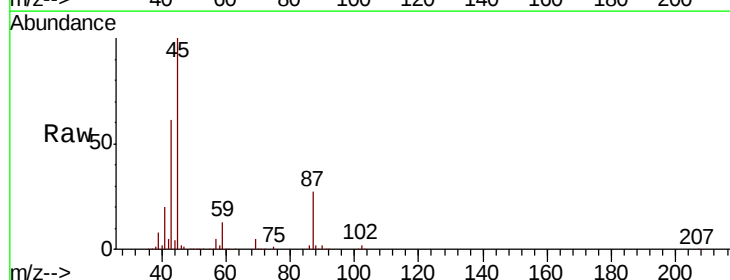
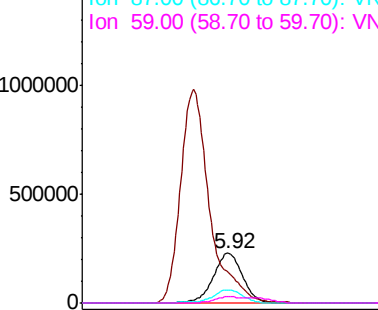
Abundance

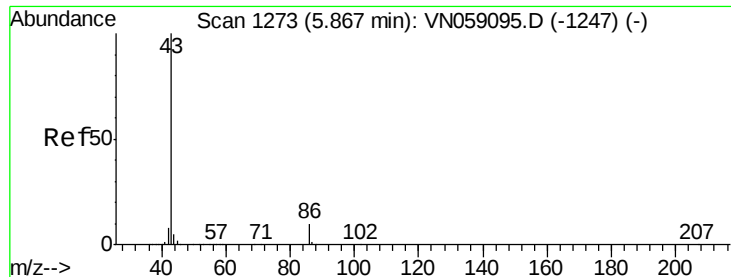
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 300.048 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3271942

Ion Ratio Lower Upper

43 100

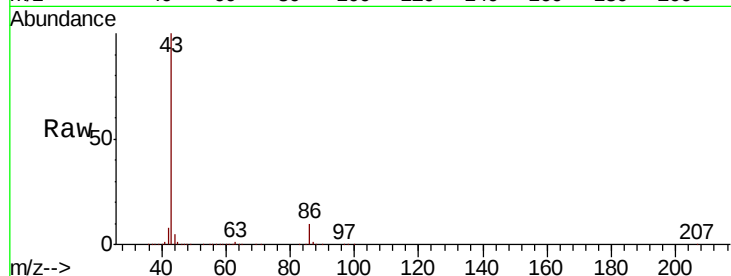
86 10.4 7.7 11.5

Manual Integrations

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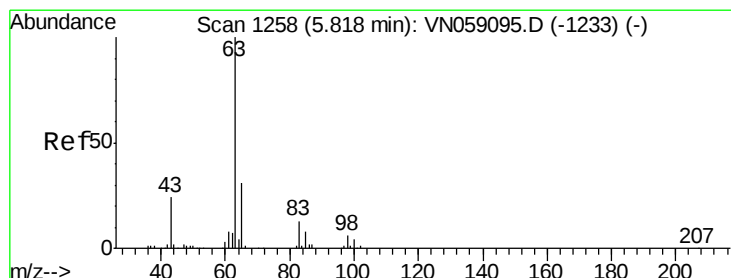
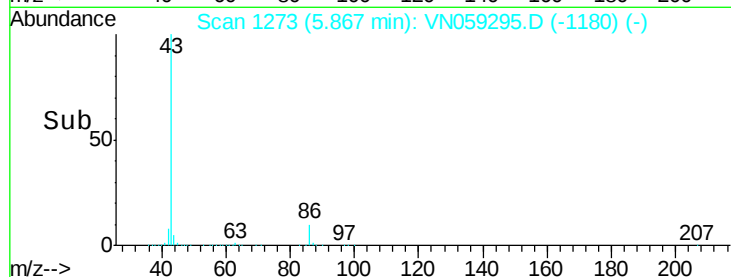
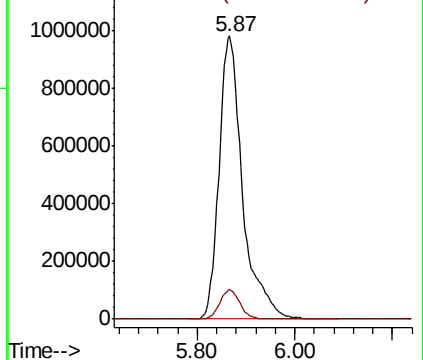
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 54.607 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

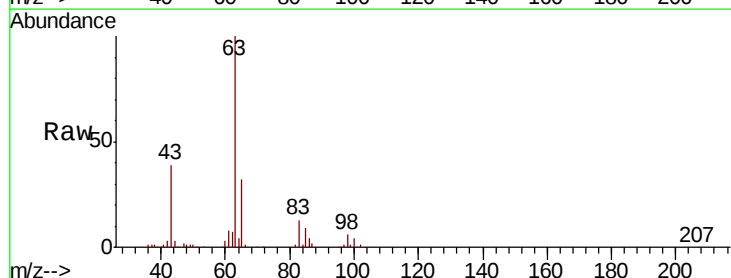
Tgt Ion: 63 Resp: 429136

Ion Ratio Lower Upper

63 100

98 6.3 2.8 8.4

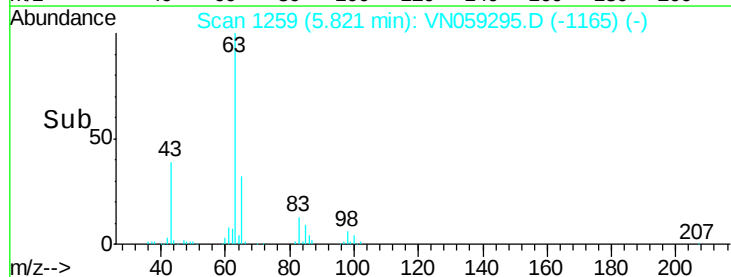
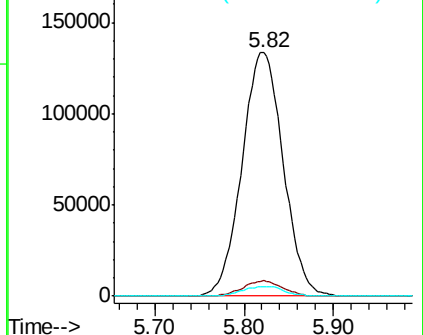
100 4.0 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 275.520 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 902360

Ion Ratio Lower Upper

43 100

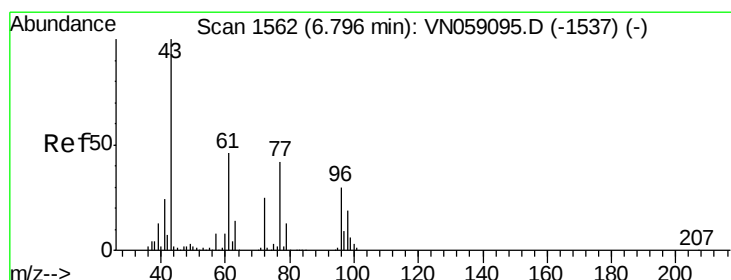
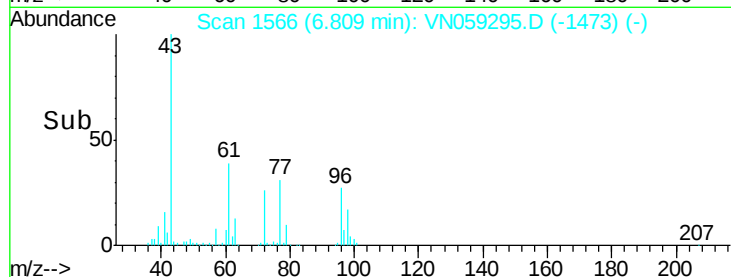
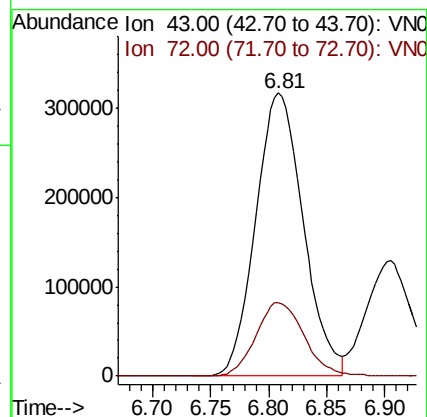
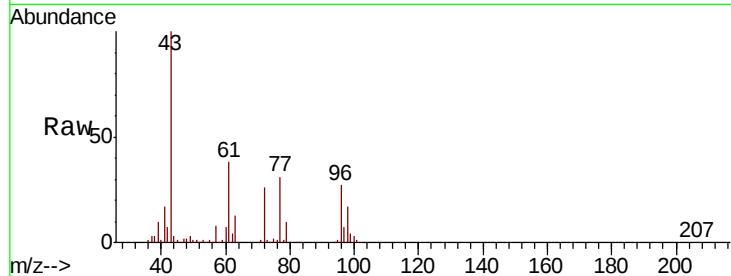
72 26.0 20.3 30.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.520 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059295.D

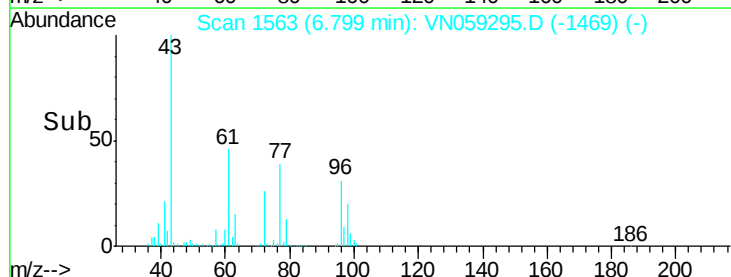
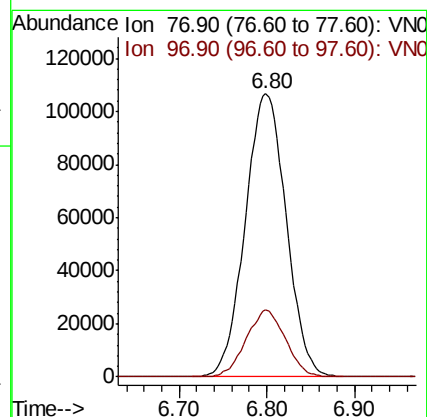
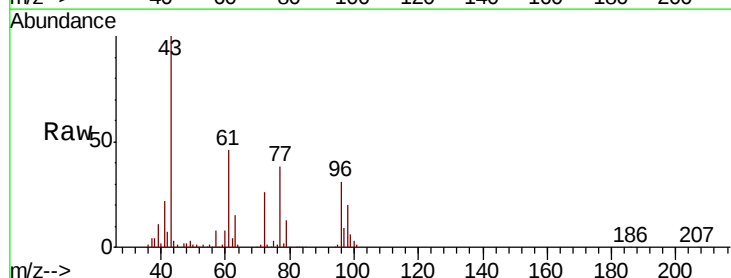
Acq: 18 Nov 2019 19:24

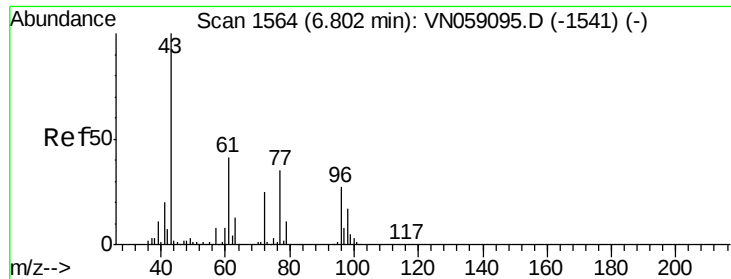
Tgt Ion: 77 Resp: 347157

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 56.023 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

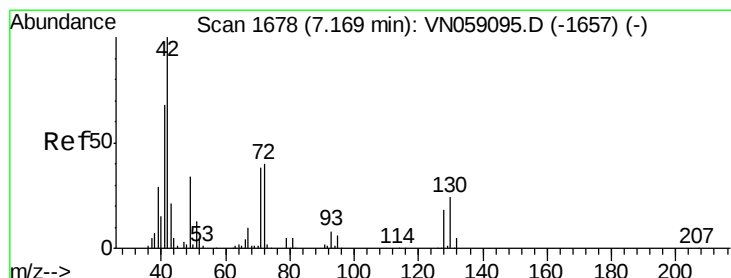
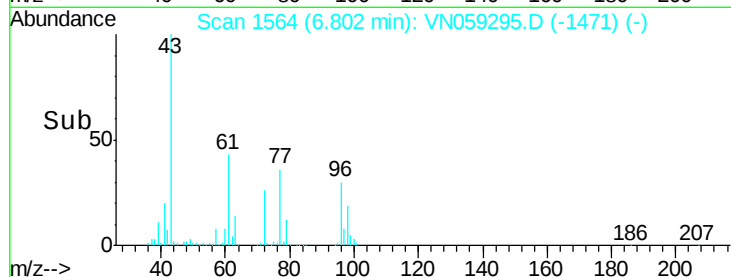
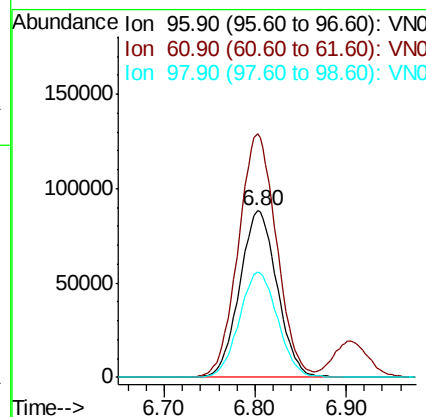
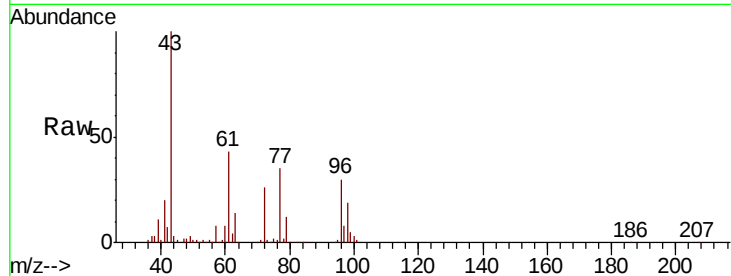
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 253002 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 149.0 | 0.0   | 311.6  |
| 98        | 64.5  | 0.0   | 129.8  |

Manual Integrations  
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#28

Bromochloromethane

Concen: 47.504 ug/l

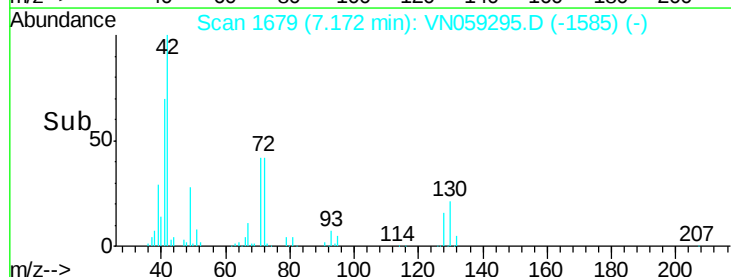
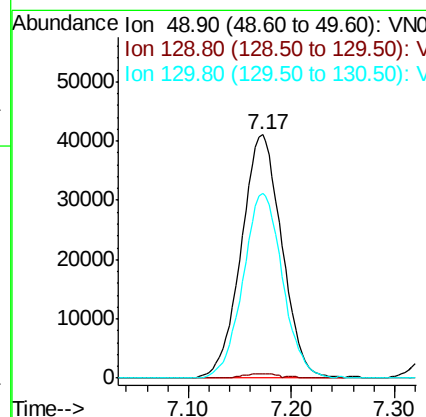
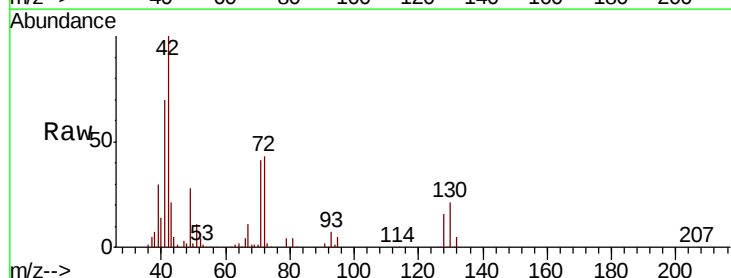
RT: 7.17 min Scan# 1679

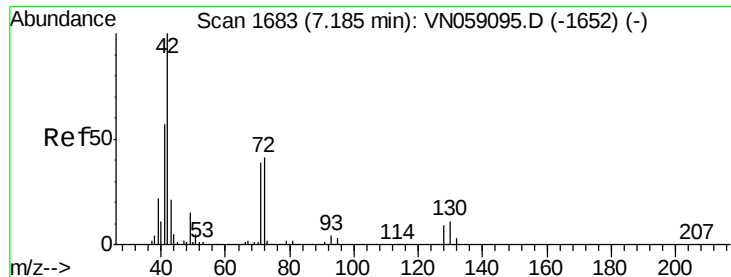
Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 112315 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 0.8   | 0.0   | 3.8    |
| 130       | 73.9  | 55.6  | 83.4   |





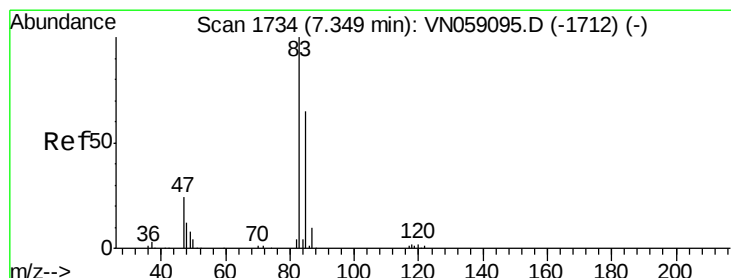
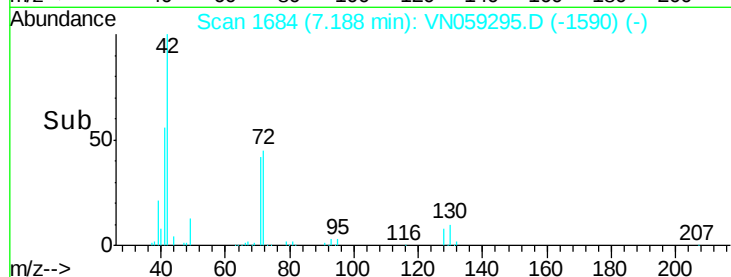
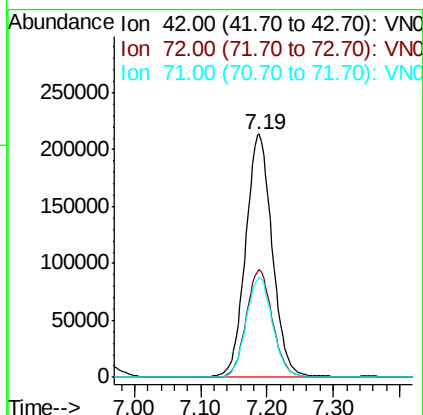
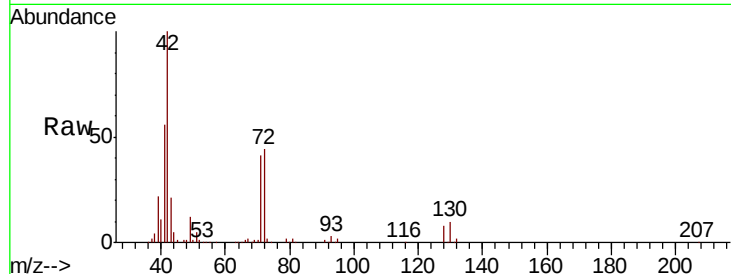
#29  
Tetrahydrofuran  
Concen: 285.240 ug/l  
RT: 7.19 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.6  | 33.1  | 49.7  |
| 71      | 41.2  | 30.9  | 46.3  |

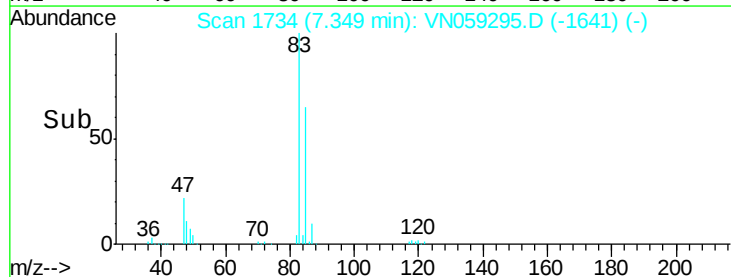
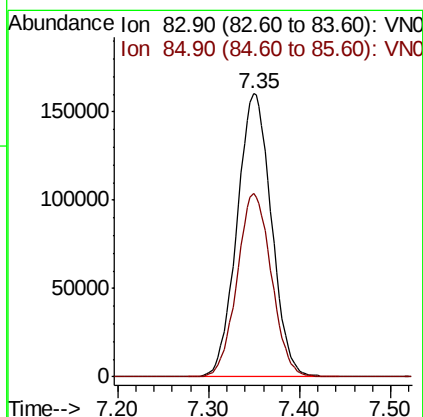
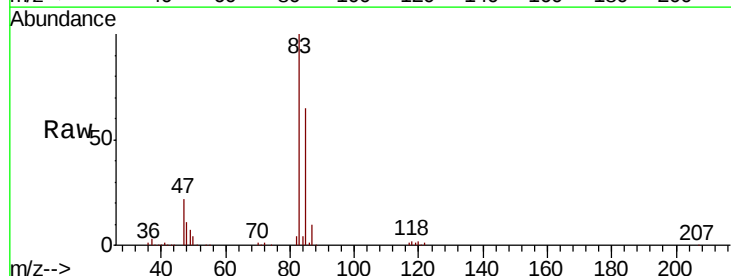
Manual Integrations  
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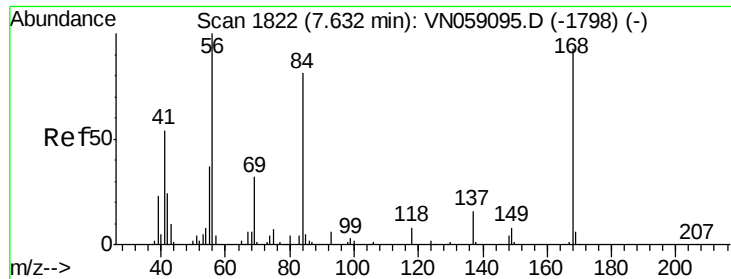
MMDADODA  
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#30  
Chloroform  
Concen: 55.875 ug/l  
RT: 7.35 min Scan# 1734  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.7  | 51.8  | 77.8  |





#31

Cyclohexane

Concen: 46.953 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

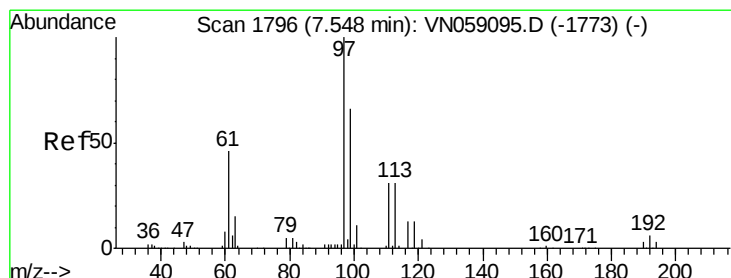
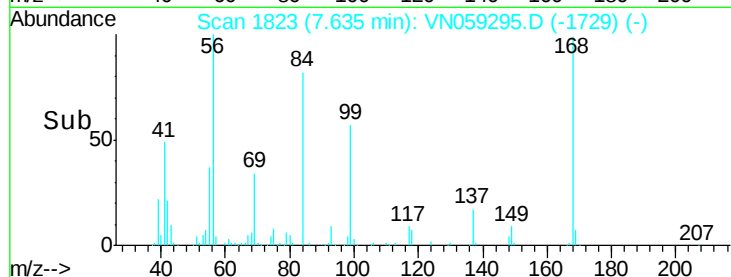
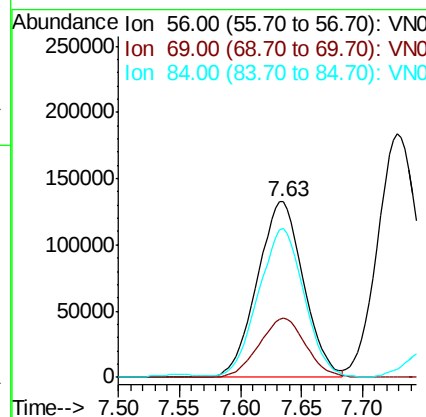
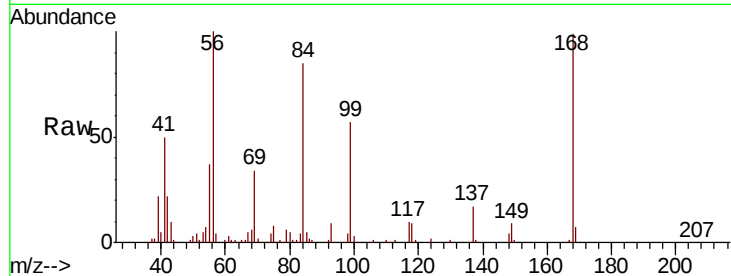
ClientSampleId :

VSTDCCC050EC

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 56   | Resp: | 349314 |
| Ion Ratio |      | Lower | Upper  |
| 56        | 100  |       |        |
| 69        | 33.8 | 25.8  | 38.8   |
| 84        | 83.5 | 65.0  | 97.4   |

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#32

1,1,1-Trichloroethane

Concen: 55.522 ug/l

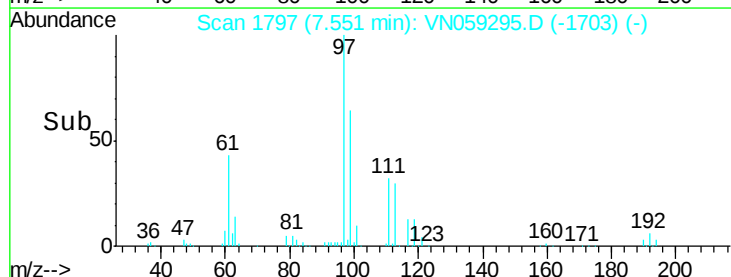
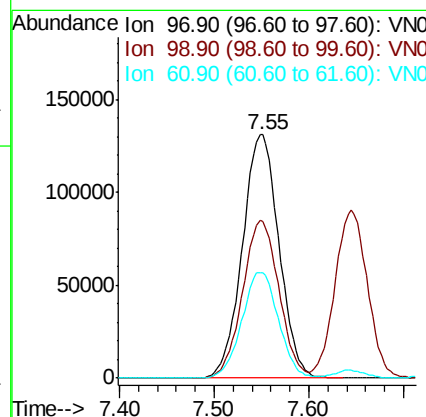
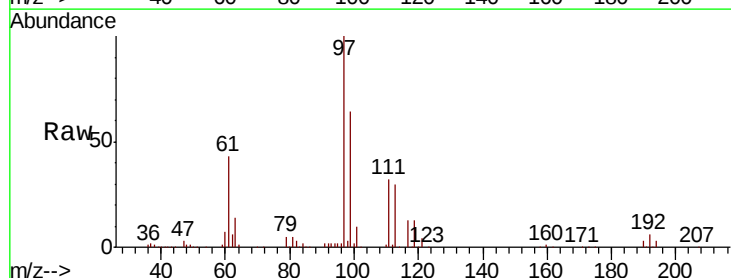
RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 97   | Resp: | 351901 |
| Ion Ratio |      | Lower | Upper  |
| 97        | 100  |       |        |
| 99        | 64.5 | 51.0  | 76.6   |
| 61        | 43.6 | 35.8  | 53.8   |





#33

1,2-Dichloroethane-d4

Concen: 45.597 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 217897

Ion Ratio Lower Upper

65 100

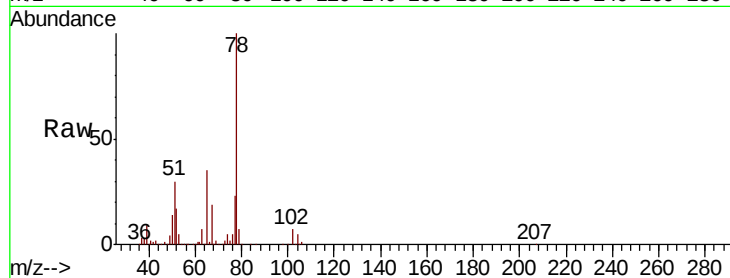
67 54.8 0.0 107.4

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

100000

80000

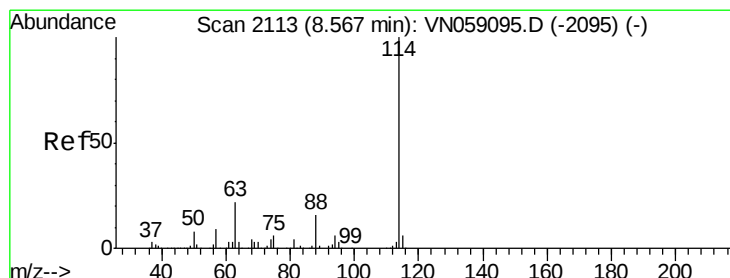
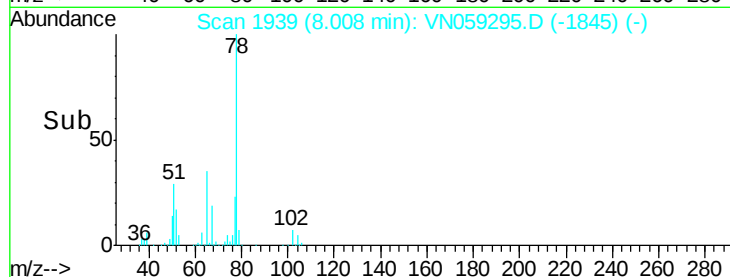
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

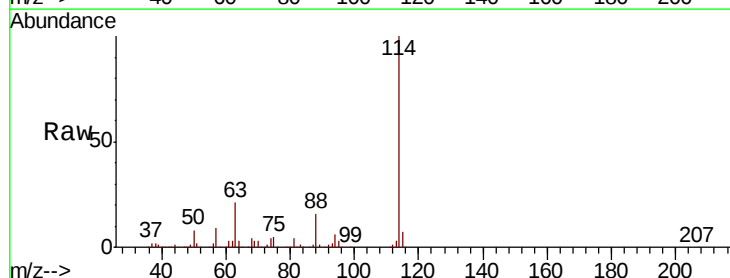
Tgt Ion: 114 Resp: 622796

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.4

88 16.1 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.57

400000

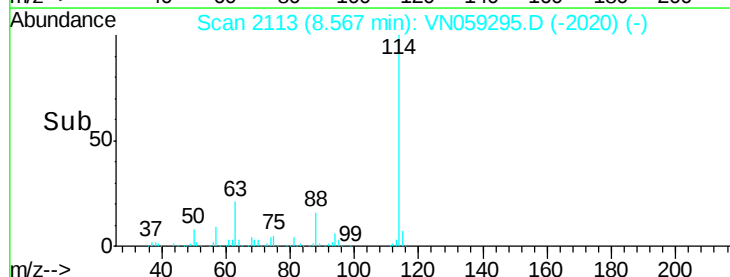
300000

200000

100000

0

Time--> 8.50 8.60 8.70





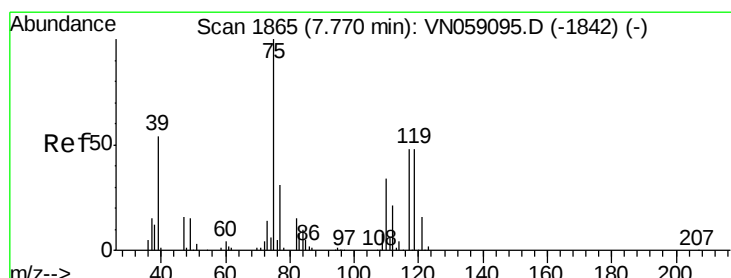
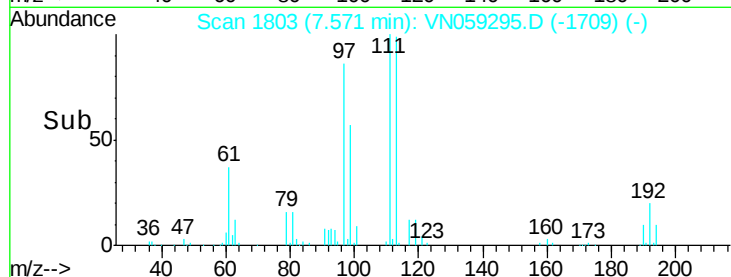
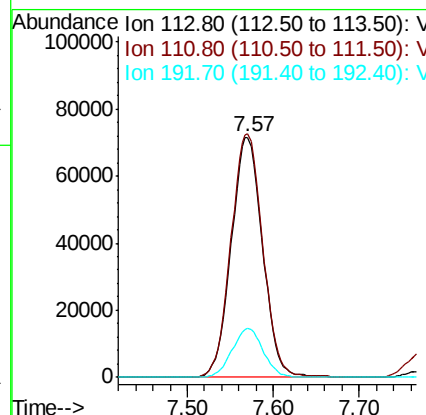
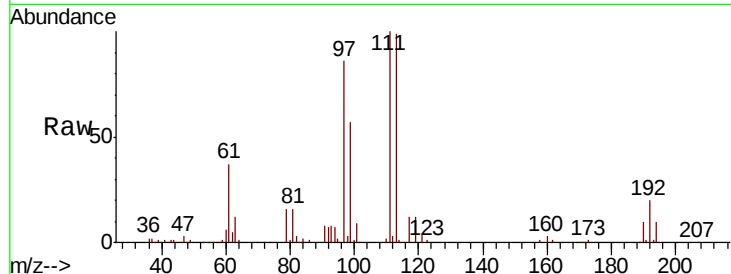
#35  
Dibromofluoromethane  
Concen: 48.676 ug/l  
RT: 7.57 min Scan# 1803  
Delta R.T. 0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 181012 |       |       |
| 111     | 103.0 | 82.8   | 124.2 |       |
| 192     | 20.2  | 16.1   | 24.1  |       |

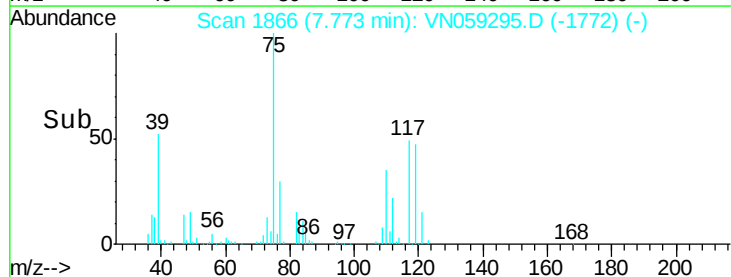
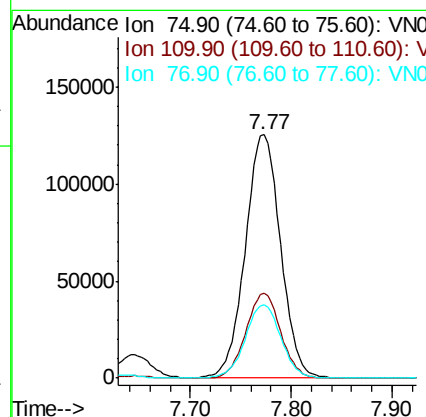
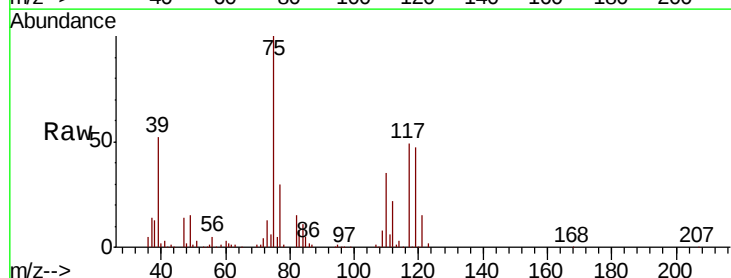
Manual Integrations  
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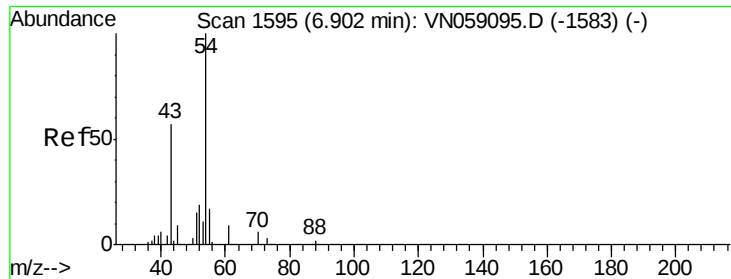
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11/19/2019 11:03:46 AM



#36  
1,1-Dichloropropene  
Concen: 51.948 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. 0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 302404 |       |       |
| 110     | 34.6  | 17.1   | 51.2  |       |
| 77      | 30.7  | 24.8   | 37.2  |       |





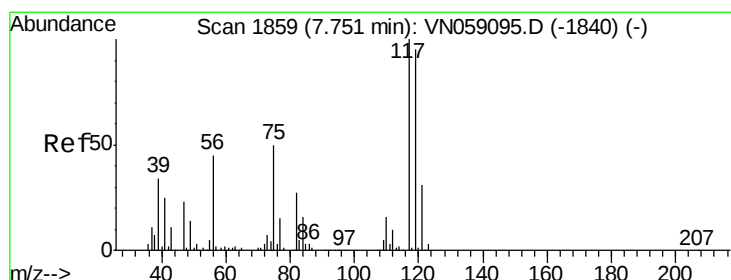
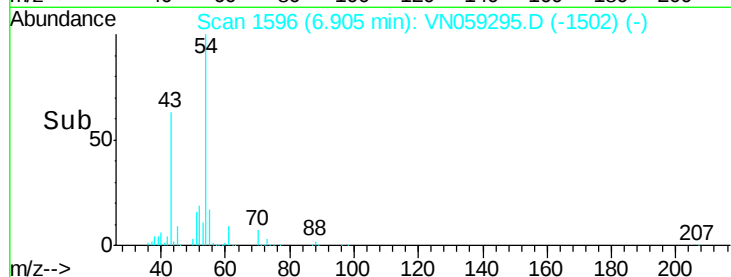
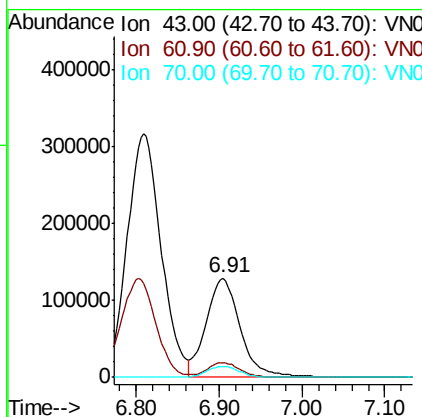
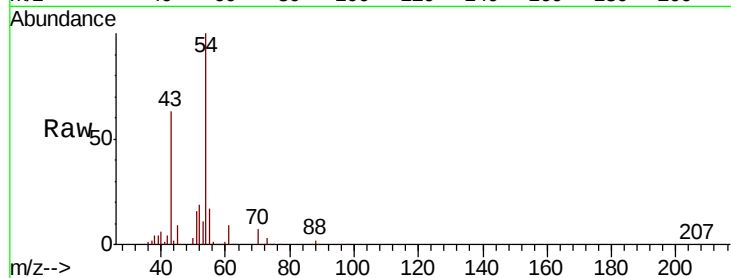
#37  
Ethyl Acetate  
Concen: 56.190 ug/l  
RT: 6.91 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.2  | 11.2  | 16.8  |
| 70      | 10.8  | 7.8   | 11.8  |

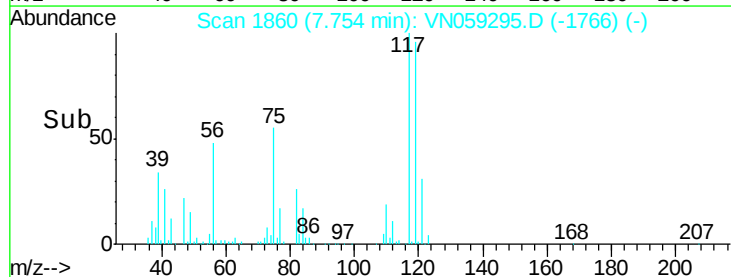
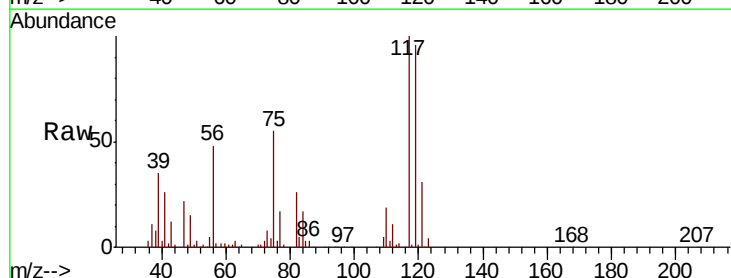
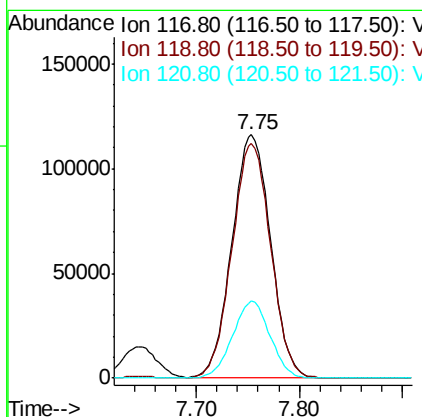
Manual Integrations  
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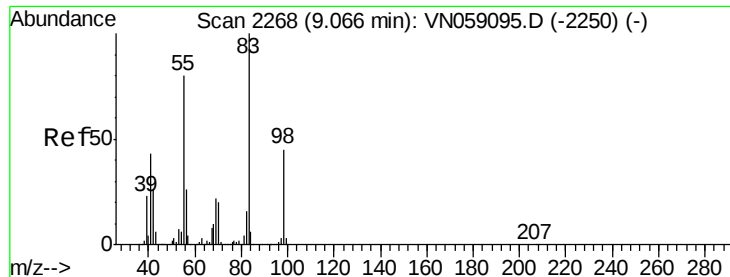
MMDADODA  
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#38  
Carbon Tetrachloride  
Concen: 52.412 ug/l  
RT: 7.75 min Scan# 1860  
Delta R.T. 0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.3  | 75.6  | 113.4 |
| 121     | 31.5  | 24.6  | 36.8  |





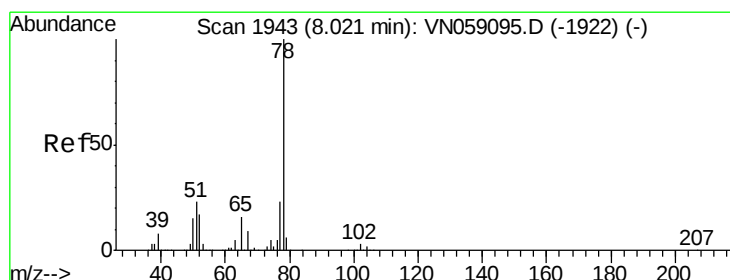
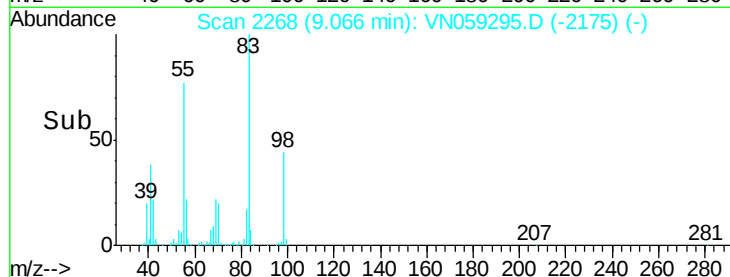
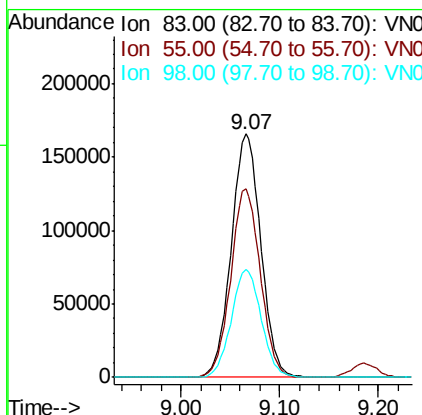
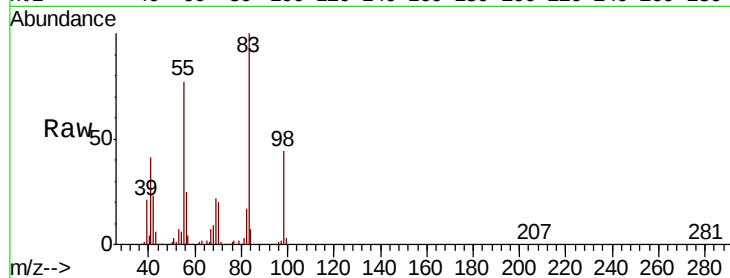
#39  
Methvlcvclohexane  
Concen: 51.129 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 77.3  | 63.9  | 95.9  |
| 98      | 44.5  | 35.6  | 53.4  |

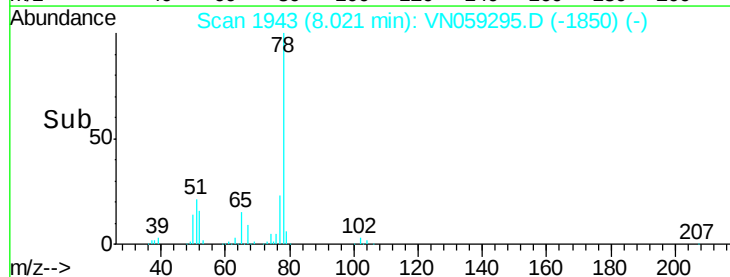
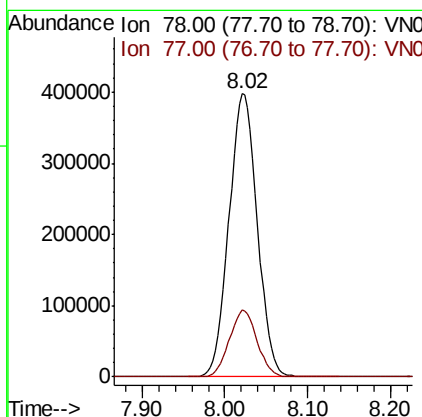
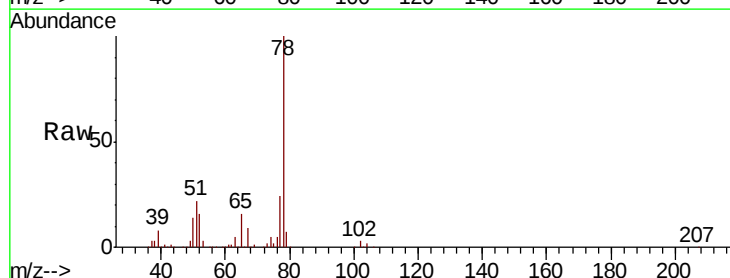
Manual Integrations  
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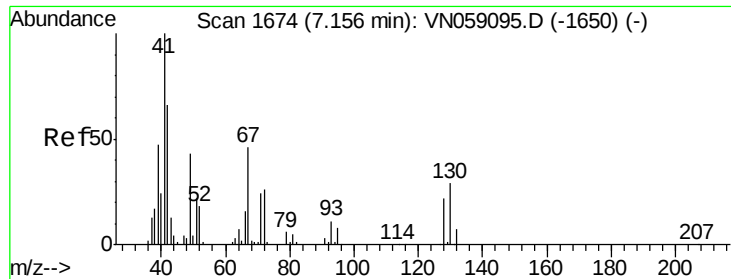
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#40  
Benzene  
Concen: 53.831 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.6  | 18.8  | 28.2  |





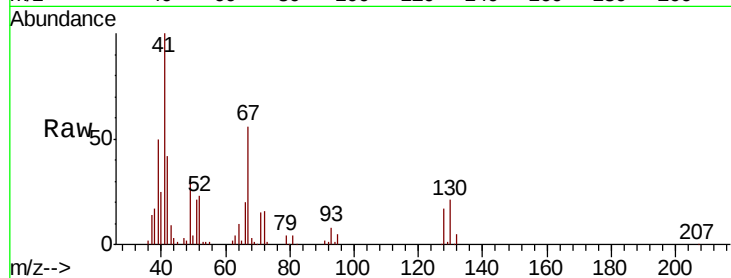
#41  
Methacrylonitrile  
Concen: 53.413 ug/l m  
RT: 7.15 min Scan# 1673  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

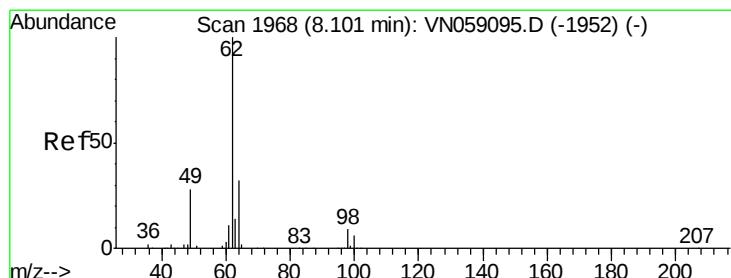
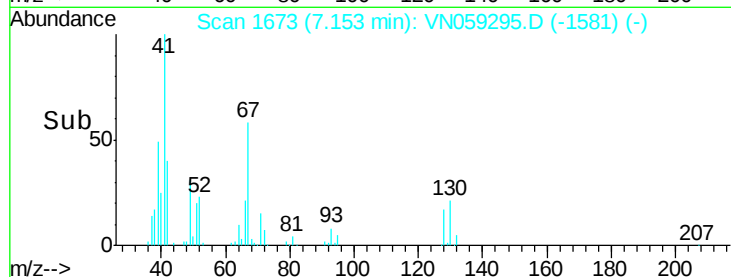
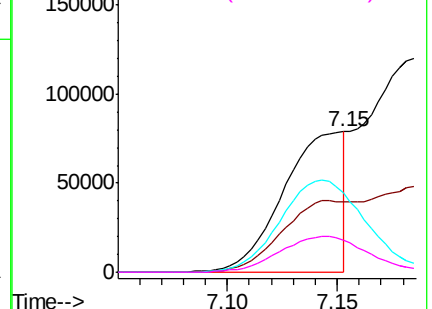
| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 41      | 100 |       | 150414 |       |       |
| 39      | 0.0 | 0.0   | 0.0    |       |       |
| 67      | 0.0 | 0.0   | 0.0    |       |       |
| 52      | 0.0 | 0.0   | 0.0    |       |       |

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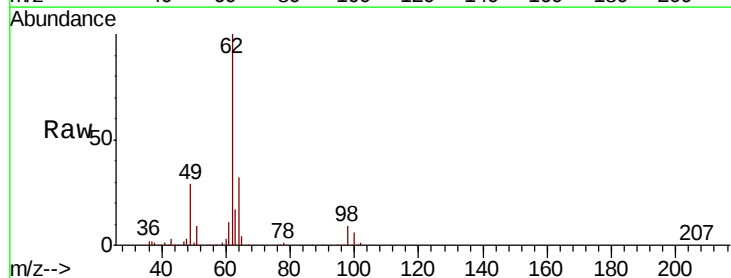


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0  
Ion 67.00 (66.70 to 67.70): VN0  
Ion 52.00 (51.70 to 52.70): VN0

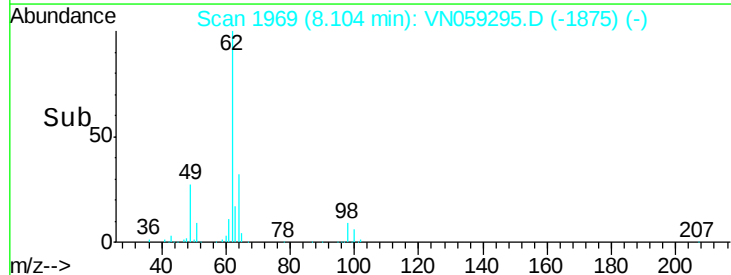
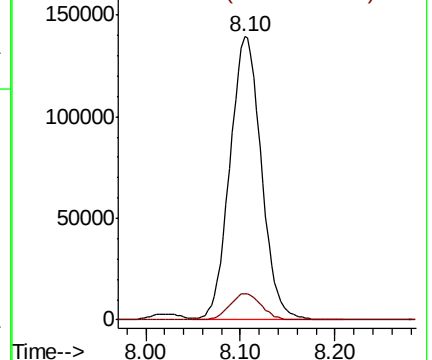


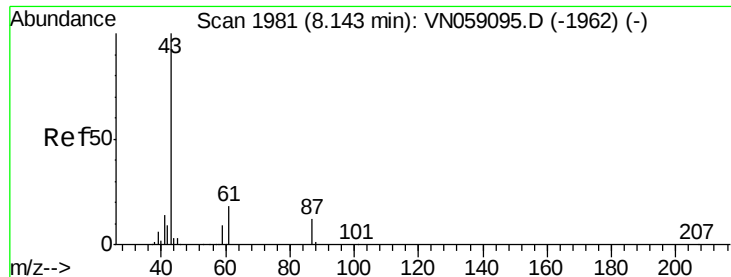
#42  
1,2-Dichloroethane  
Concen: 53.364 ug/l  
RT: 8.10 min Scan# 1969  
Delta R.T. 0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 320840 |       |       |
| 98      | 9.3 | 0.0   | 17.8   |       |       |



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





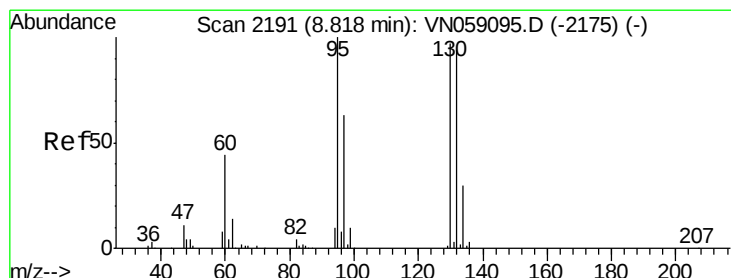
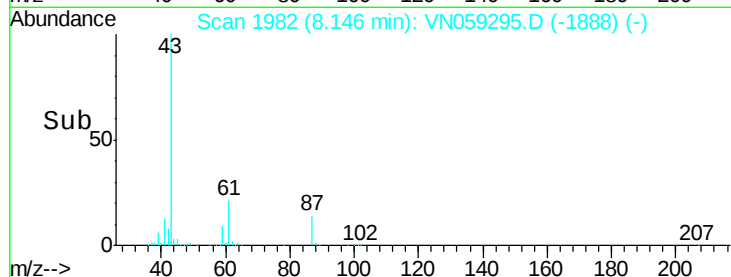
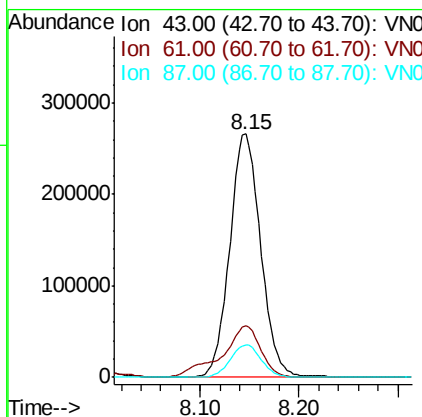
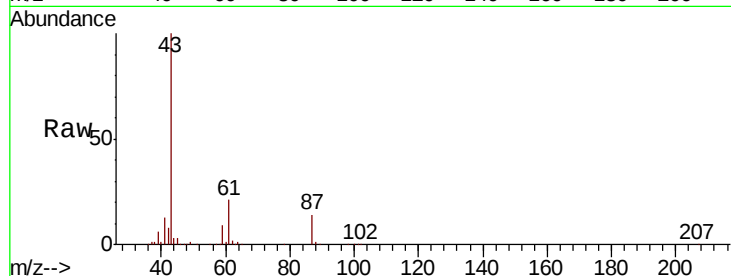
#43  
Isopropyl Acetate  
Concen: 56.084 ug/l  
RT: 8.15 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 26.8  | 21.0  | 31.6  |
| 87      | 13.4  | 9.8   | 14.6  |

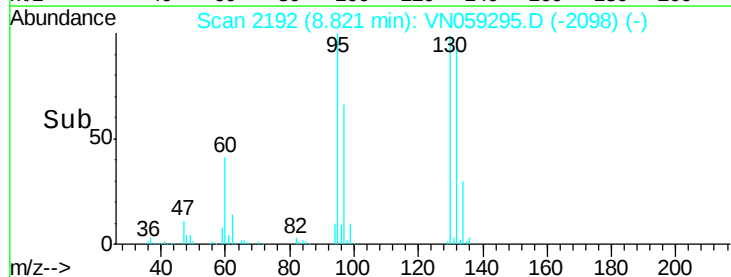
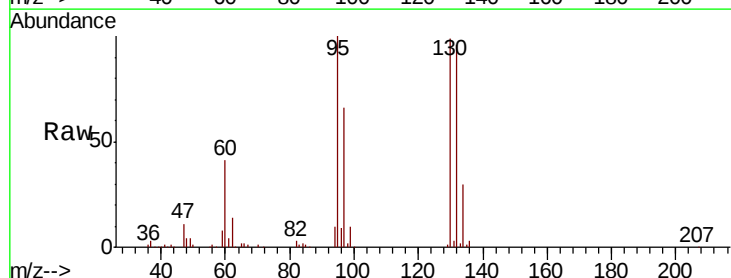
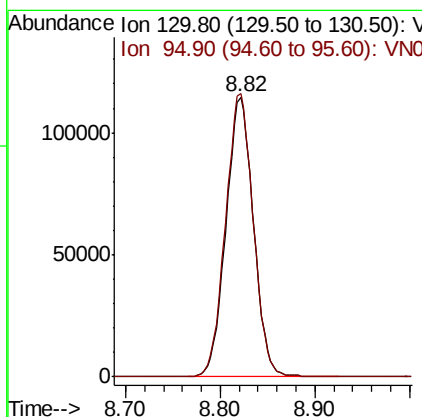
Manual Integrations  
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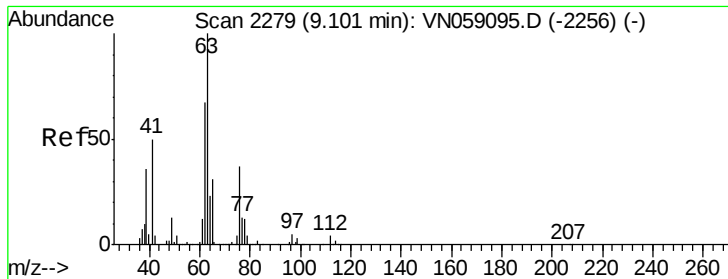
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#44  
Trichloroethene  
Concen: 53.604 ug/l  
RT: 8.82 min Scan# 2192  
Delta R.T. 0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 101.2 | 0.0   | 206.4 |





#45

1,2-Dichloropropane

Concen: 54.868 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 261252

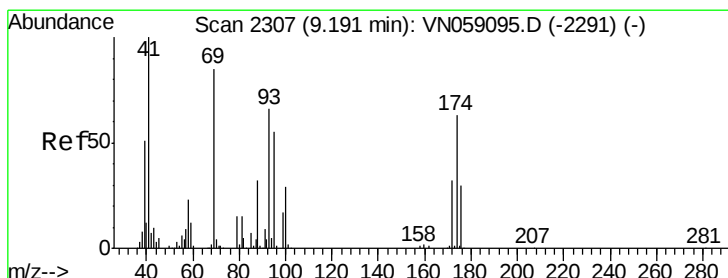
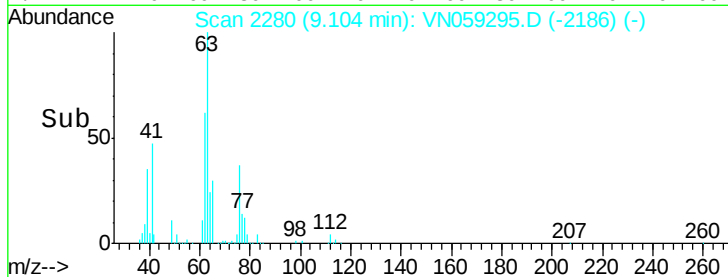
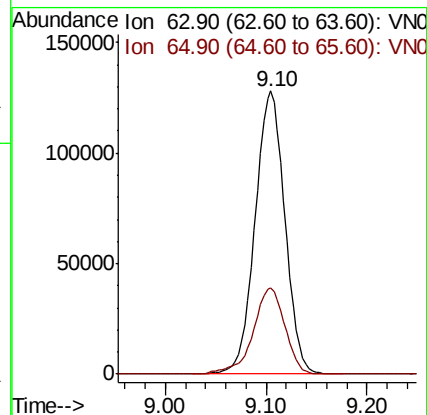
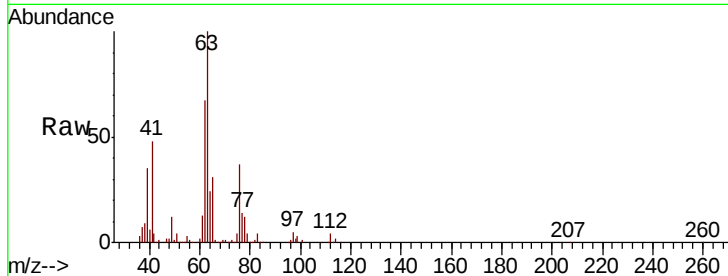
Ion Ratio Lower Upper

63 100

65 30.6 24.6 37.0

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#46

Dibromomethane

Concen: 54.531 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

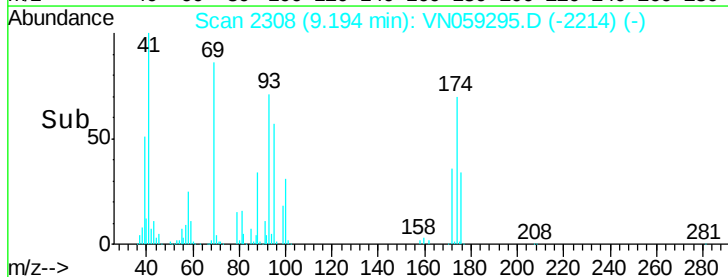
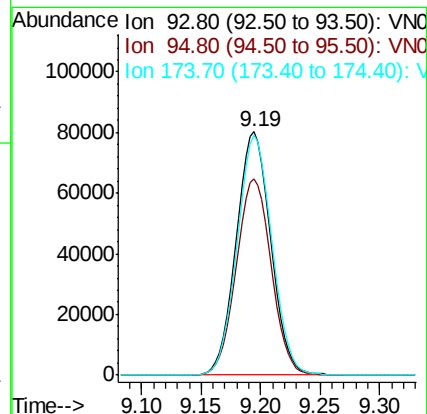
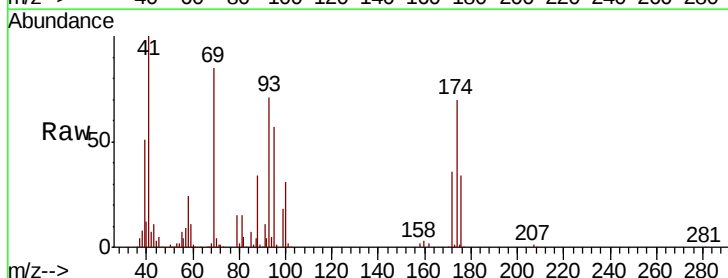
Tgt Ion: 93 Resp: 161798

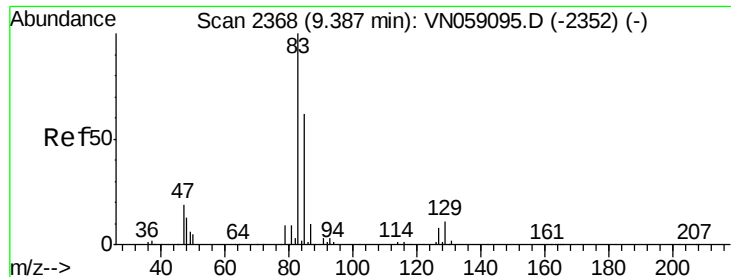
Ion Ratio Lower Upper

93 100

95 81.6 66.6 100.0

174 98.9 78.2 117.2





#47

Bromodichloromethane

Concen: 56.099 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

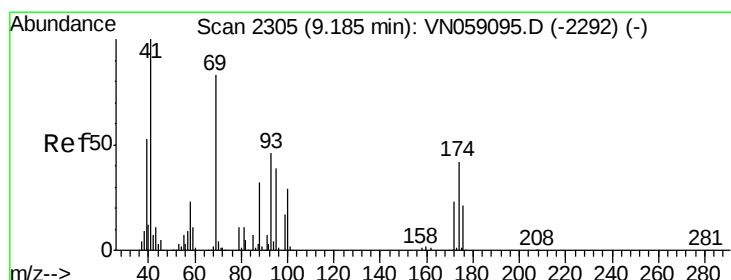
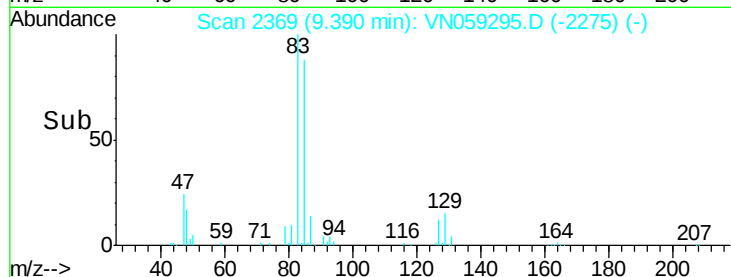
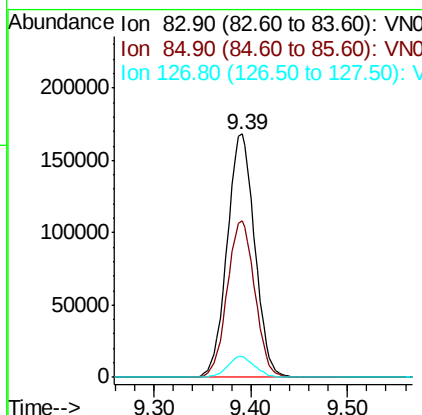
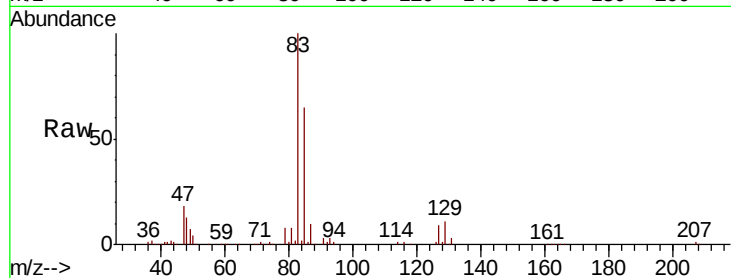
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 332379 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.5  | 49.7  | 74.5   |
| 127      | 8.5   | 6.4   | 9.6    |

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#48

Methyl methacrylate

Concen: 56.873 ug/l

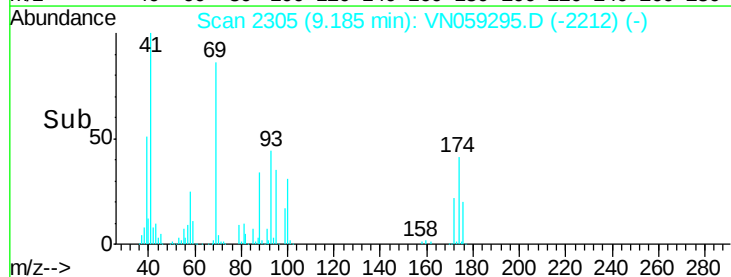
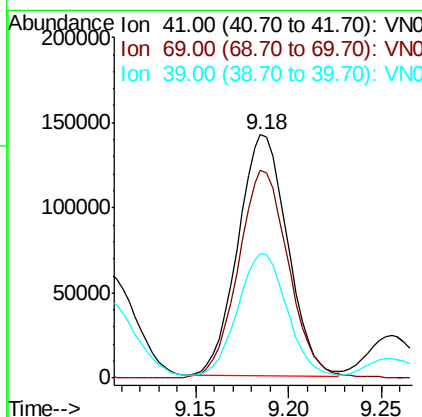
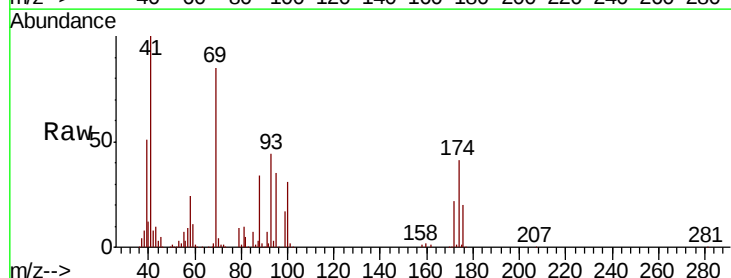
RT: 9.18 min Scan# 2305

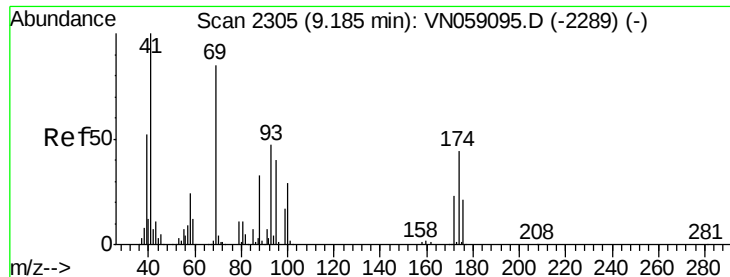
Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 262646 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 87.9  | 67.3  | 100.9  |
| 39       | 51.9  | 43.3  | 64.9   |





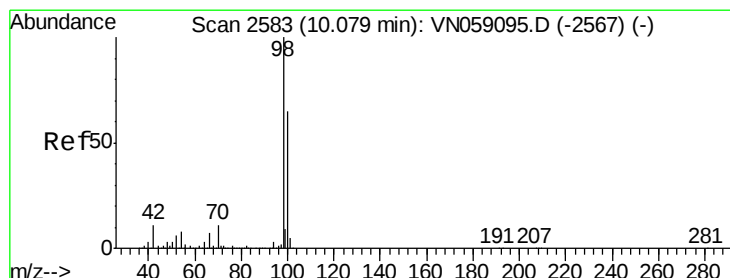
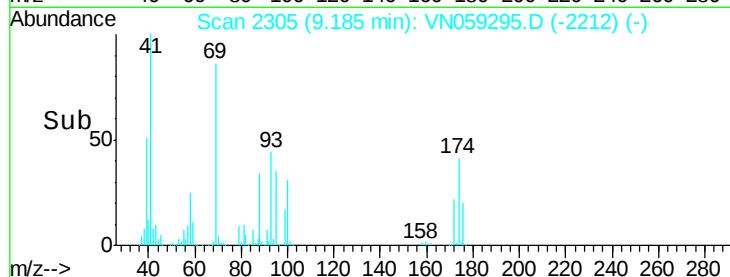
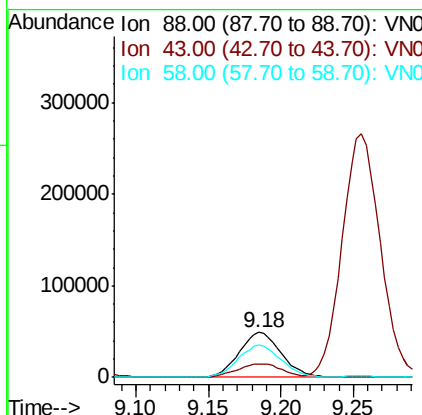
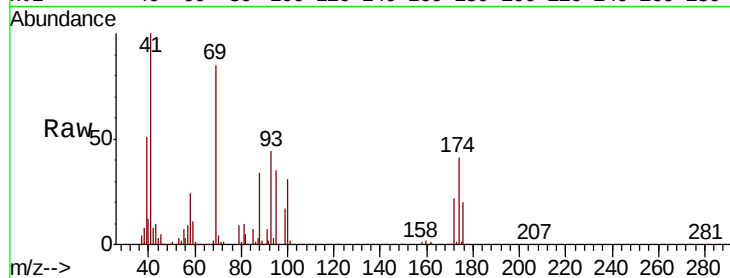
#49  
1,4-Dioxane  
Concen: 1207.865 ug/l  
RT: 9.18 min Scan# 2305  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 30.1  | 26.3  | 39.5  |
| 58      | 73.0  | 60.6  | 90.8  |

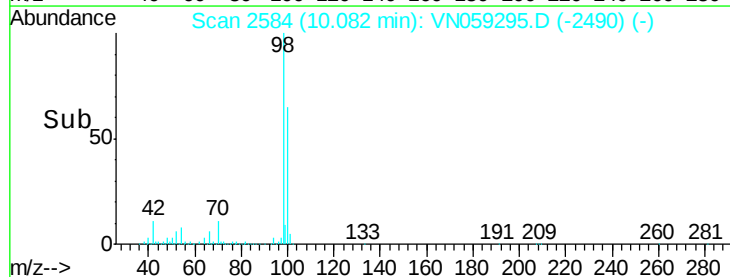
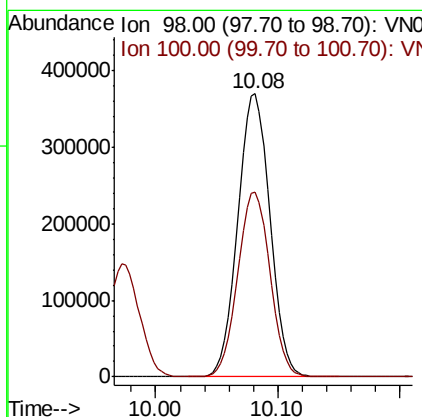
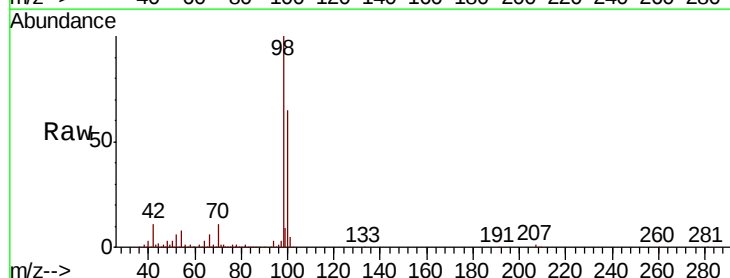
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#50  
Toluene-d8  
Concen: 46.081 ug/l  
RT: 10.08 min Scan# 2584  
Delta R.T. 0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.1  | 52.2  | 78.2  |





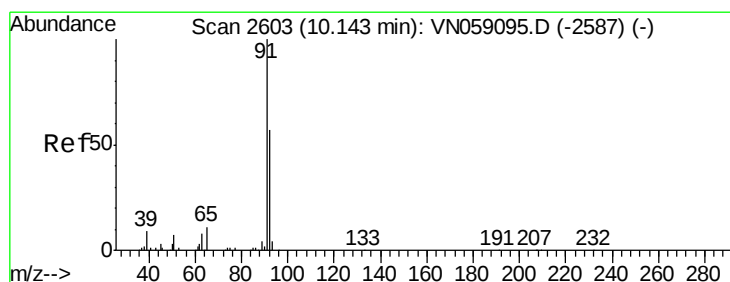
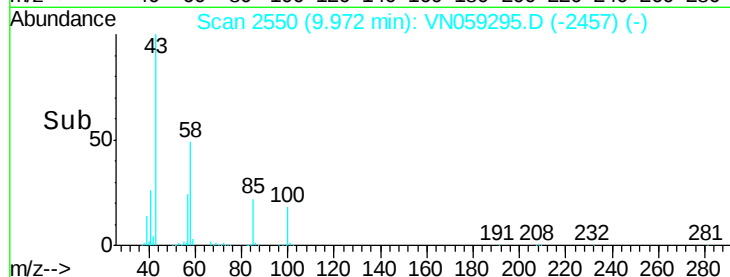
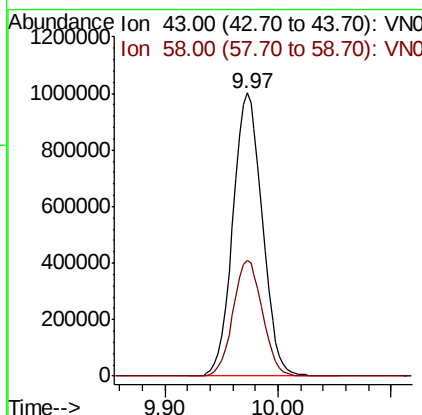
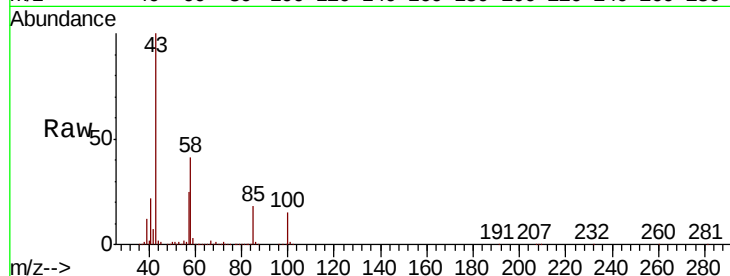
#51  
4-Methyl-2-Pentanone  
Concen: 310.023 ug/l  
RT: 9.97 min Scan# 2550  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1811105  
Ion Ratio Lower Upper  
43 100  
58 40.8 31.5 47.3

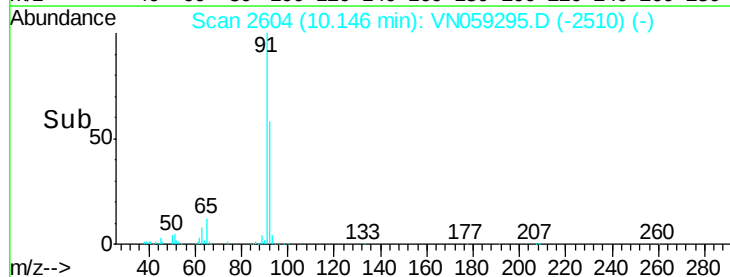
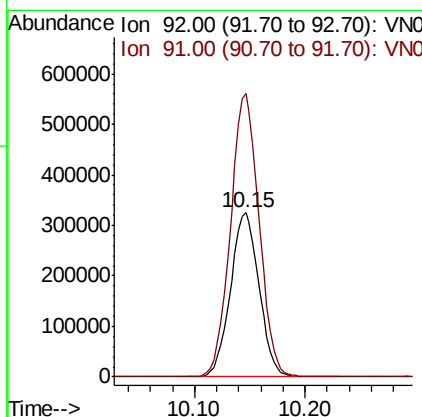
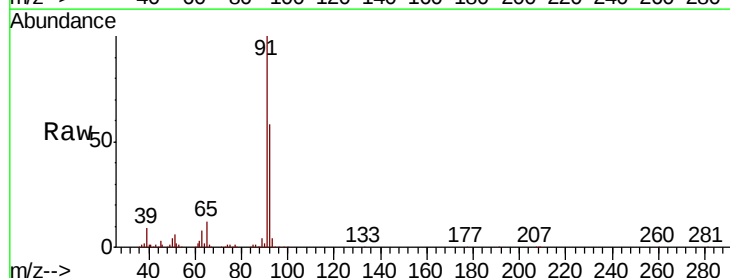
Manual Integrations  
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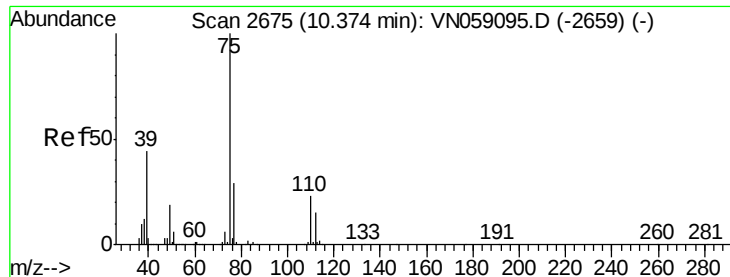
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#52  
Toluene  
Concen: 55.443 ug/l  
RT: 10.15 min Scan# 2604  
Delta R.T. 0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Tgt Ion: 92 Resp: 582543  
Ion Ratio Lower Upper  
92 100  
91 172.8 139.5 209.3





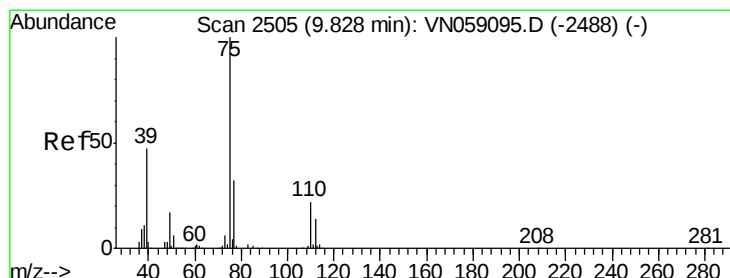
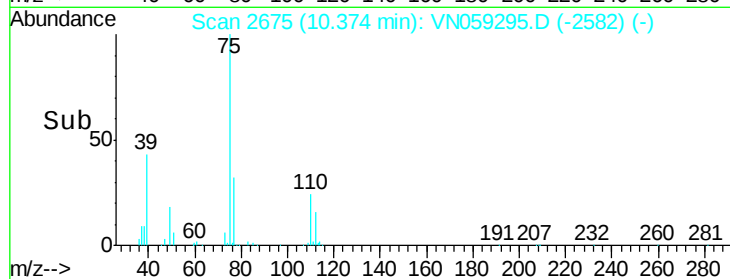
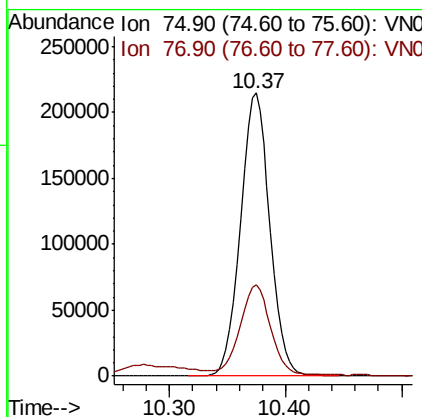
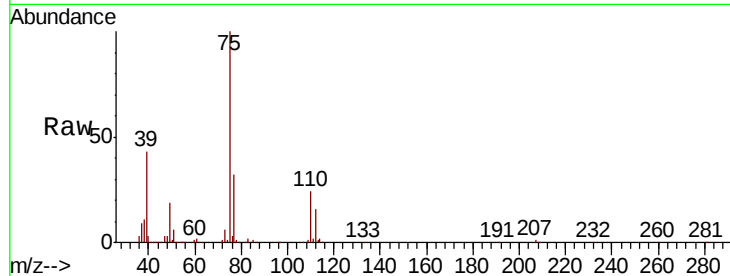
#53  
t-1,3-Dichloropropene  
Concen: 55.023 ug/l  
RT: 10.37 min Scan# 2675  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.6  | 25.3  | 37.9  |

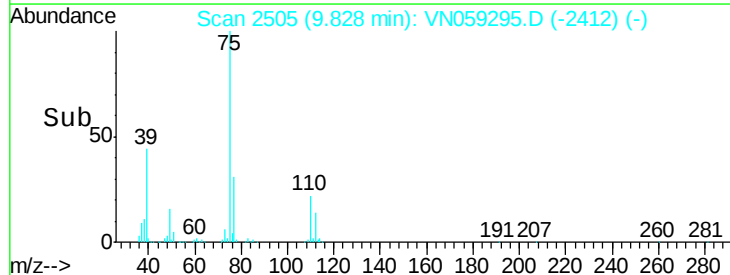
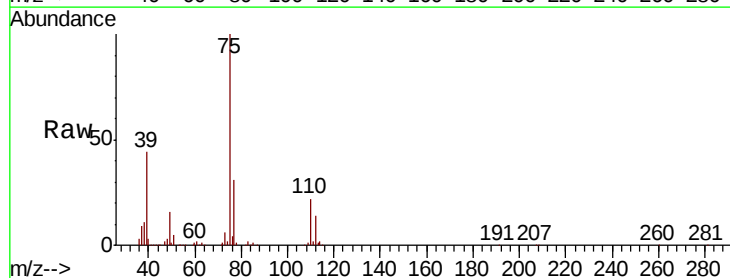
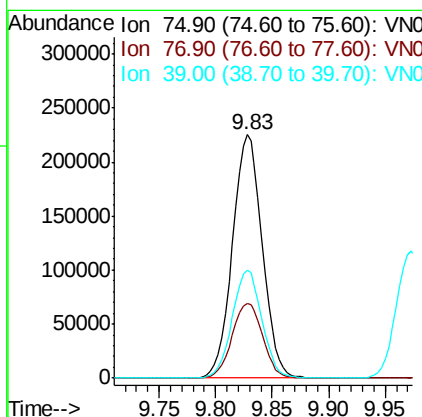
Manual Integrations  
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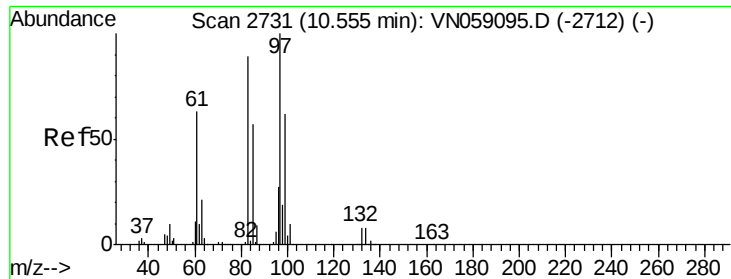
MMDADODA  
11/19/2019 11:03:46 AM



#54  
cis-1,3-Dichloropropene  
Concen: 56.034 ug/l  
RT: 9.83 min Scan# 2505  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.9  | 25.5  | 38.3  |
| 39      | 44.4  | 37.3  | 55.9  |





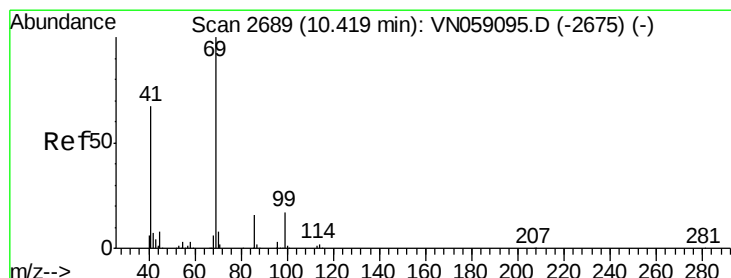
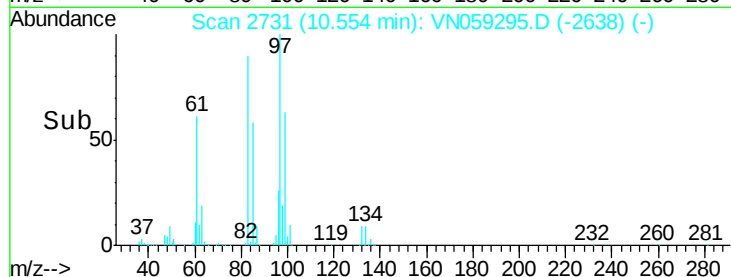
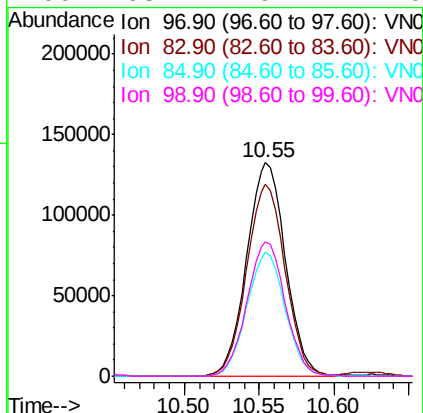
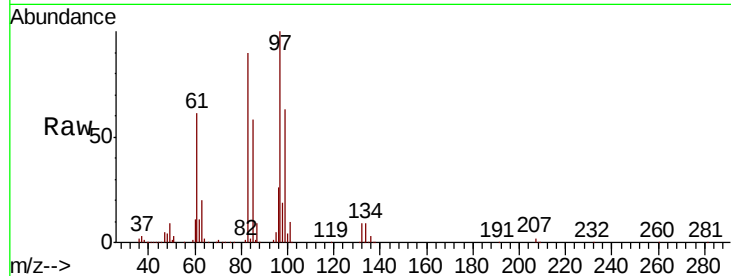
#55  
 1,1,2-Trichloroethane  
 Concen: 56.137 ug/l  
 RT: 10.55 min Scan# 2731  
 Delta R.T. -0.00 min  
 Lab File: VN059295.D  
 Acq: 18 Nov 2019 19:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 238710 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 89.9  | 71.0  | 106.4  |
| 85       | 57.9  | 45.8  | 68.8   |
| 99       | 63.2  | 49.4  | 74.0   |

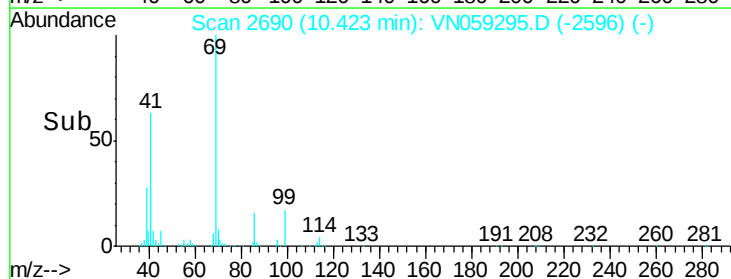
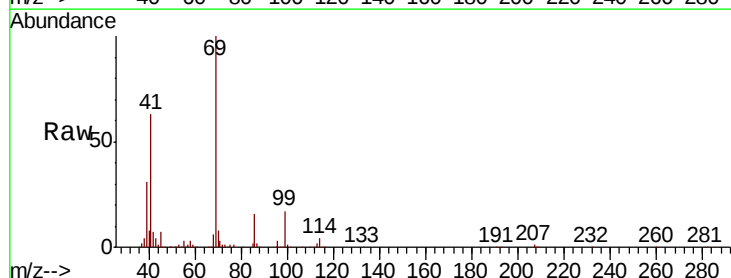
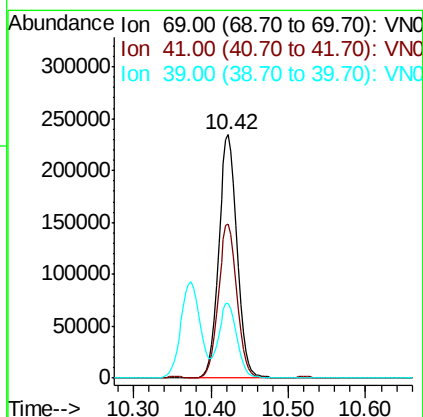
Manual Integrations  
 APPROVED

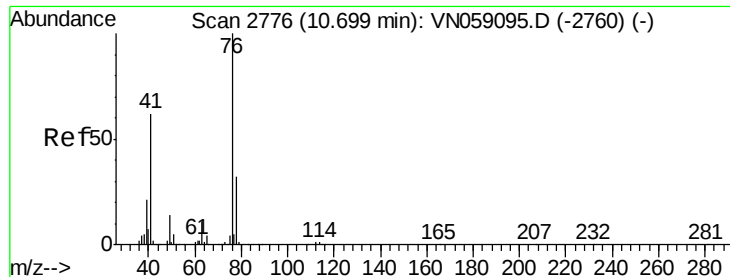
MMDADODA  
 11/19/2019 11:03:46 AM



#56  
 Ethyl methacrylate  
 Concen: 55.107 ug/l  
 RT: 10.42 min Scan# 2690  
 Delta R.T. 0.00 min  
 Lab File: VN059295.D  
 Acq: 18 Nov 2019 19:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 392246 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 63.4  | 53.6  | 80.4   |
| 39       | 30.0  | 26.2  | 39.4   |





#57

1,3-Dichloropropane

Concen: 56.150 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 410943

Ion Ratio Lower Upper

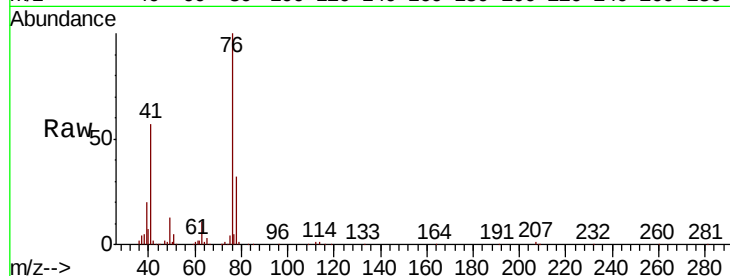
76 100

78 32.3 25.8 38.8

Manual Integrations  
APPROVED

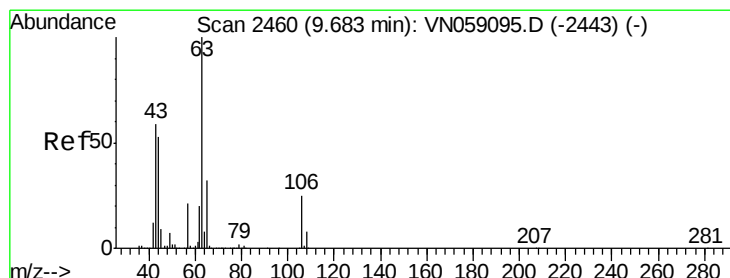
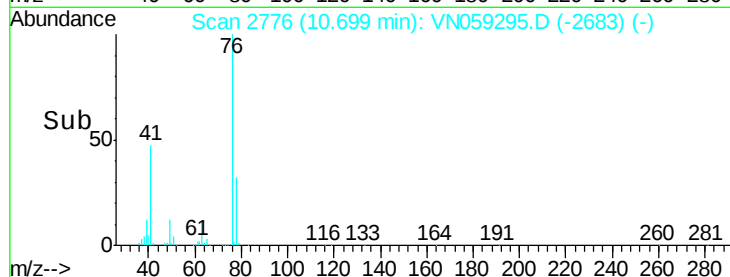
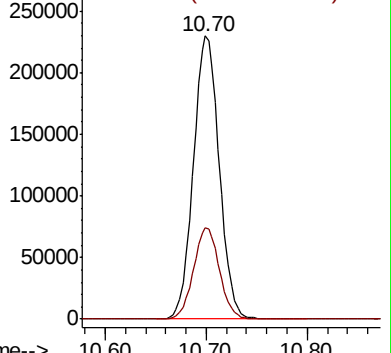
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 297.155 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059295.D

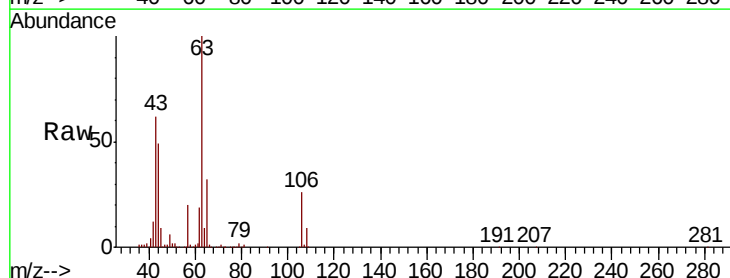
Acq: 18 Nov 2019 19:24

Tgt Ion: 63 Resp: 703219

Ion Ratio Lower Upper

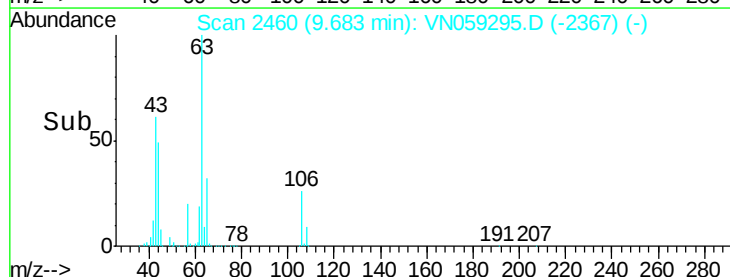
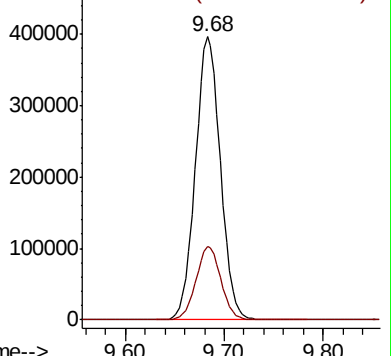
63 100

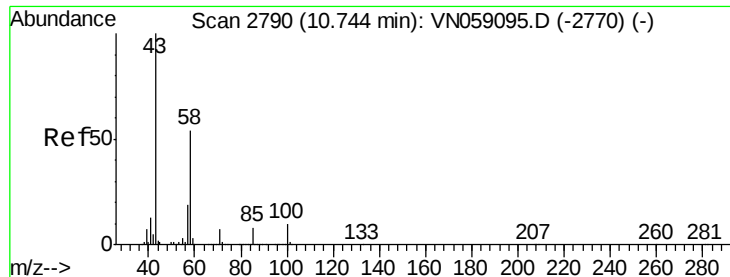
106 25.7 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





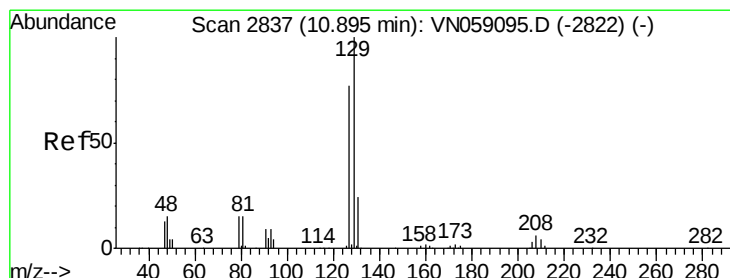
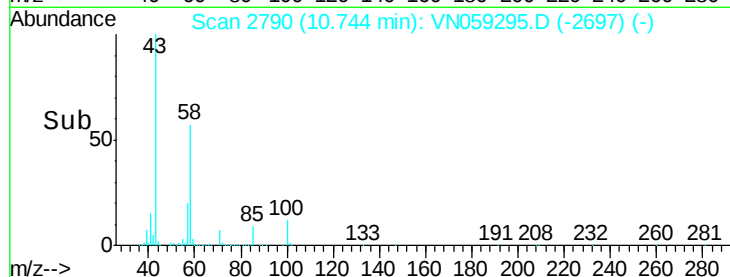
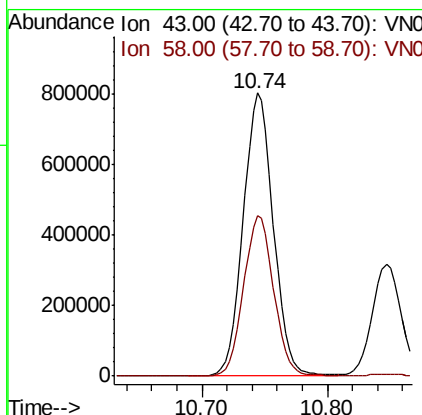
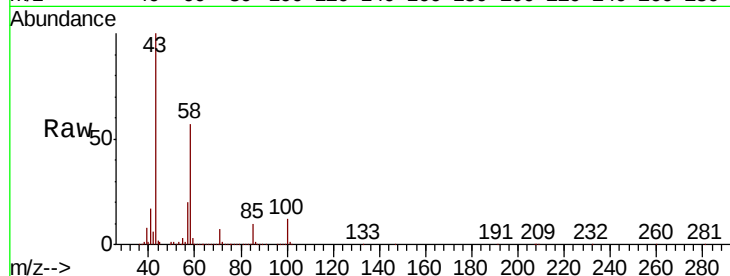
#59  
2-Hexanone  
Concen: 299.127 ug/l  
RT: 10.74 min Scan# 2790  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1341250  
Ion Ratio Lower Upper  
43 100  
58 56.8 27.3 81.8

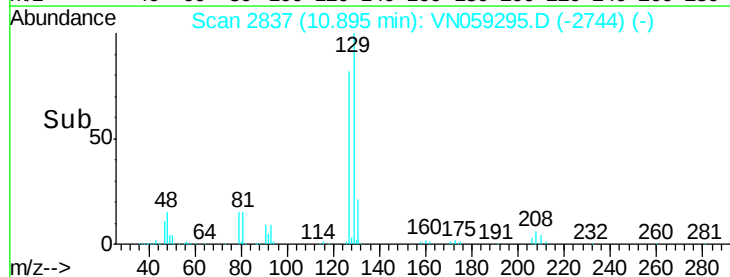
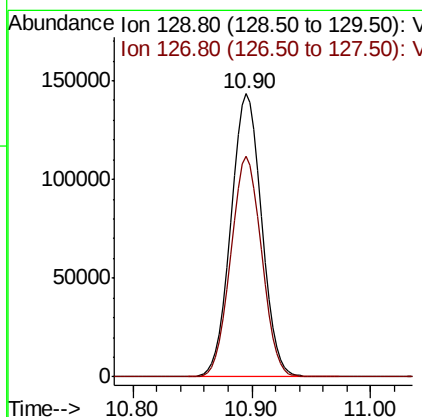
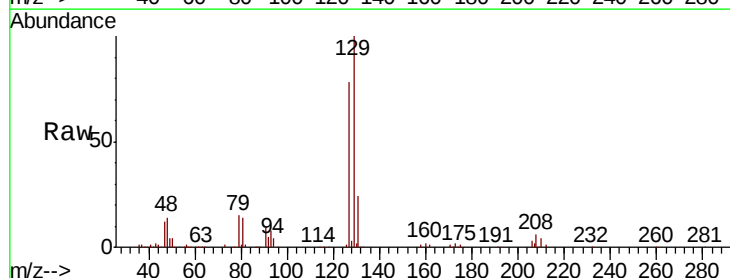
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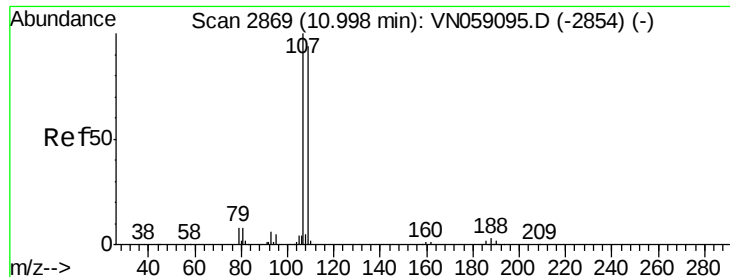
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#60  
Dibromochloromethane  
Concen: 57.161 ug/l  
RT: 10.90 min Scan# 2837  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Tgt Ion: 129 Resp: 256988  
Ion Ratio Lower Upper  
129 100  
127 78.0 38.6 115.8





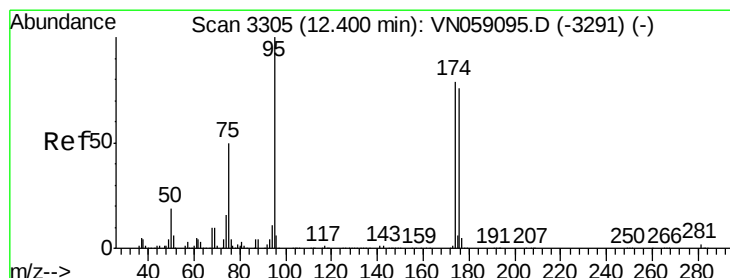
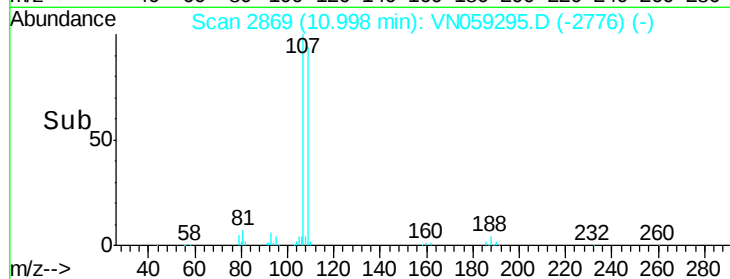
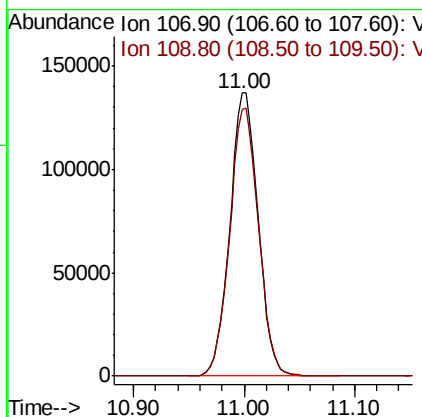
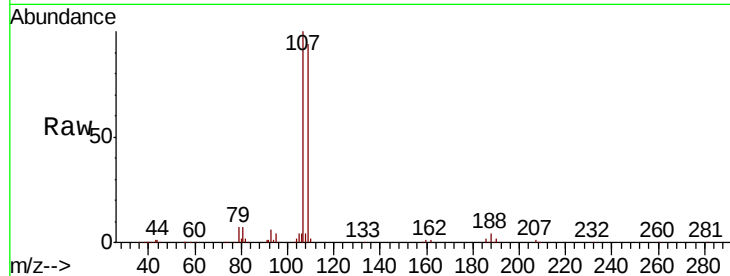
#61  
 1,2-Dibromoethane  
 Concen: 56.559 ug/l  
 RT: 11.00 min Scan# 2869  
 Delta R.T. -0.00 min  
 Lab File: VN059295.D  
 Acq: 18 Nov 2019 19:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 96.3  | 75.5  | 113.3 |

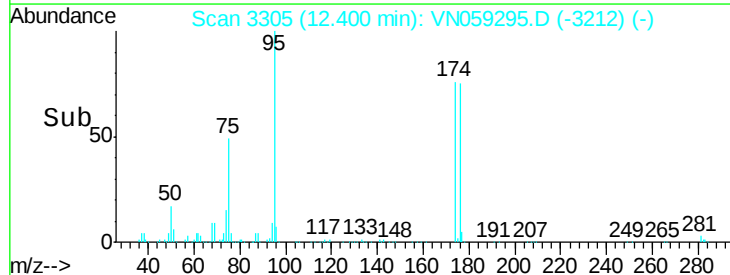
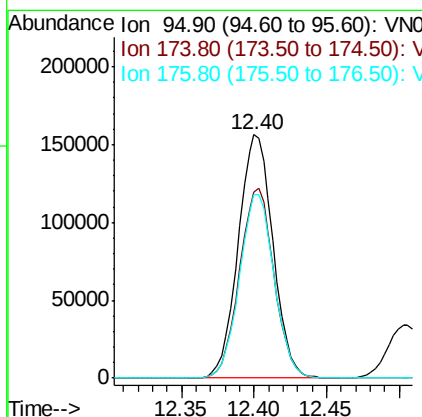
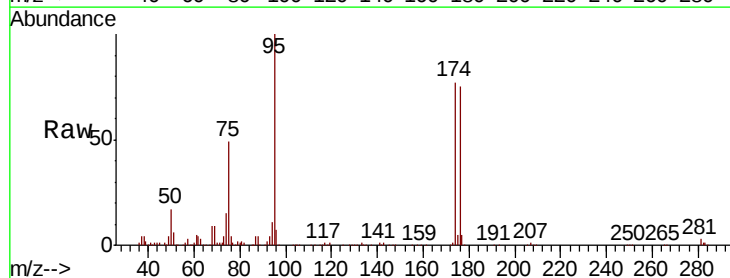
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#62  
 4-Bromofluorobenzene  
 Concen: 49.250 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN059295.D  
 Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 77.4  | 0.0   | 158.2 |
| 176     | 75.4  | 0.0   | 151.8 |





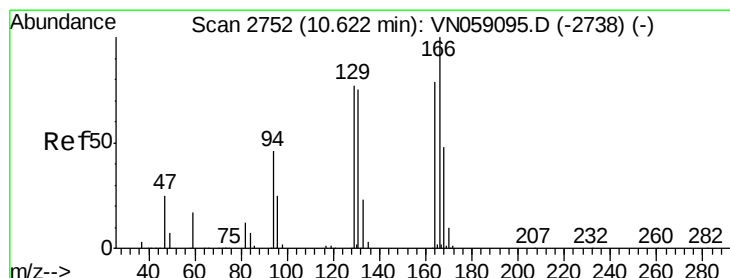
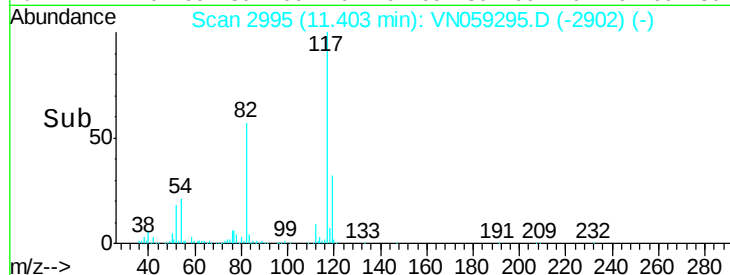
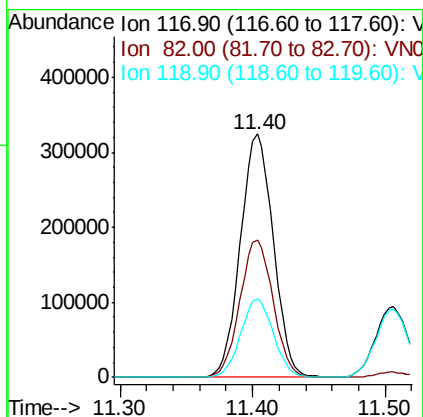
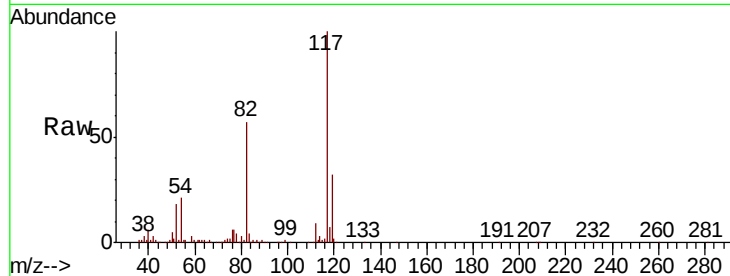
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 561587 |       |       |
| 82      | 56.5  | 45.8   | 68.8  |       |
| 119     | 32.1  | 25.8   | 38.6  |       |

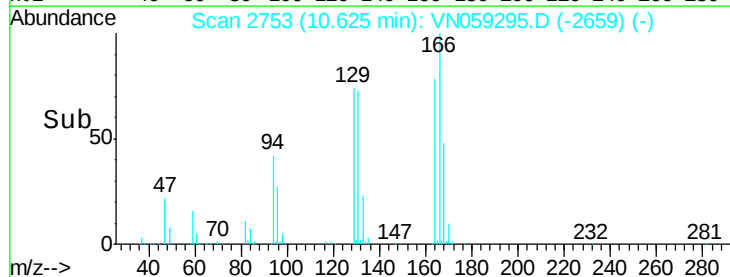
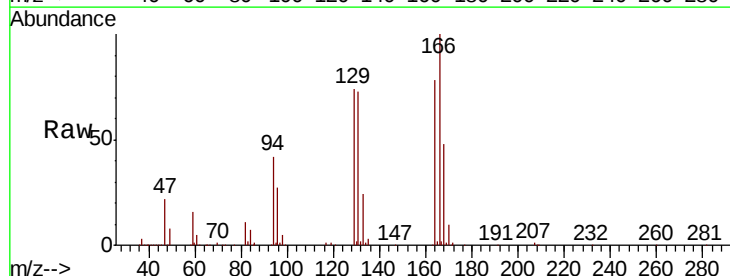
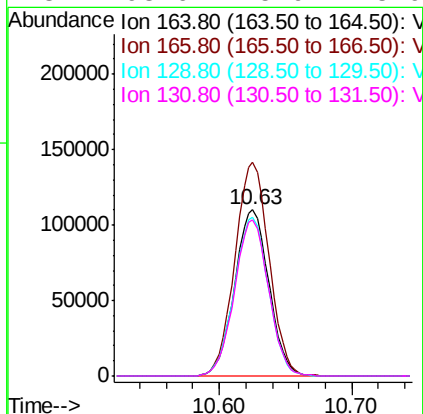
Manual Integrations  
APPROVED

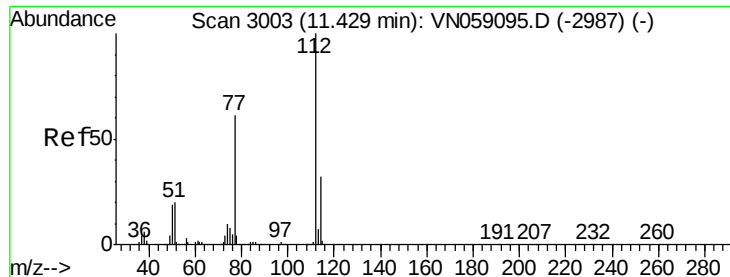
MMDADODA  
11/19/2019 11:03:46 AM



#64  
Tetrachloroethene  
Concen: 51.853 ug/l  
RT: 10.63 min Scan# 2753  
Delta R.T. 0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 198013 |       |       |
| 166     | 128.6 | 101.5  | 152.3 |       |
| 129     | 95.7  | 78.3   | 117.5 |       |
| 131     | 93.6  | 75.9   | 113.9 |       |





#65

Chlorobenzene

Concen: 56.131 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 614500

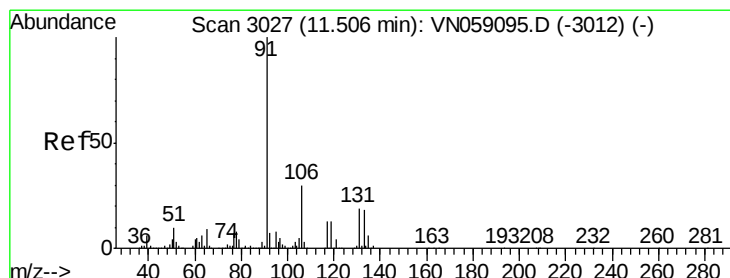
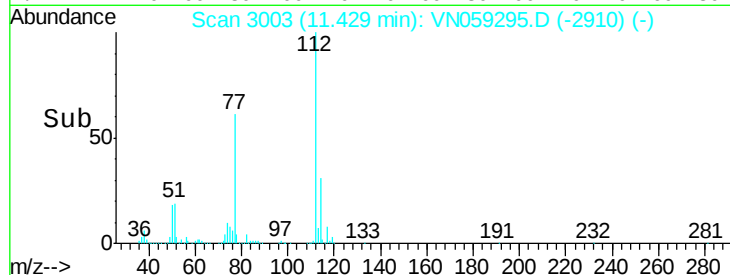
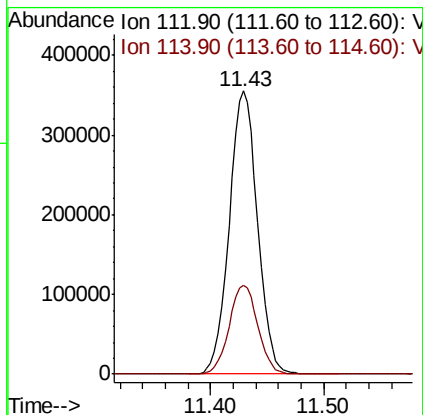
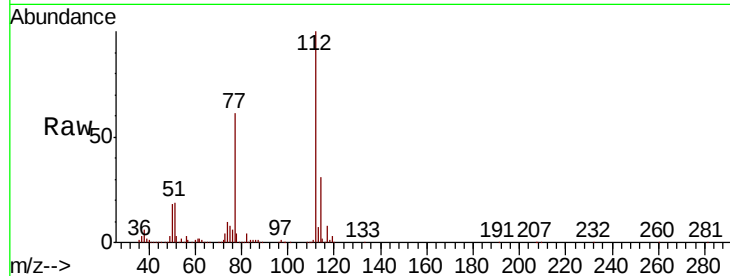
Ion Ratio Lower Upper

112 100

114 31.5 25.2 37.8

Manual Integrations  
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11/19/2019 11:03:46 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 56.714 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

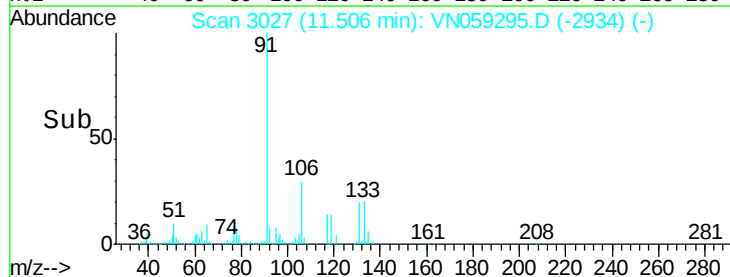
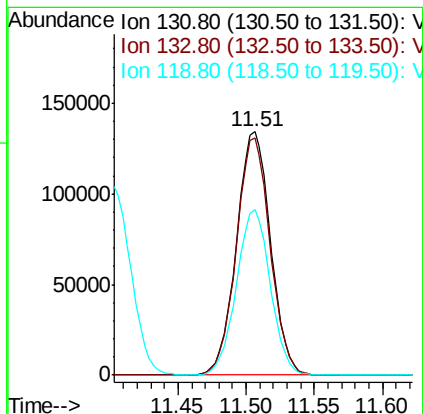
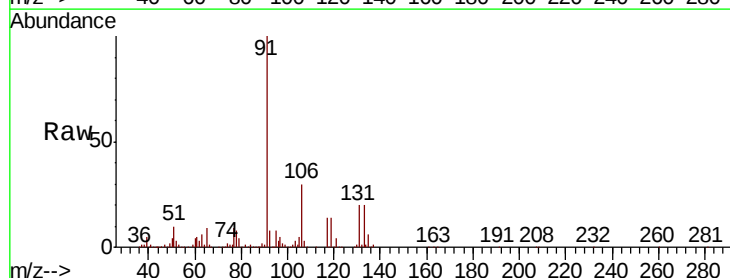
Tgt Ion:131 Resp: 232907

Ion Ratio Lower Upper

131 100

133 97.1 47.4 142.3

119 67.7 33.2 99.6





#67

Ethyl Benzene

Concen: 57.457 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1116013

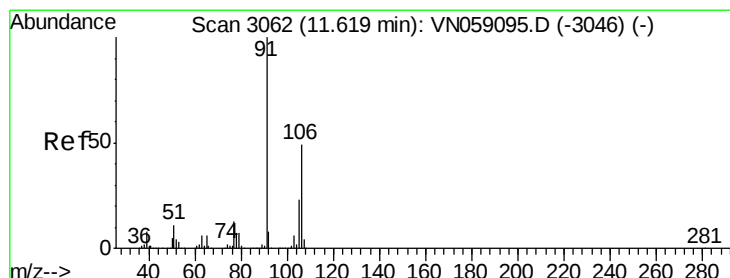
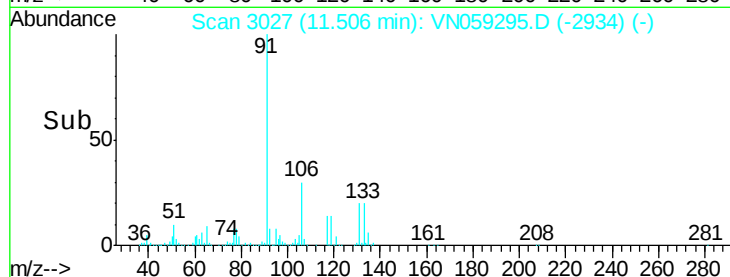
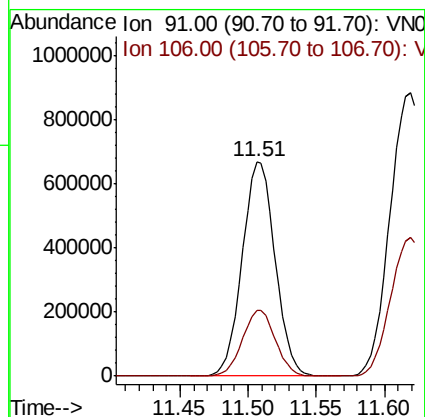
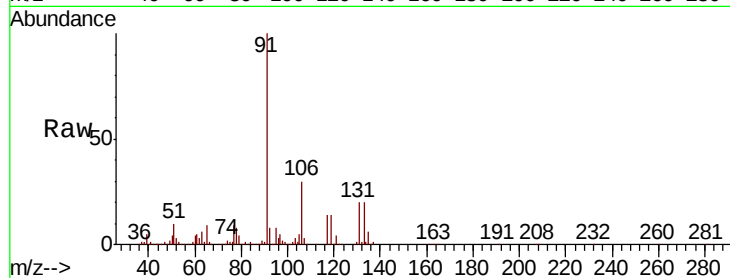
Ion Ratio Lower Upper

91 100

106 30.4 24.1 36.1

Manual Integrations  
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#68

m/p-Xylenes

Concen: 113.954 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059295.D

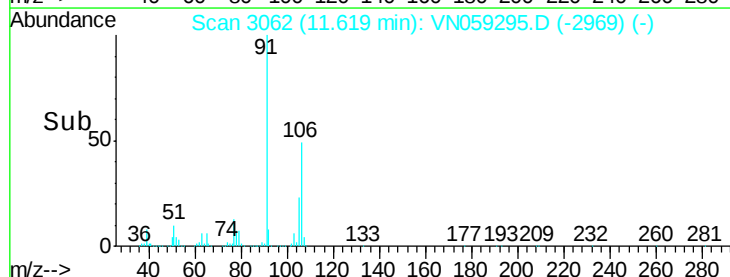
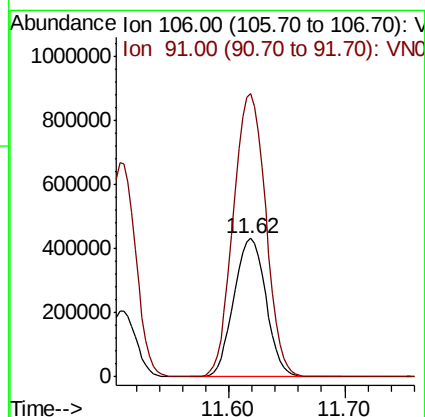
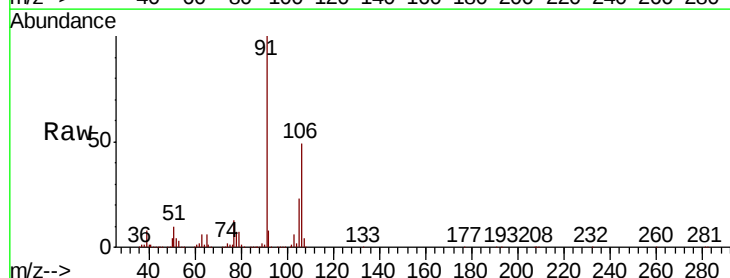
Acq: 18 Nov 2019 19:24

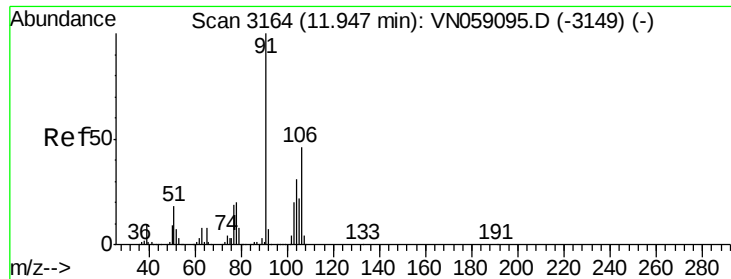
Tgt Ion: 106 Resp: 829104

Ion Ratio Lower Upper

106 100

91 206.7 164.7 247.1





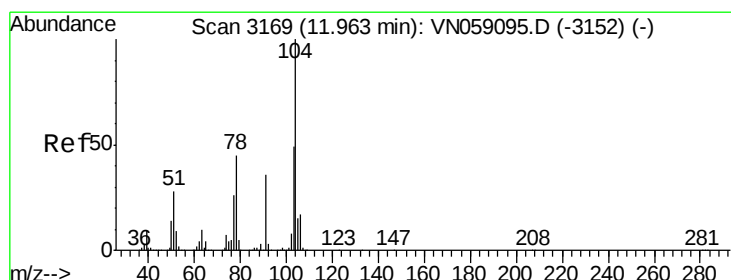
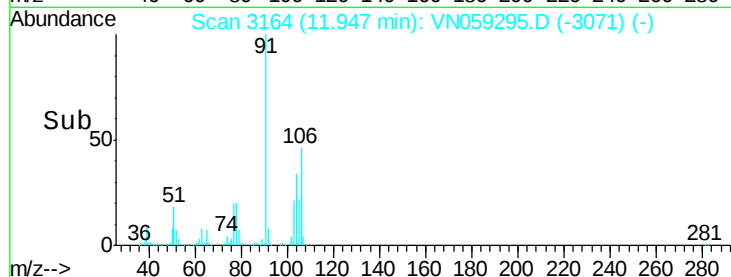
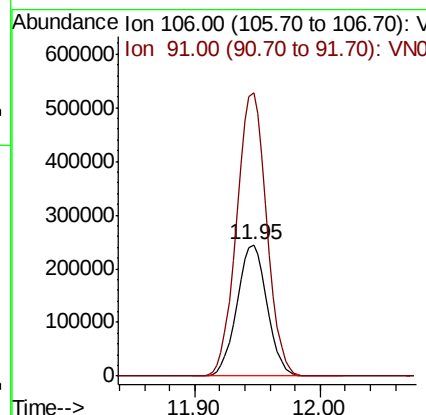
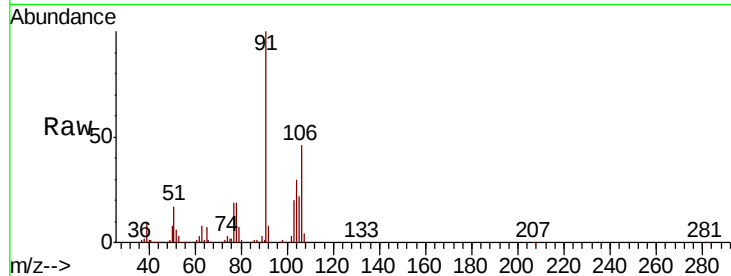
#69  
o-Xylene  
Concen: 57.823 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 215.4 | 110.1 | 330.3 |       |

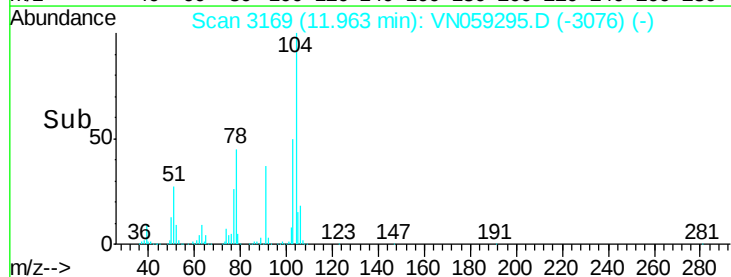
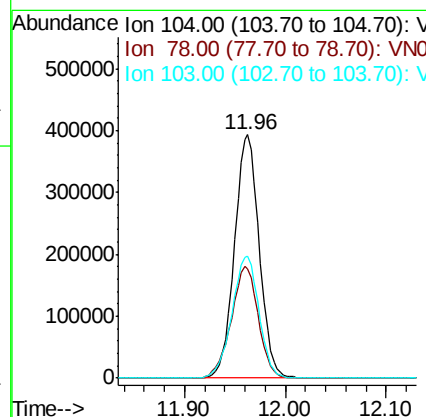
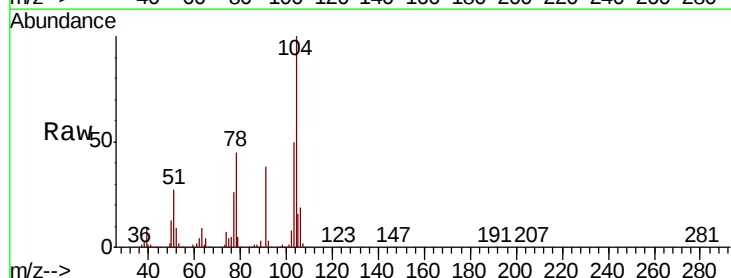
Manual Integrations  
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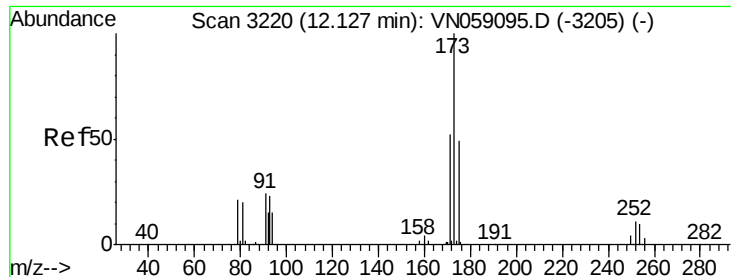
MMDADODA  
11/19/2019 11:03:46 AM



#70  
Styrene  
Concen: 60.925 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 50.2 | 41.2  | 61.8  |       |
| 103     | 54.6 | 43.8  | 65.6  |       |





#71

Bromoform

Concen: 58.684 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

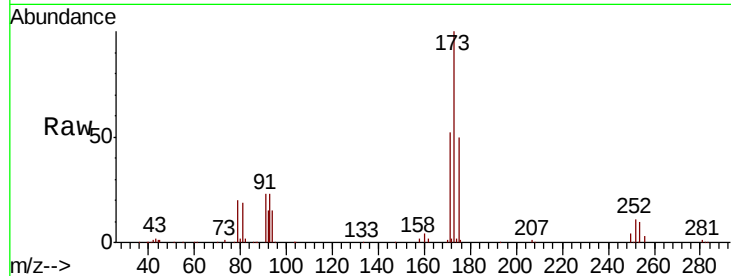
ClientSampleId :

VSTDCCC050EC

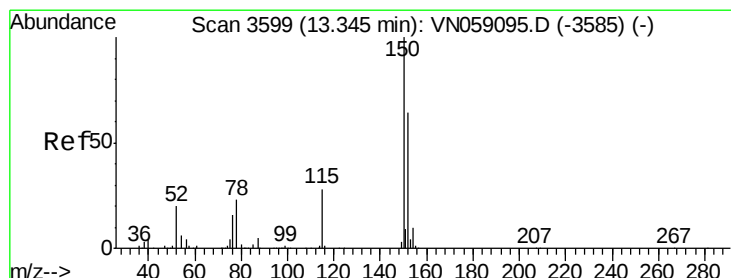
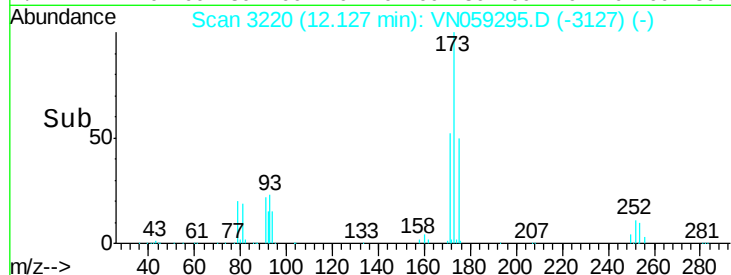
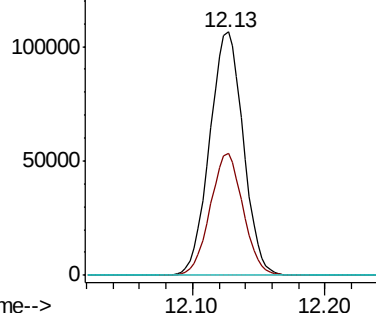
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.0  | 24.2  | 72.6  |
| 254     | 0.0   | 0.1   | 0.1#  |

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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

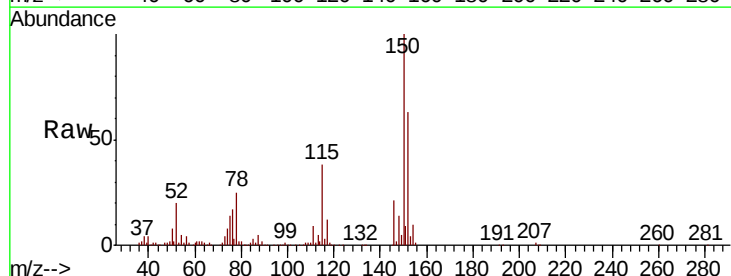
RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

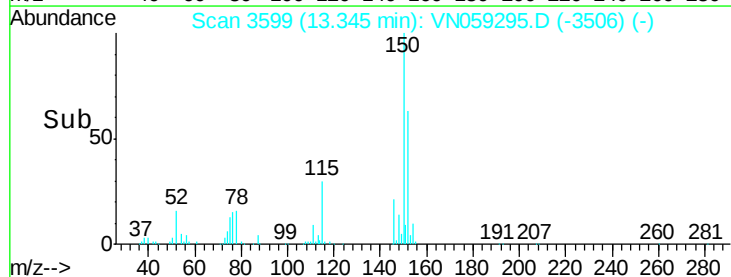
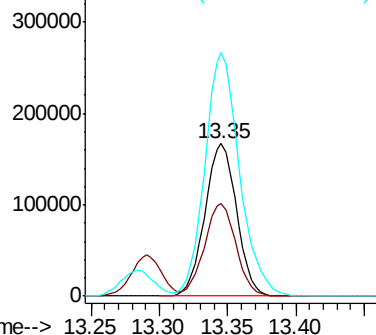
Lab File: VN059295.D

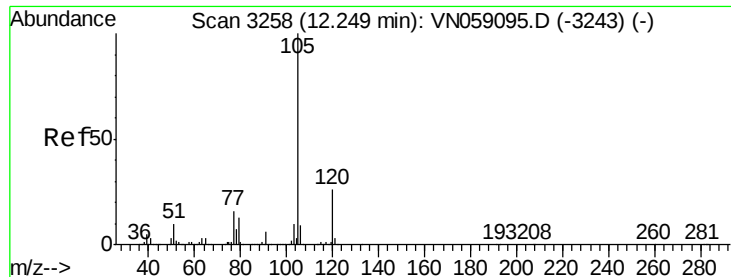
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.0  | 29.4  | 88.2  |
| 150     | 173.0 | 0.0   | 345.8 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.570 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1093532

Ion Ratio Lower Upper

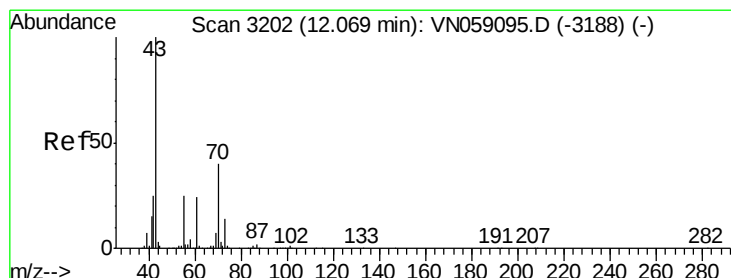
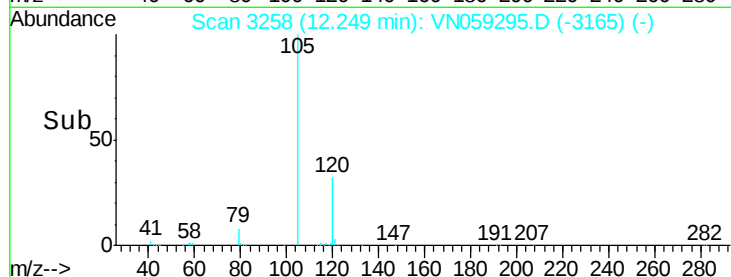
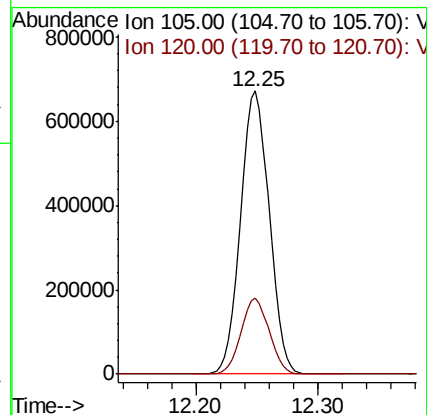
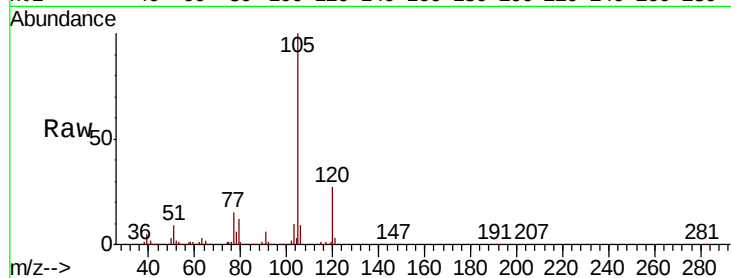
105 100

120 26.3 13.1 39.3

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#74

N-ethyl acetate

Concen: 58.090 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Tgt Ion: 43 Resp: 484385

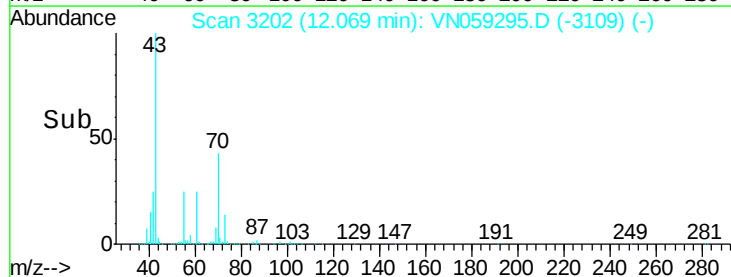
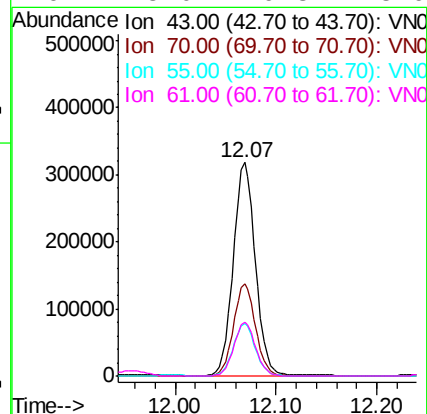
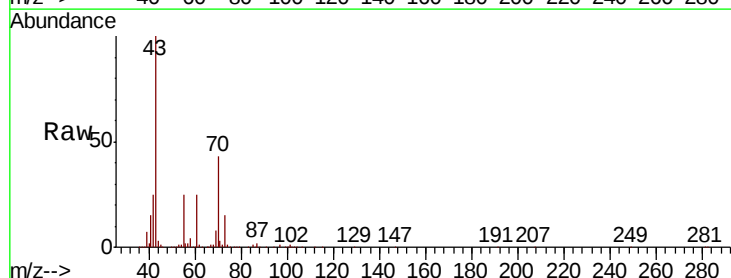
Ion Ratio Lower Upper

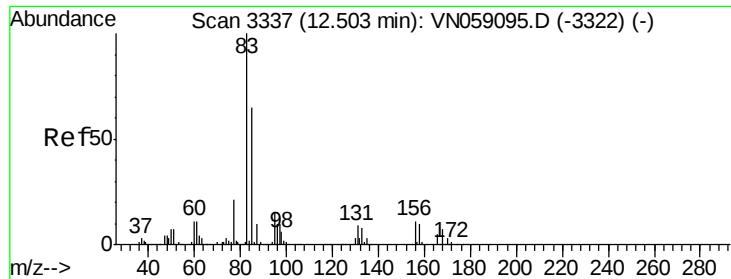
43 100

70 43.4 32.2 48.4

55 24.7 20.4 30.6

61 25.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 55.826 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

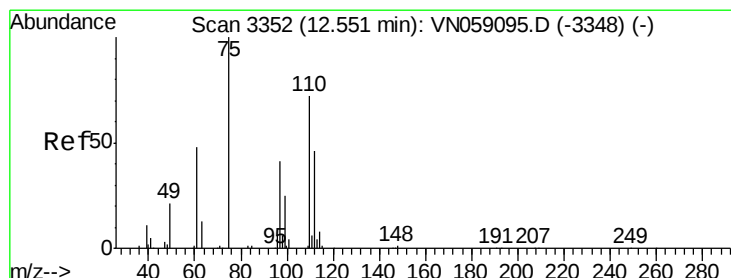
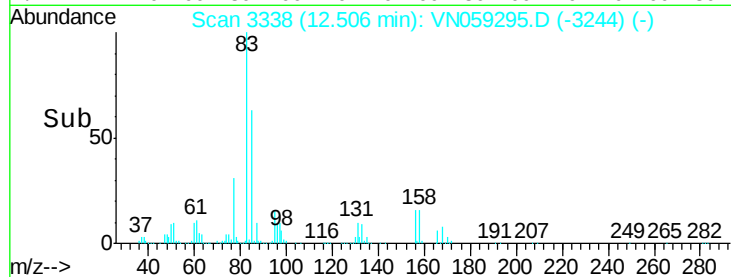
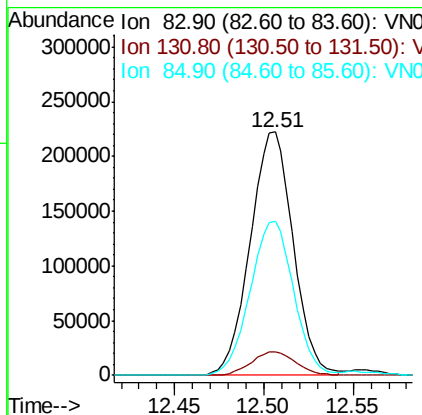
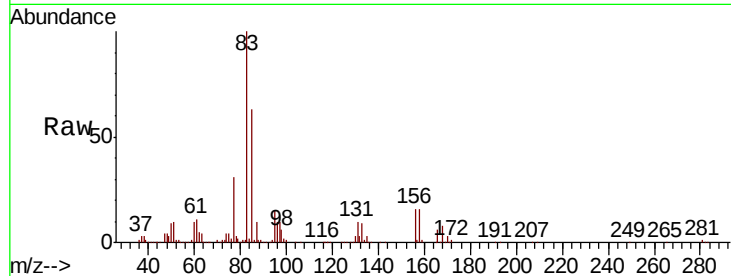
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 374115 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.1  | 4.9   | 14.6   |
| 85        | 64.0  | 32.4  | 97.2   |

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#76

1,2,3-Trichloropropane

Concen: 53.456 ug/l m

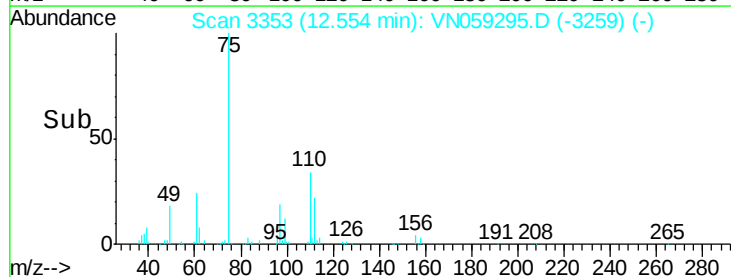
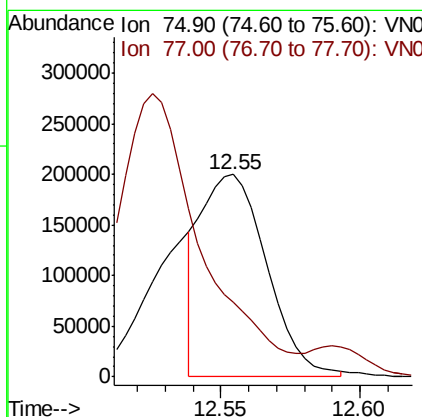
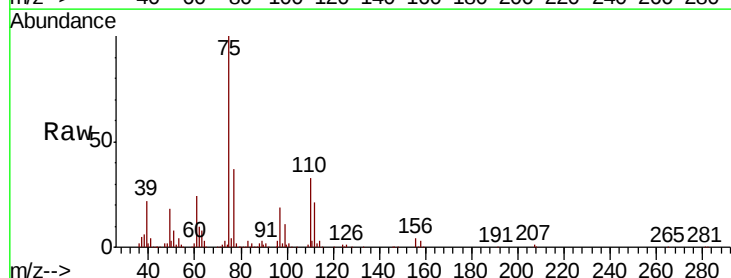
RT: 12.55 min Scan# 3353

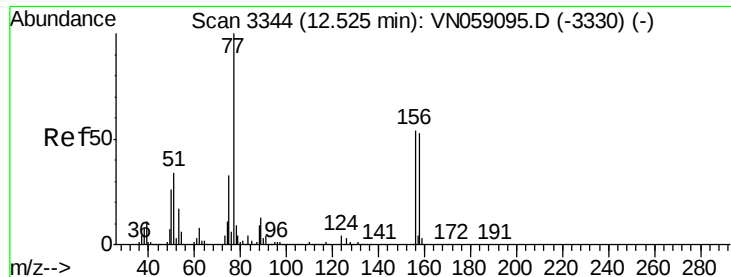
Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 329237 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 52.780 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

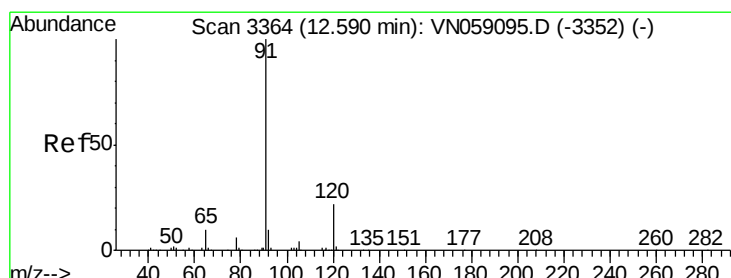
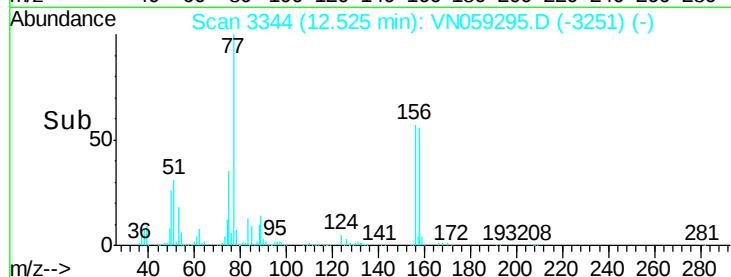
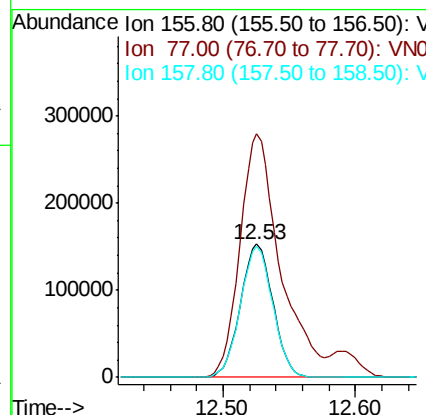
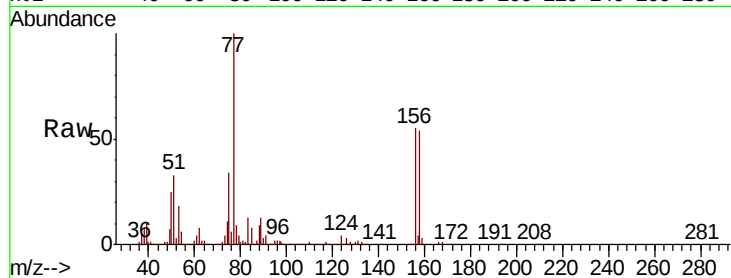
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 156   | Resp: | 260946 |
| Ion      | Ratio | Lower | Upper  |
| 156      | 100   |       |        |
| 77       | 225.7 | 112.8 | 338.3  |
| 158      | 98.1  | 48.4  | 145.3  |

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#78

n-propylbenzene

Concen: 56.361 ug/l

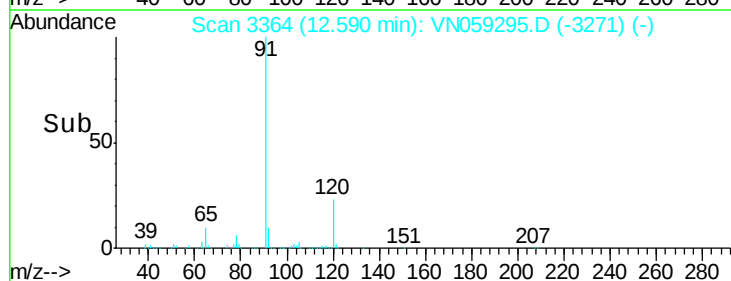
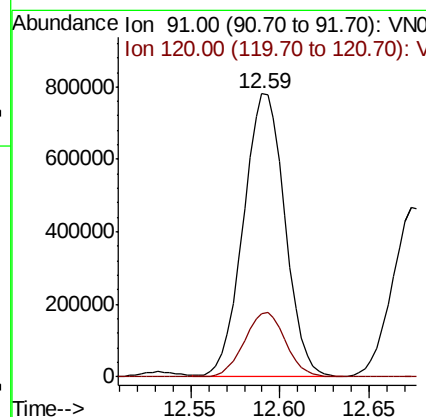
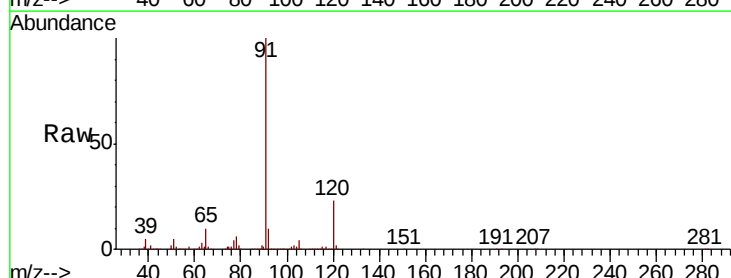
RT: 12.59 min Scan# 3364

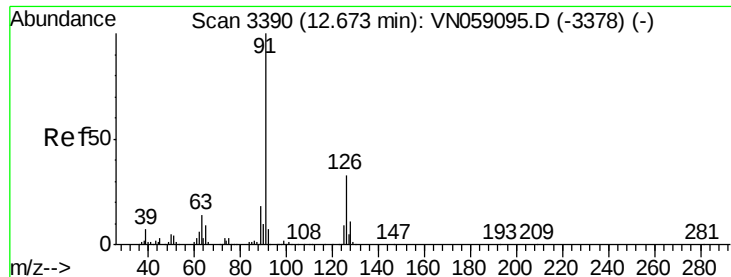
Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 91    | Resp: | 1269907 |
| Ion      | Ratio | Lower | Upper   |
| 91       | 100   |       |         |
| 120      | 22.5  | 11.2  | 33.5    |





#79

2-Chlorotoluene

Concen: 54.678 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 764269

Ion Ratio Lower Upper

91 100

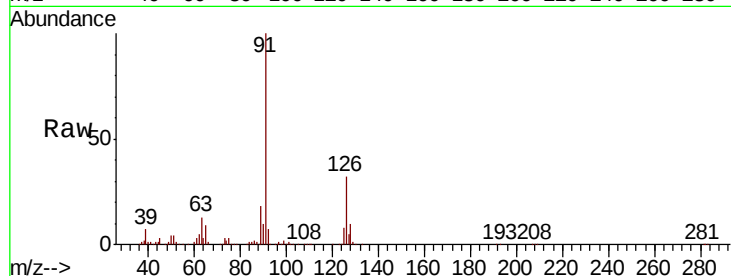
126 32.5 16.7 50.1

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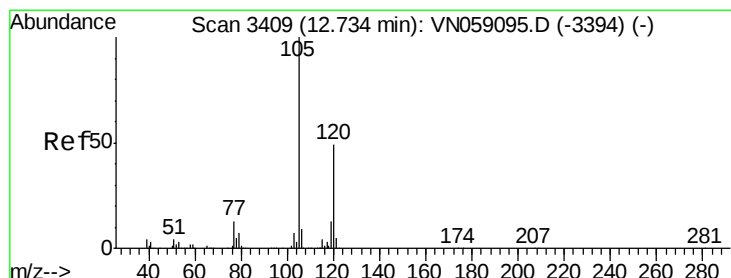
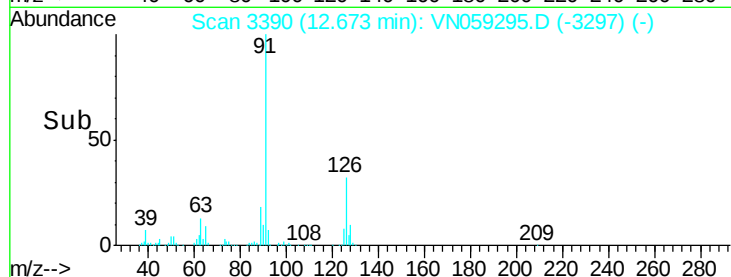
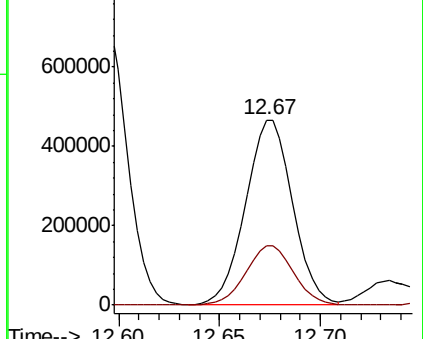
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Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059095.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.628 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059295.D

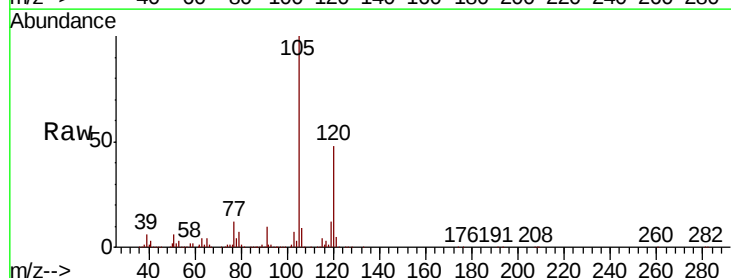
Acq: 18 Nov 2019 19:24

Tgt Ion: 105 Resp: 927563

Ion Ratio Lower Upper

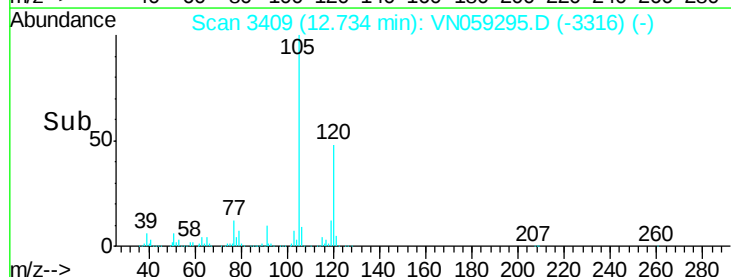
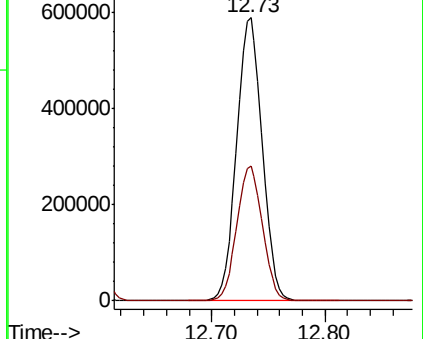
105 100

120 47.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059095.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059095.D (-3394) (-)





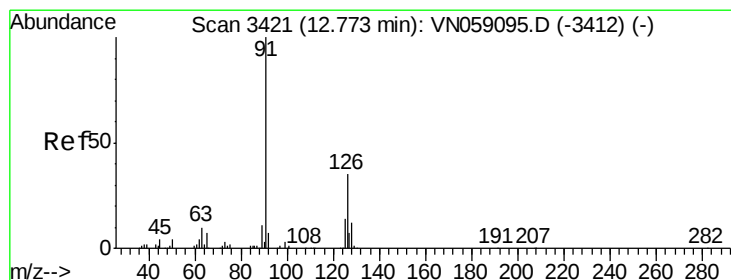
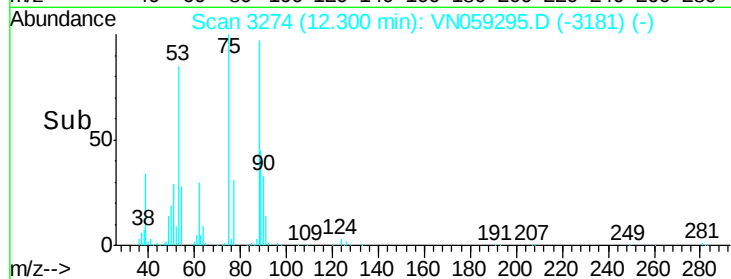
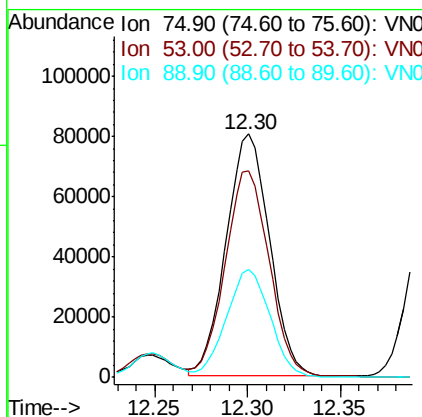
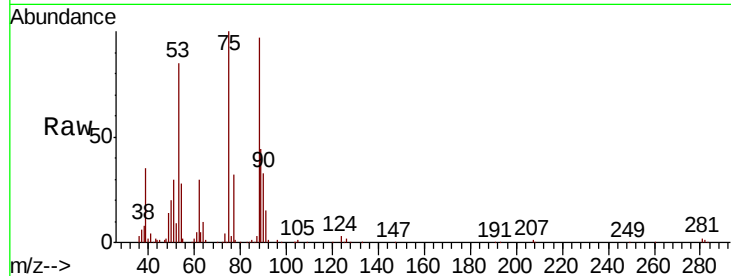
#81  
trans-1,4-Dichloro-2-butene  
Concen: 56.257 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 86.5  | 72.2  | 108.2 |
| 89      | 44.9  | 35.8  | 53.8  |

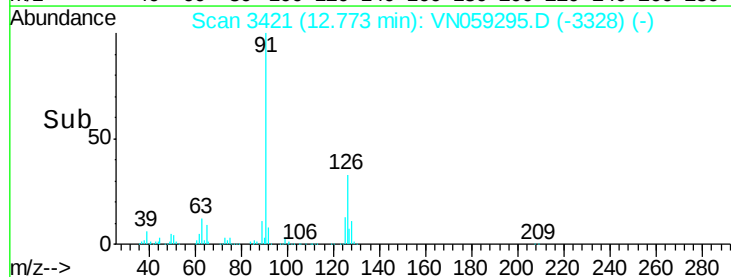
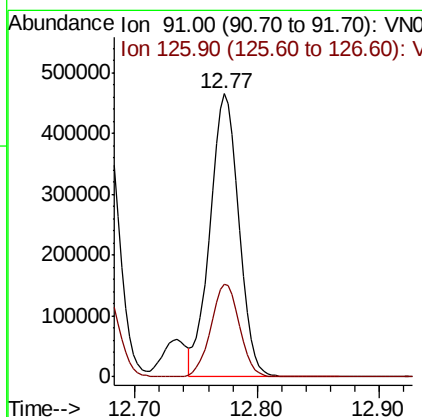
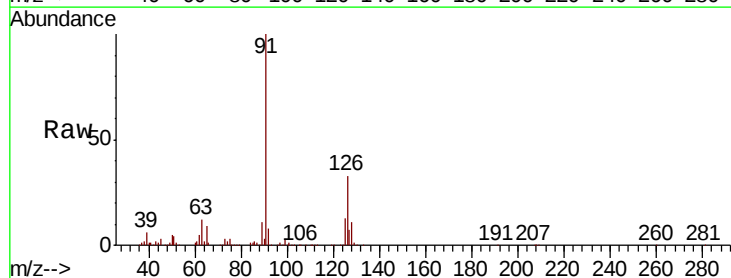
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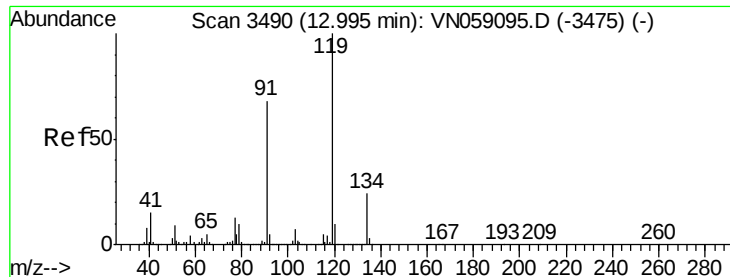
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#82  
4-Chlorotoluene  
Concen: 55.062 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.6  | 16.1  | 48.2  |





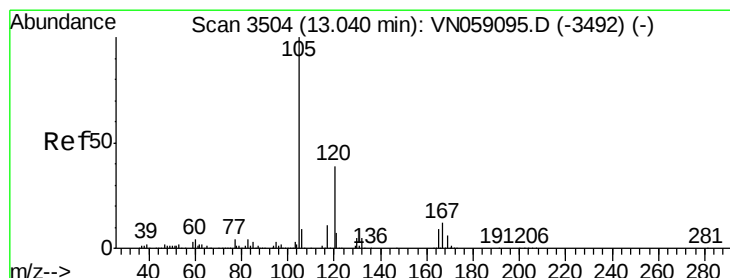
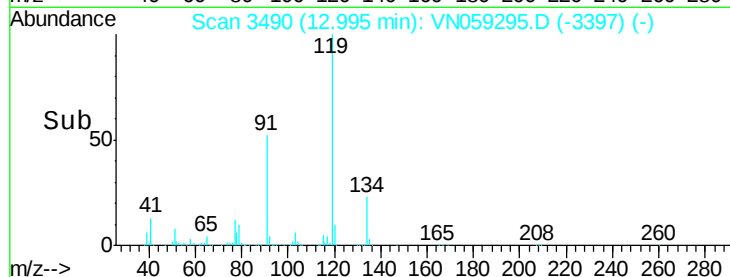
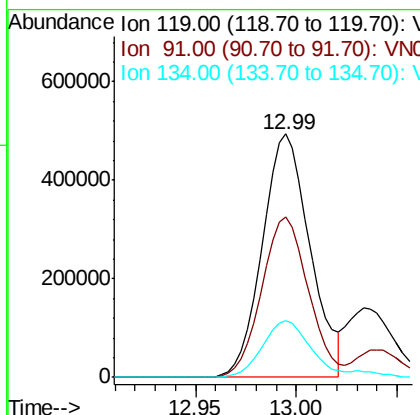
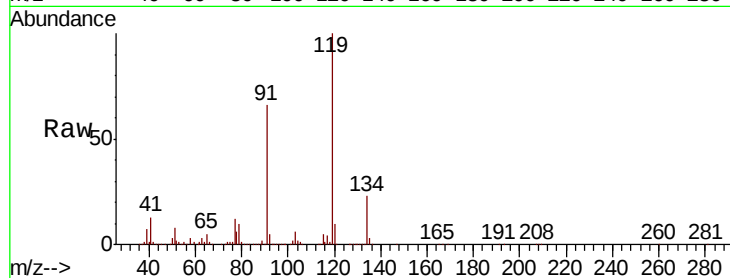
#83  
 tert-Butylbenzene  
 Concen: 56.453 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. -0.00 min  
 Lab File: VN059295.D  
 Acq: 18 Nov 2019 19:24

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 64.7  | 33.2  | 99.6  |
| 134     | 25.0  | 12.7  | 38.1  |

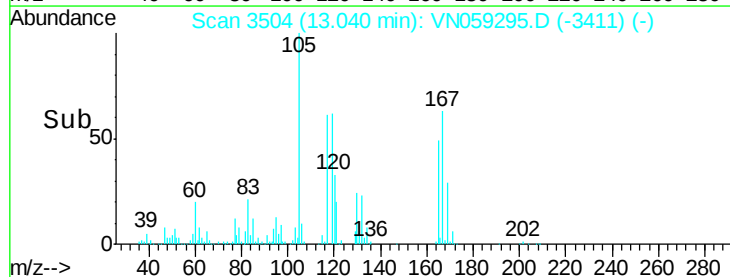
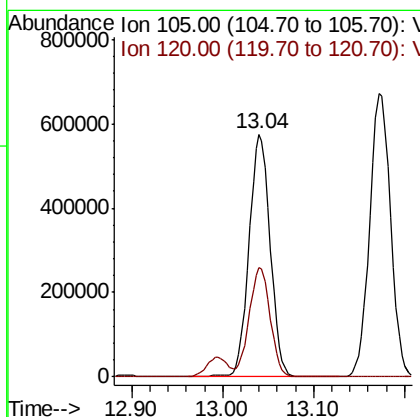
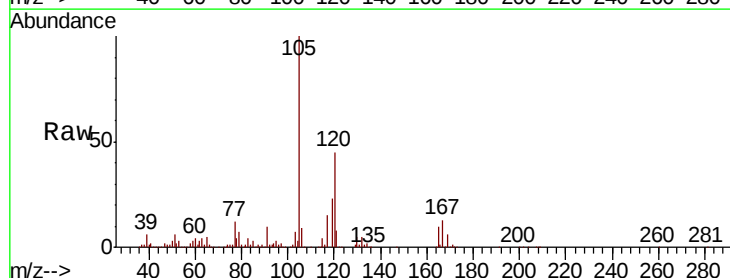
Manual Integrations  
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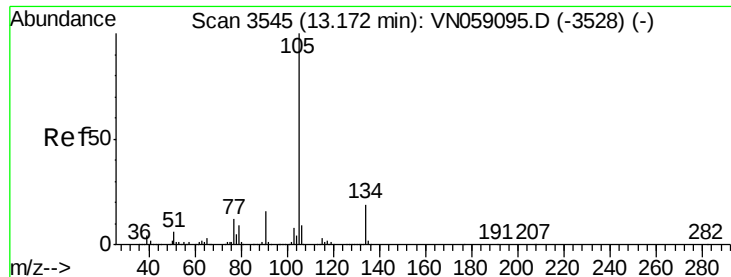
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 57.388 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. -0.00 min  
 Lab File: VN059295.D  
 Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.1  | 22.8  | 68.4  |





#85

sec-Butylbenzene

Concen: 57.079 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1068951

Ion Ratio Lower Upper

105 100

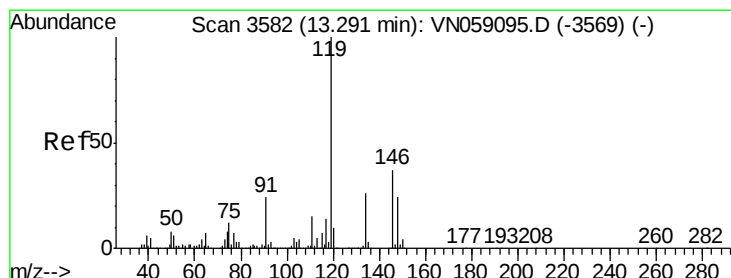
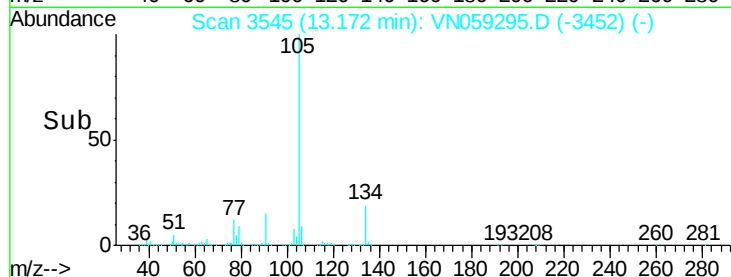
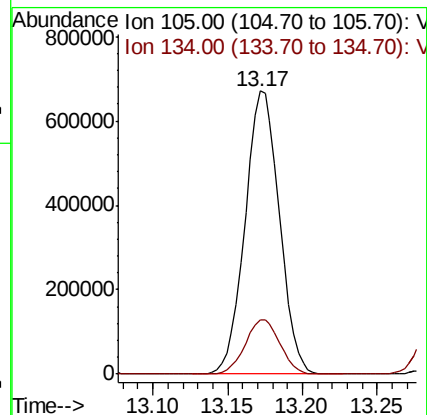
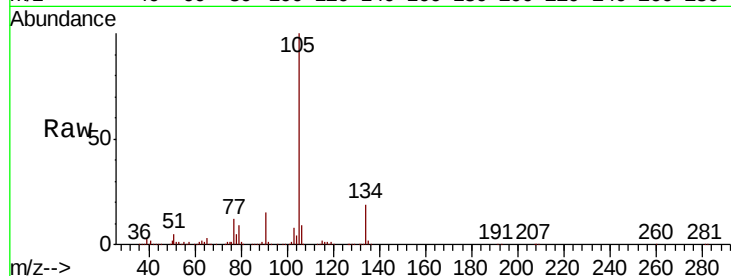
134 19.5 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 58.257 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

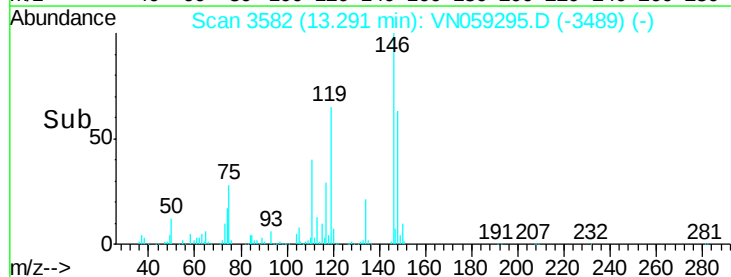
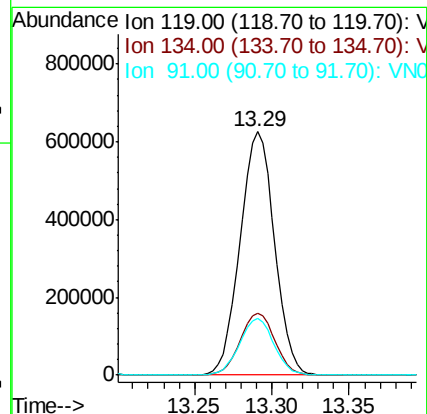
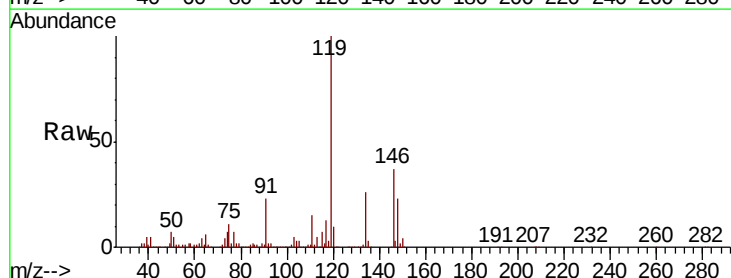
Tgt Ion:119 Resp: 963332

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 23.2 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 54.895 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

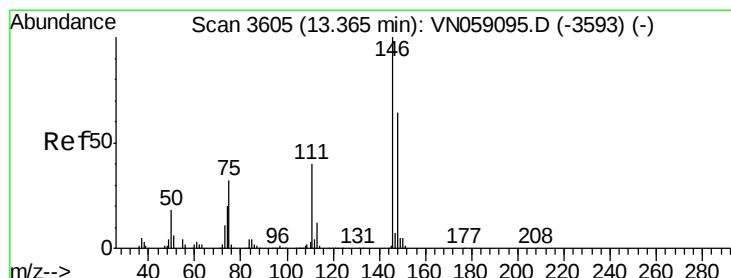
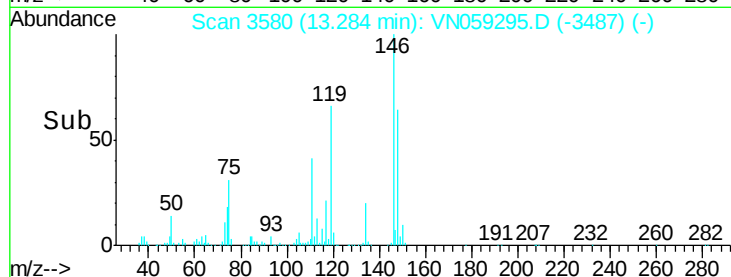
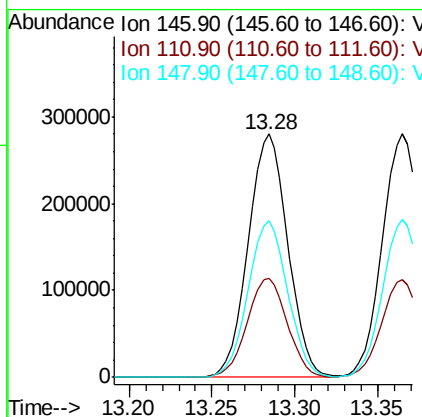
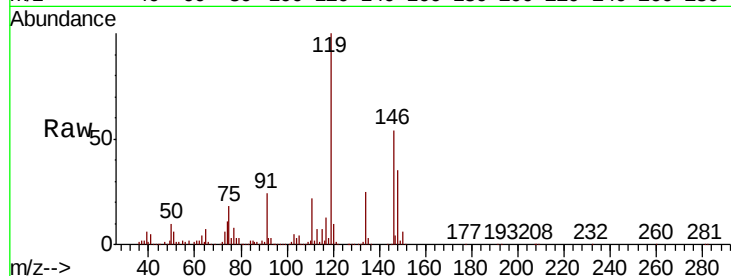
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 464756 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.6  | 20.4  | 61.3   |
| 148       | 64.3  | 32.2  | 96.6   |

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#88

1,4-Dichlorobenzene

Concen: 54.406 ug/l

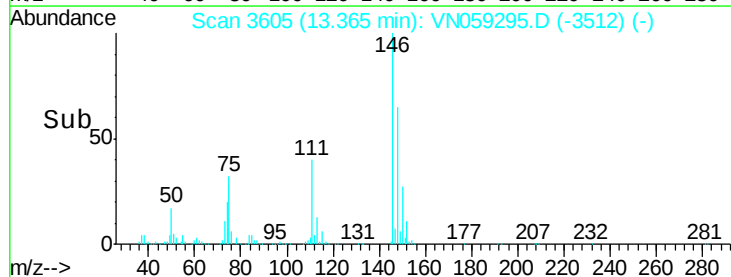
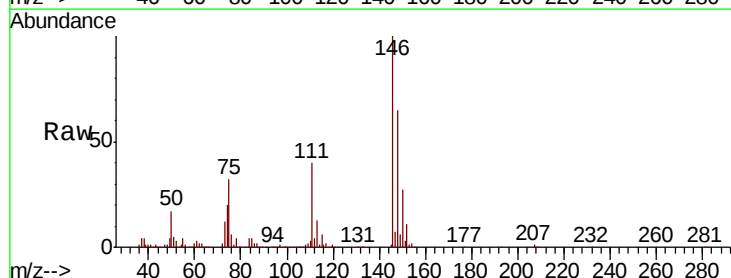
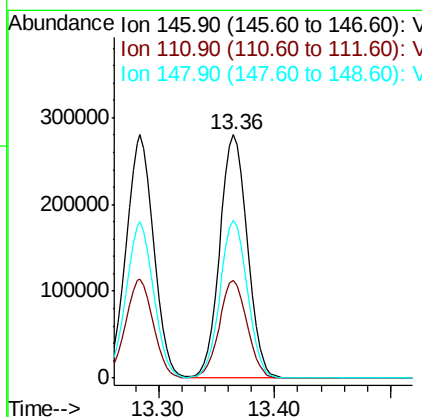
RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 460853 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.2  | 20.3  | 60.9   |
| 148       | 64.4  | 31.9  | 95.7   |





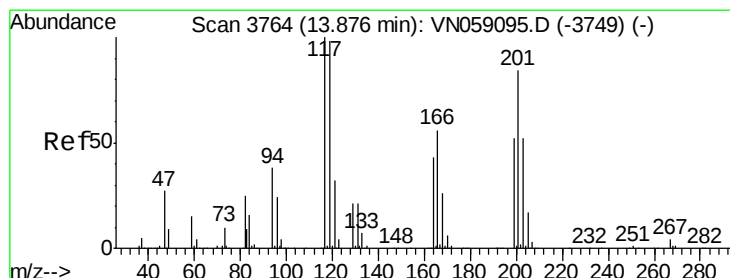
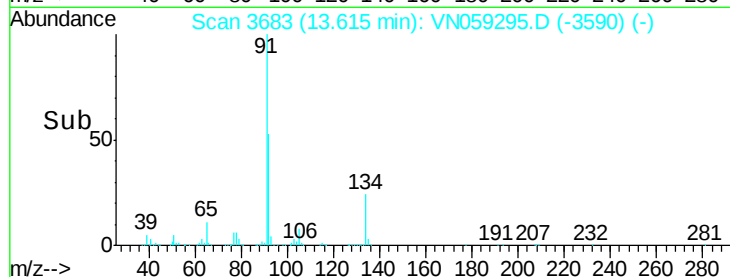
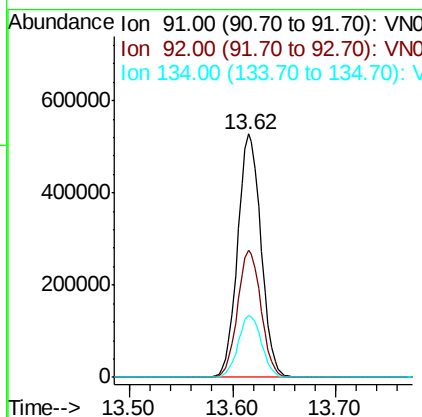
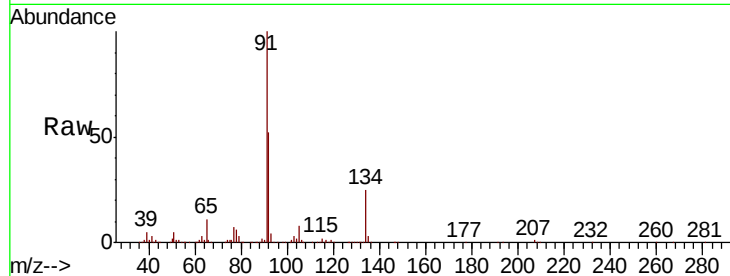
#89  
n-Butylbenzene  
Concen: 57.650 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 834365 |       |       |
| 92      | 52.2 | 26.1  | 78.3   |       |       |
| 134     | 25.5 | 12.6  | 37.8   |       |       |

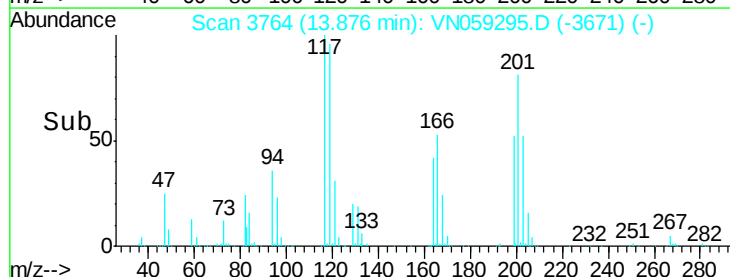
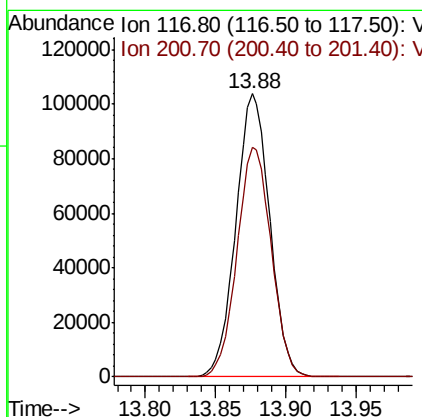
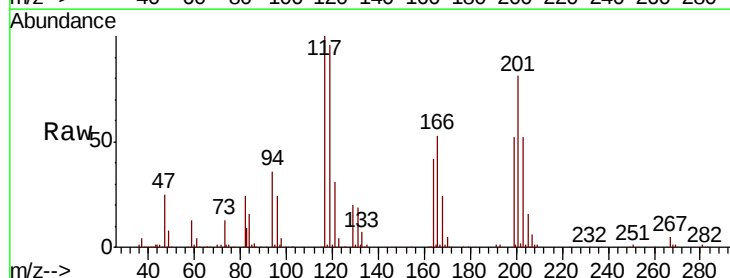
Manual Integrations  
APPROVED

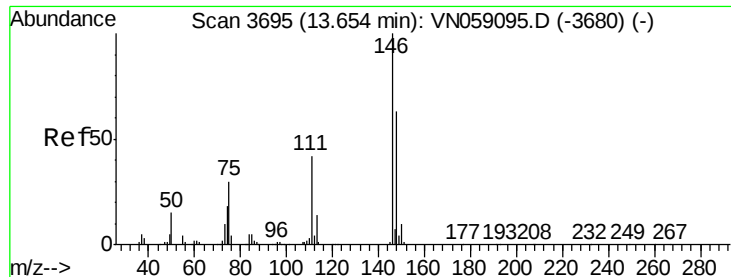
MMDADODA  
11/19/2019 11:03:46 AM



#90  
Hexachloroethane  
Concen: 52.365 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 117     | 100  |       | 173873 |       |       |
| 201     | 82.3 | 41.8  | 125.3  |       |       |





#91

1,2-Dichlorobenzene

Concen: 55.636 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

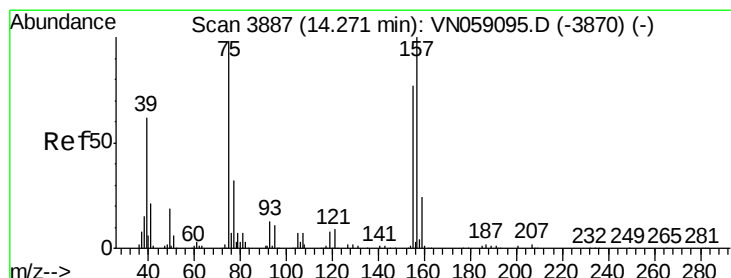
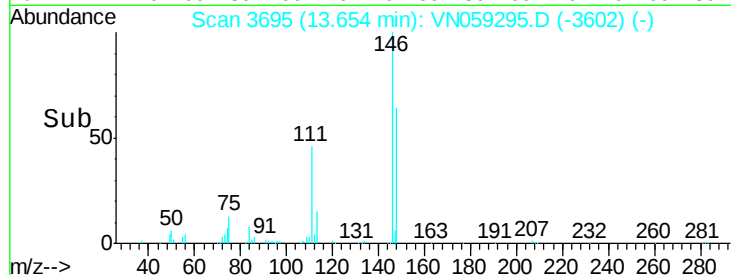
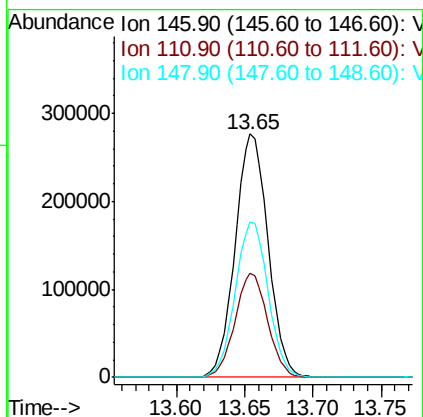
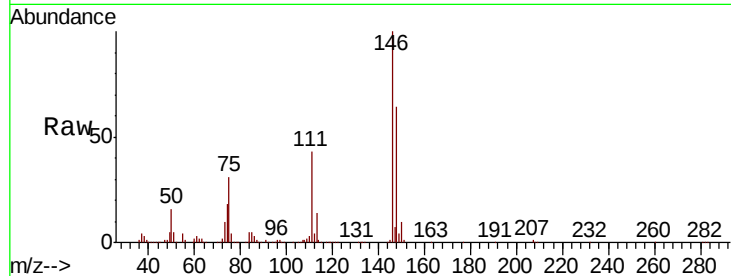
ClientSampleId :

VSTDCCC050EC

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 146  | Resp: | 463356 |
| Ion Ratio |      | Lower | Upper  |
| 146       | 100  |       |        |
| 111       | 42.4 | 21.2  | 63.6   |
| 148       | 63.8 | 31.6  | 94.7   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 57.496 ug/l

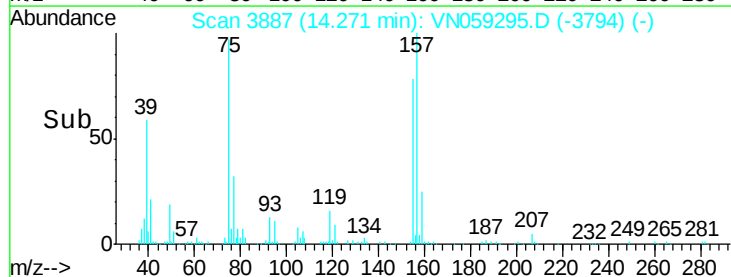
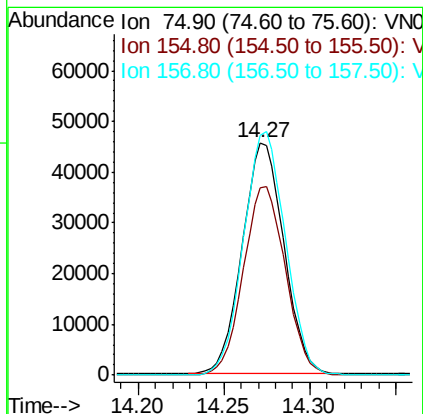
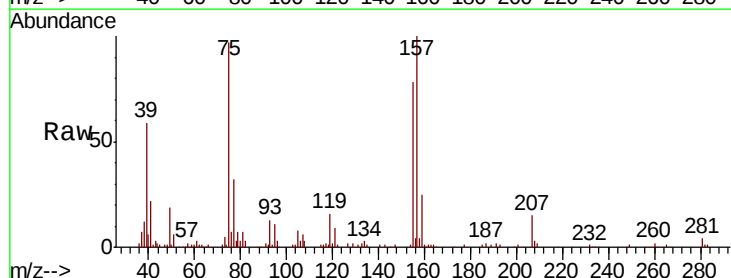
RT: 14.27 min Scan# 3887

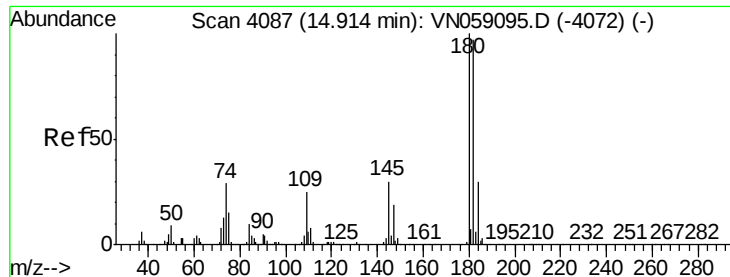
Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 76877 |
| Ion Ratio |       | Lower | Upper |
| 75        | 100   |       |       |
| 155       | 82.1  | 40.2  | 120.6 |
| 157       | 105.7 | 51.8  | 155.5 |





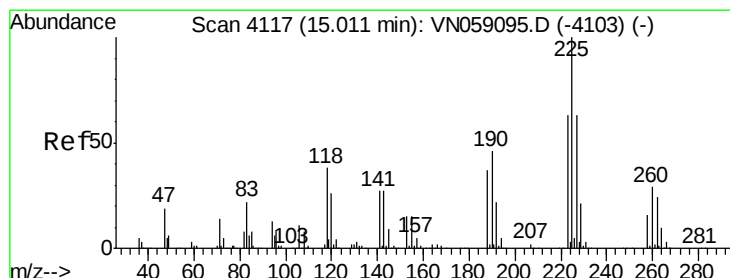
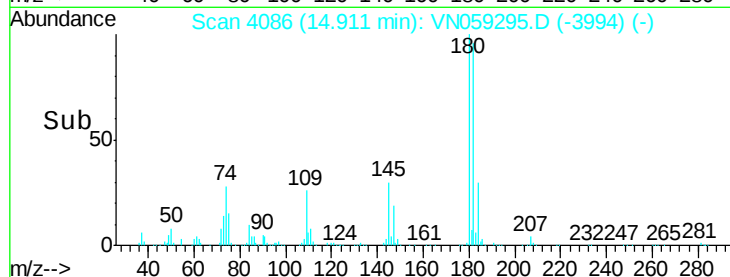
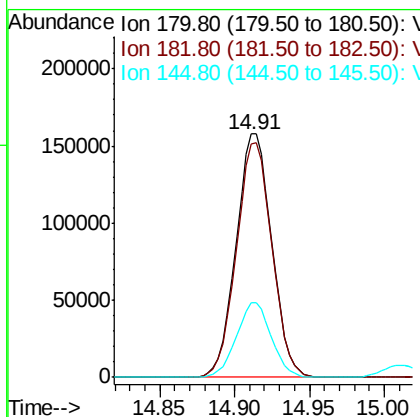
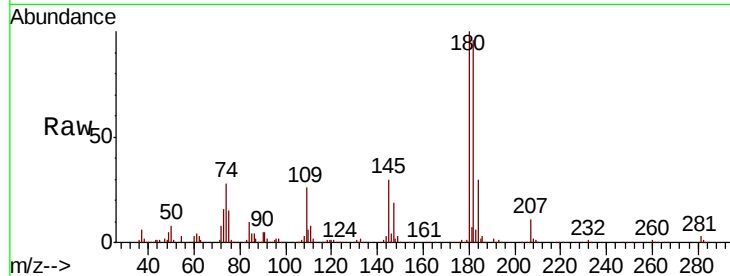
#93  
1,2,4-Trichlorobenzene  
Concen: 51.594 ug/l  
RT: 14.91 min Scan# 4086  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 261220 |       |       |
| 182     | 96.3  | 48.1   | 144.3 |       |
| 145     | 30.3  | 15.1   | 45.3  |       |

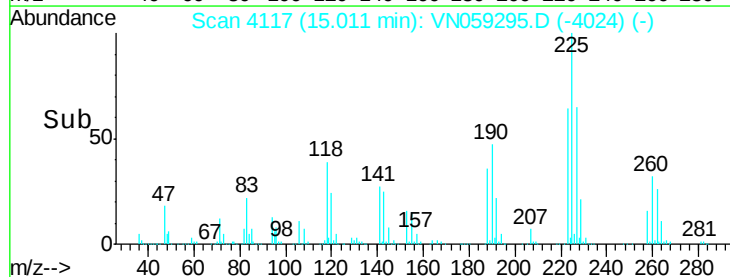
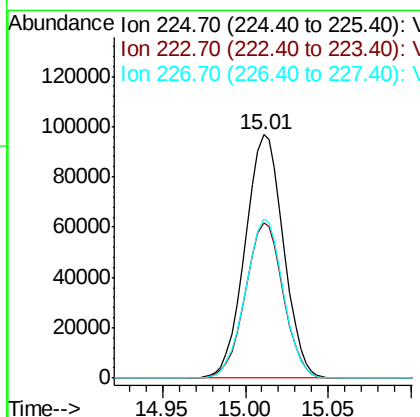
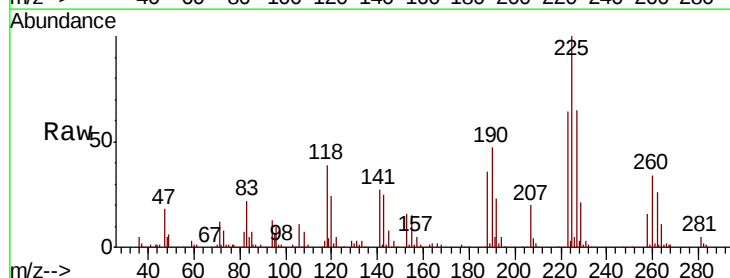
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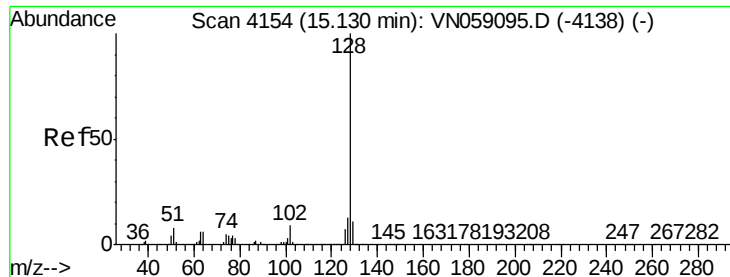
MMDADODA  
11/19/2019 11:03:46 AM



#94  
Hexachlorobutadiene  
Concen: 54.008 ug/l  
RT: 15.01 min Scan# 4117  
Delta R.T. -0.00 min  
Lab File: VN059295.D  
Acq: 18 Nov 2019 19:24

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 155091 |       |       |
| 223     | 63.2  | 31.3   | 93.9  |       |
| 227     | 64.3  | 31.5   | 94.5  |       |





#95

Naphthalene

Concen: 53.587 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

Instrument :

MSVOA\_N

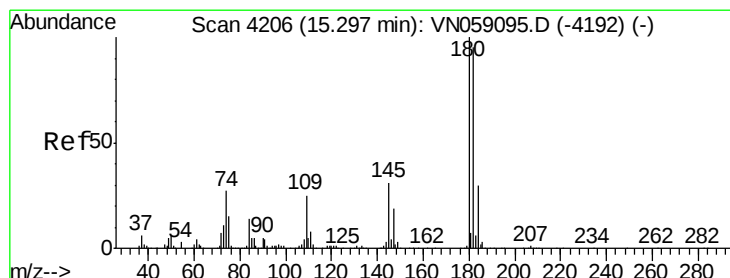
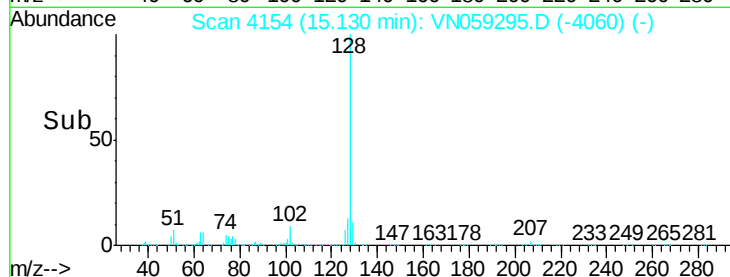
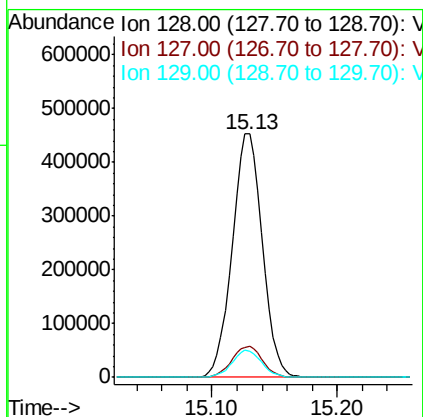
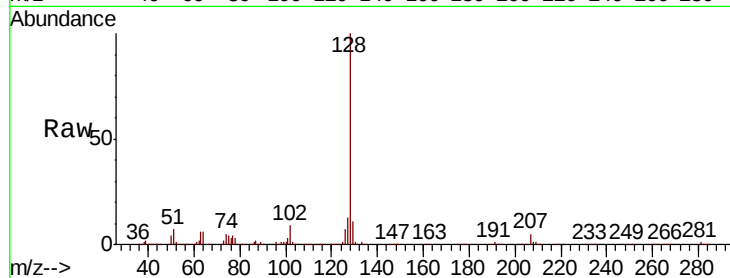
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 754483 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.2  | 15.2   |
| 129       | 10.9  | 8.6   | 12.8   |

Manual Integrations  
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11/19/2019 11:03:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 55.892 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059295.D

Acq: 18 Nov 2019 19:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 260869 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.4  | 47.3  | 141.8  |
| 145       | 32.1  | 15.8  | 47.3   |

