

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\  
 Data File : VN063606.D  
 Acq On : 23 Sep 2020 22:06  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2020 1:38:18 PM

Quant Time: Sep 24 04:34:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 16 13:05:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 233768   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 408456   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 386776   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 182622   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.99   | 65  | 202098   | 50.79 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.58% |      |
| 35) Dibromofluoromethane  | 7.55   | 113 | 139910   | 49.48 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.96%  |      |
| 50) Toluene-d8            | 10.06  | 98  | 527370   | 49.60 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.20%  |      |
| 62) 4-Bromofluorobenzene  | 12.38  | 95  | 203067   | 52.10 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.20% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 124554  | 47.030  | ug/l   | 98     |
| 3) Chloromethane              | 2.04 | 50  | 153052  | 43.685  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.16 | 62  | 152426  | 49.105  | ug/l   | 99     |
| 5) Bromomethane               | 2.53 | 94  | 98809   | 53.613  | ug/l   | 98     |
| 6) Chloroethane               | 2.67 | 64  | 94750   | 49.727  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 245291  | 52.965  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.38 | 74  | 88377   | 48.952  | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101 | 128426  | 49.309  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.91 | 142 | 170597  | 50.310  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.73 | 59  | 125261  | 227.218 | ug/l # | 84     |
| 12) 1,1-Dichloroethene        | 3.70 | 96  | 128494  | 48.708  | ug/l   | 97     |
| 13) Acrolein                  | 3.57 | 56  | 64485   | 315.644 | ug/l   | 97     |
| 14) Allyl chloride            | 4.28 | 41  | 238880  | 45.779  | ug/l   | 95     |
| 15) Acrylonitrile             | 4.93 | 53  | 358080  | 255.356 | ug/l   | 100    |
| 16) Acetone                   | 3.78 | 43  | 323579  | 253.014 | ug/l   | 100    |
| 17) Carbon Disulfide          | 4.01 | 76  | 342805  | 44.674  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.28 | 43  | 171499  | 52.823  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 481636  | 48.986  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.51 | 84  | 154731  | 47.753  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 4.99 | 96  | 139665  | 47.785  | ug/l   | 97     |
| 22) Diisopropyl ether         | 5.90 | 45  | 519276  | 48.794  | ug/l   | 98     |
| 23) Vinyl Acetate             | 5.85 | 43  | 2187676 | 250.302 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.80 | 63  | 285209  | 49.088  | ug/l   | 99     |
| 25) 2-Butanone                | 6.78 | 43  | 491390  | 249.828 | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 6.78 | 77  | 208191  | 40.698  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 169662  | 51.286  | ug/l   | 97     |
| 28) Bromochloromethane        | 7.15 | 49  | 137536  | 51.267  | ug/l   | 96     |
| 29) Tetrahydrofuran           | 7.17 | 42  | 328898  | 244.833 | ug/l   | 98     |
| 30) Chloroform                | 7.33 | 83  | 302758  | 51.937  | ug/l   | 99     |
| 31) Cyclohexane               | 7.61 | 56  | 229436  | 41.747  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 267185  | 51.533  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.76 | 75  | 213334  | 49.025  | ug/l   | 100    |
| 37) Ethyl Acetate             | 6.88 | 43  | 215237  | 50.397  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 227942  | 51.315  | ug/l   | 99     |

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 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2020 1:38:18 PM

Quant Time: Sep 24 04:34:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 16 13:05:20 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 206588   | 43.743  | ug/l   | 98       |
| 40) Benzene                    | 8.00  | 78   | 619530   | 49.874  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.14  | 41   | 99479m   | 51.789  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.09  | 62   | 259550   | 51.957  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.13  | 43   | 366718   | 48.021  | ug/l   | 99       |
| 44) Trichloroethene            | 8.80  | 130  | 152150   | 50.500  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 169117   | 49.987  | ug/l   | 96       |
| 46) Dibromomethane             | 9.18  | 93   | 116327   | 52.314  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.37  | 83   | 239584   | 51.863  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.17  | 41   | 184925   | 49.288  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.17  | 88   | 49827    | 925.416 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 1107934  | 259.149 | ug/l   | 100      |
| 52) Toluene                    | 10.13 | 92   | 387888   | 51.936  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 253904   | 49.233  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 264687   | 48.657  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 155470   | 52.408  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 236477   | 51.063  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 267575   | 50.017  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 588100   | 242.077 | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.72 | 43   | 820073   | 264.768 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.87 | 129  | 180327   | 53.807  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 163110   | 52.923  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.60 | 164  | 136041   | 51.655  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.41 | 112  | 408290   | 49.730  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 158478   | 52.658  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.49 | 91   | 766934   | 49.603  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.60 | 106  | 557098   | 99.935  | ug/l   | 99       |
| 69) o-Xylene                   | 11.92 | 106  | 272978   | 51.405  | ug/l   | 98       |
| 70) Styrene                    | 11.94 | 104  | 467443   | 52.490  | ug/l   | 100      |
| 71) Bromoform                  | 12.10 | 173  | 117018   | 52.193  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.23 | 105  | 739580   | 50.537  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.05 | 43   | 343715   | 49.616  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 229911   | 50.739  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 218548m  | 48.350  | ug/l   |          |
| 77) Bromobenzene               | 12.50 | 156  | 174078   | 52.881  | ug/l   | 95       |
| 78) n-propylbenzene            | 12.57 | 91   | 845916   | 49.629  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 519574   | 50.851  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 629781   | 51.608  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.28 | 75   | 72751    | 44.126  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 548980   | 50.852  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.97 | 119  | 499560   | 49.600  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.02 | 105  | 629882   | 51.101  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.15 | 105  | 664578   | 49.295  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 596065   | 50.127  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 312867   | 51.278  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 317477   | 51.179  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.59 | 91   | 523577   | 47.769  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.85 | 117  | 109051   | 48.162  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 313897   | 52.401  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.24 | 75   | 53252    | 49.353  | ug/l   | 99       |

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Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

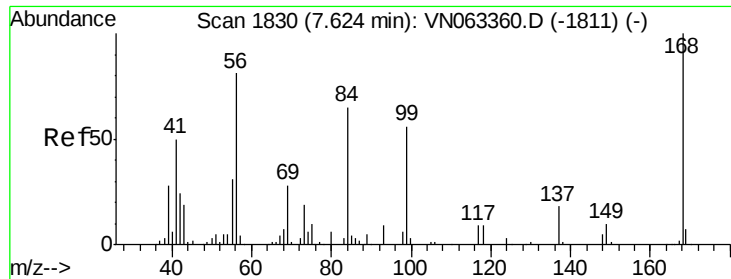
MMDadoda  
9/24/2020 1:38:18 PM

Quant Time: Sep 24 04:34:02 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 16 13:05:20 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180  | 171544   | 48.576 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 78772    | 53.880 | ug/l  | 98       |
| 95) Naphthalene            | 15.10 | 128  | 558132   | 47.838 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 161326   | 47.280 | ug/l  | 95       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 233768

Ion Ratio Lower Upper

168 100

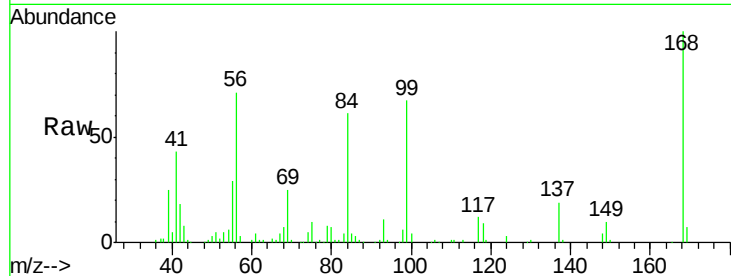
99 66.6 53.0 79.6

Manual Integrations

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9/24/2020 1:38:18 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

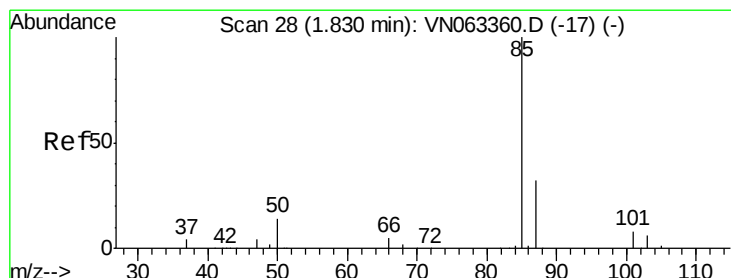
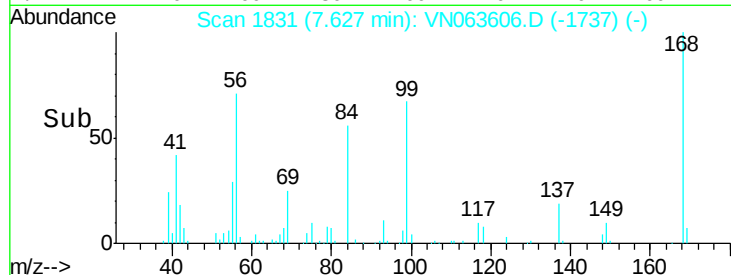
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.030 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063606.D

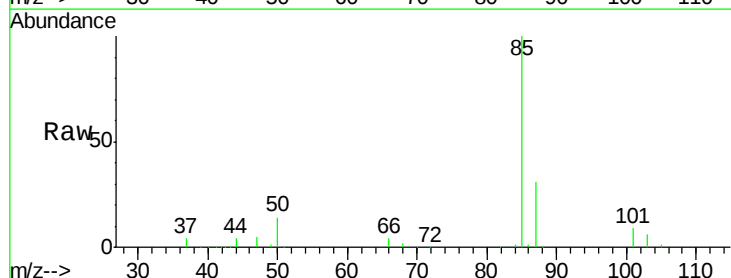
Acq: 23 Sep 2020 22:06

Tgt Ion: 85 Resp: 124554

Ion Ratio Lower Upper

85 100

87 30.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

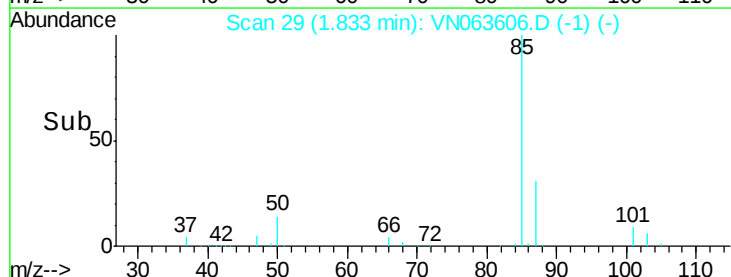
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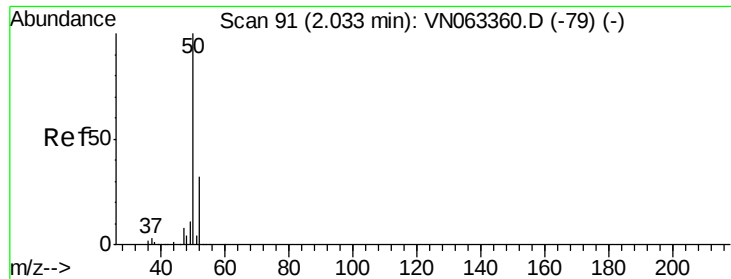
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Time-->





#3

Chloromethane

Concen: 43.685 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 153052

Ion Ratio Lower Upper

50 100

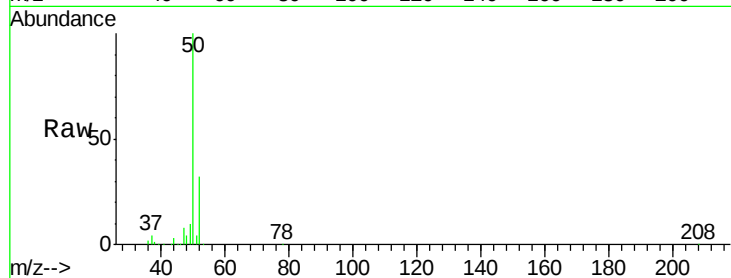
52 31.7 25.9 38.9

Manual Integrations

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9/24/2020 1:38:18 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

120000

100000

80000

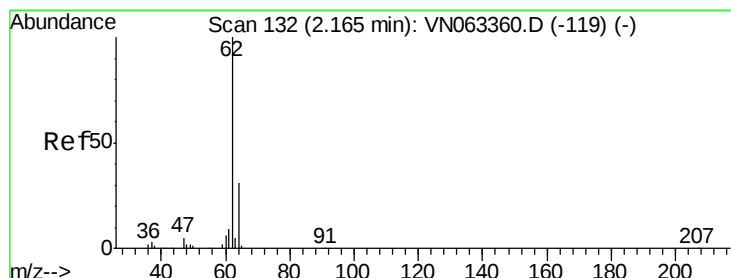
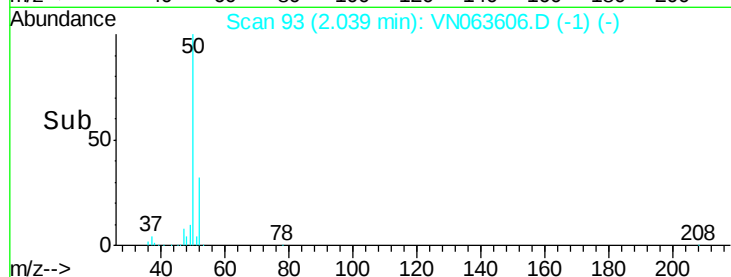
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40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 49.105 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063606.D

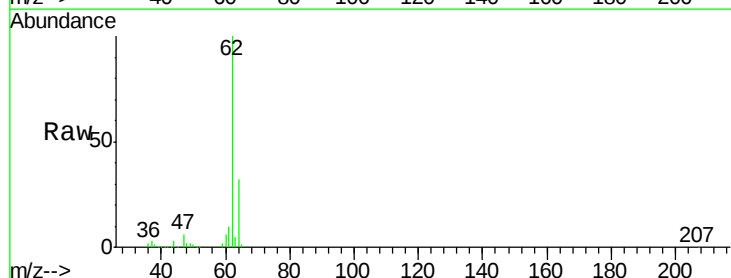
Acq: 23 Sep 2020 22:06

Tgt Ion: 62 Resp: 152426

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

120000

100000

80000

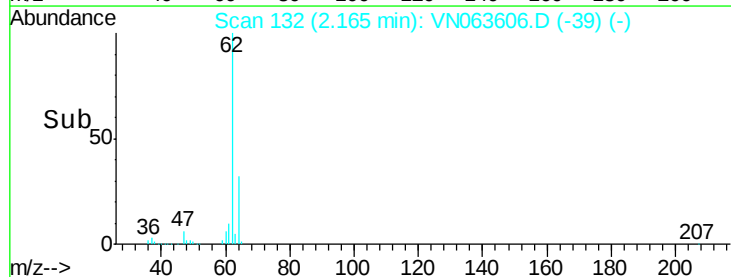
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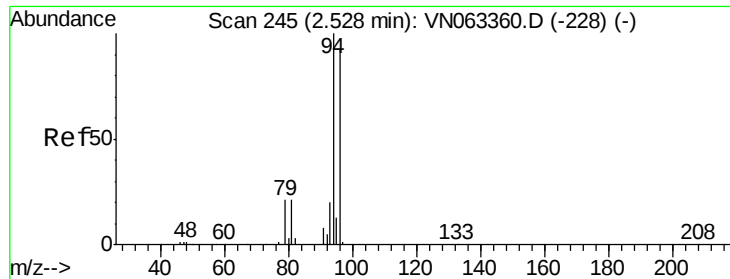
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20000

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Time-->





#5

Bromomethane

Concen: 53.613 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 98809

Ion Ratio Lower Upper

94 100

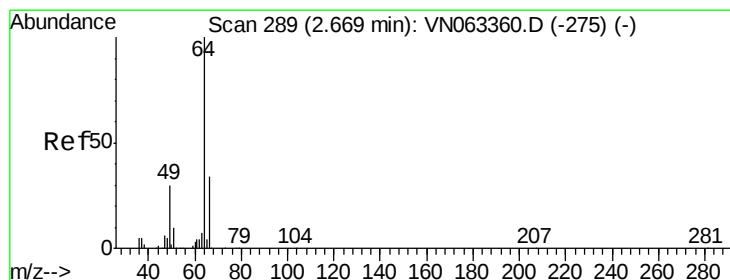
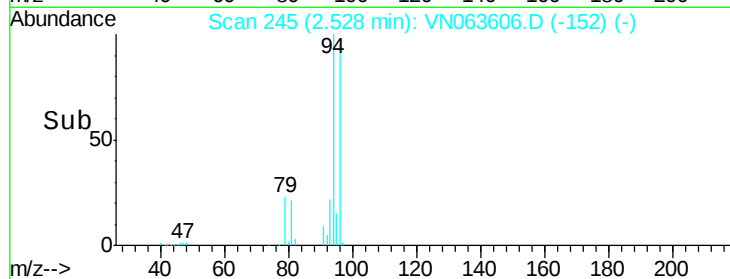
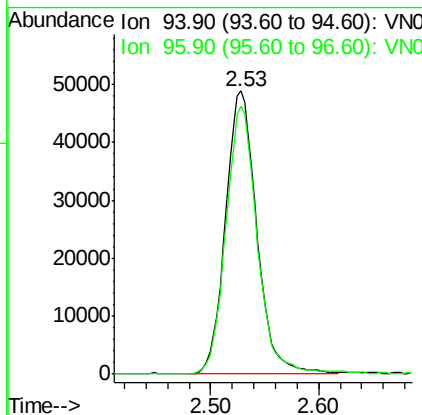
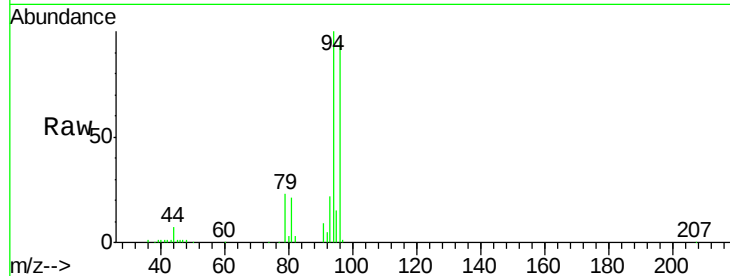
96 94.6 74.5 111.7

Manual Integrations

APPROVED

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9/24/2020 1:38:18 PM



#6

Chloroethane

Concen: 49.727 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063606.D

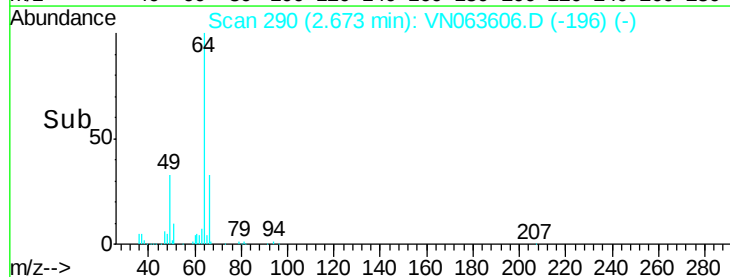
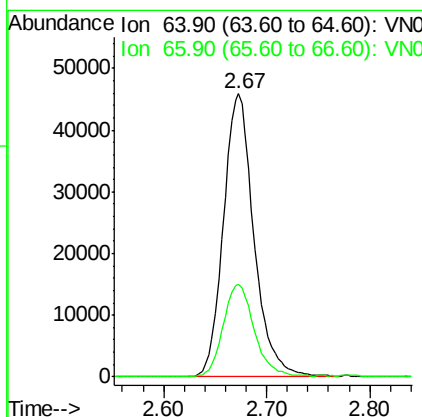
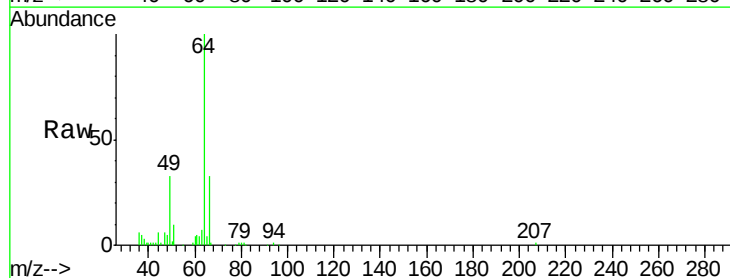
Acq: 23 Sep 2020 22:06

Tgt Ion: 64 Resp: 94750

Ion Ratio Lower Upper

64 100

66 32.7 26.9 40.3





#7

Trichlorofluoromethane

Concen: 52.965 ug/l

RT: 2.98 min Scan# 387

Delta R.T. -0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 245291

Ion Ratio Lower Upper

101 100

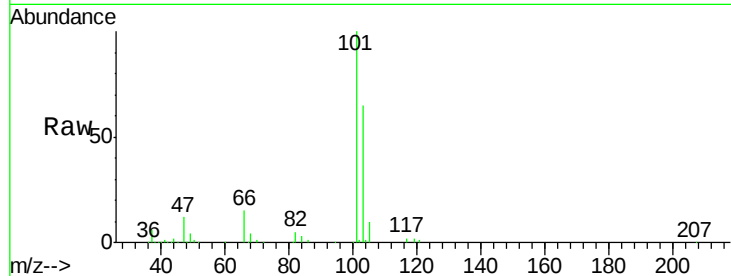
103 65.0 52.3 78.5

Manual Integrations

APPROVED

MMDadoda

9/24/2020 1:38:18 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

2.98

120000

100000

80000

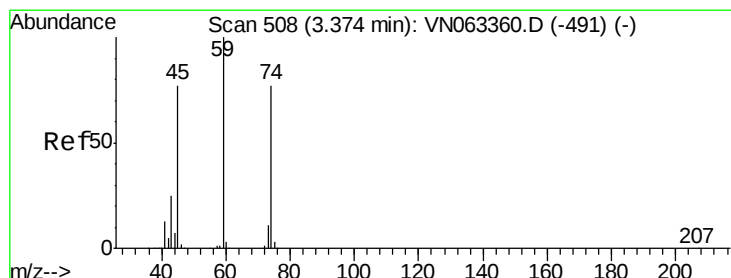
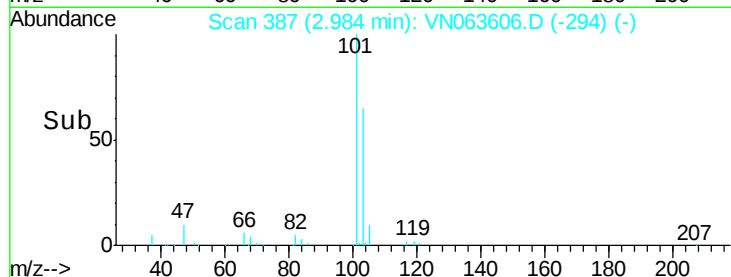
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 48.952 ug/l

RT: 3.38 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN063606.D

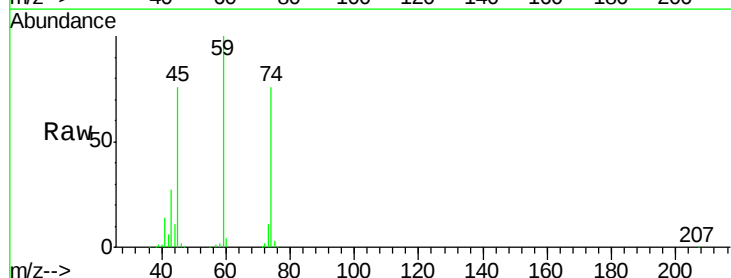
Acq: 23 Sep 2020 22:06

Tgt Ion: 74 Resp: 88377

Ion Ratio Lower Upper

74 100

45 103.9 52.1 156.4



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.38

40000

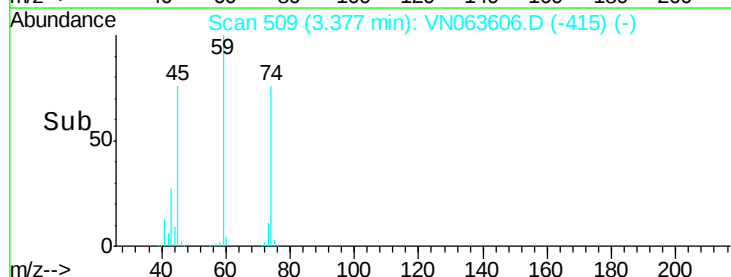
30000

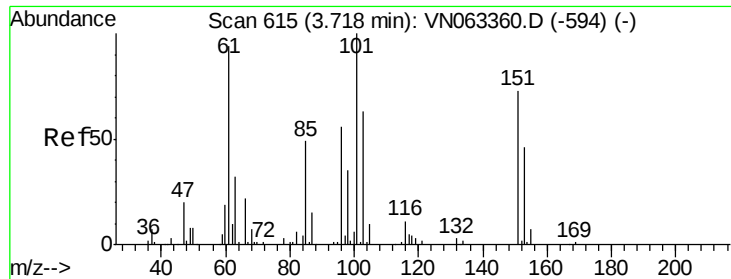
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.309 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Instrument :

MSVOA\_N

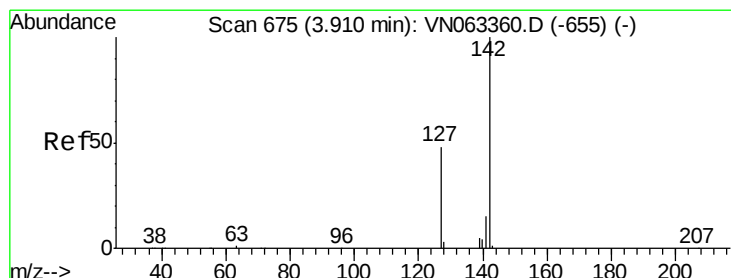
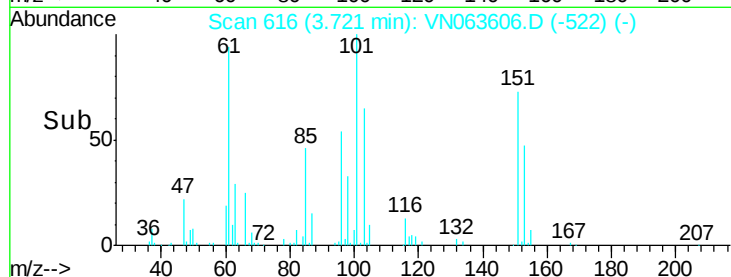
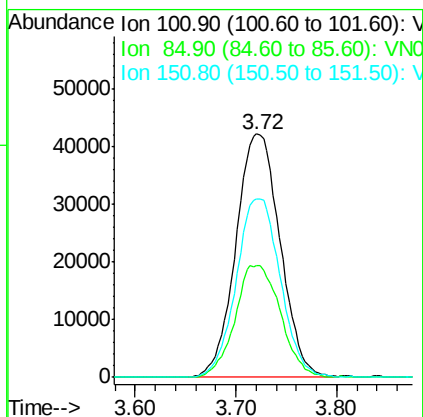
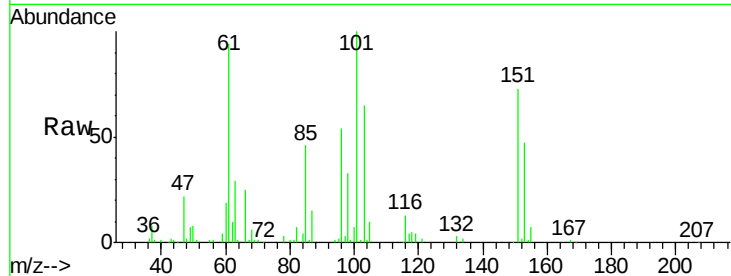
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 128426 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 47.1  | 37.7  | 56.5   |
| 151       | 73.3  | 57.7  | 86.5   |

Manual Integrations  
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9/24/2020 1:38:18 PM



#10

Methyl Iodide

Concen: 50.310 ug/l

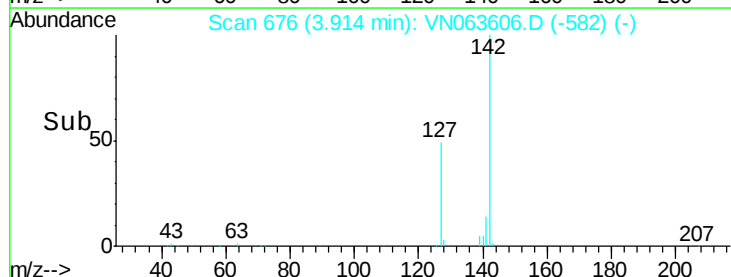
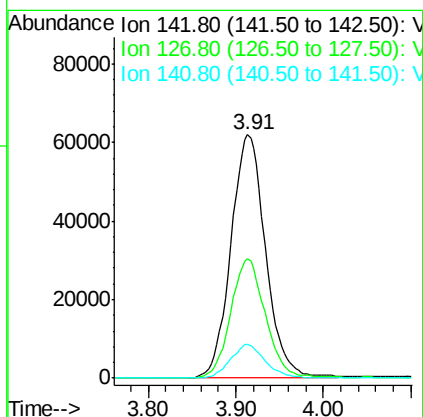
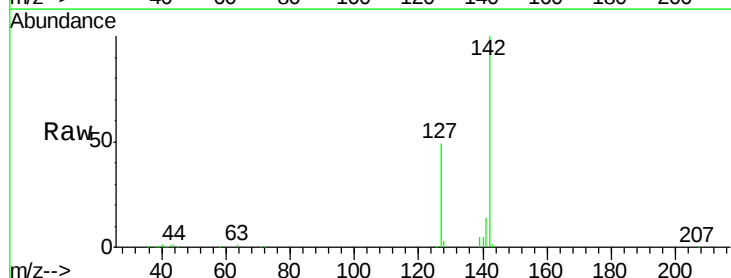
RT: 3.91 min Scan# 676

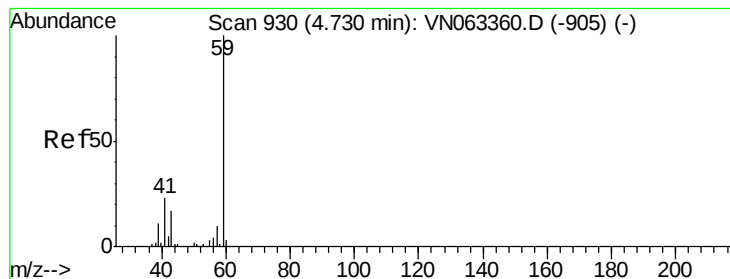
Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 170597 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 49.2  | 39.0  | 58.6   |
| 141       | 13.8  | 11.6  | 17.4   |





#11

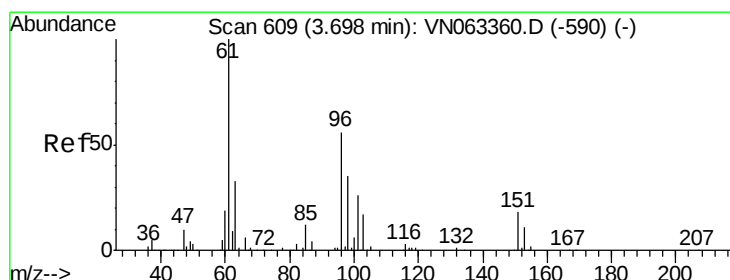
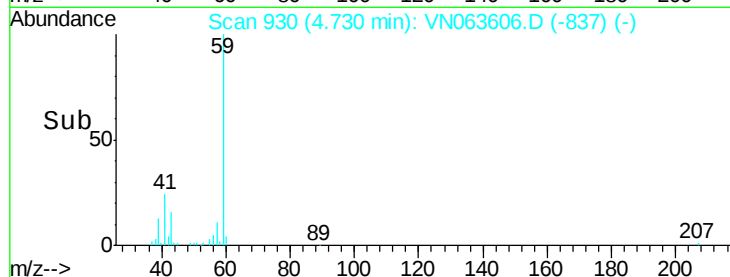
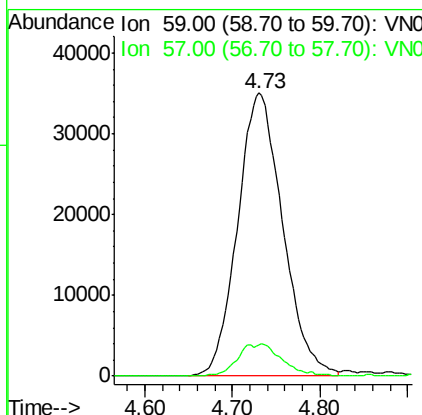
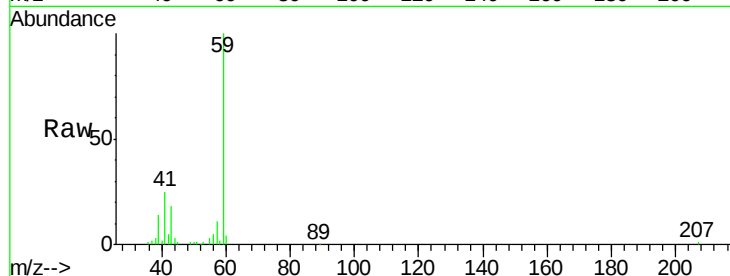
Tert butyl alcohol  
Concen: 227.218 ug/l  
RT: 4.73 min Scan# 930  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 4.5   | 8.4   | 12.6# |

Manual Integrations  
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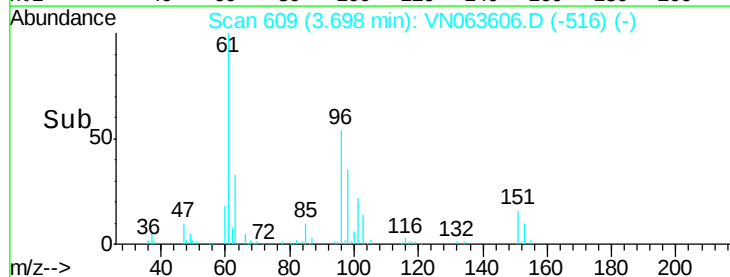
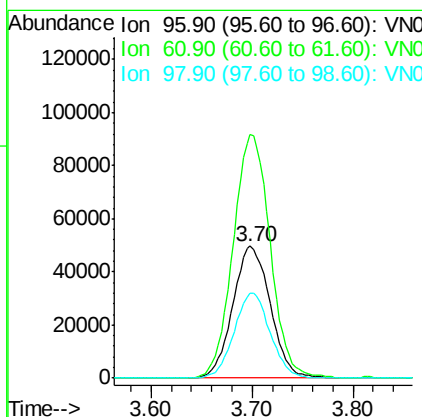
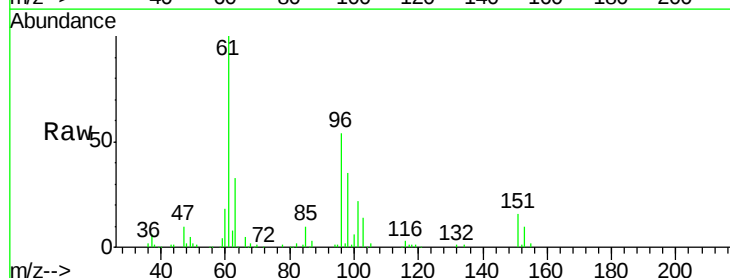
MMDadoda  
9/24/2020 1:38:18 PM

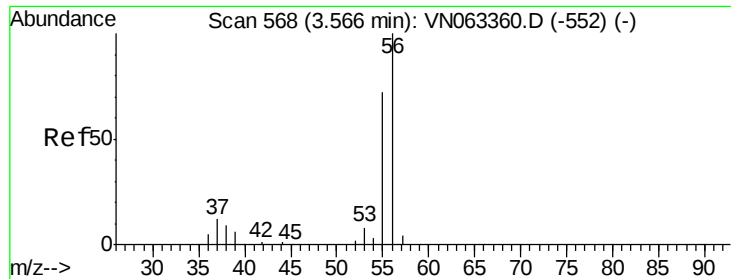


#12

1,1-Dichloroethene  
Concen: 48.708 ug/l  
RT: 3.70 min Scan# 609  
Delta R.T. -0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 184.3 | 143.4 | 215.2 |
| 98      | 63.9  | 50.6  | 76.0  |





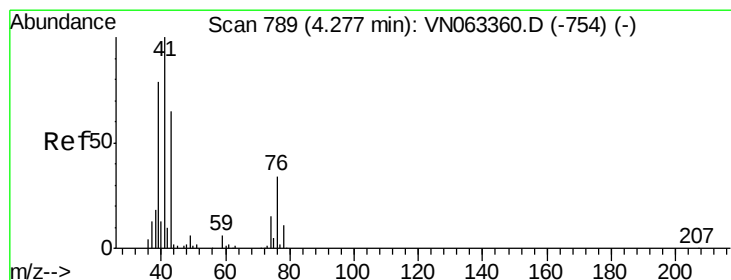
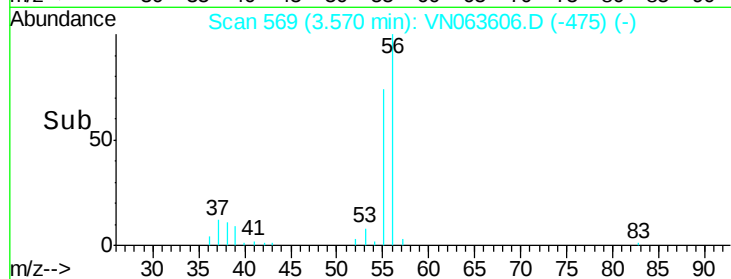
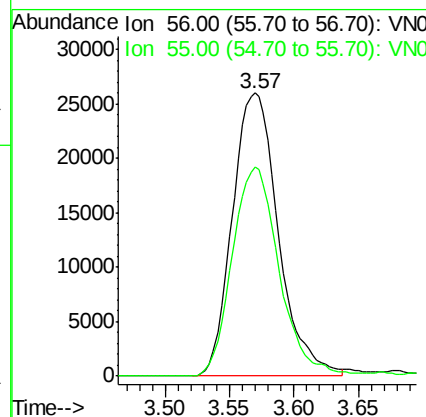
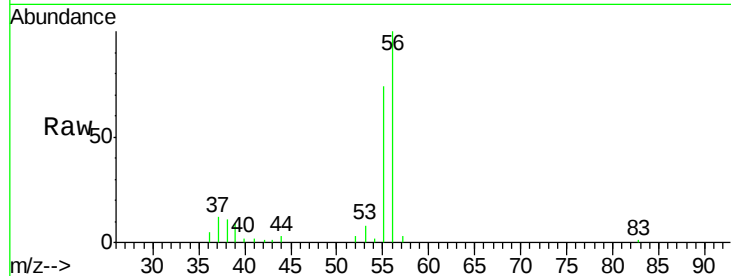
#13  
Acrolein  
Concen: 315.644 ug/l  
RT: 3.57 min Scan# 569  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 56    | Resp  | 64485 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 55        | 75.1  | 58.2  | 87.2  |

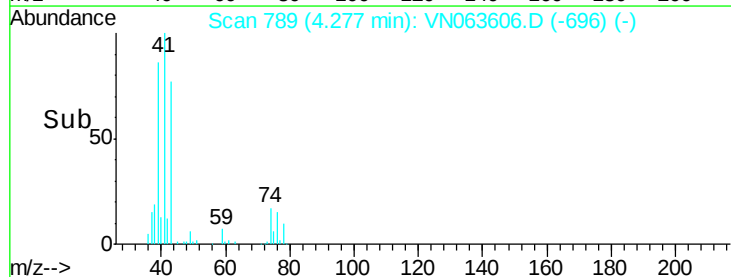
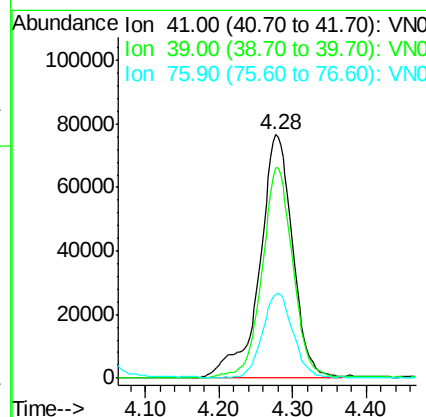
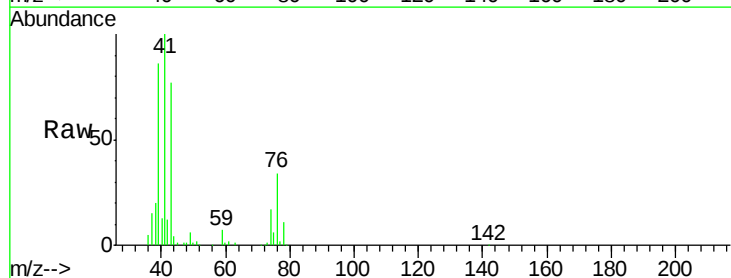
Manual Integrations  
APPROVED

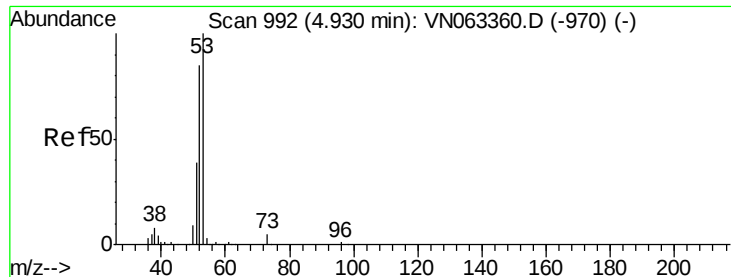
MMDadoda  
9/24/2020 1:38:18 PM



#14  
Allyl chloride  
Concen: 45.779 ug/l  
RT: 4.28 min Scan# 789  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion   | 41    | Resp  | 238880 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 79.8  | 59.3  | 88.9   |
| 76        | 31.5  | 25.3  | 37.9   |





#15

Acrylonitrile

Concen: 255.356 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Instrument :

MSVOA\_N

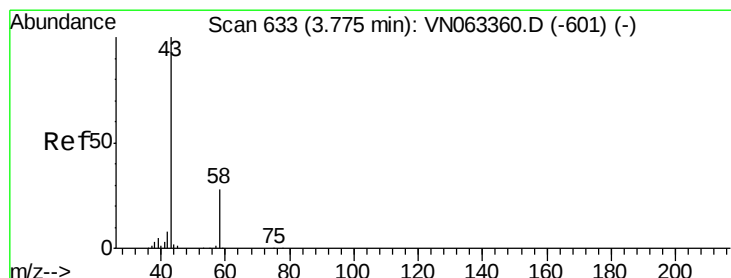
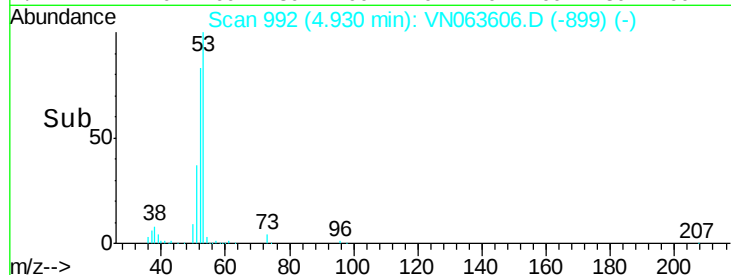
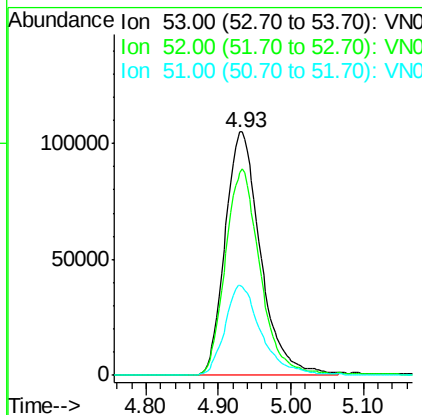
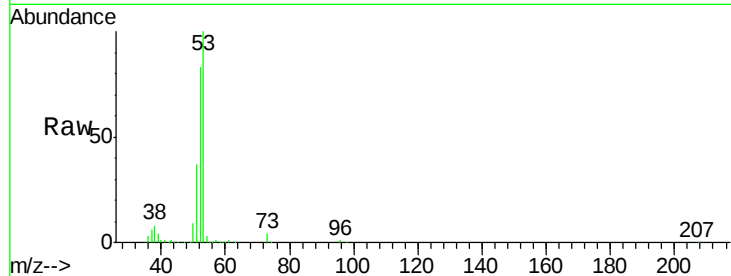
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 358080 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.9  | 66.4  | 99.6   |
| 51       | 37.7  | 30.2  | 45.4   |

Manual Integrations  
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9/24/2020 1:38:18 PM



#16

Acetone

Concen: 253.014 ug/l

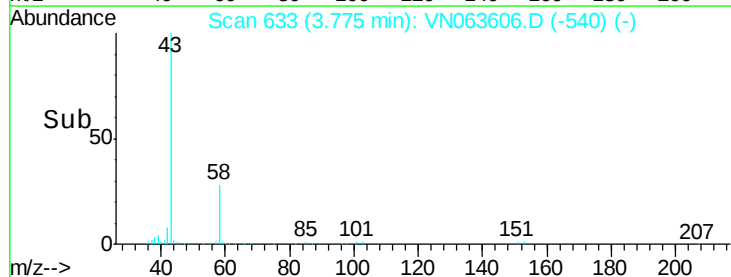
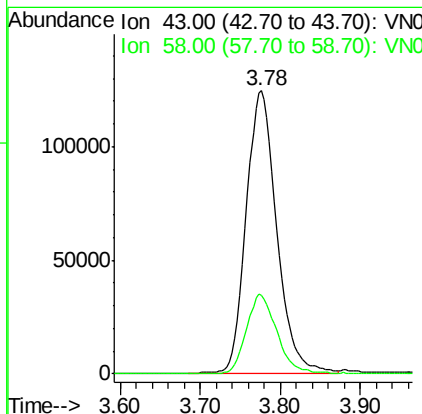
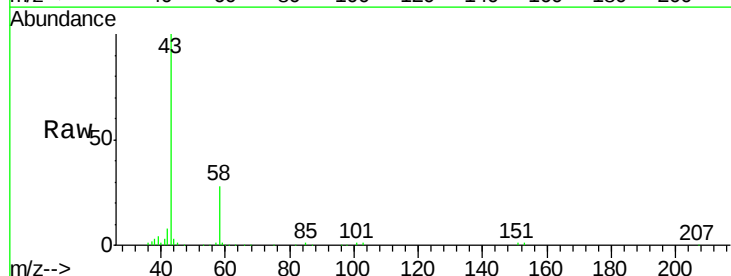
RT: 3.78 min Scan# 633

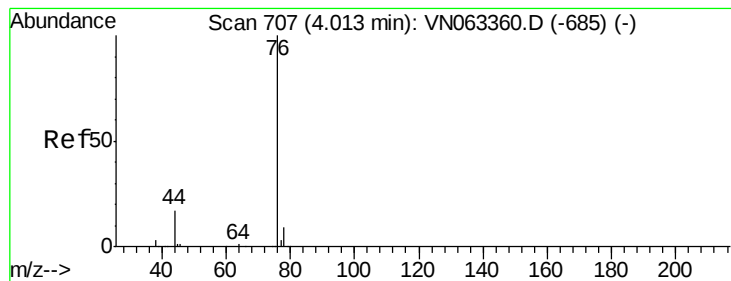
Delta R.T. -0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 323579 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 27.9  | 22.3  | 33.5   |





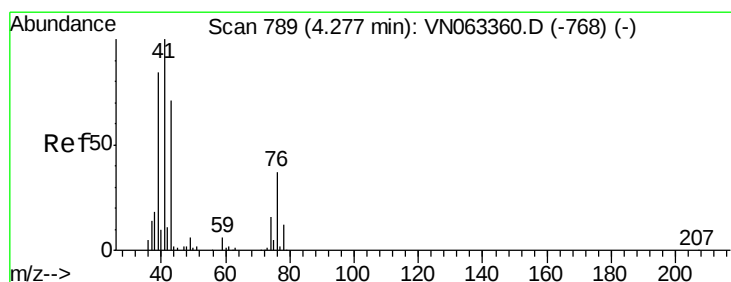
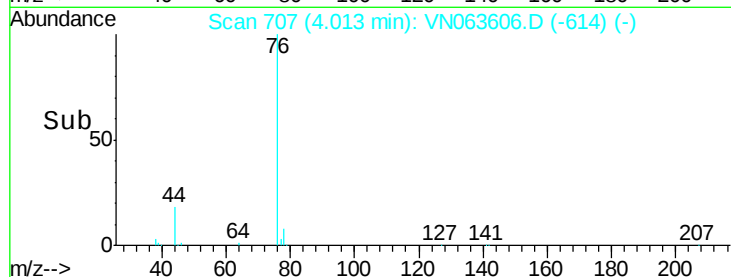
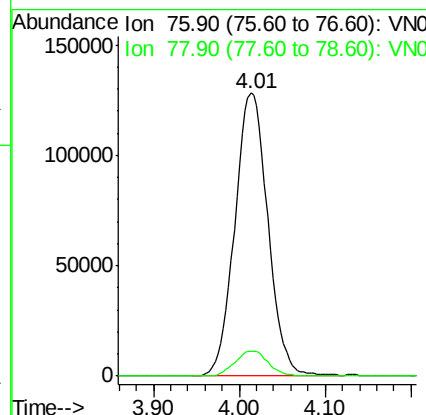
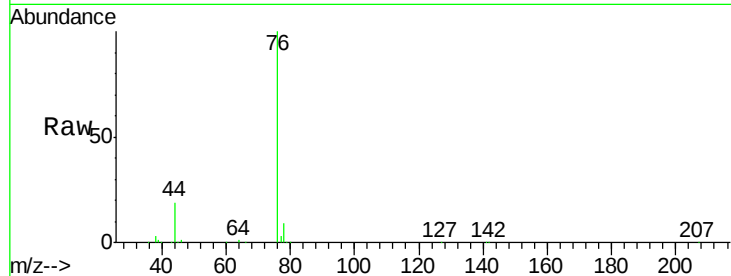
#17  
Carbon Disulfide  
Concen: 44.674 ug/l  
RT: 4.01 min Scan# 707  
Delta R.T. -0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.8   | 7.2   | 10.8  |

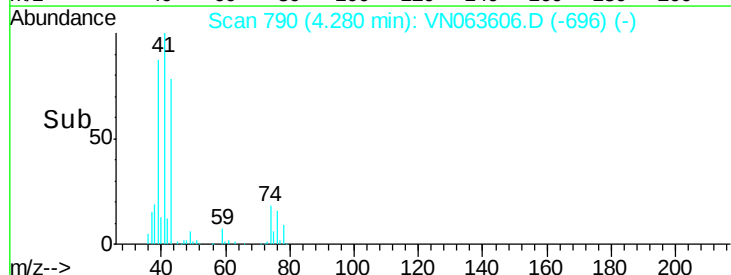
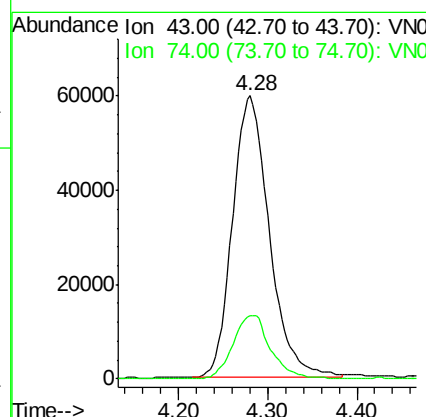
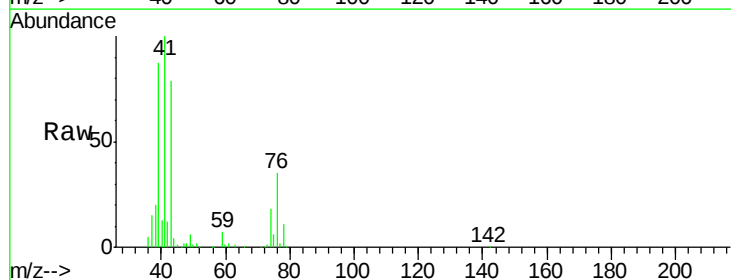
Manual Integrations  
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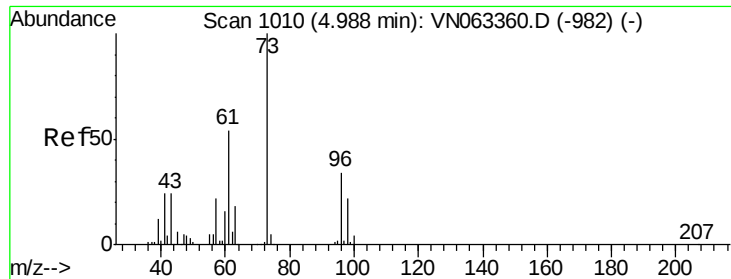
MMDadoda  
9/24/2020 1:38:18 PM



#18  
Methyl Acetate  
Concen: 52.823 ug/l  
RT: 4.28 min Scan# 790  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.8  | 17.4  | 26.2  |





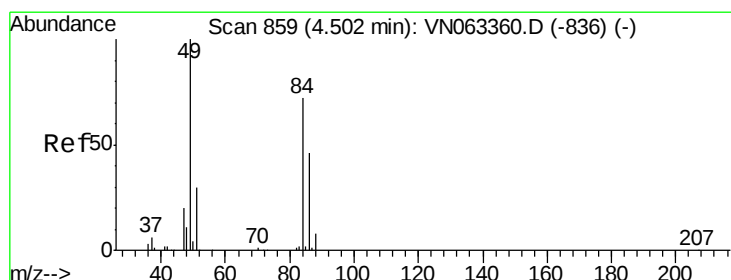
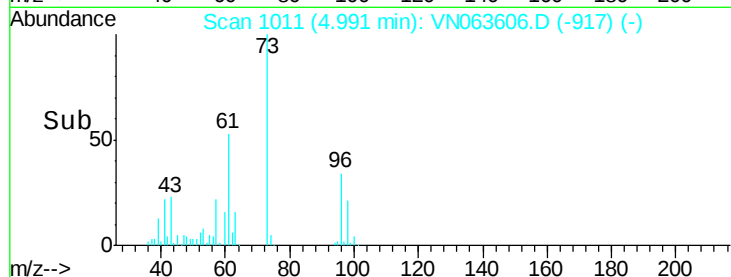
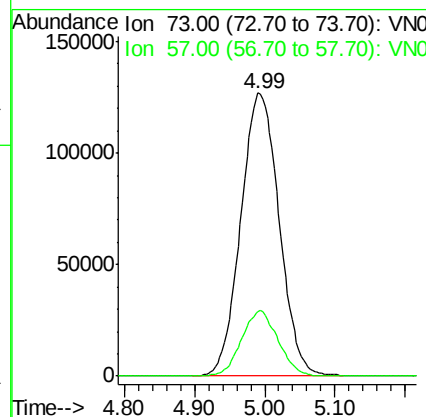
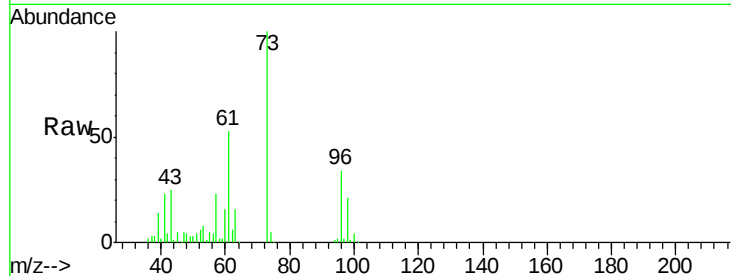
#19  
Methyl tert-butyl Ether  
Concen: 48.986 ug/l  
RT: 4.99 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 481636  
Ion Ratio Lower Upper  
73 100  
57 22.8 17.9 26.9

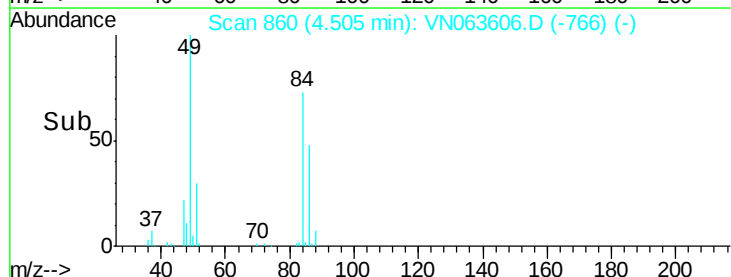
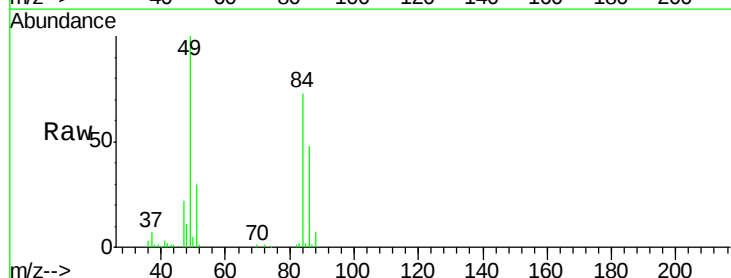
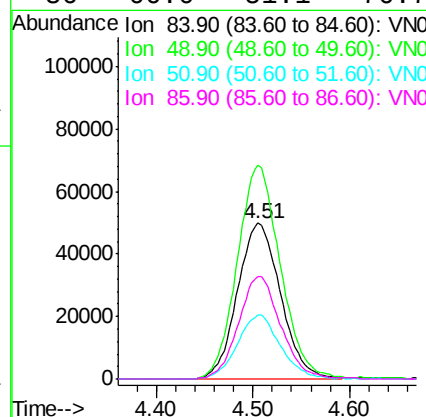
Manual Integrations  
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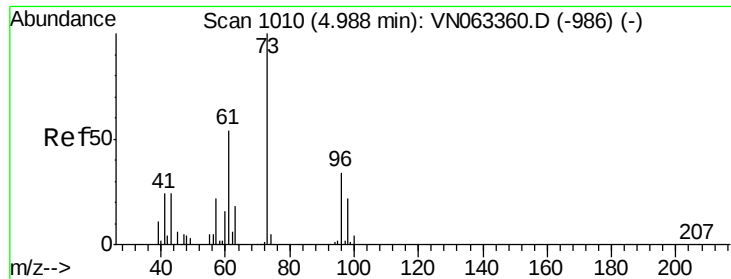
MMDadoda  
9/24/2020 1:38:18 PM



#20  
Methylene Chloride  
Concen: 47.753 ug/l  
RT: 4.51 min Scan# 860  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Tgt Ion: 84 Resp: 154731  
Ion Ratio Lower Upper  
84 100  
49 137.1 110.7 166.1  
51 41.2 32.9 49.3  
86 66.0 51.1 76.7





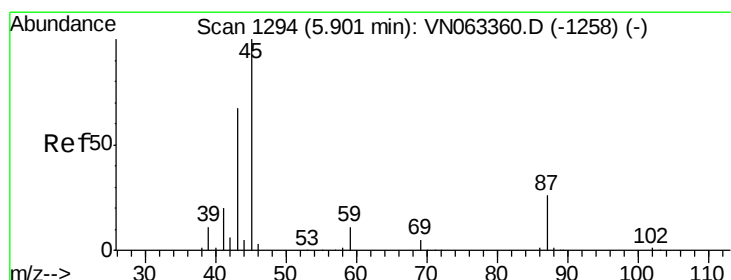
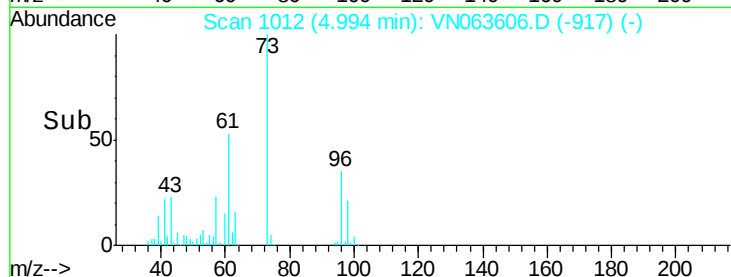
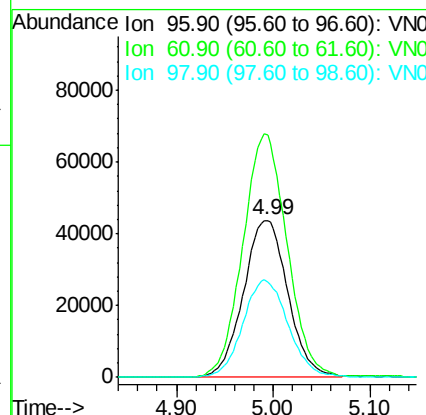
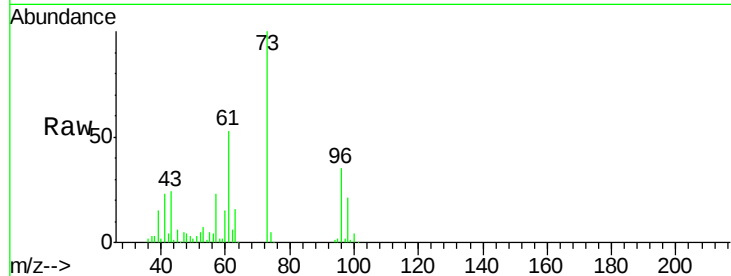
#21  
trans-1,2-Dichloroethene  
Concen: 47.785 ug/l  
RT: 4.99 min Scan# 1012  
Delta R.T. 0.01 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 154.7 | 126.2 | 189.4 |
| 98      | 60.7  | 51.0  | 76.4  |

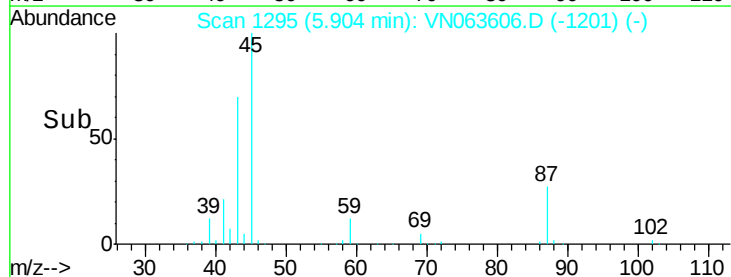
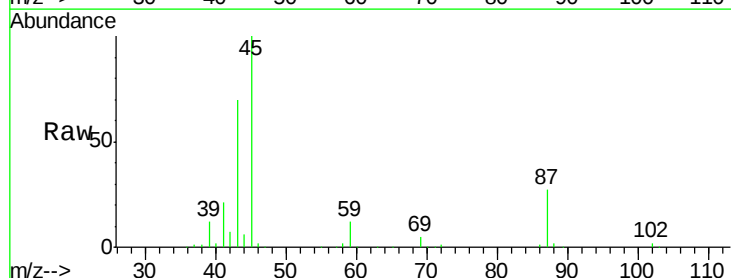
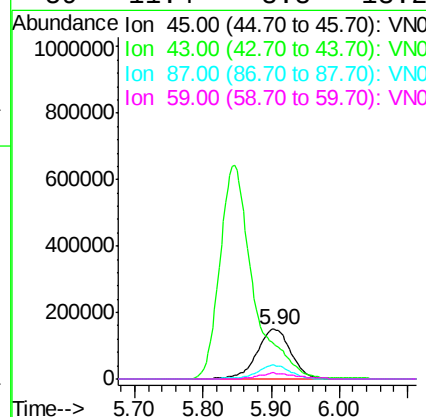
Manual Integrations  
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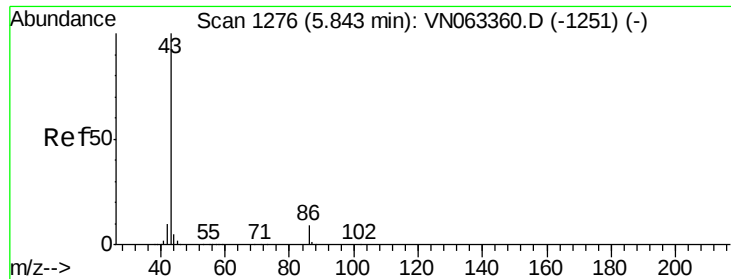
MMDadoda  
9/24/2020 1:38:18 PM



#22  
Diisopropyl ether  
Concen: 48.794 ug/l  
RT: 5.90 min Scan# 1295  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 68.9  | 53.5  | 80.3  |
| 87      | 27.1  | 21.2  | 31.8  |
| 59      | 11.4  | 8.8   | 13.2  |





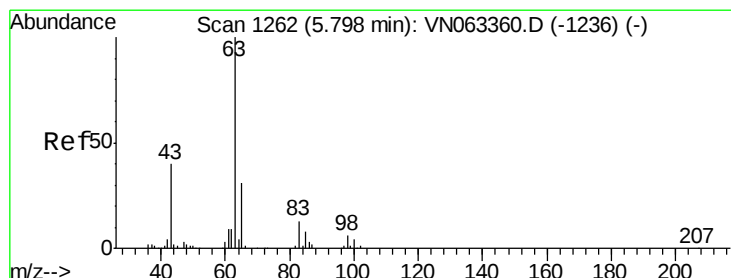
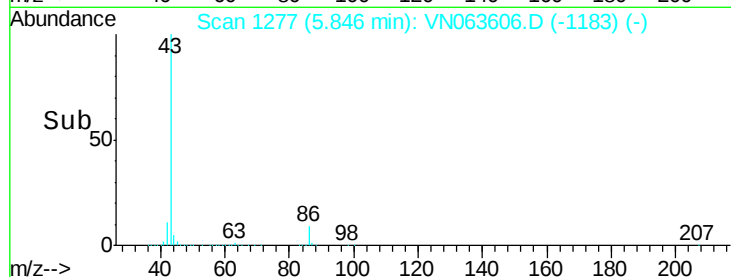
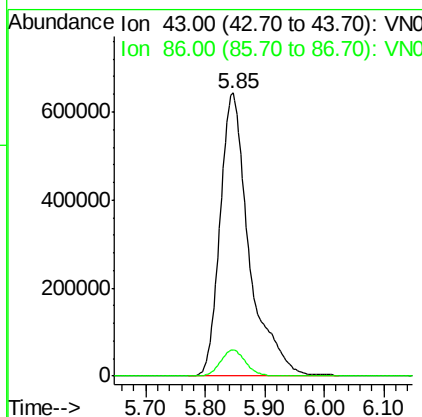
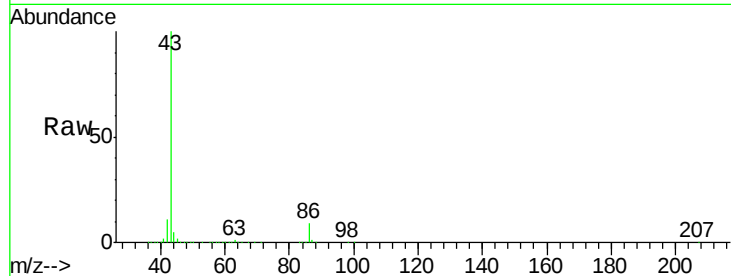
#23  
 Vinyl Acetate  
 Concen: 250.302 ug/l  
 RT: 5.85 min Scan# 1277  
 Delta R.T. 0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 2187676  
 Ion Ratio Lower Upper  
 43 100  
 86 9.2 7.1 10.7

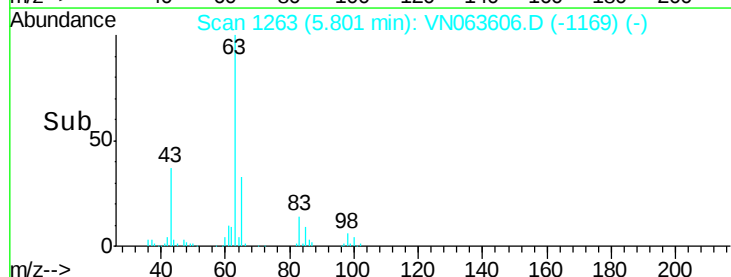
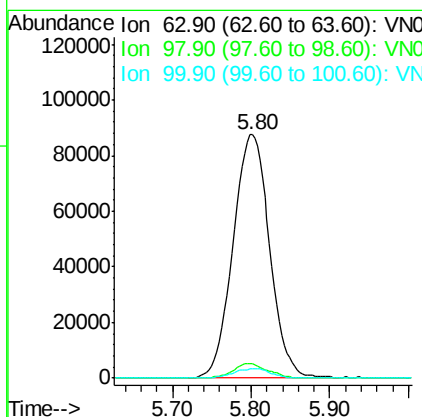
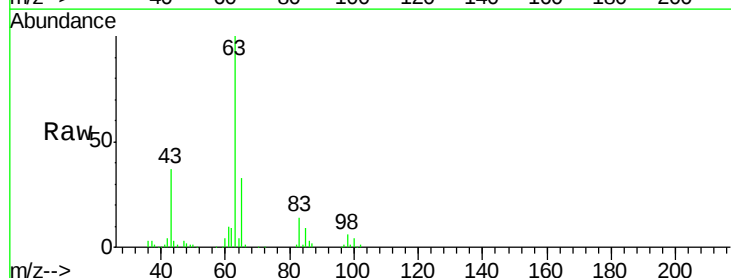
Manual Integrations  
 APPROVED

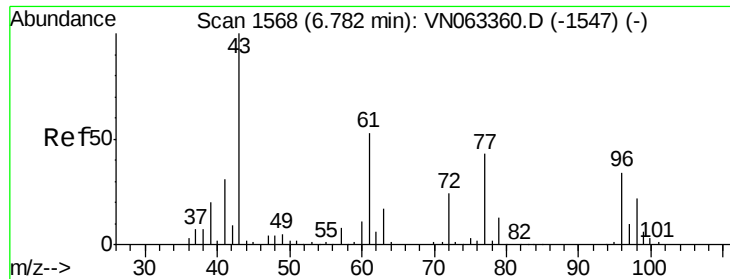
MMDadoda  
 9/24/2020 1:38:18 PM



#24  
 1,1-Dichloroethane  
 Concen: 49.088 ug/l  
 RT: 5.80 min Scan# 1263  
 Delta R.T. 0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

Tgt Ion: 63 Resp: 285209  
 Ion Ratio Lower Upper  
 63 100  
 98 6.2 2.9 8.8  
 100 3.8 2.1 6.3





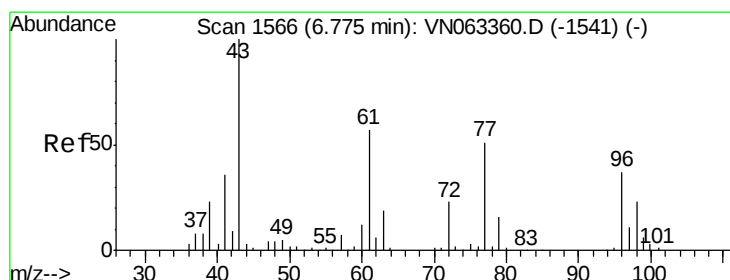
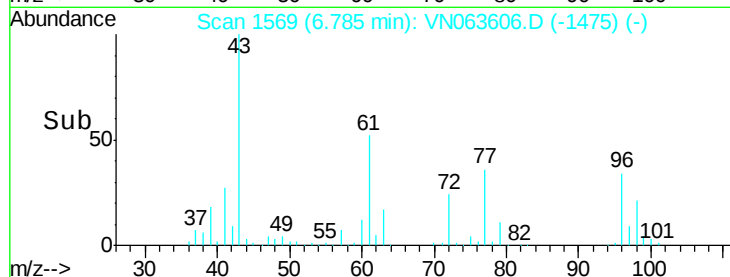
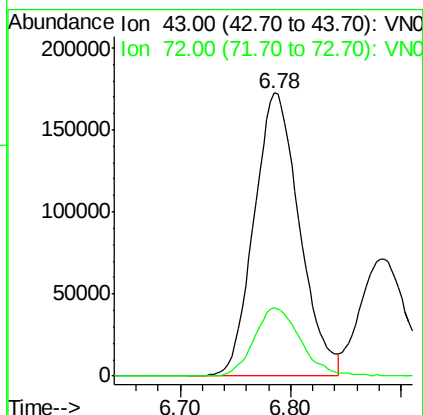
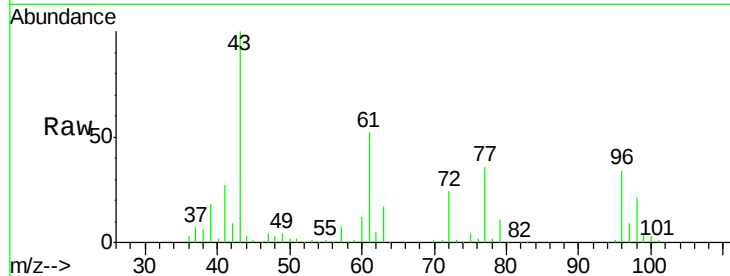
#25  
2-Butanone  
Concen: 249.828 ug/l  
RT: 6.78 min Scan# 1569  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 491390  
Ion Ratio Lower Upper  
43 100  
72 24.0 19.2 28.8

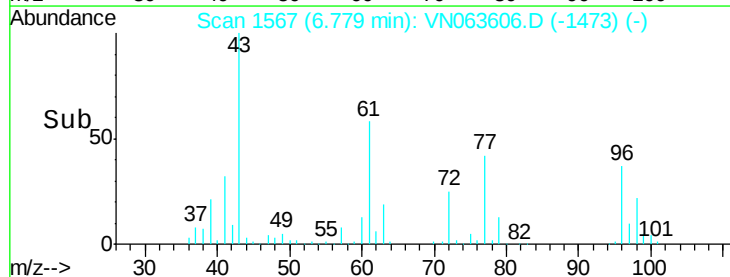
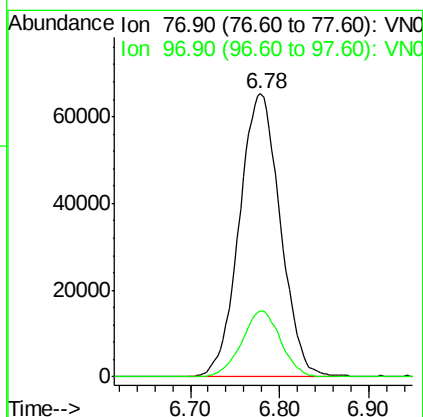
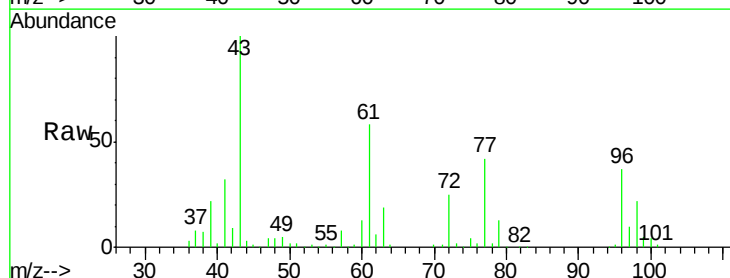
Manual Integrations  
APPROVED

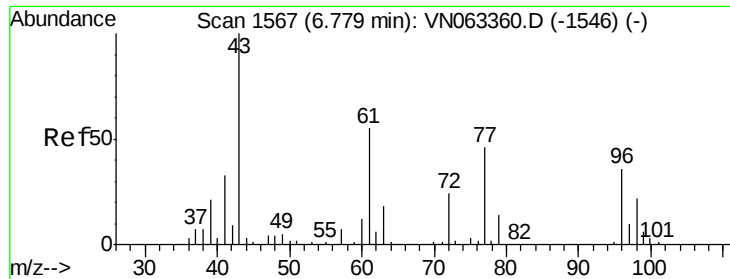
MMDadoda  
9/24/2020 1:38:18 PM



#26  
2,2-Dichloropropane  
Concen: 40.698 ug/l  
RT: 6.78 min Scan# 1567  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Tgt Ion: 77 Resp: 208191  
Ion Ratio Lower Upper  
77 100  
97 22.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 51.286 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063606.D

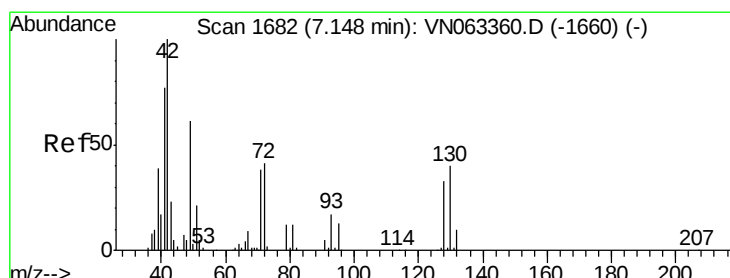
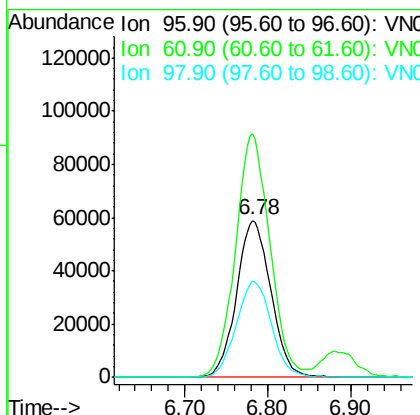
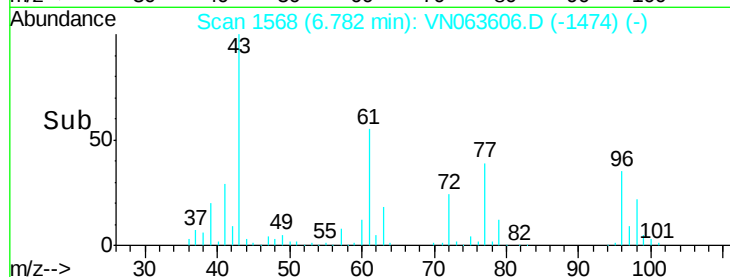
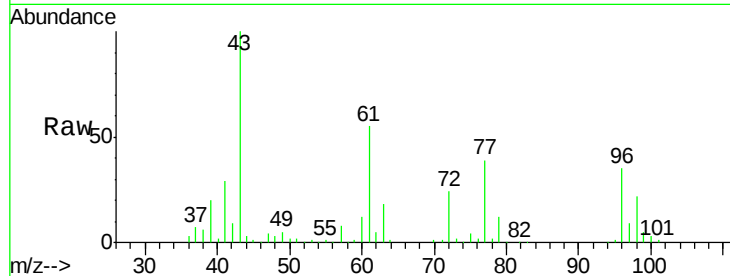
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 169662 |       |       |
| 61      | 155.8 | 0.0    | 319.6 |       |
| 98      | 62.6  | 0.0    | 127.8 |       |

Manual Integrations  
APPROVED

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9/24/2020 1:38:18 PM



#28

Bromochloromethane

Concen: 51.267 ug/l

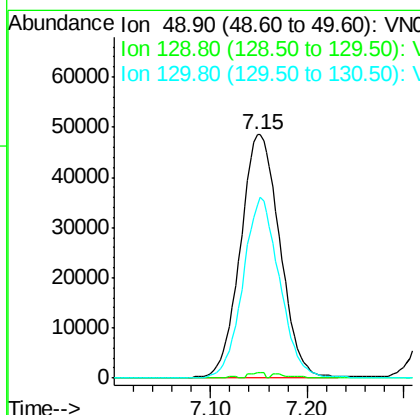
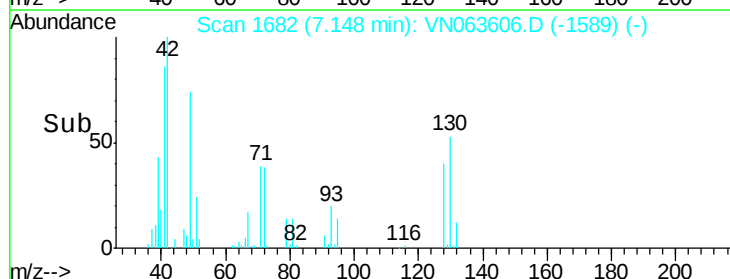
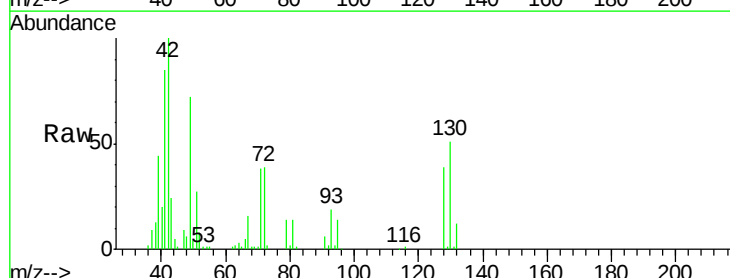
RT: 7.15 min Scan# 1682

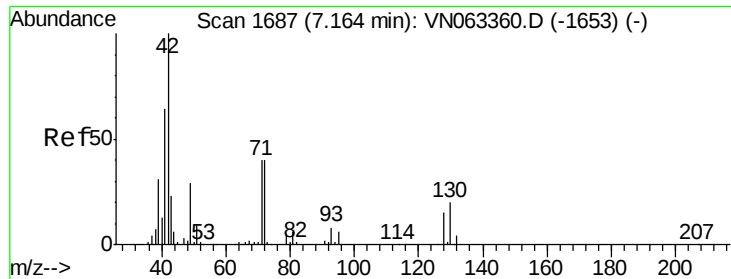
Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 137536 |       |       |
| 129     | 0.8   | 0.0    | 3.8   |       |
| 130     | 68.5  | 52.2   | 78.2  |       |





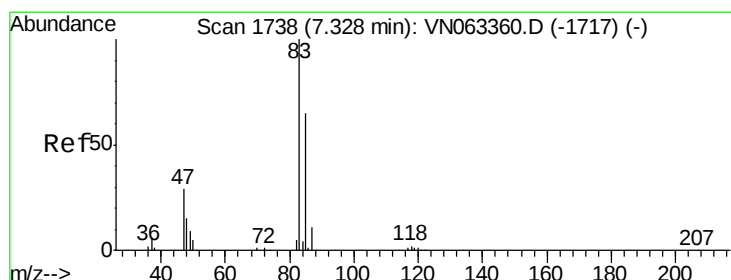
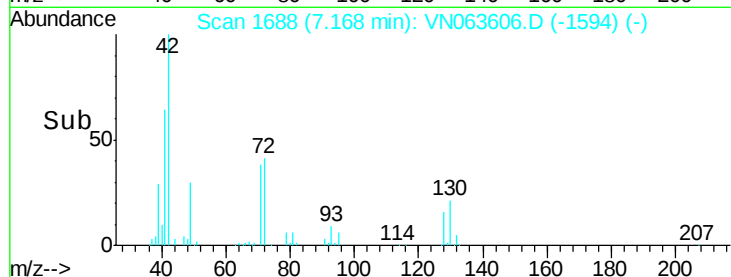
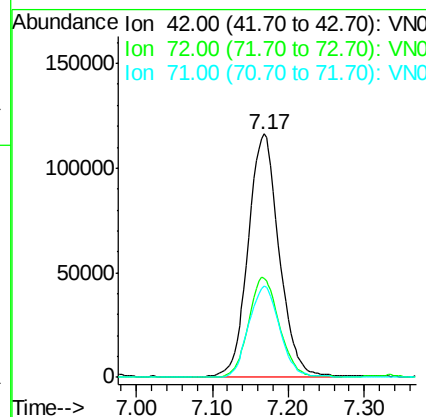
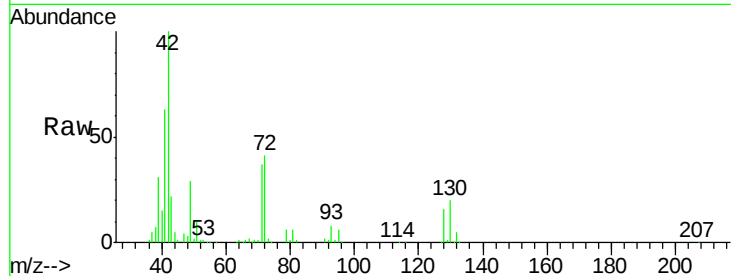
#29  
Tetrahydrofuran  
Concen: 244.833 ug/l  
RT: 7.17 min Scan# 1688  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.9  | 32.1  | 48.1  |
| 71      | 37.7  | 31.2  | 46.8  |

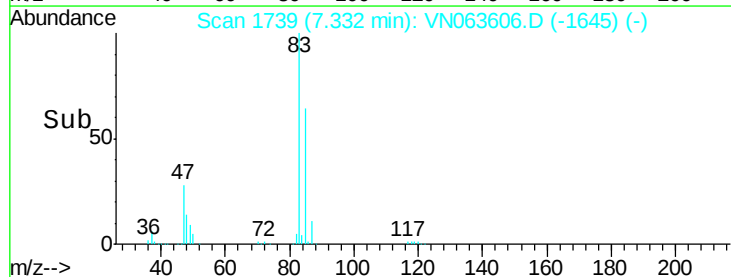
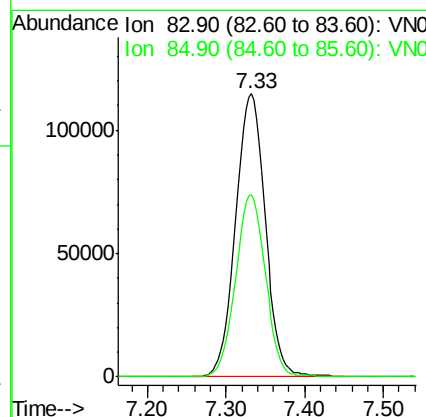
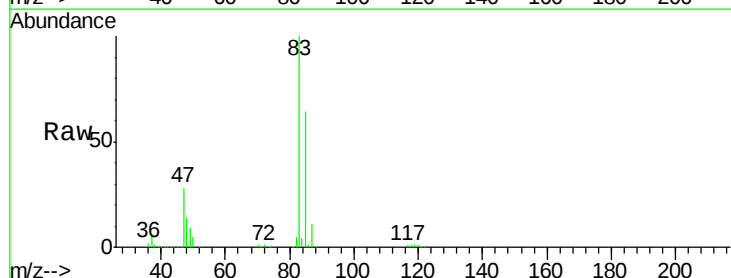
Manual Integrations  
APPROVED

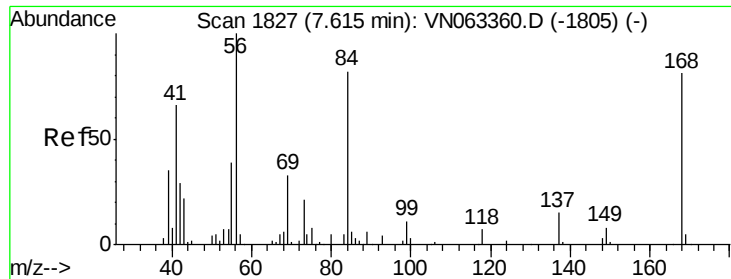
MMDadoda  
9/24/2020 1:38:18 PM



#30  
Chloroform  
Concen: 51.937 ug/l  
RT: 7.33 min Scan# 1739  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.5  | 52.1  | 78.1  |





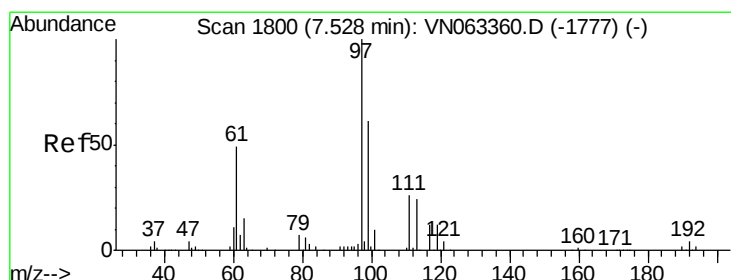
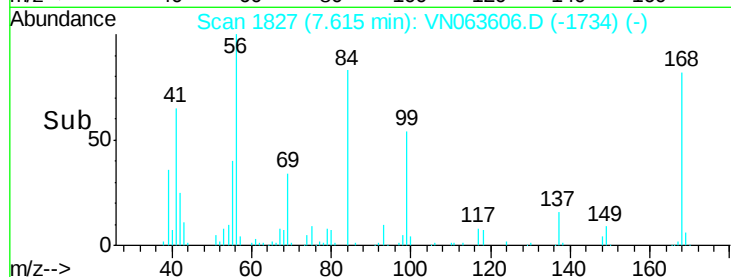
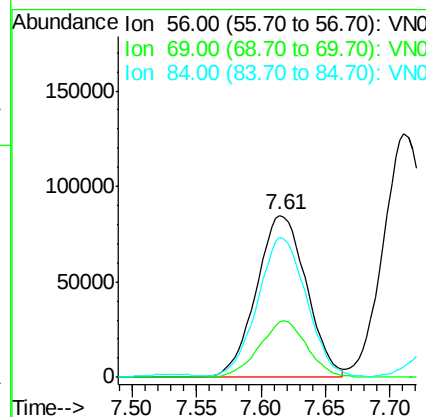
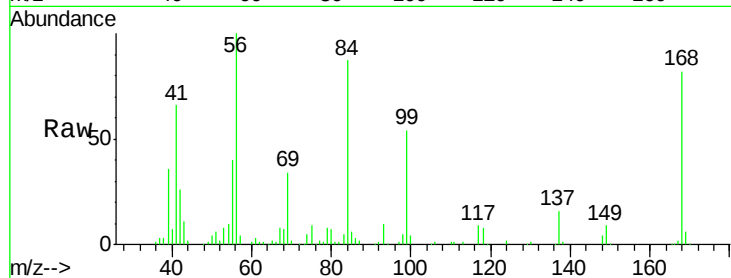
#31  
Cyclohexane  
Concen: 41.747 ug/l  
RT: 7.61 min Scan# 1827  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 34.4  | 26.1  | 39.1  |
| 84      | 85.1  | 65.4  | 98.2  |

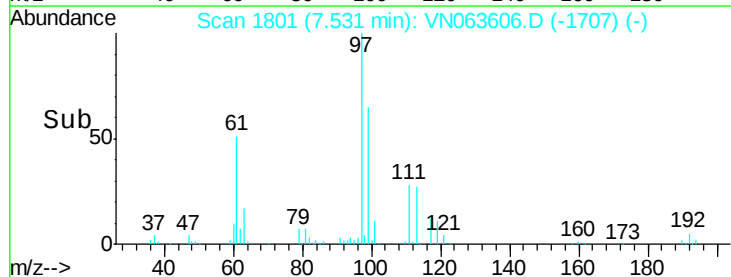
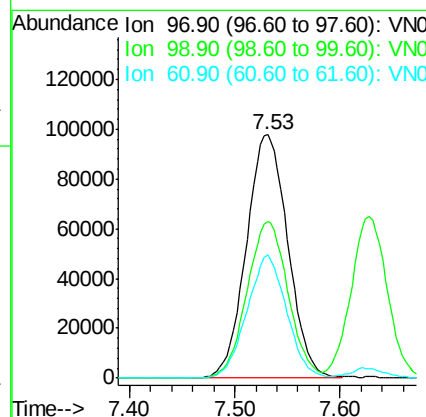
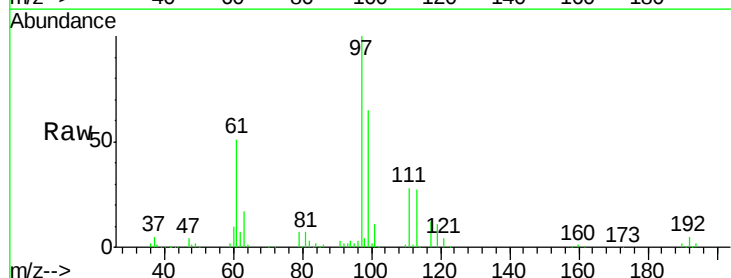
Manual Integrations  
APPROVED

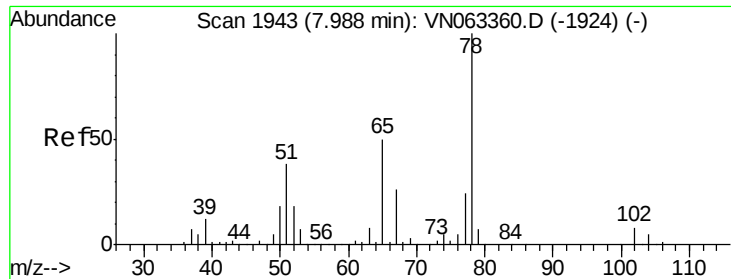
MMDadoda  
9/24/2020 1:38:18 PM



#32  
1,1,1-Trichloroethane  
Concen: 51.533 ug/l  
RT: 7.53 min Scan# 1801  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.6  | 50.6  | 76.0  |
| 61      | 48.3  | 39.2  | 58.8  |





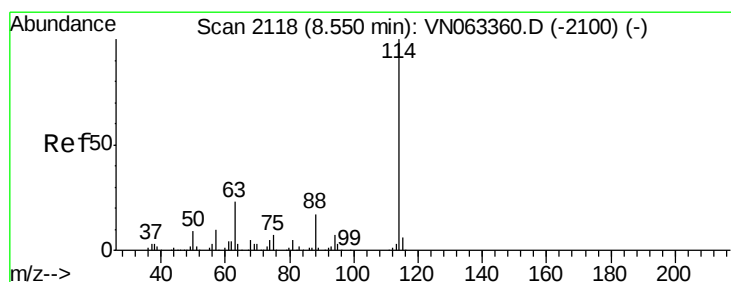
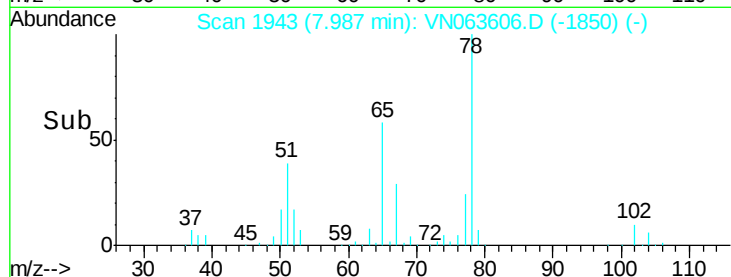
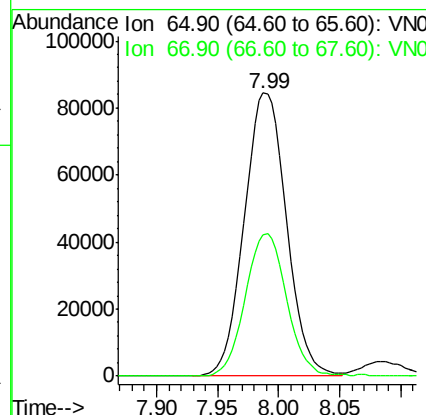
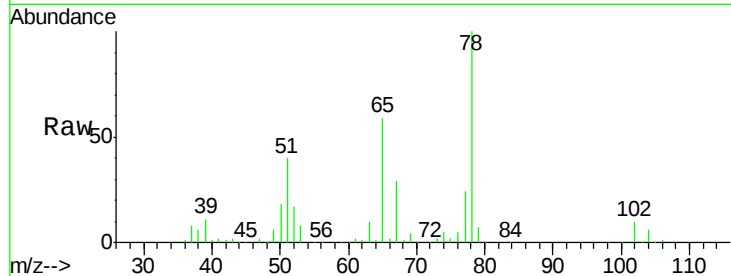
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.787 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 202098 |       |       |
| 67      | 49.3  | 0.0    | 104.2 |       |

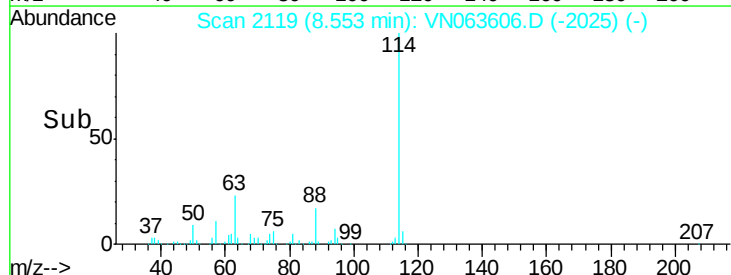
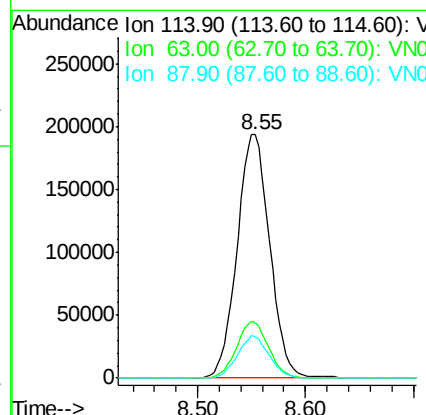
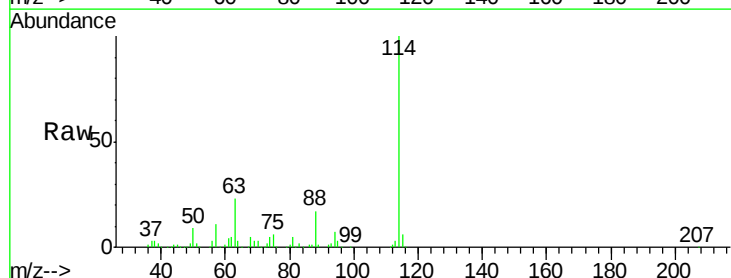
Manual Integrations  
 APPROVED

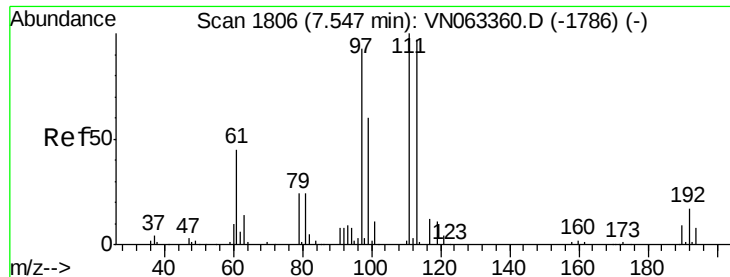
MMDadoda  
 9/24/2020 1:38:18 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 408456 |       |       |
| 63      | 23.0  | 0.0    | 46.4  |       |
| 88      | 17.2  | 0.0    | 33.2  |       |





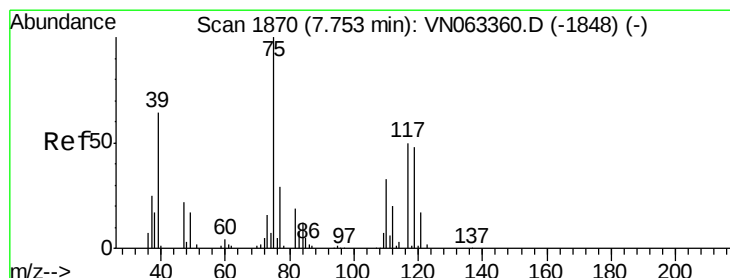
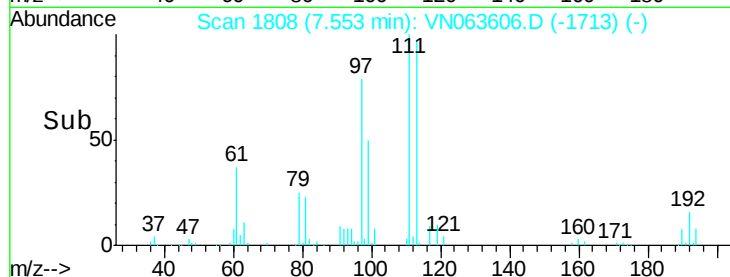
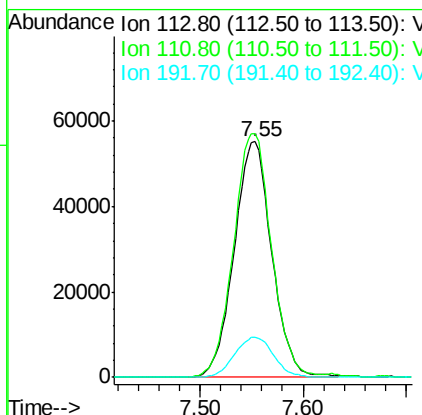
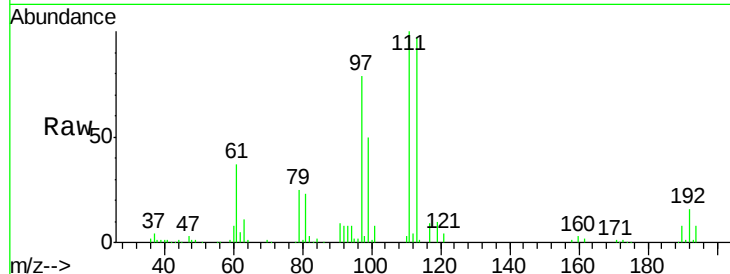
#35  
 Dibromofluoromethane  
 Concen: 49.479 ug/l  
 RT: 7.55 min Scan# 1808  
 Delta R.T. 0.01 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 139910 |       |       |
| 111     | 104.4 | 82.9   | 124.3 |       |
| 192     | 17.5  | 13.9   | 20.9  |       |

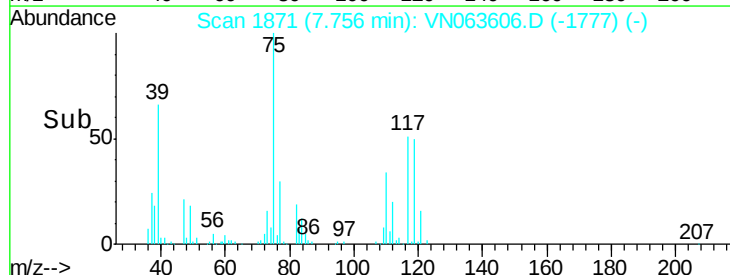
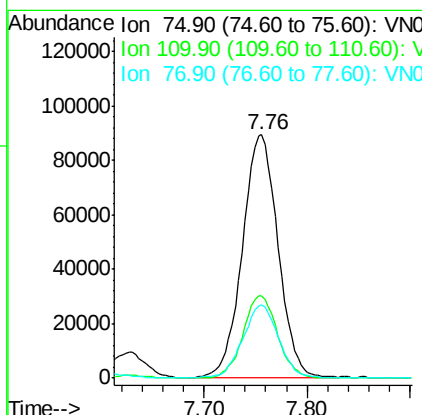
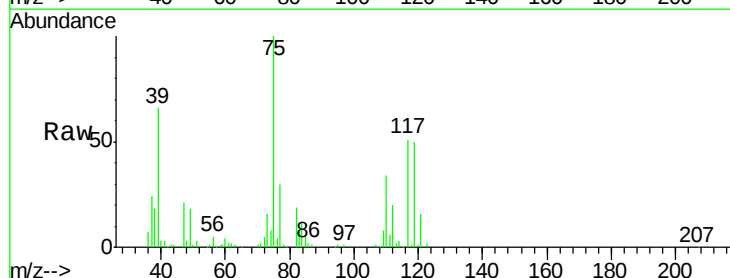
Manual Integrations  
 APPROVED

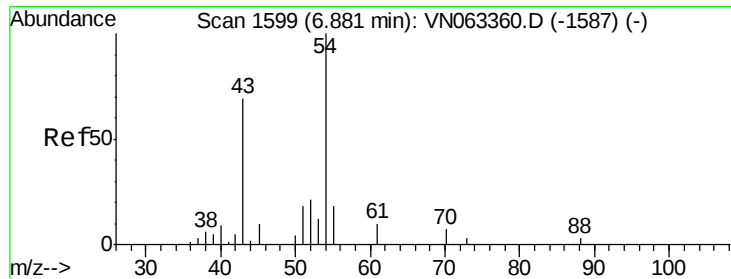
MMDadoda  
 9/24/2020 1:38:18 PM



#36  
 1,1-Dichloropropene  
 Concen: 49.025 ug/l  
 RT: 7.76 min Scan# 1871  
 Delta R.T. 0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 213334 |       |       |
| 110     | 33.1  | 16.5   | 49.5  |       |
| 77      | 30.6  | 24.6   | 36.8  |       |





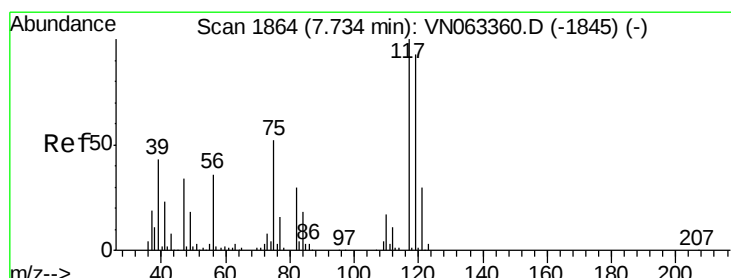
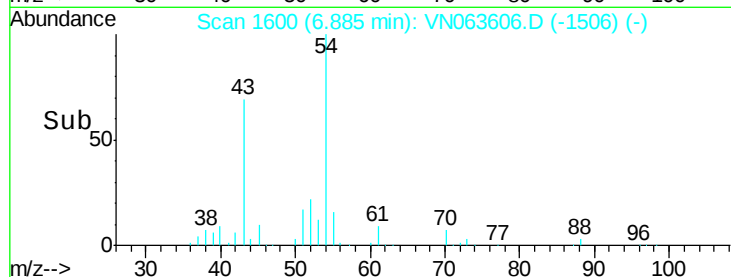
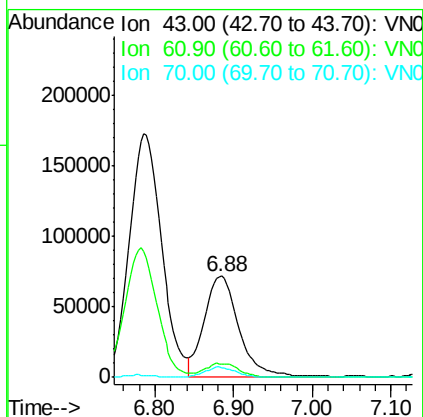
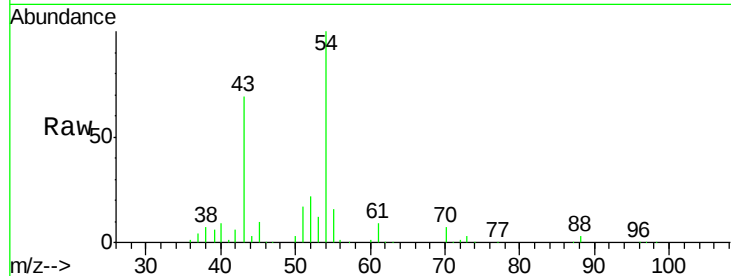
#37  
Ethyl Acetate  
Concen: 50.397 ug/l  
RT: 6.88 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.9  | 10.6  | 15.8  |
| 70      | 9.2   | 7.2   | 10.8  |

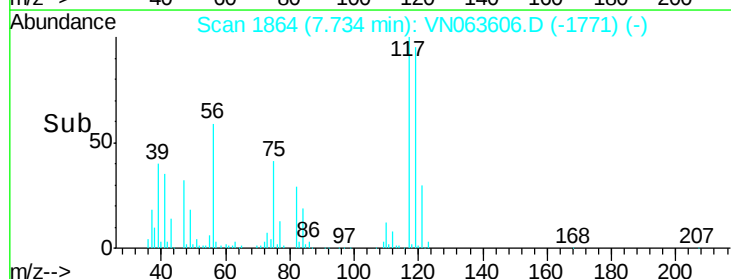
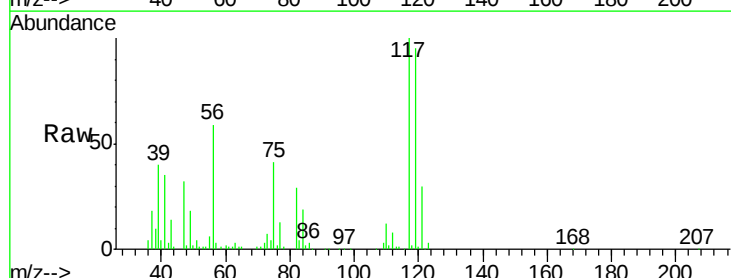
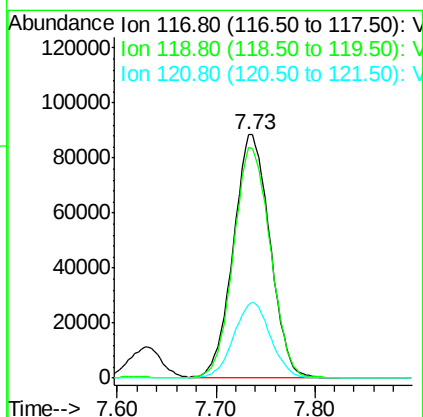
Manual Integrations  
APPROVED

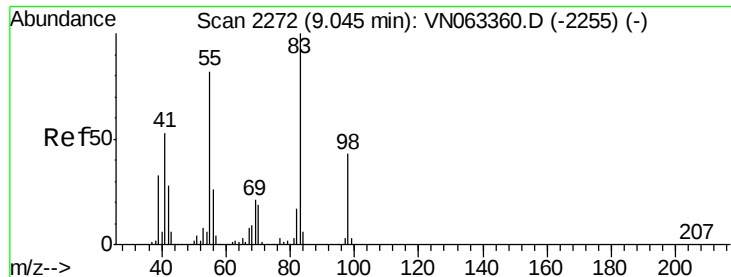
MMDadoda  
9/24/2020 1:38:18 PM



#38  
Carbon Tetrachloride  
Concen: 51.315 ug/l  
RT: 7.73 min Scan# 1864  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.9  | 74.5  | 111.7 |
| 121     | 30.2  | 24.1  | 36.1  |





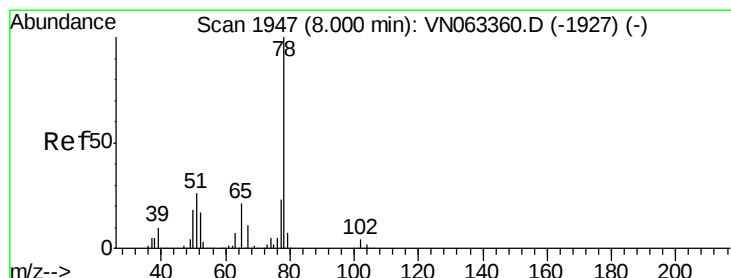
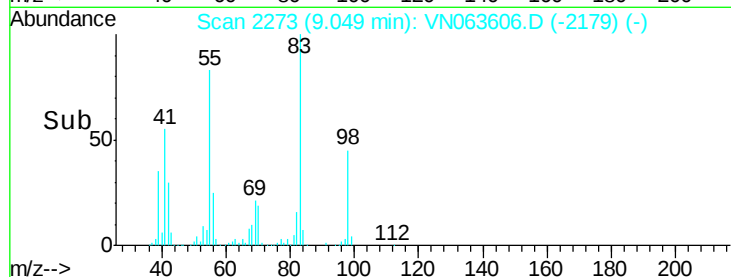
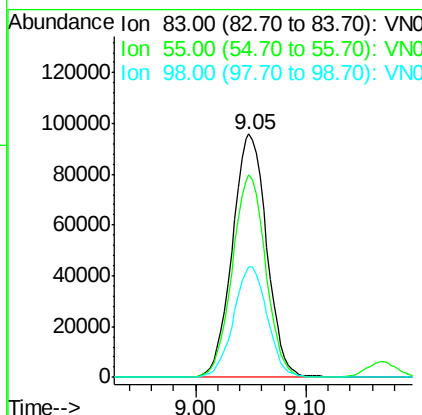
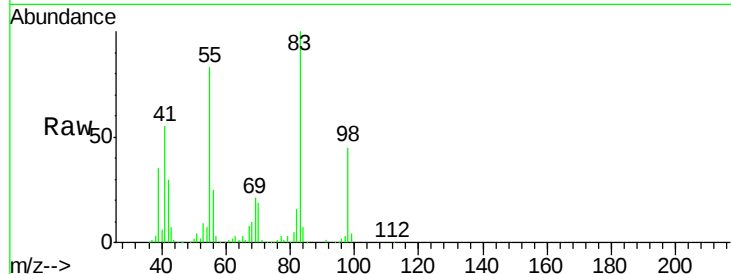
#39  
Methvlcvclohexane  
Concen: 43.743 ug/l  
RT: 9.05 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 83.1  | 65.5  | 98.3  |
| 98      | 45.4  | 34.2  | 51.4  |

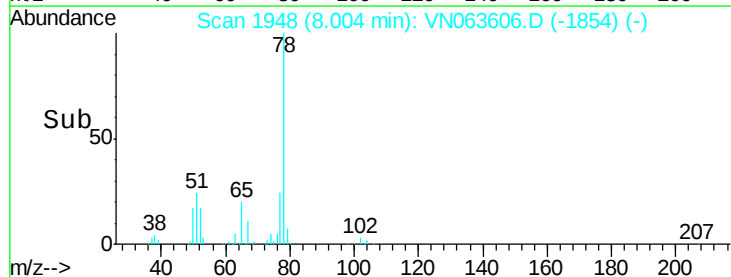
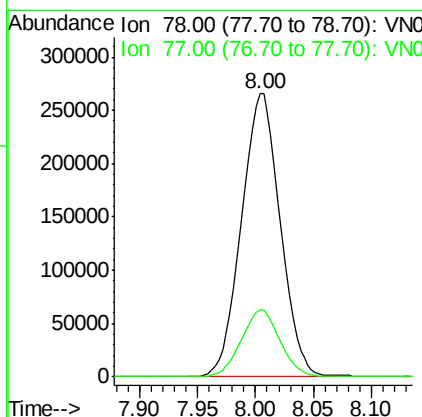
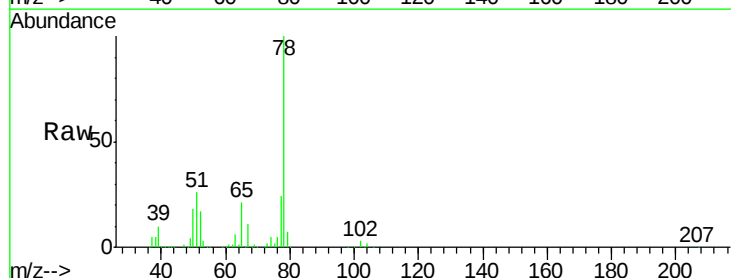
Manual Integrations  
APPROVED

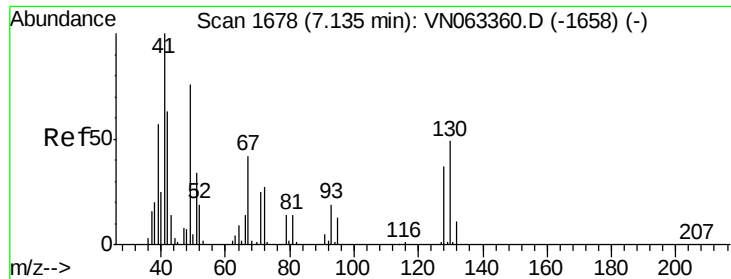
MMDadoda  
9/24/2020 1:38:18 PM



#40  
Benzene  
Concen: 49.874 ug/l  
RT: 8.00 min Scan# 1948  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 18.3  | 27.5  |





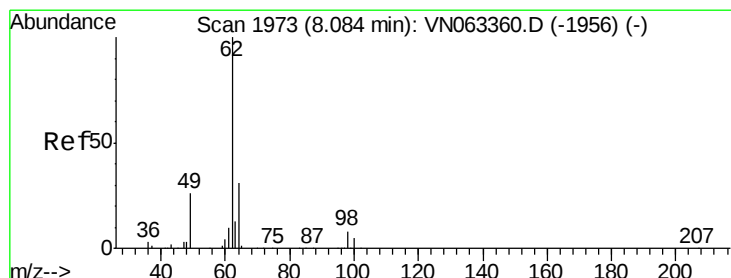
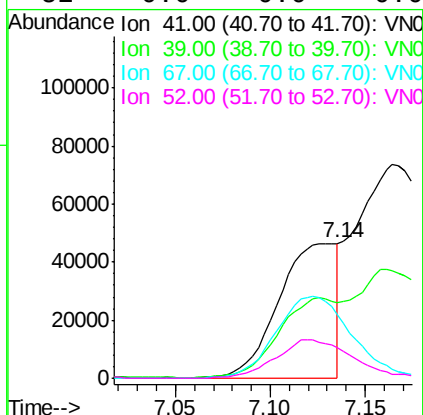
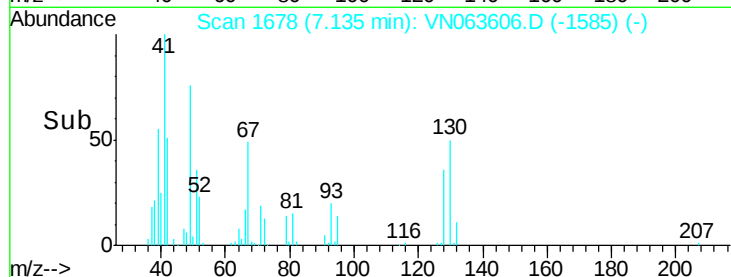
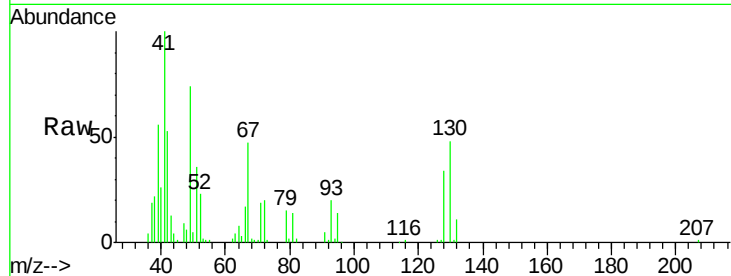
#41  
Methacrylonitrile  
Concen: 51.789 ug/l m  
RT: 7.14 min Scan# 1678  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 41    | Resp  | 99479 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 0.0   | 0.0   | 0.0   |
| 67      | 0.0   | 0.0   | 0.0   |
| 52      | 0.0   | 0.0   | 0.0   |

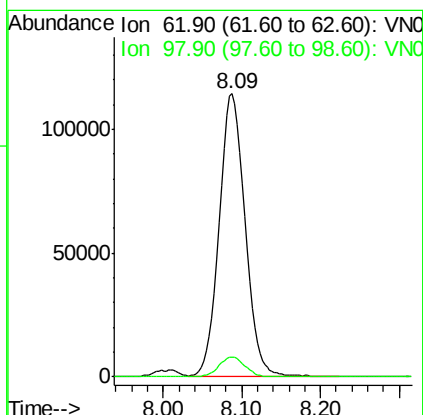
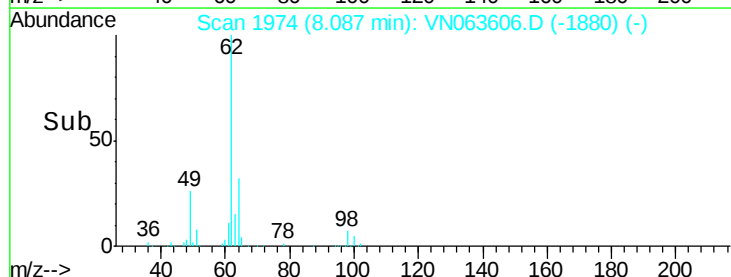
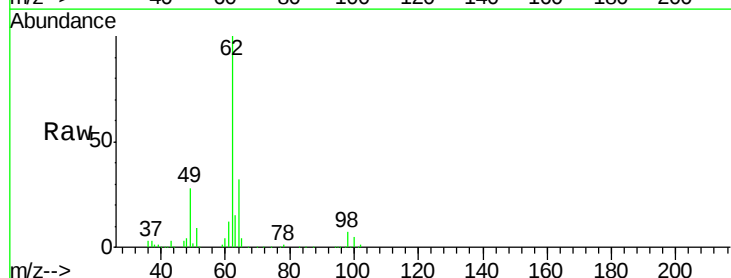
Manual Integrations  
APPROVED

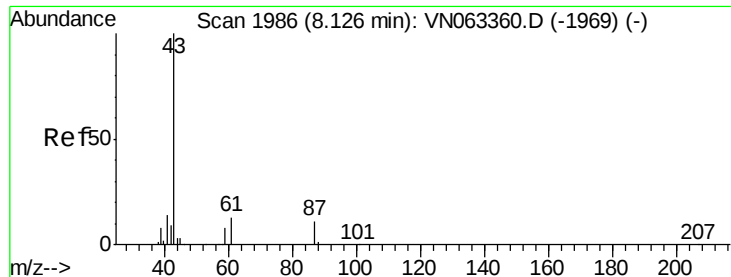
MMDadoda  
9/24/2020 1:38:18 PM



#42  
1,2-Dichloroethane  
Concen: 51.957 ug/l  
RT: 8.09 min Scan# 1974  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | 62    | Resp  | 259550 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 7.1   | 0.0   | 15.6   |





#43

Isopropyl Acetate

Concen: 48.021 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Instrument :

MSVOA\_N

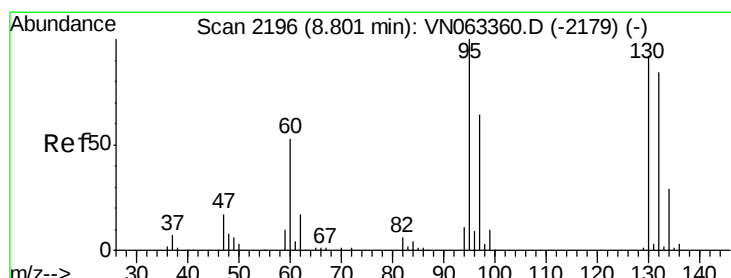
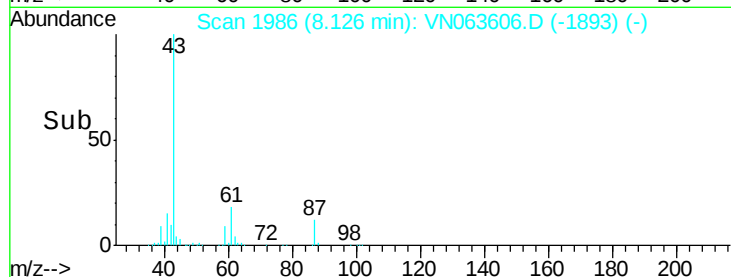
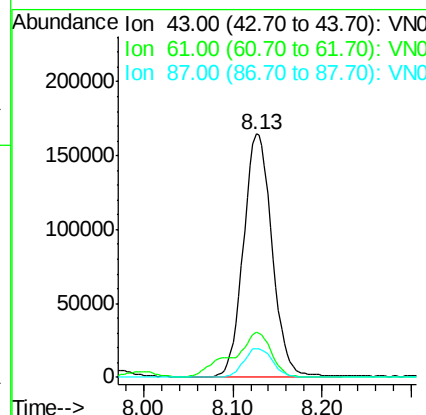
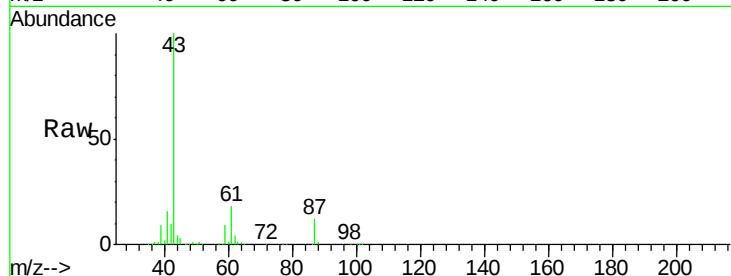
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 366718 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 17.4  | 14.2  | 21.2   |
| 87       | 12.1  | 9.0   | 13.6   |

Manual Integrations  
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9/24/2020 1:38:18 PM



#44

Trichloroethene

Concen: 50.500 ug/l

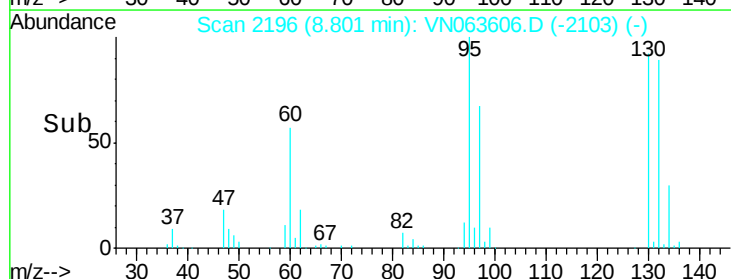
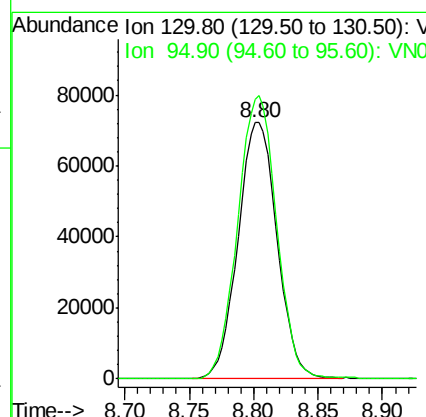
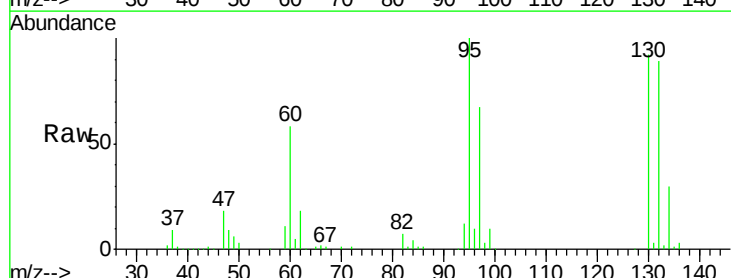
RT: 8.80 min Scan# 2196

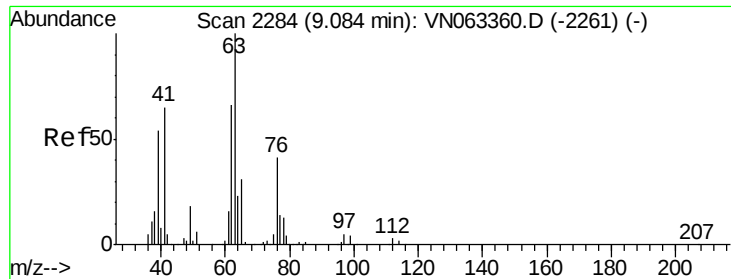
Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 152150 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 109.0 | 0.0   | 217.4  |





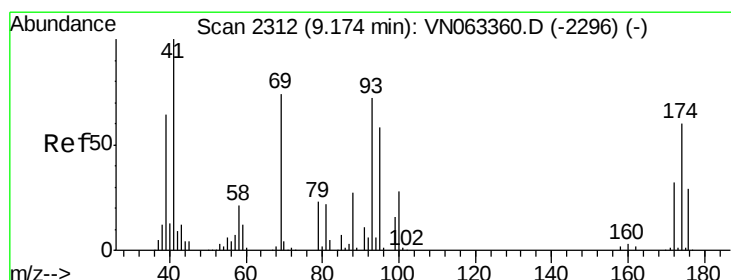
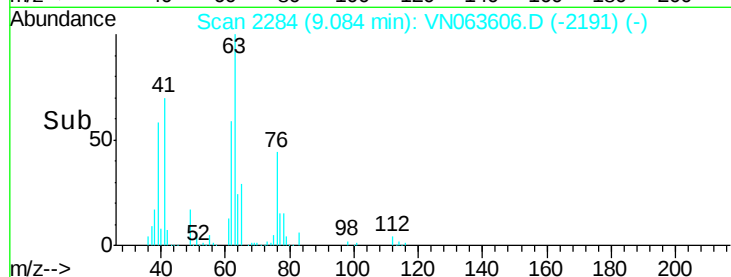
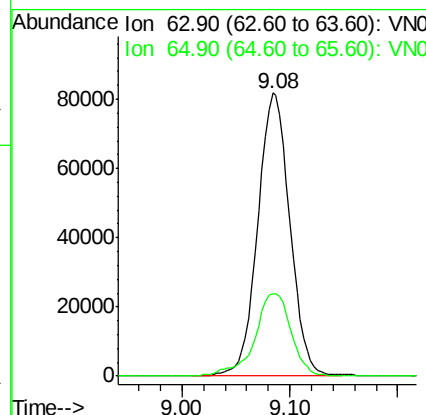
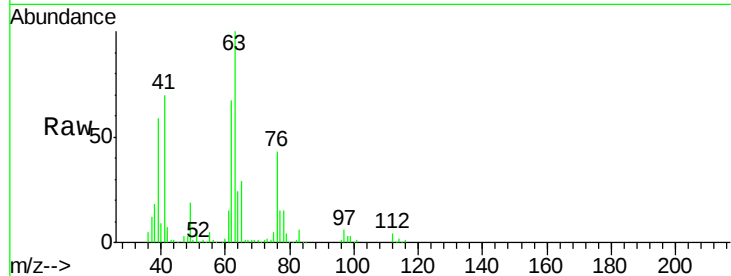
#45  
 1,2-Dichloropropane  
 Concen: 49.987 ug/l  
 RT: 9.08 min Scan# 2284  
 Delta R.T. -0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 169117  
 Ion Ratio Lower Upper  
 63 100  
 65 29.3 25.0 37.6

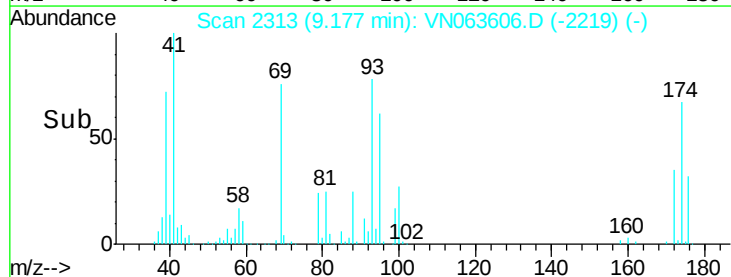
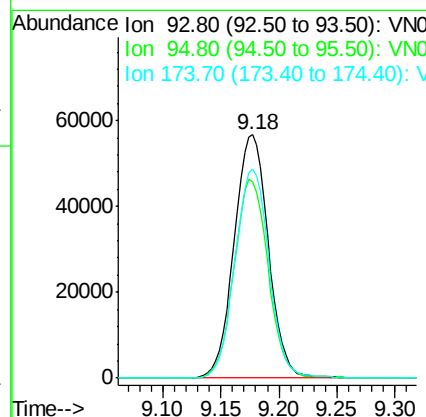
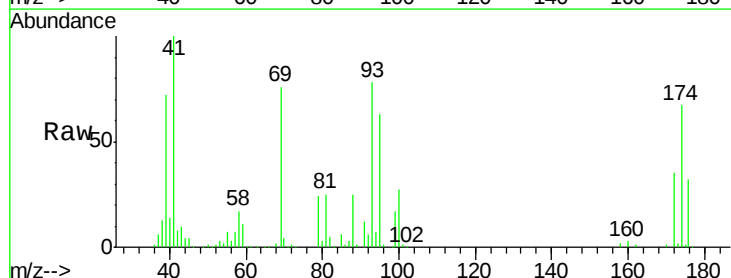
Manual Integrations  
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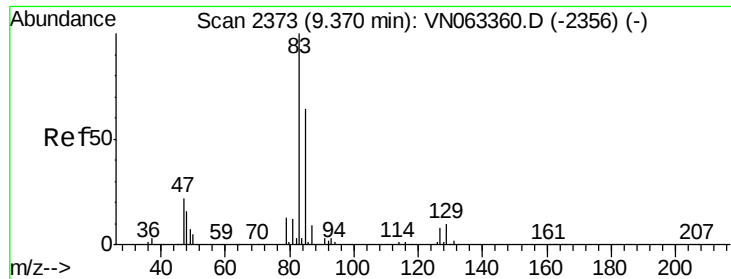
MMDadoda  
 9/24/2020 1:38:18 PM



#46  
 Dibromomethane  
 Concen: 52.314 ug/l  
 RT: 9.18 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

Tgt Ion: 93 Resp: 116327  
 Ion Ratio Lower Upper  
 93 100  
 95 81.2 65.6 98.4  
 174 85.6 68.1 102.1





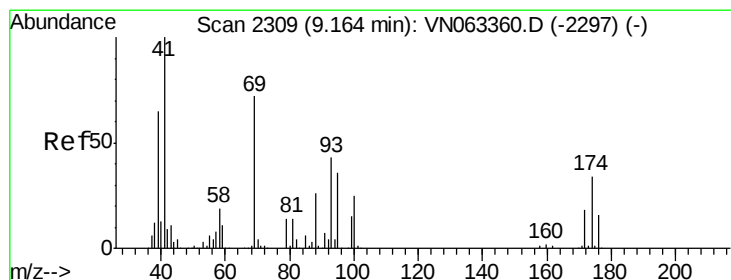
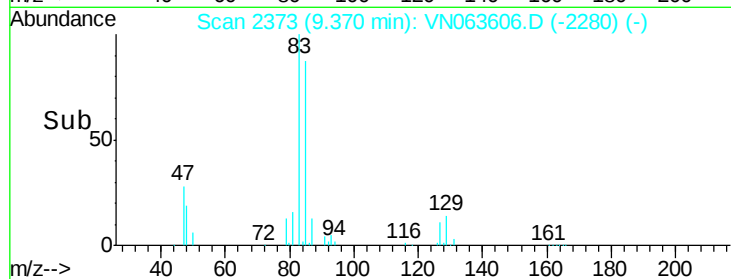
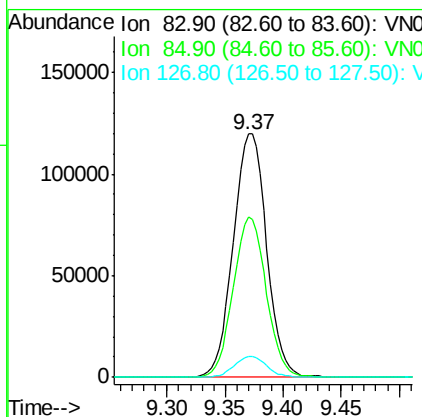
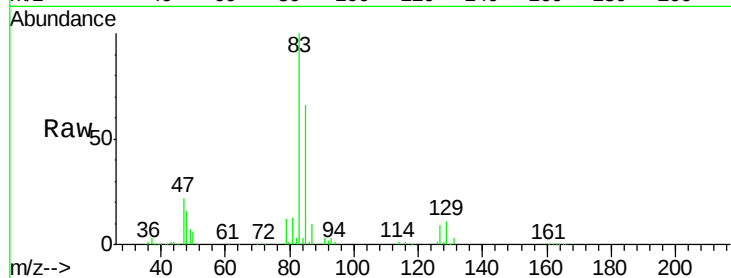
#47  
Bromodichloromethane  
Concen: 51.863 ug/l  
RT: 9.37 min Scan# 2373  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 239584 |       |       |
| 85      | 66.1  | 51.0   | 76.6  |       |
| 127     | 8.6   | 6.3    | 9.5   |       |

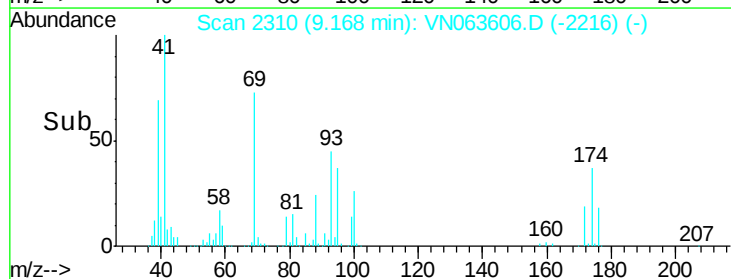
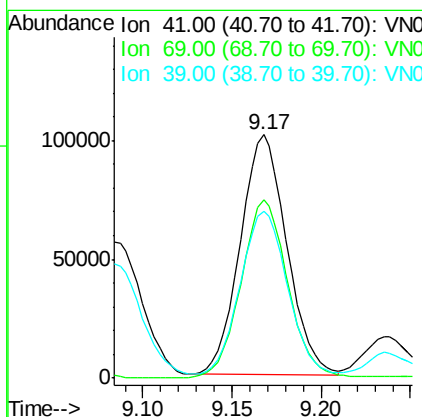
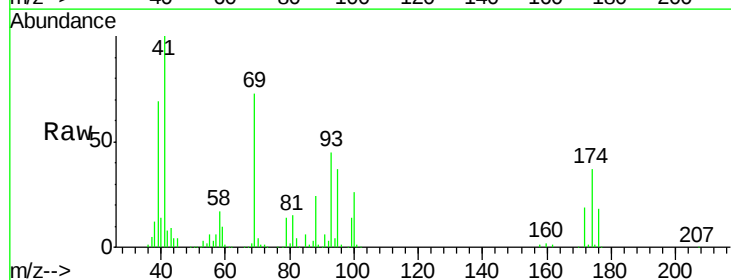
Manual Integrations  
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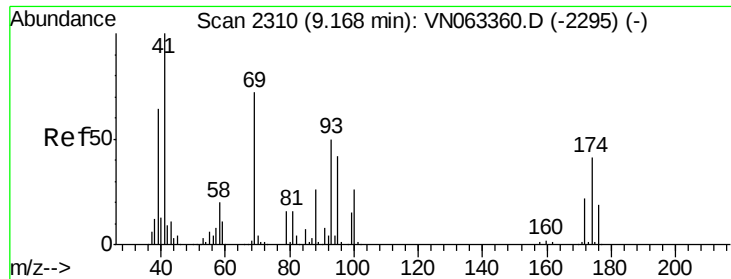
MMDadoda  
9/24/2020 1:38:18 PM



#48  
Methyl methacrylate  
Concen: 49.288 ug/l  
RT: 9.17 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 184925 |       |       |
| 69      | 74.6  | 59.3   | 88.9  |       |
| 39      | 71.4  | 52.9   | 79.3  |       |





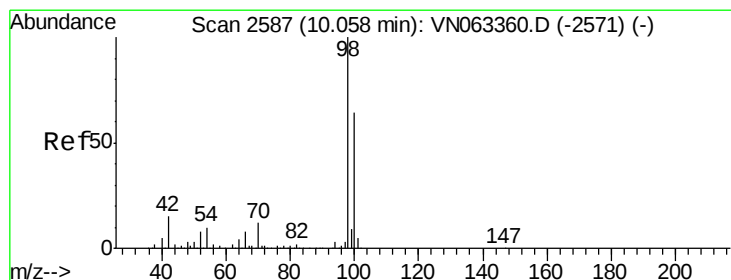
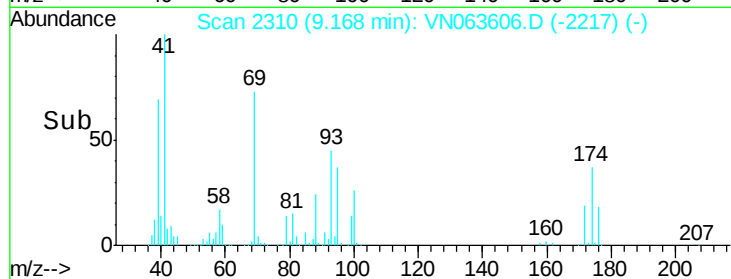
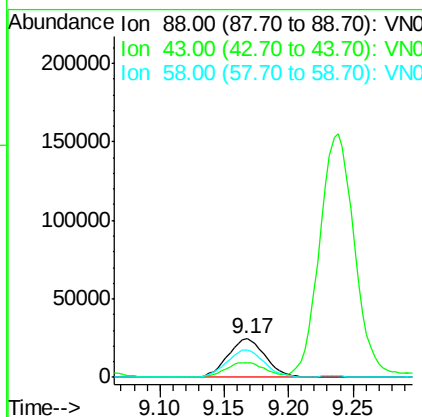
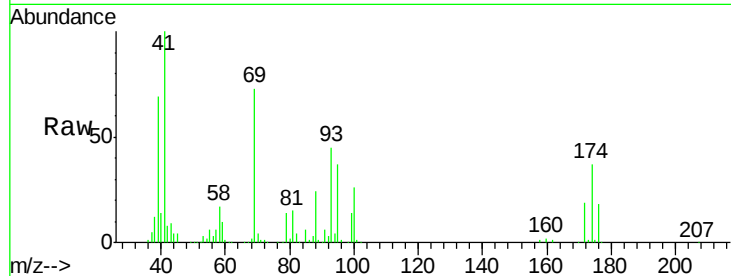
#49  
1,4-Dioxane  
Concen: 925.416 ug/l  
RT: 9.17 min Scan# 2310  
Delta R.T. -0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 38.1  | 32.6  | 49.0  |
| 58      | 71.5  | 60.0  | 90.0  |

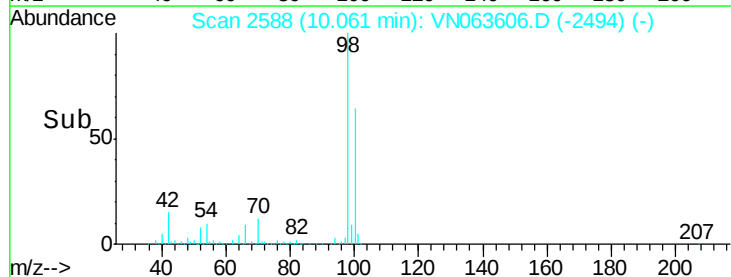
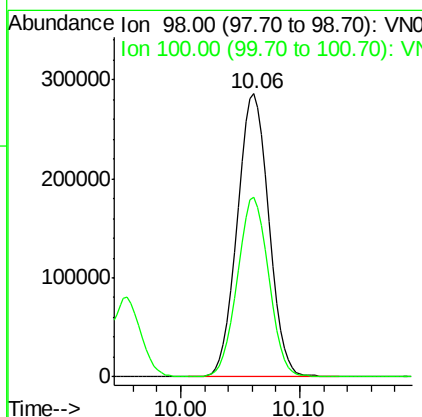
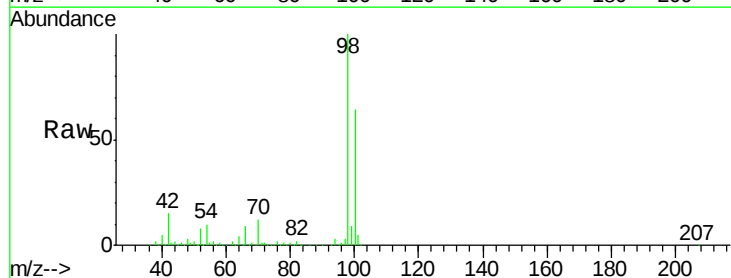
Manual Integrations  
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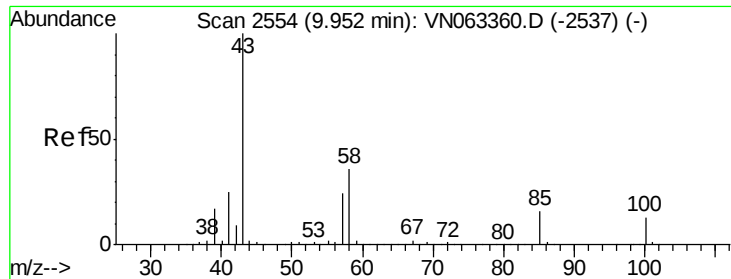
MMDadoda  
9/24/2020 1:38:18 PM



#50  
Toluene-d8  
Concen: 49.600 ug/l  
RT: 10.06 min Scan# 2588  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.8  | 50.7  | 76.1  |





#51

4-Methyl-2-Pentanone

Concen: 259.149 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1107934

Ion Ratio Lower Upper

43 100

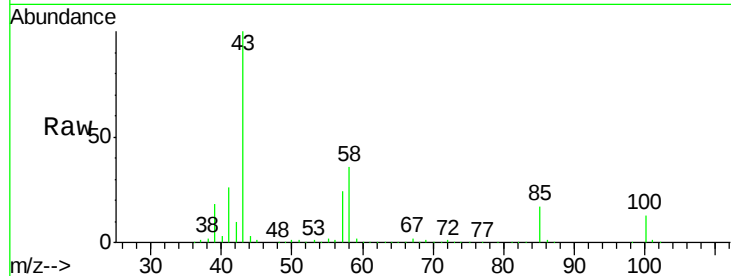
58 36.1 29.0 43.6

Manual Integrations

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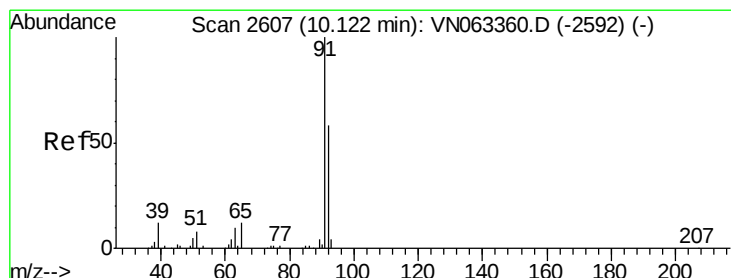
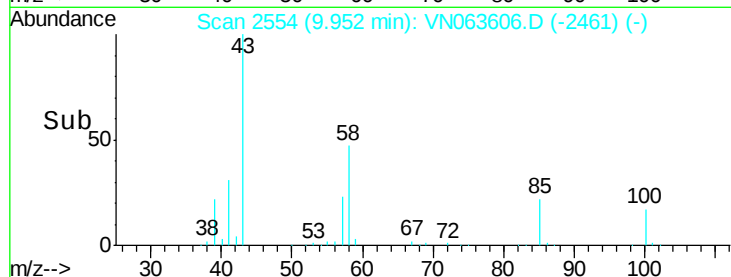
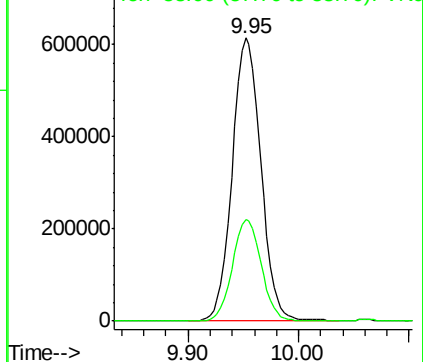
MMDadoda

9/24/2020 1:38:18 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.936 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063606.D

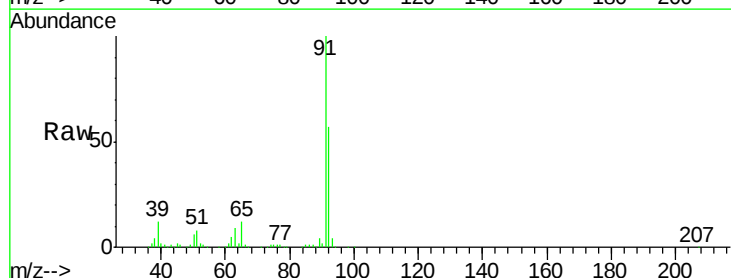
Acq: 23 Sep 2020 22:06

Tgt Ion: 92 Resp: 387888

Ion Ratio Lower Upper

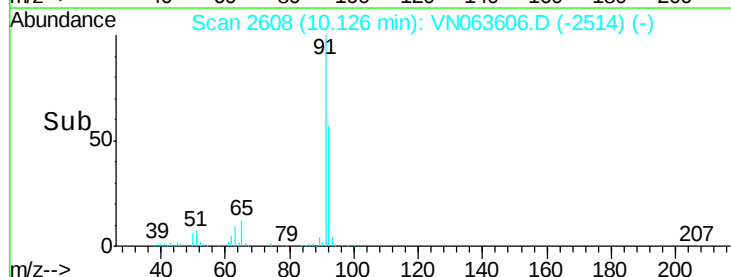
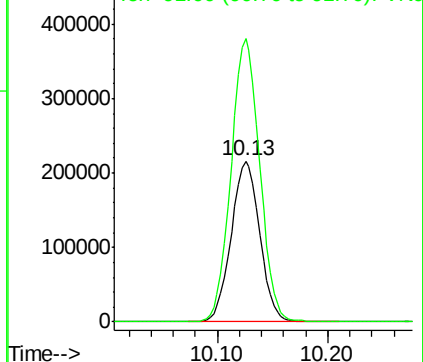
92 100

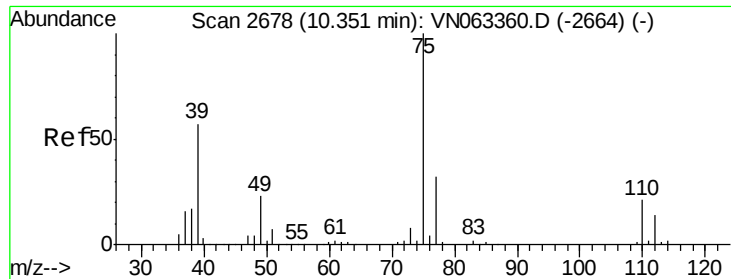
91 176.8 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





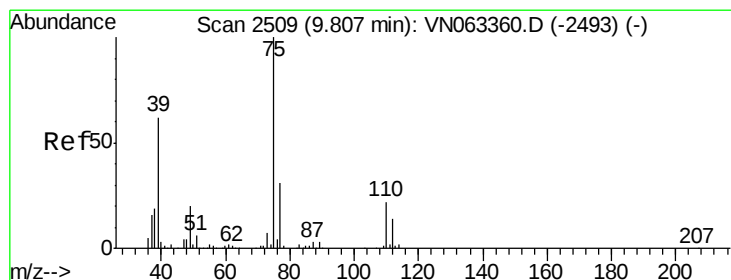
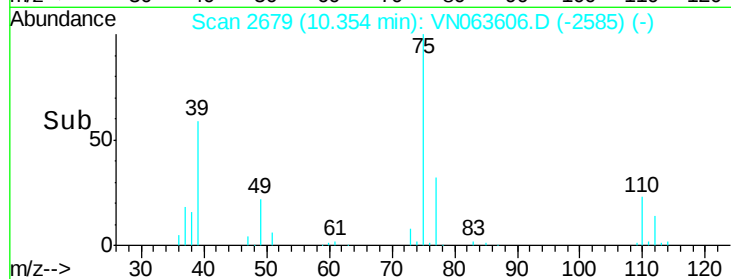
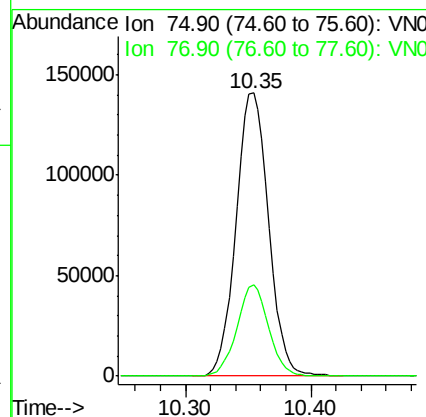
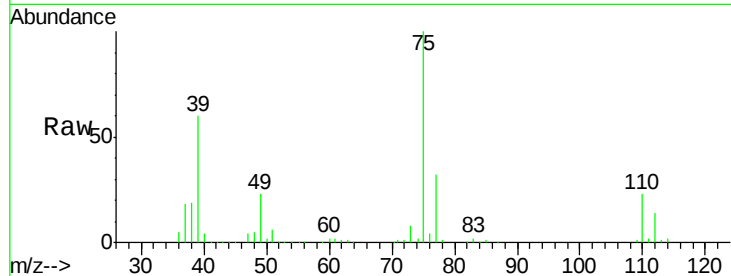
#53  
t-1,3-Dichloropropene  
Concen: 49.233 ug/l  
RT: 10.35 min Scan# 2679  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.4  | 25.4  | 38.2  |

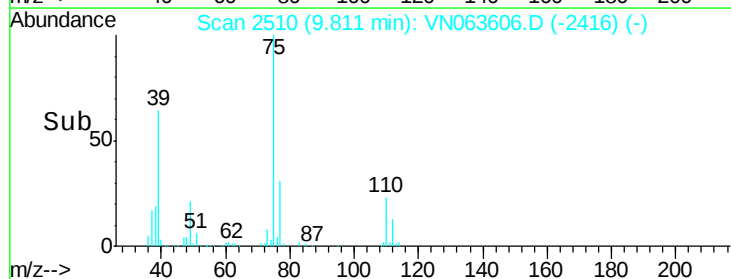
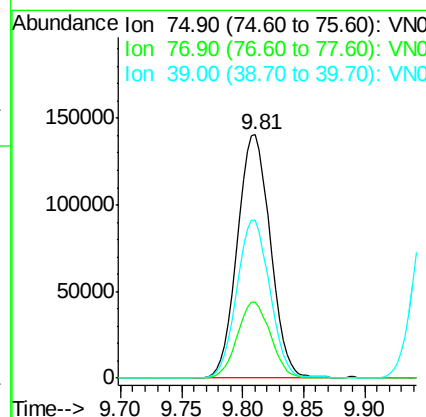
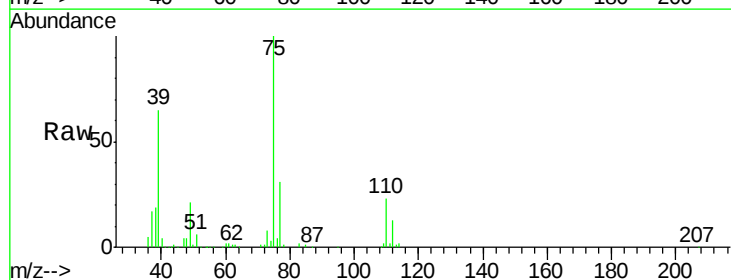
Manual Integrations  
APPROVED

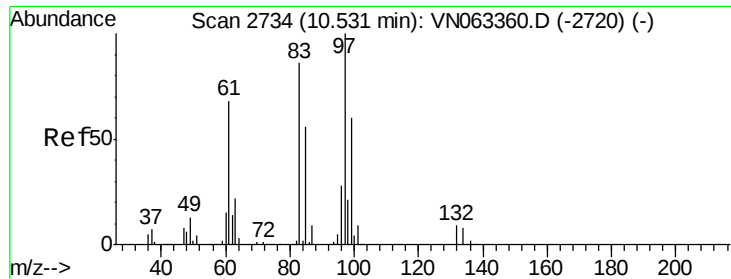
MMDadoda  
9/24/2020 1:38:18 PM



#54  
cis-1,3-Dichloropropene  
Concen: 48.657 ug/l  
RT: 9.81 min Scan# 2510  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.2  | 24.6  | 37.0  |
| 39      | 64.5  | 49.8  | 74.8  |





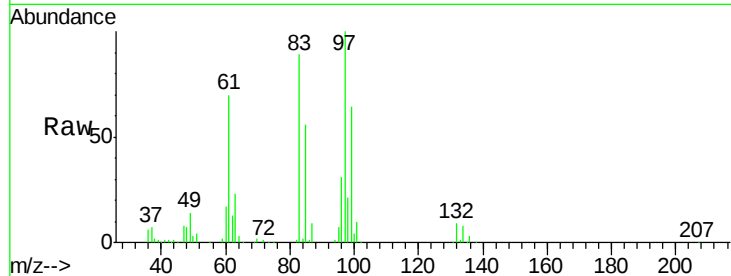
#55  
 1,1,2-Trichloroethane  
 Concen: 52.408 ug/l  
 RT: 10.53 min Scan# 2735  
 Delta R.T. 0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | 97    | Resp  | 155470 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 97      | 100   |       |        |
| 83      | 88.8  | 68.9  | 103.3  |
| 85      | 56.5  | 44.8  | 67.2   |
| 99      | 63.6  | 47.8  | 71.8   |

Manual Integrations  
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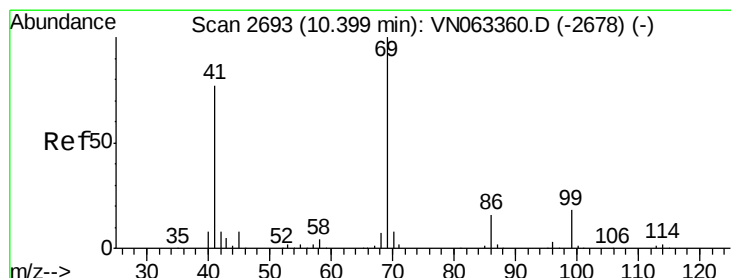
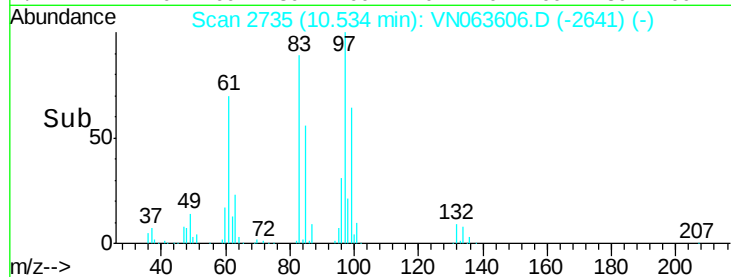
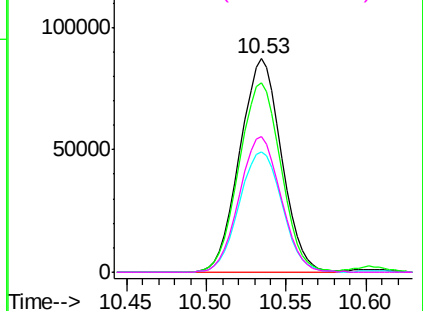


Abundance Ion 96.90 (96.60 to 97.60): VN063360.D (-2720) (-)

Ion 82.90 (82.60 to 83.60): VN063360.D (-2720) (-)

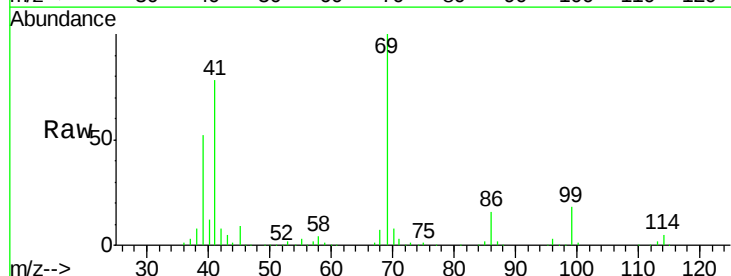
Ion 84.90 (84.60 to 85.60): VN063360.D (-2720) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-2720) (-)



#56  
 Ethyl methacrylate  
 Concen: 51.063 ug/l  
 RT: 10.40 min Scan# 2694  
 Delta R.T. 0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

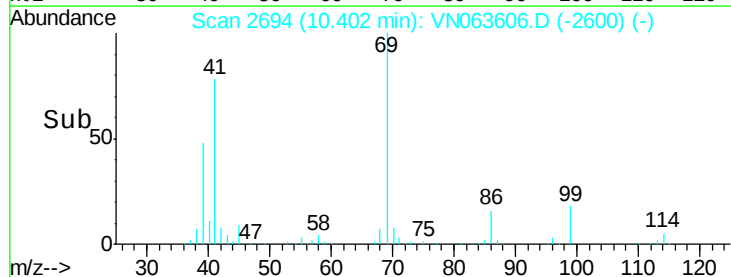
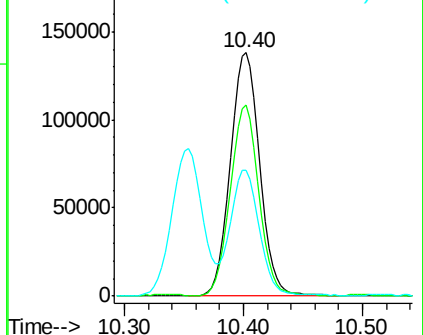
| Tgt Ion | 69    | Resp  | 236477 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 69      | 100   |       |        |
| 41      | 75.8  | 61.0  | 91.6   |
| 39      | 50.1  | 39.2  | 58.8   |



Abundance Ion 69.00 (68.70 to 69.70): VN063360.D (-2678) (-)

Ion 41.00 (40.70 to 41.70): VN063360.D (-2678) (-)

Ion 39.00 (38.70 to 39.70): VN063360.D (-2678) (-)





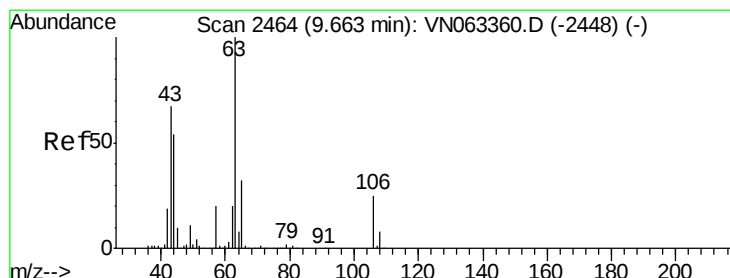
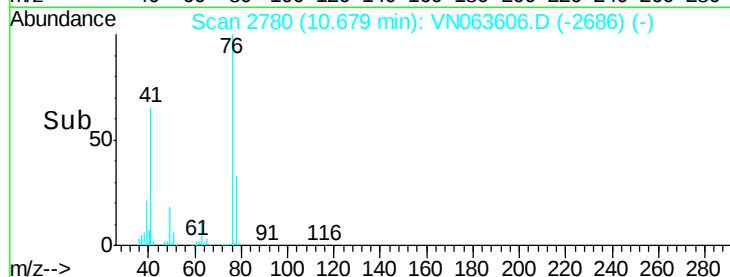
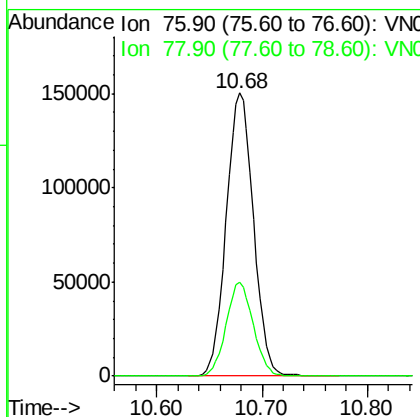
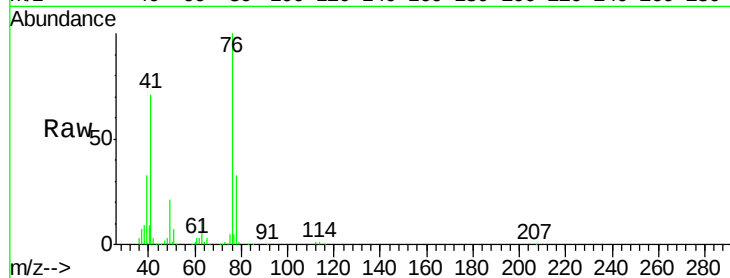
#57  
 1,3-Dichloropropane  
 Concen: 50.017 ug/l  
 RT: 10.68 min Scan# 2780  
 Delta R.T. 0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 267575  
 Ion Ratio Lower Upper  
 76 100  
 78 32.9 25.8 38.8

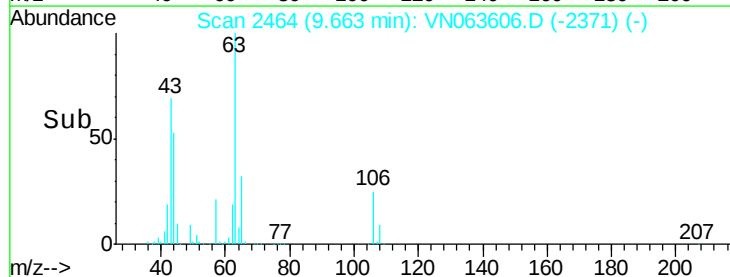
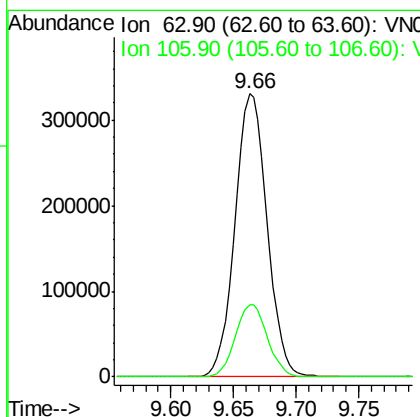
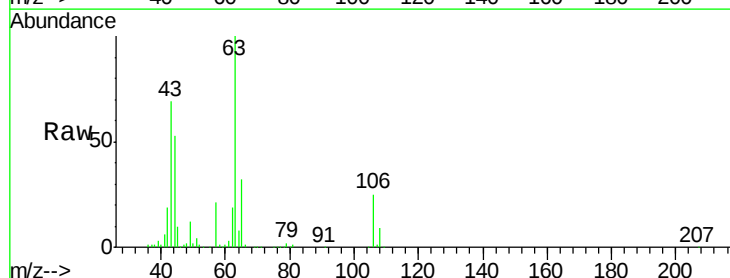
Manual Integrations  
 APPROVED

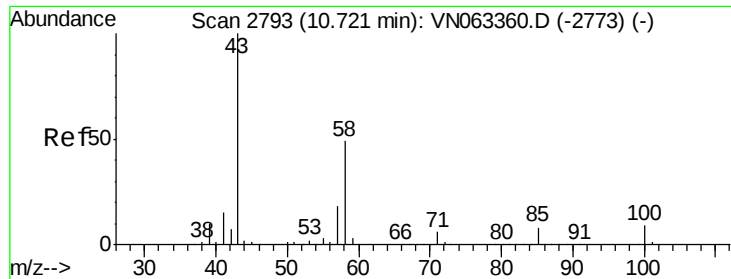
MMDadoda  
 9/24/2020 1:38:18 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 242.077 ug/l  
 RT: 9.66 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

Tgt Ion: 63 Resp: 588100  
 Ion Ratio Lower Upper  
 63 100  
 106 25.7 19.5 29.3





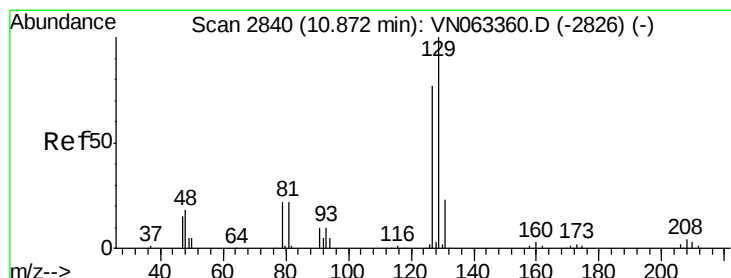
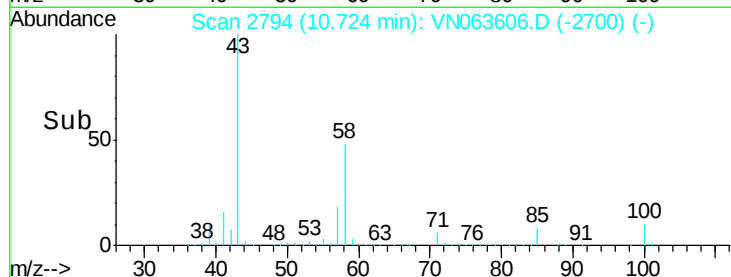
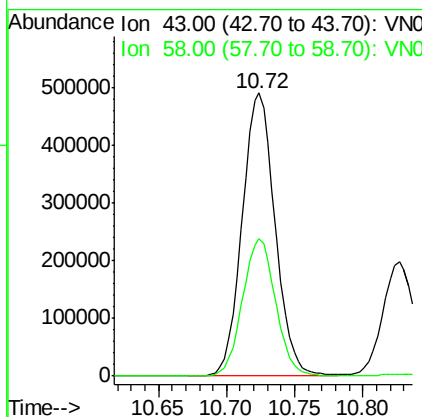
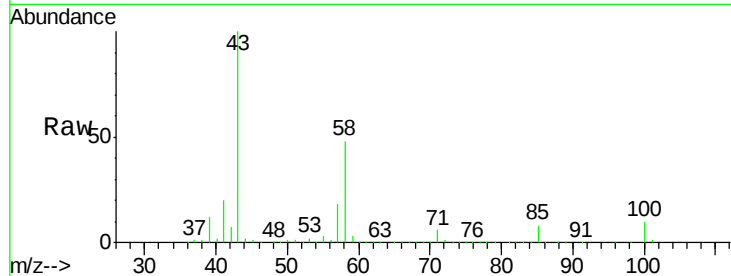
#59  
2-Hexanone  
Concen: 264.768 ug/l  
RT: 10.72 min Scan# 2794  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 820073  
Ion Ratio Lower Upper  
43 100  
58 48.9 24.7 74.1

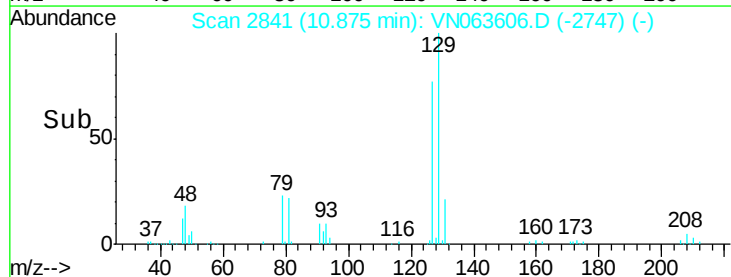
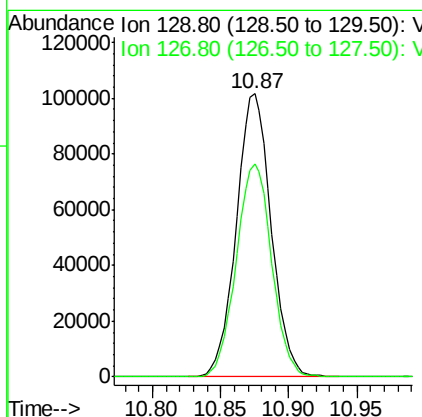
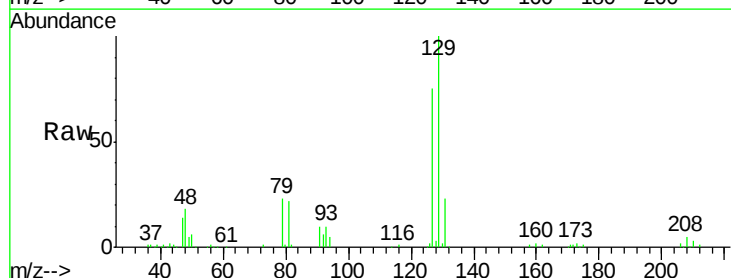
Manual Integrations  
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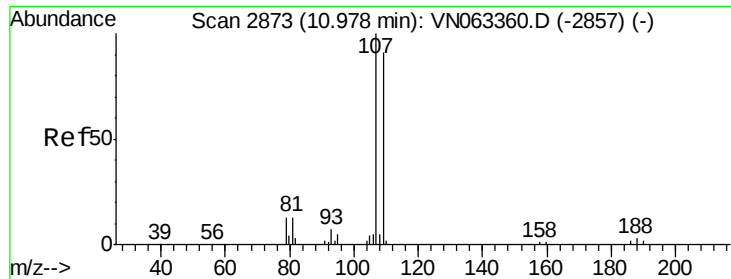
MMDadoda  
9/24/2020 1:38:18 PM



#60  
Dibromochloromethane  
Concen: 53.807 ug/l  
RT: 10.87 min Scan# 2841  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Tgt Ion: 129 Resp: 180327  
Ion Ratio Lower Upper  
129 100  
127 76.4 39.1 117.3





#61

1,2-Dibromoethane

Concen: 52.923 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 163110

Ion Ratio Lower Upper

107 100

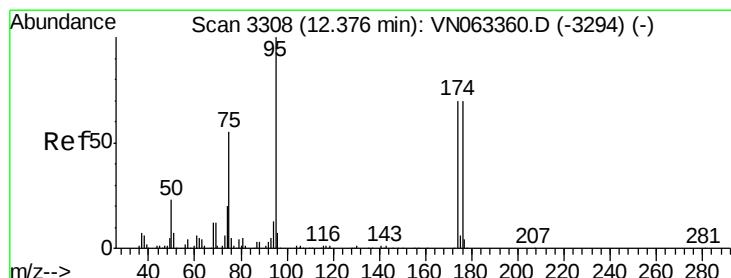
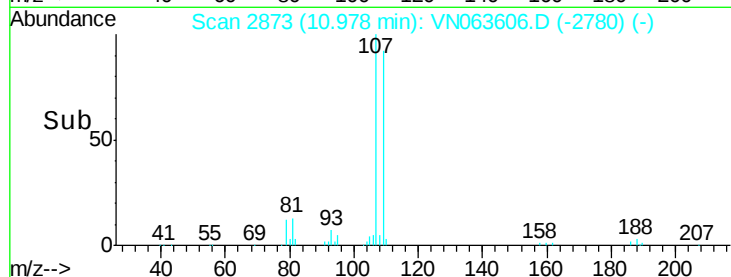
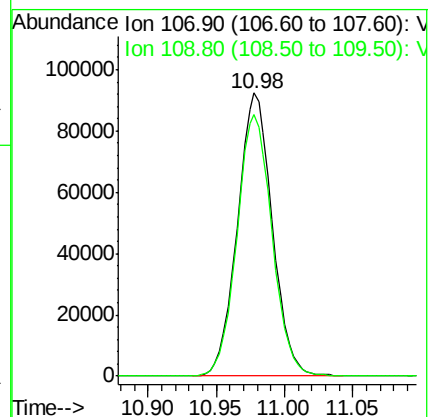
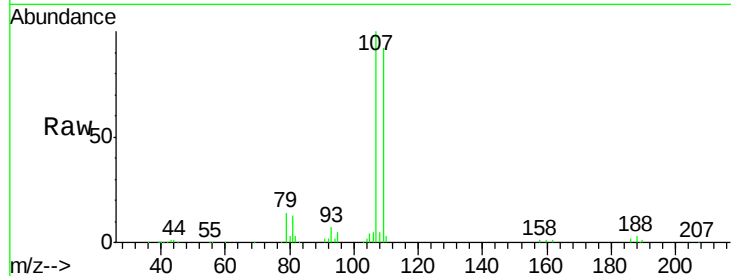
109 93.5 74.6 111.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 52.099 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

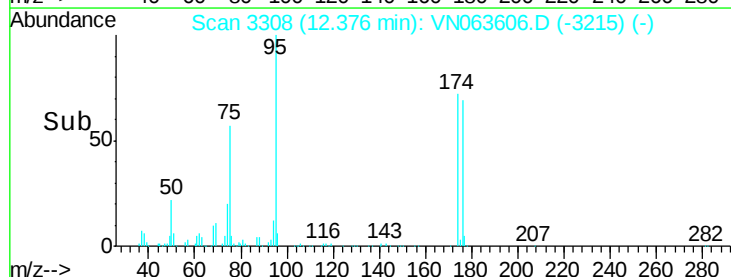
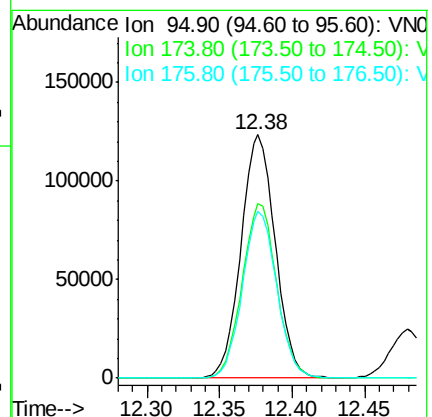
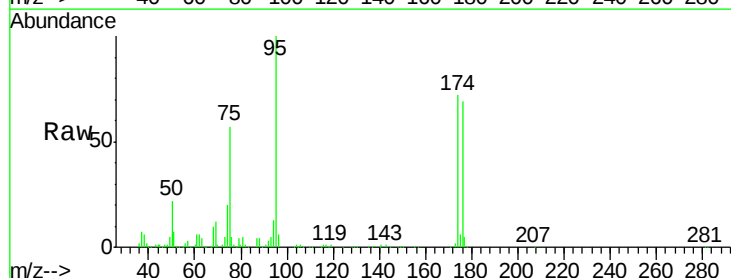
Tgt Ion: 95 Resp: 203067

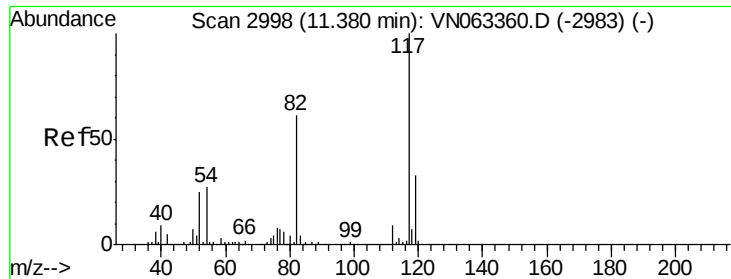
Ion Ratio Lower Upper

95 100

174 71.8 0.0 140.8

176 68.5 0.0 137.6





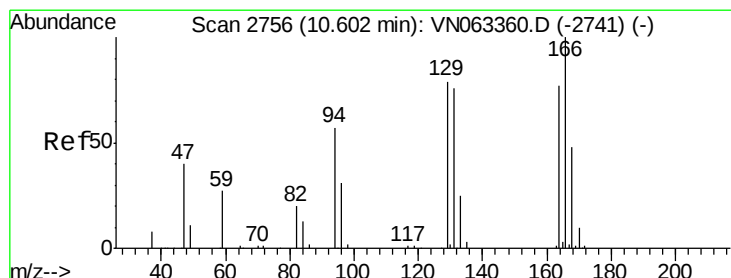
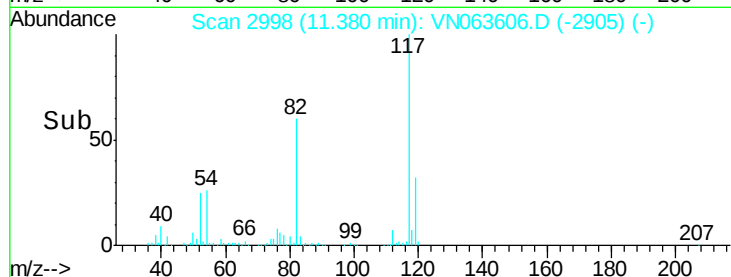
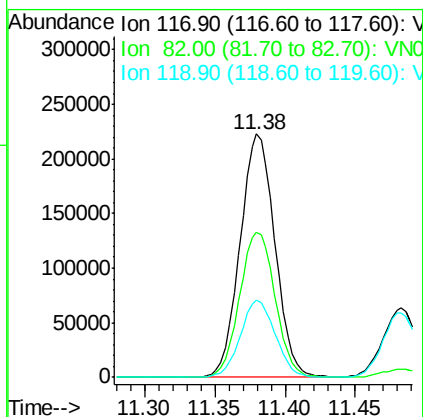
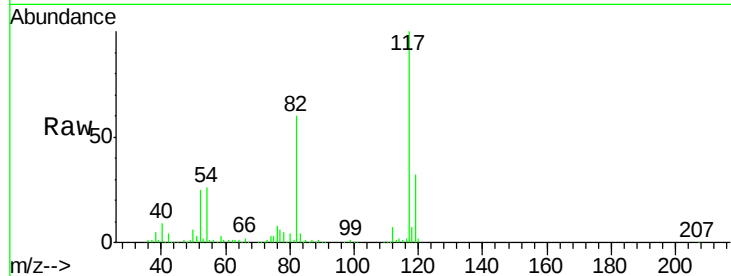
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 386776 |       |       |
| 82      | 59.6  |        | 49.2  | 73.8  |
| 119     | 31.8  |        | 26.2  | 39.4  |

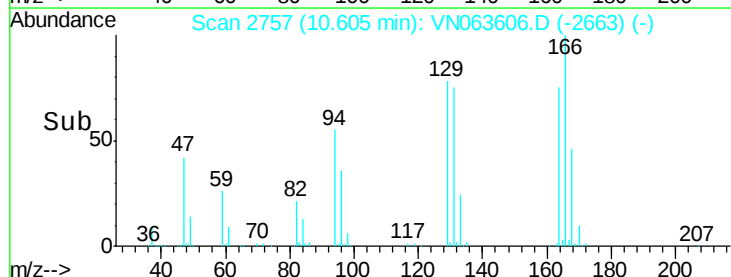
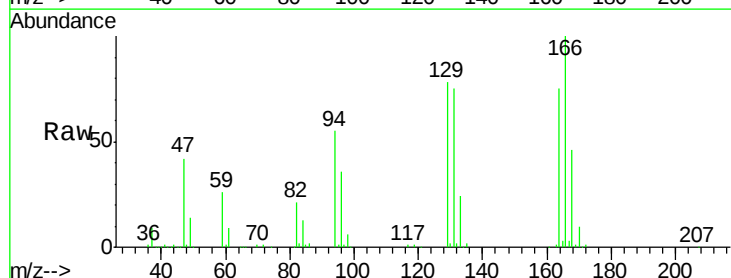
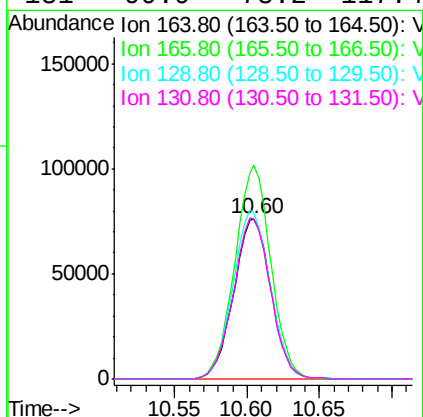
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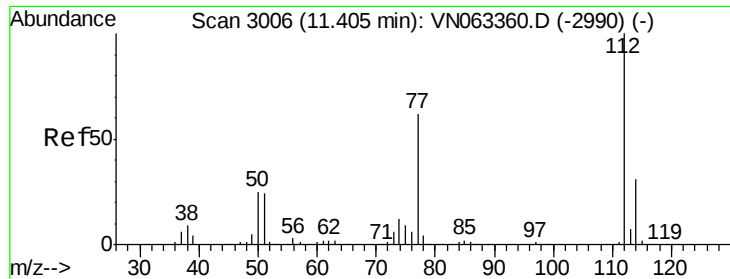
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 51.655 ug/l  
RT: 10.60 min Scan# 2757  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 136041 |       |       |
| 166     | 133.0 |        | 103.4 | 155.0 |
| 129     | 103.6 |        | 81.8  | 122.6 |
| 131     | 99.9  |        | 78.2  | 117.4 |





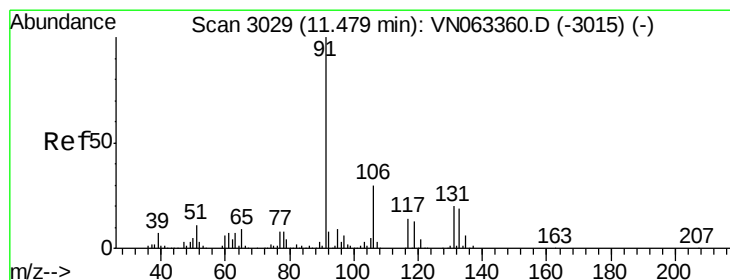
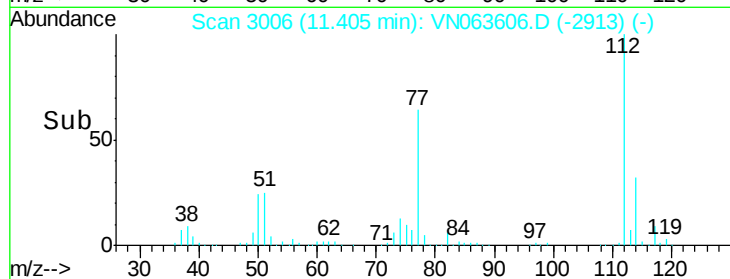
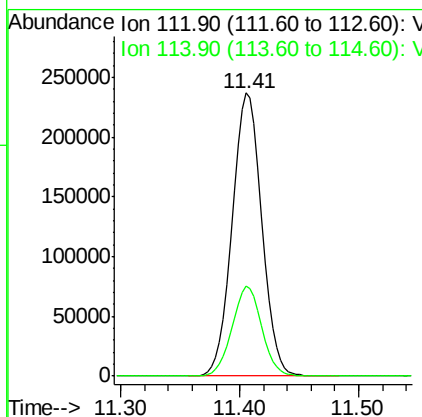
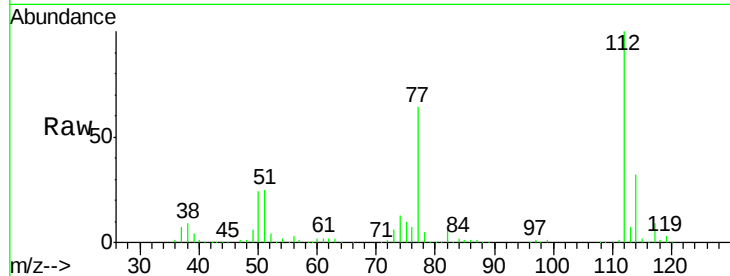
#65  
Chlorobenzene  
Concen: 49.730 ug/l  
RT: 11.41 min Scan# 3006  
Delta R.T. -0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 408290  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.0 37.6

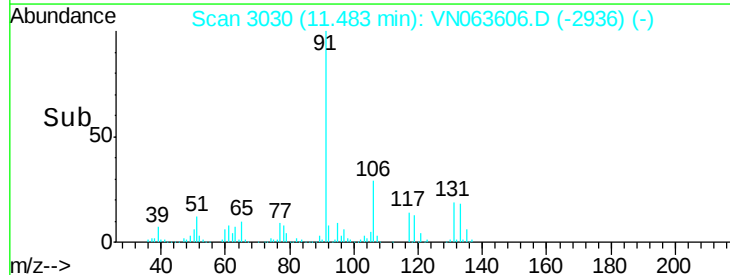
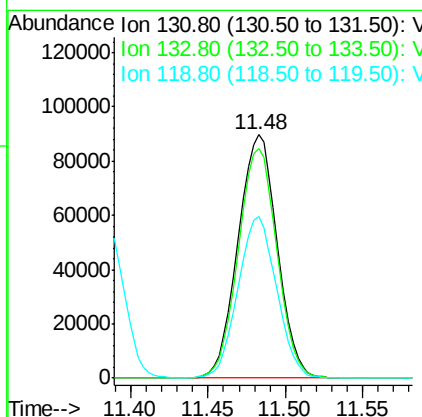
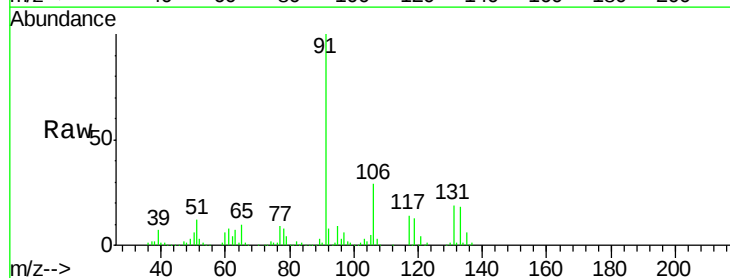
Manual Integrations  
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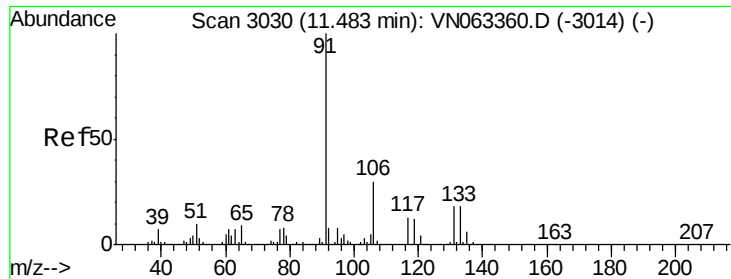
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.658 ug/l  
RT: 11.48 min Scan# 3030  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Tgt Ion:131 Resp: 158478  
Ion Ratio Lower Upper  
131 100  
133 93.1 47.3 141.9  
119 65.4 33.6 100.8





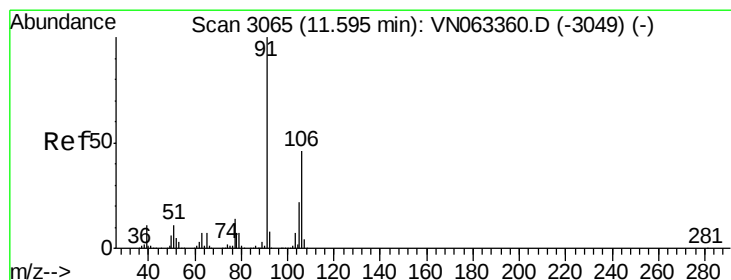
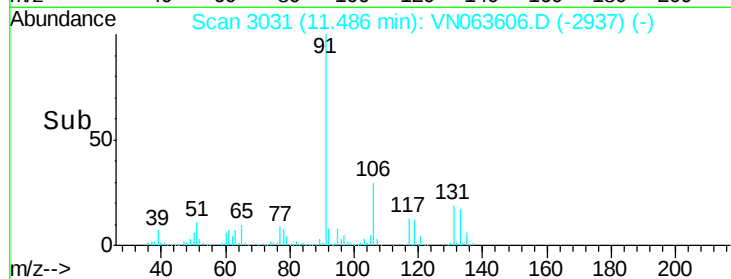
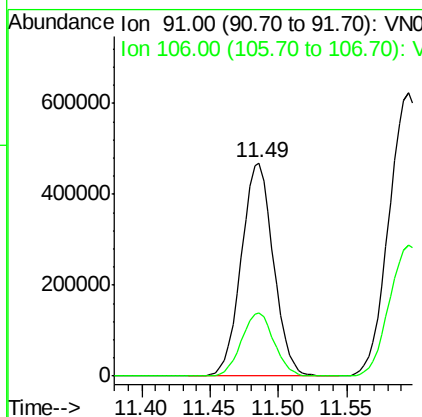
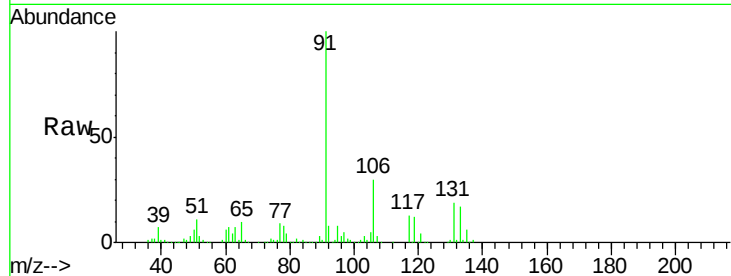
#67  
Ethyl Benzene  
Concen: 49.603 ug/l  
RT: 11.49 min Scan# 3031  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tot Ion: 91 Resp: 766934  
Ion Ratio Lower Upper  
91 100  
106 29.7 23.8 35.6

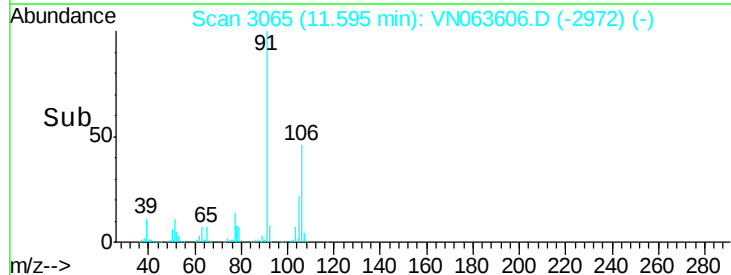
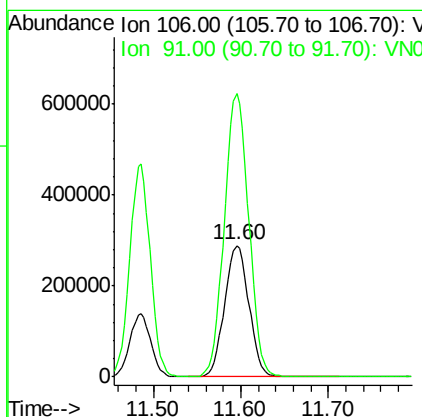
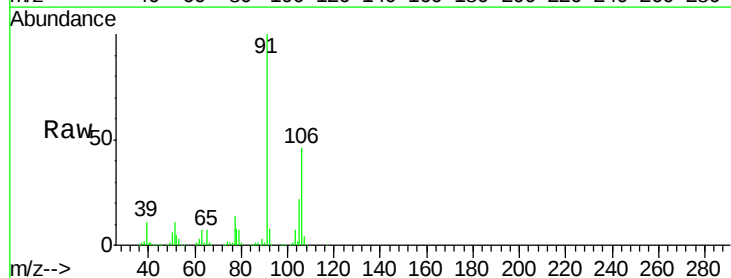
Manual Integrations  
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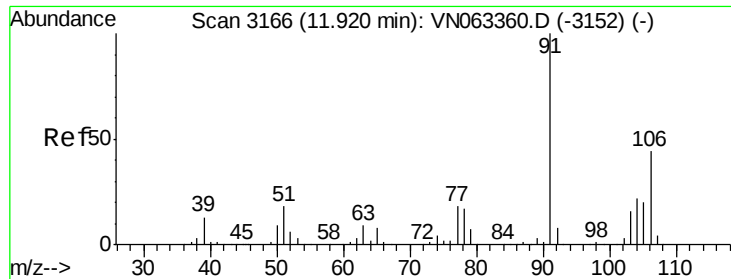
MMDadoda  
9/24/2020 1:38:18 PM



#68  
m/p-Xylenes  
Concen: 99.935 ug/l  
RT: 11.60 min Scan# 3065  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Tgt Ion: 106 Resp: 557098  
Ion Ratio Lower Upper  
106 100  
91 216.3 171.2 256.8





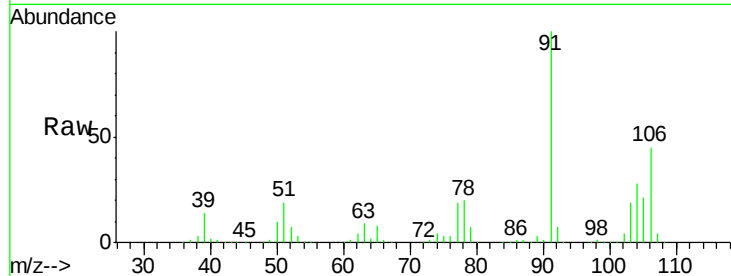
#69  
o-Xylene  
Concen: 51.405 ug/l  
RT: 11.92 min Scan# 3167  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

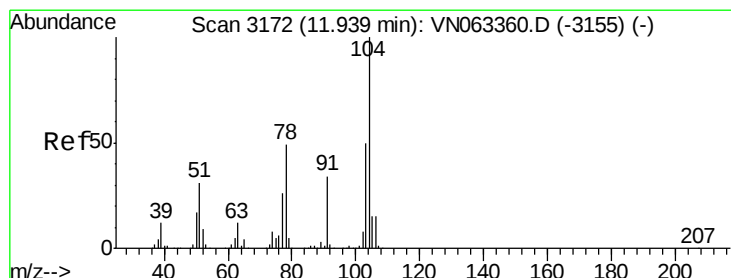
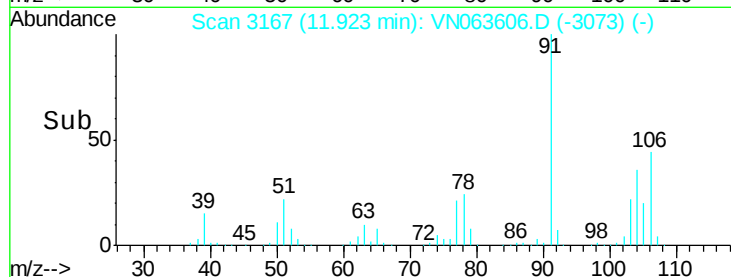
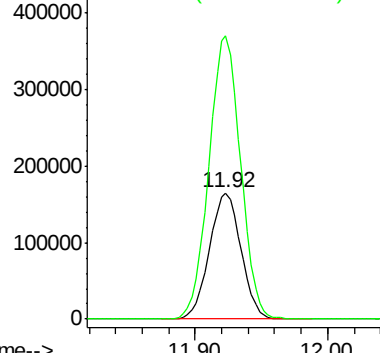
Tot Ion:106 Resp: 272978  
Ion Ratio Lower Upper  
106 100  
91 224.5 113.6 340.8

Manual Integrations  
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MMDadoda  
9/24/2020 1:38:18 PM

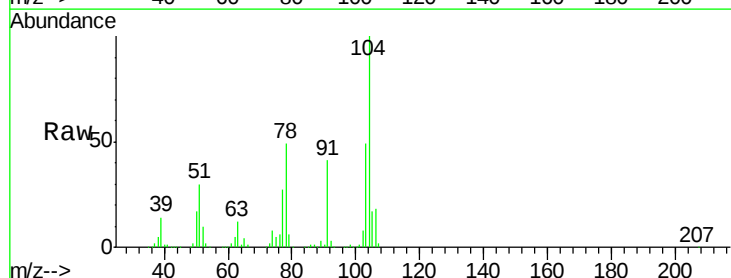


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

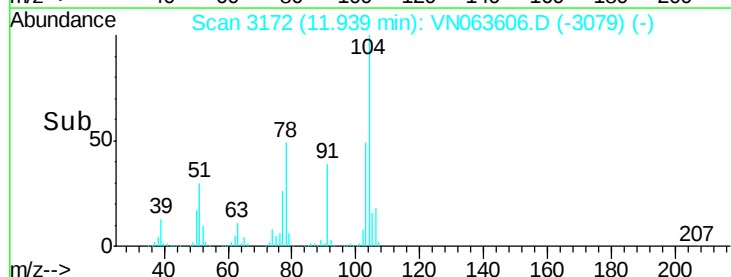
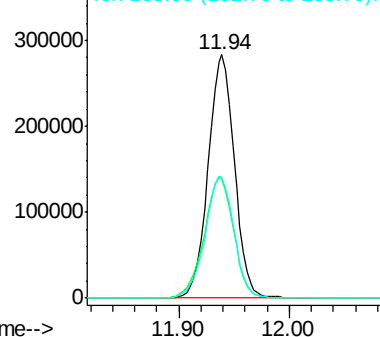


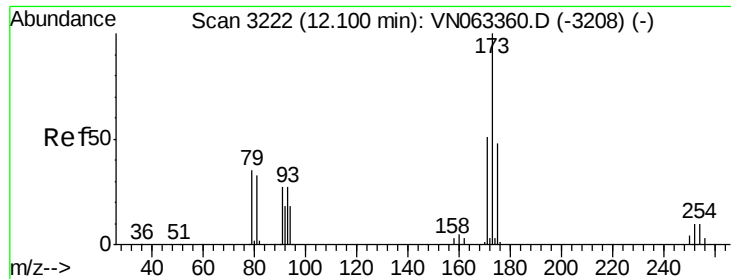
#70  
Styrene  
Concen: 52.490 ug/l  
RT: 11.94 min Scan# 3172  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Tgt Ion:104 Resp: 467443  
Ion Ratio Lower Upper  
104 100  
78 55.6 44.4 66.6  
103 55.1 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VN  
Ion 103.00 (102.70 to 103.70): V





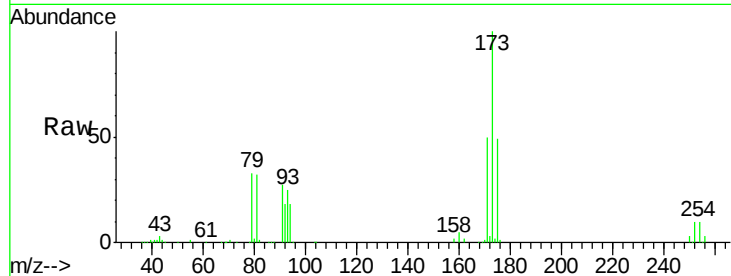
#71  
Bromoform  
Concen: 52.193 ug/l  
RT: 12.10 min Scan# 3223  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

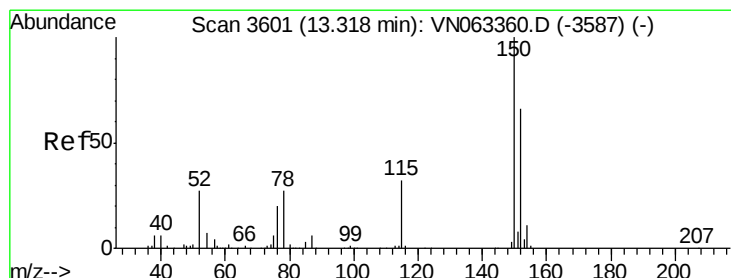
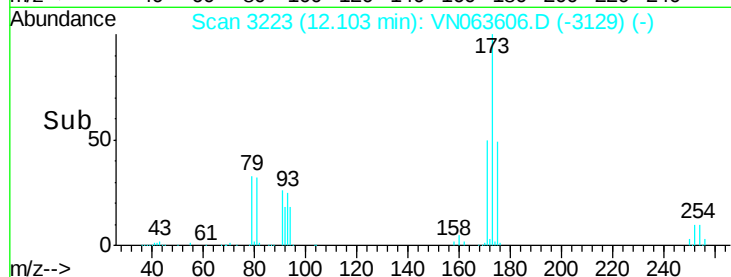
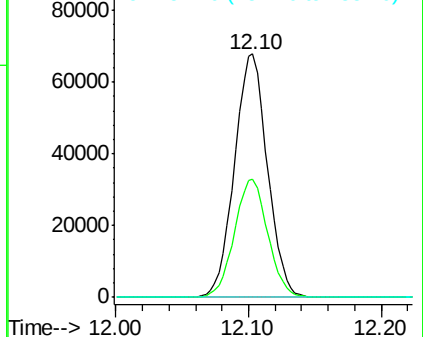
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.0  | 24.0  | 72.0  |
| 254     | 0.1   | 0.0   | 0.0   |

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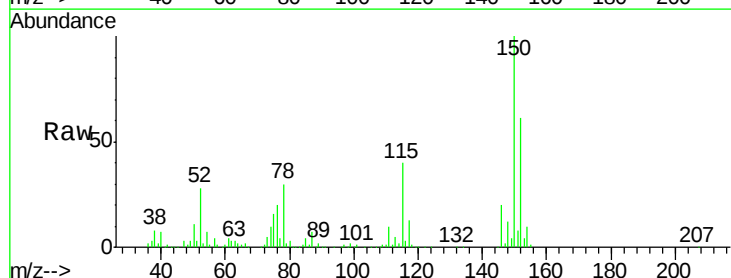


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

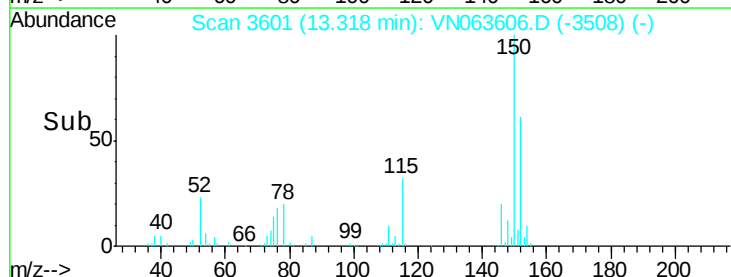
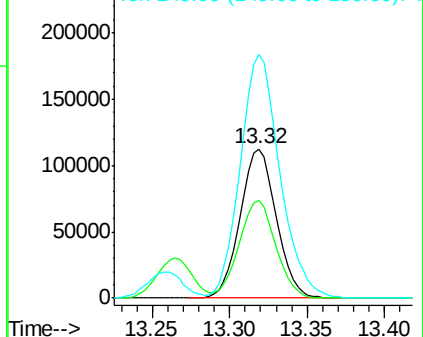


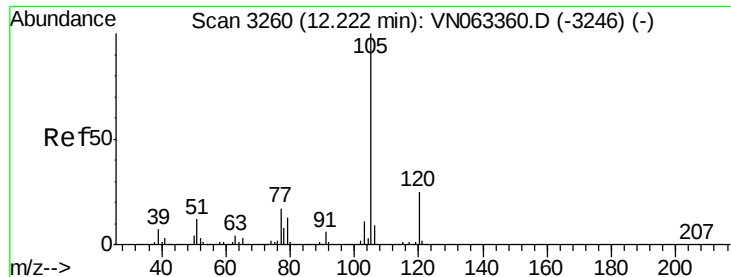
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 65.5  | 32.2  | 96.6  |
| 150     | 179.7 | 0.0   | 343.4 |



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: 50.537 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 739580

Ion Ratio Lower Upper

105 100

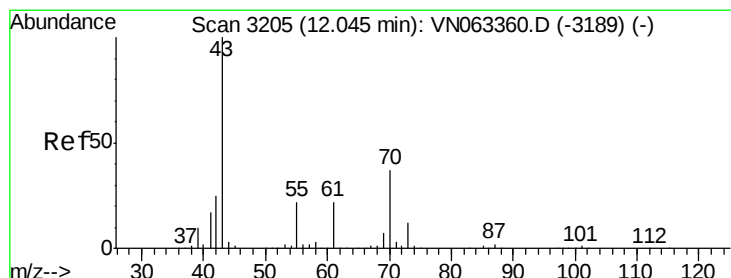
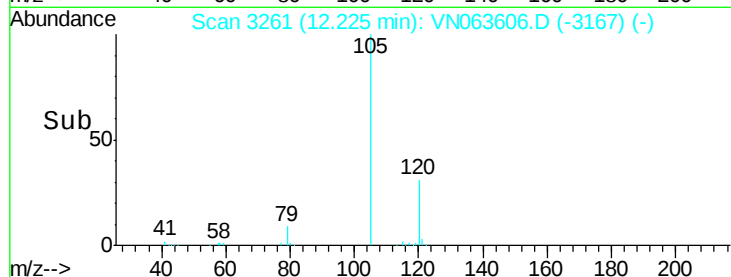
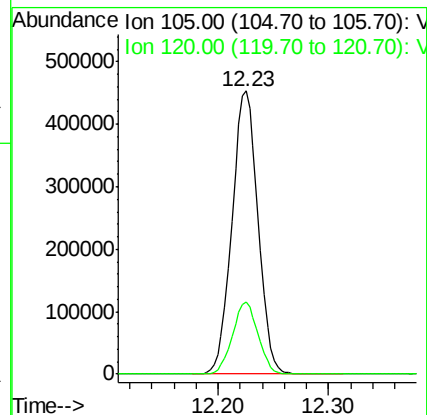
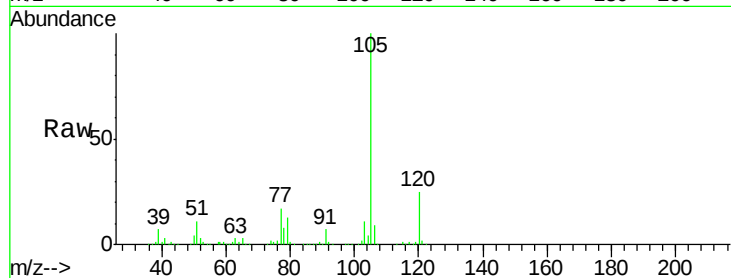
120 25.1 12.7 38.0

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#74

N-ethyl acetate

Concen: 49.616 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Tgt Ion: 43 Resp: 343715

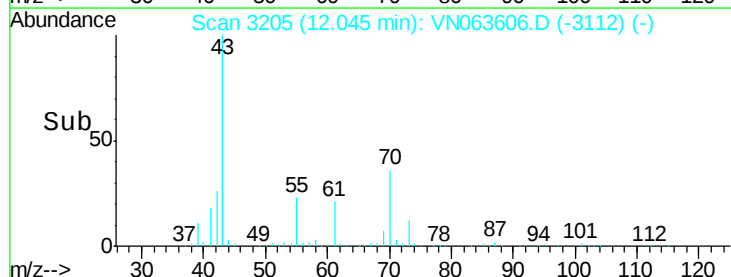
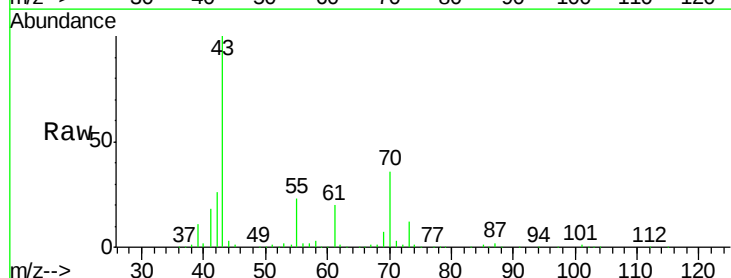
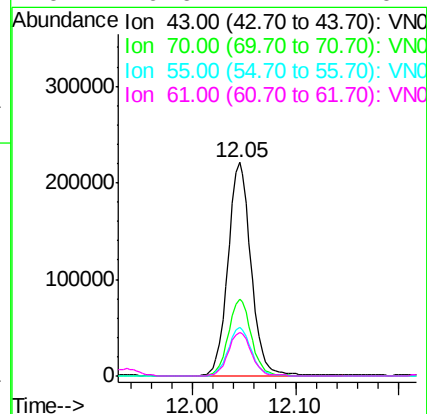
Ion Ratio Lower Upper

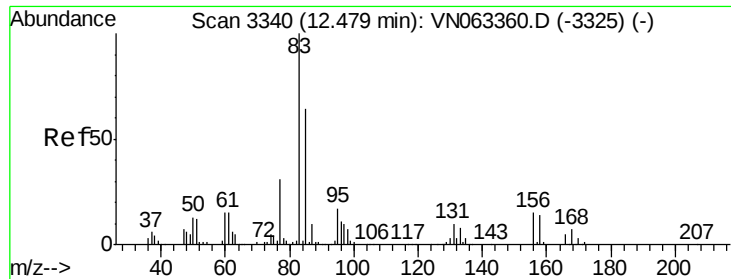
43 100

70 35.9 29.6 44.4

55 23.0 17.7 26.5

61 20.6 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.739 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Instrument :

MSVOA\_N

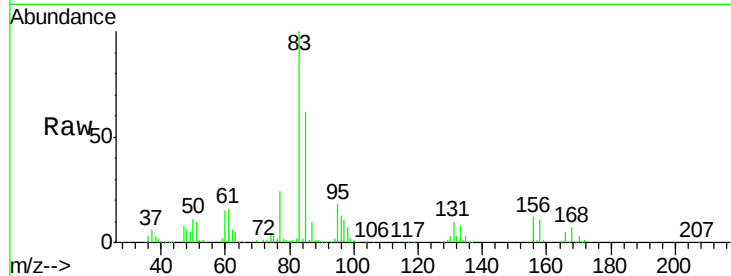
ClientSampleId :

VSTDCCC050EC

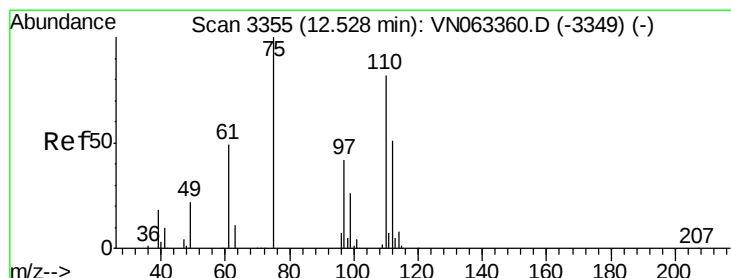
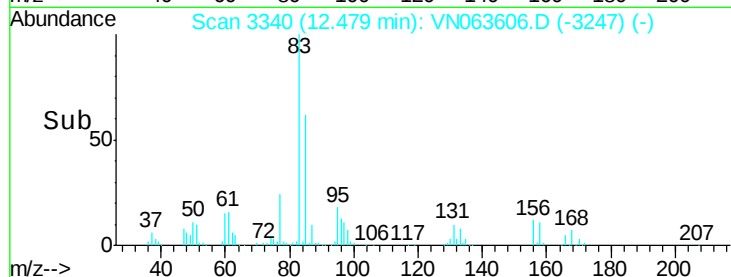
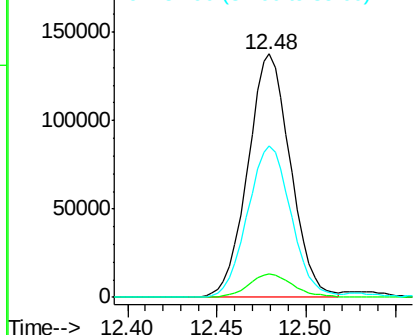
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 229911 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.0  | 4.9   | 14.7   |
| 85        | 63.6  | 32.0  | 96.0   |

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



#76

1,2,3-Trichloropropane

Concen: 48.350 ug/l m

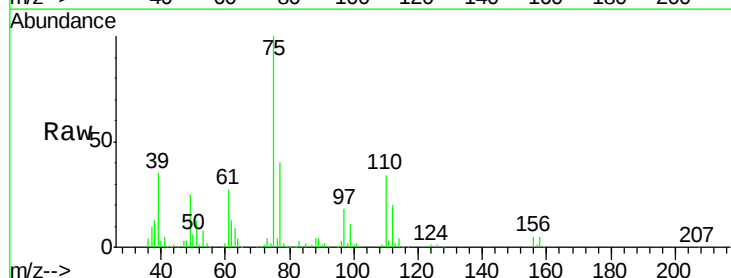
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

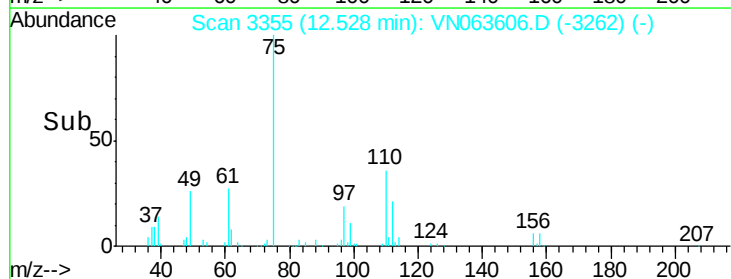
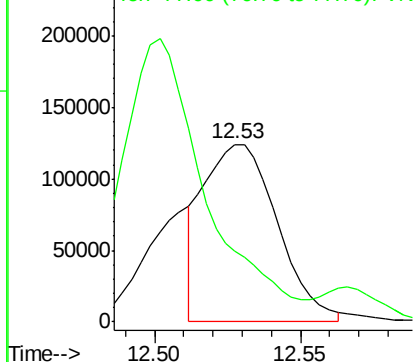
Lab File: VN063606.D

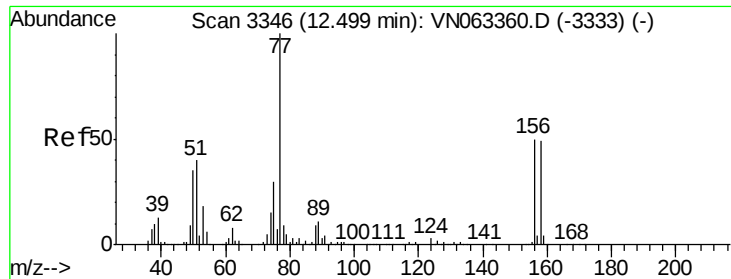
Acq: 23 Sep 2020 22:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 218548 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |



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





#77

Bromobenzene

Concen: 52.881 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 174078

Ion Ratio Lower Upper

156 100

77 229.8 120.2 360.6

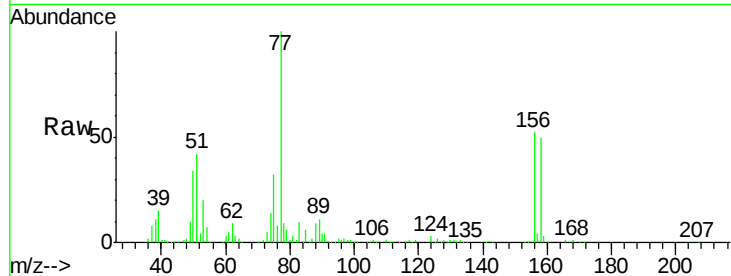
158 96.7 48.9 146.6

Manual Integrations

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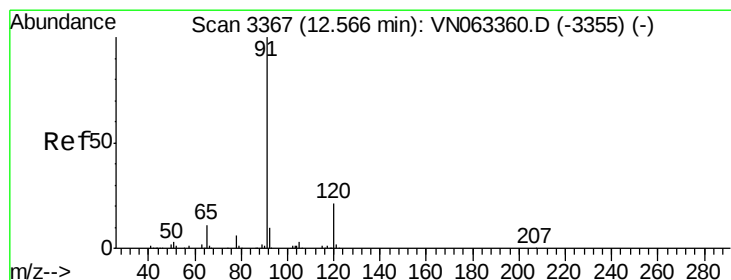
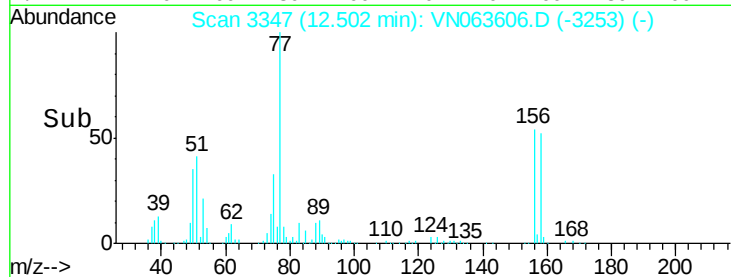
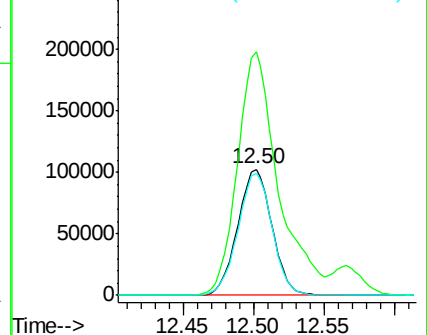
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.629 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063606.D

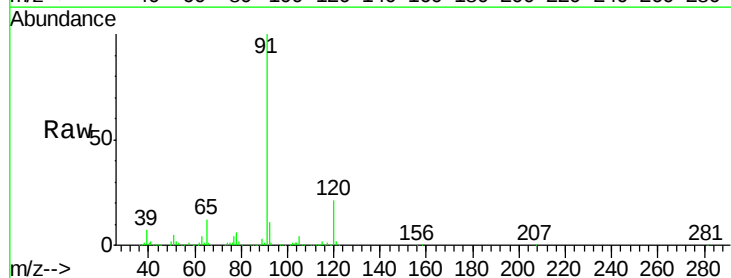
Acq: 23 Sep 2020 22:06

Tgt Ion: 91 Resp: 845916

Ion Ratio Lower Upper

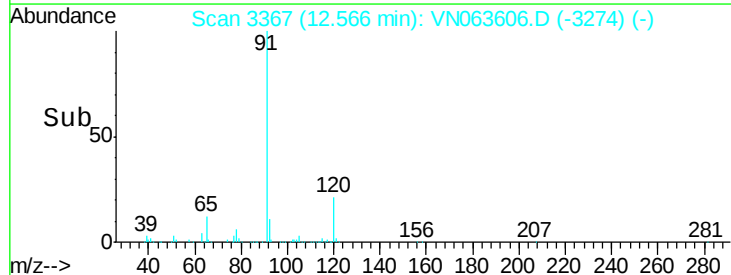
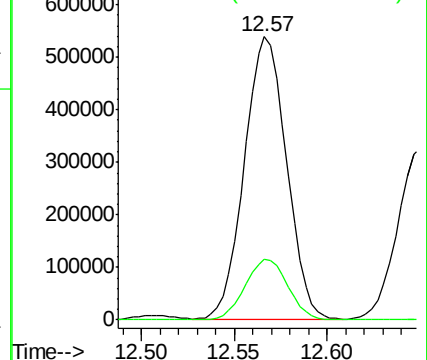
91 100

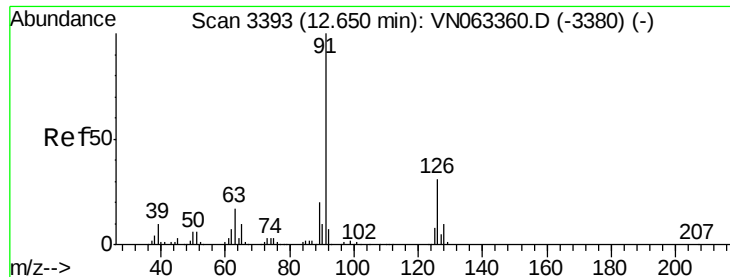
120 21.8 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.851 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 519574

Ion Ratio Lower Upper

91 100

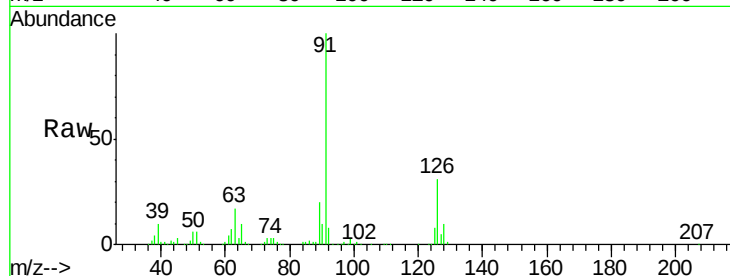
126 31.5 15.8 47.3

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Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063360.D (-3380) (-)

600000

500000

400000

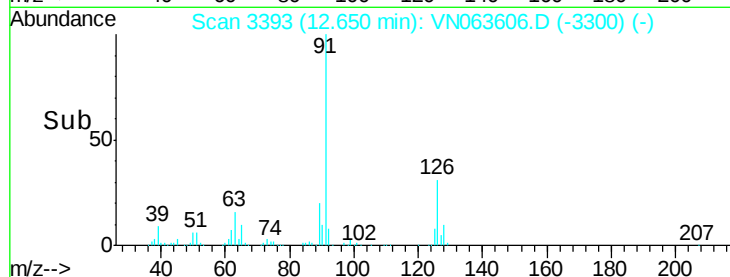
300000

200000

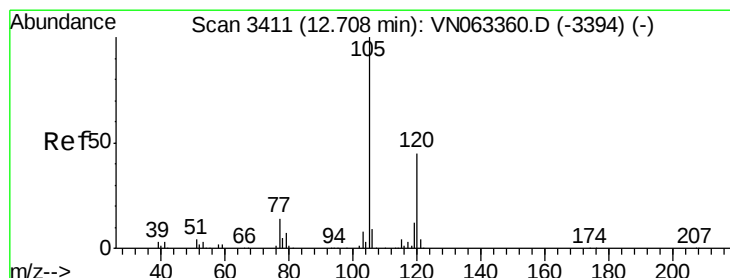
100000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.608 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063606.D

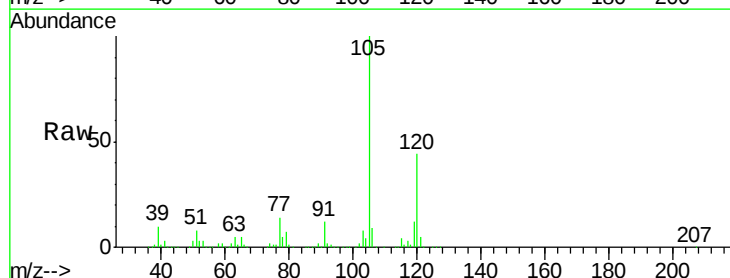
Acq: 23 Sep 2020 22:06

Tgt Ion: 105 Resp: 629781

Ion Ratio Lower Upper

105 100

120 45.3 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)

400000

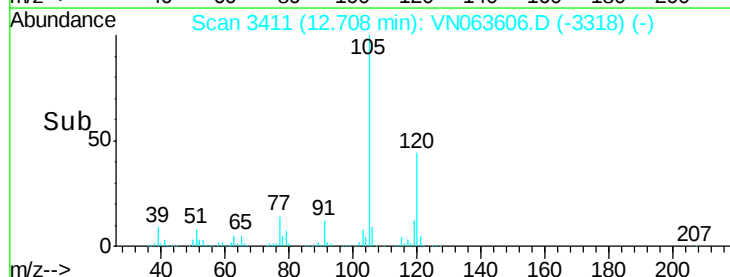
300000

200000

100000

0

12.60 12.70 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 44.126 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Instrument :

MSVOA\_N

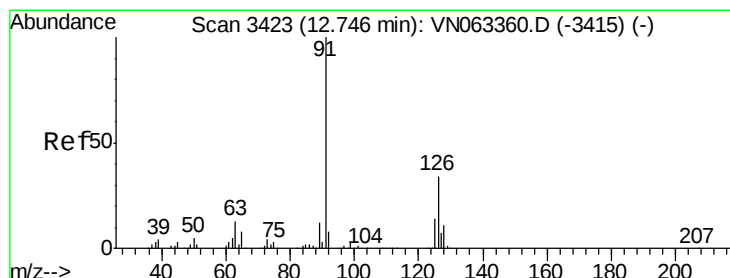
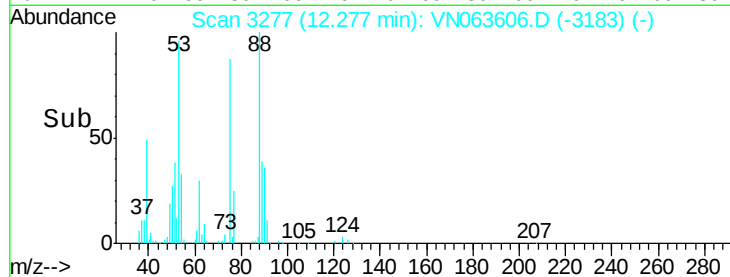
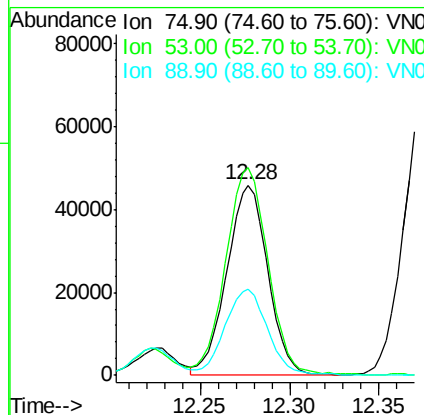
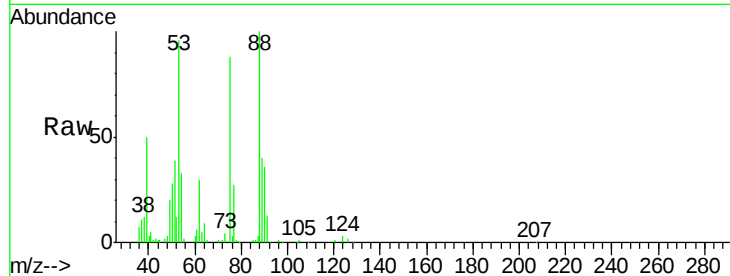
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 72751 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 114.2 | 85.7  | 128.5 |
| 89       | 47.5  | 38.0  | 57.0  |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 50.852 ug/l

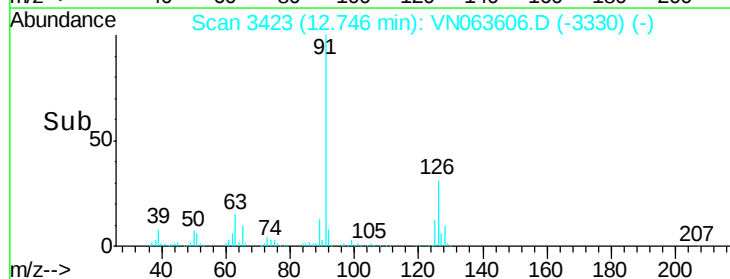
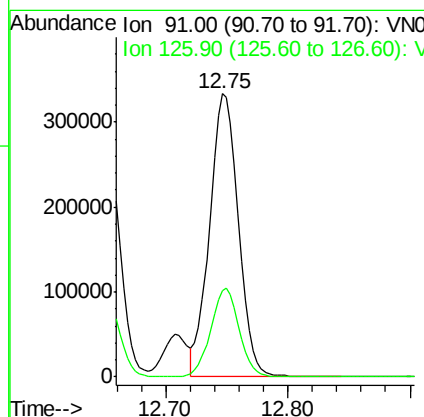
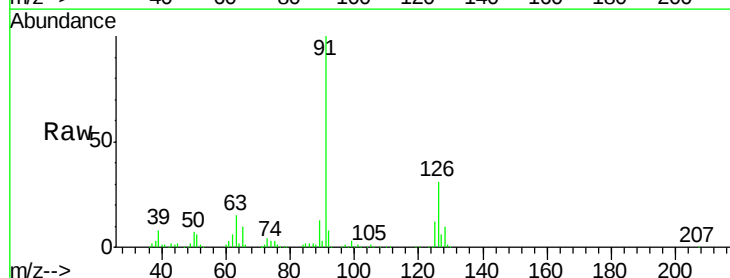
RT: 12.75 min Scan# 3423

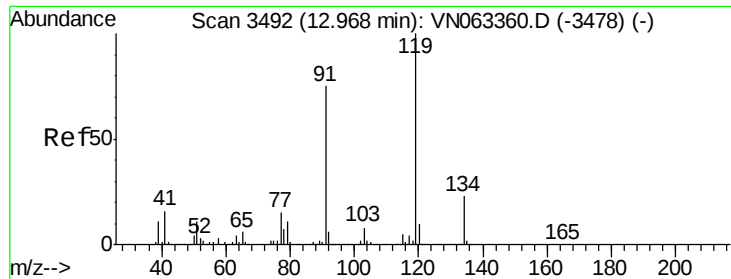
Delta R.T. -0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 548980 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 31.0  | 15.5  | 46.5   |





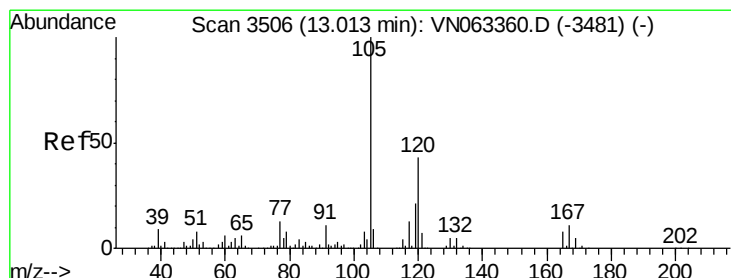
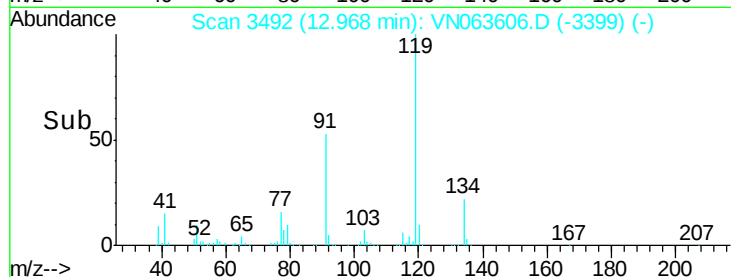
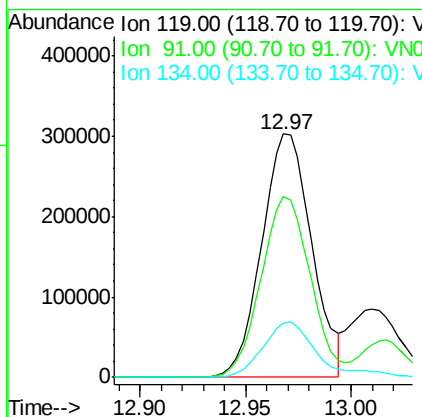
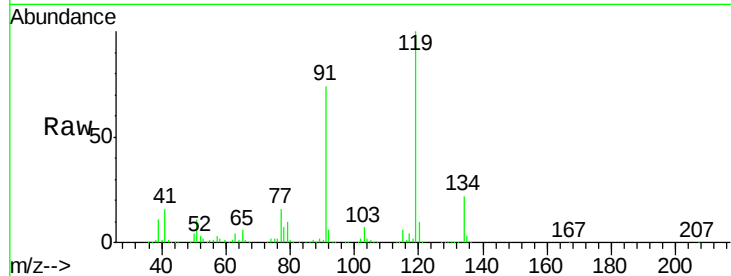
#83  
 tert-Butylbenzene  
 Concen: 49.600 ug/l  
 RT: 12.97 min Scan# 3492  
 Delta R.T. 0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 73.2  | 36.3  | 108.9 |
| 134     | 24.8  | 12.3  | 36.8  |

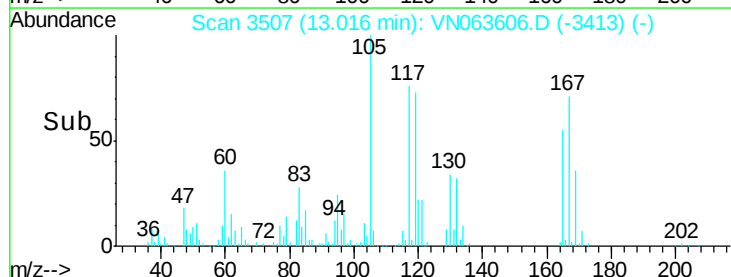
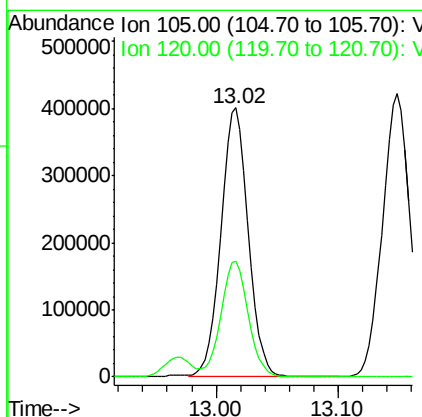
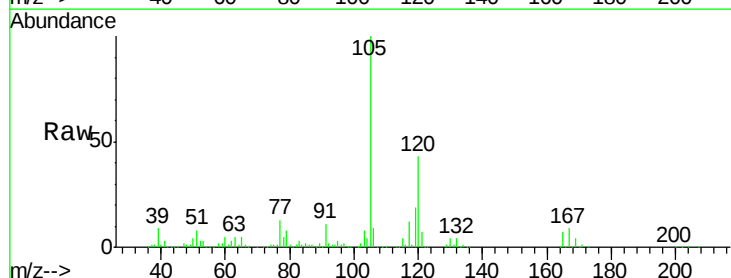
Manual Integrations  
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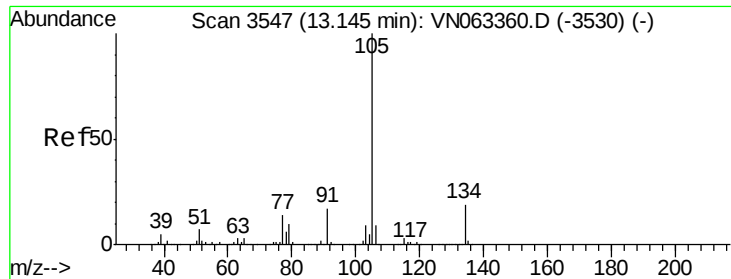
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 51.101 ug/l  
 RT: 13.02 min Scan# 3507  
 Delta R.T. 0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 42.8  | 21.3  | 63.9  |





#85

sec-Butylbenzene

Concen: 49.295 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 664578

Ion Ratio Lower Upper

105 100

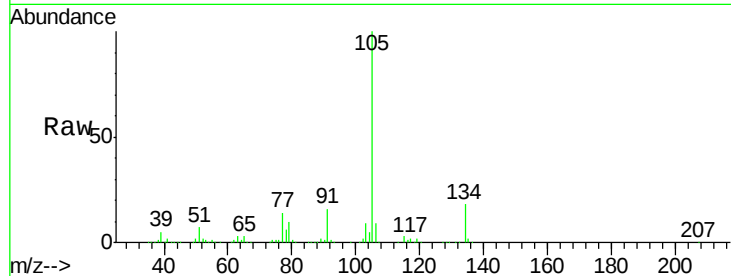
134 18.4 9.3 27.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

400000

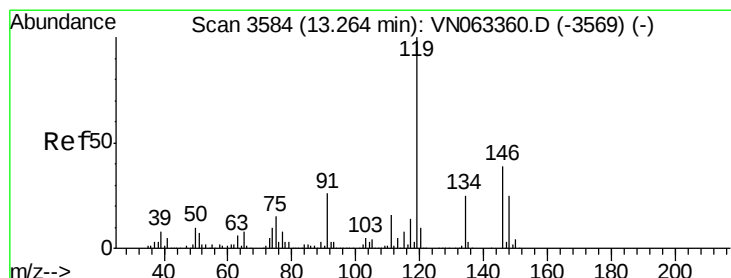
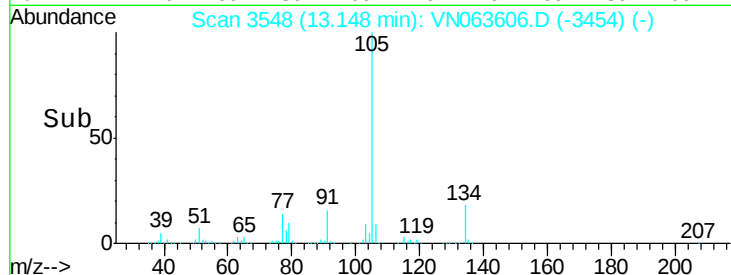
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.127 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063606.D

Acq: 23 Sep 2020 22:06

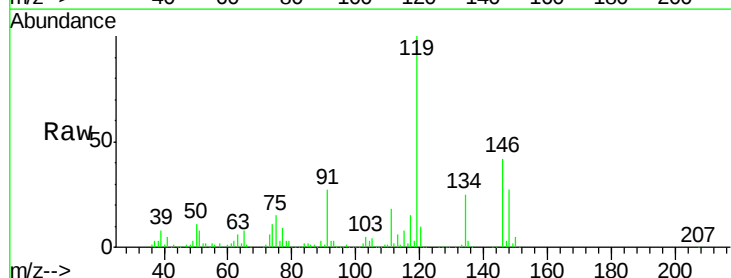
Tgt Ion:119 Resp: 596065

Ion Ratio Lower Upper

119 100

134 24.9 12.5 37.5

91 26.9 13.4 40.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

400000

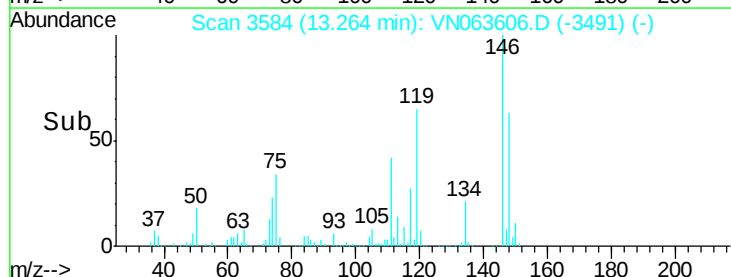
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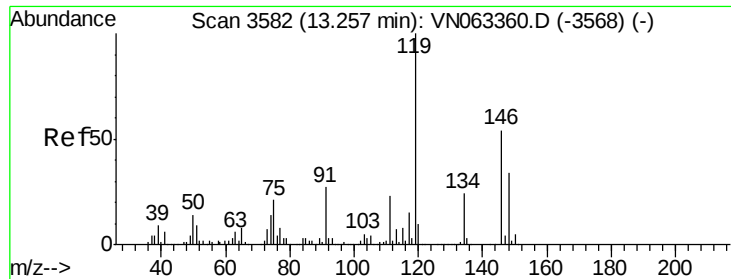
200000

100000

0

Time-->





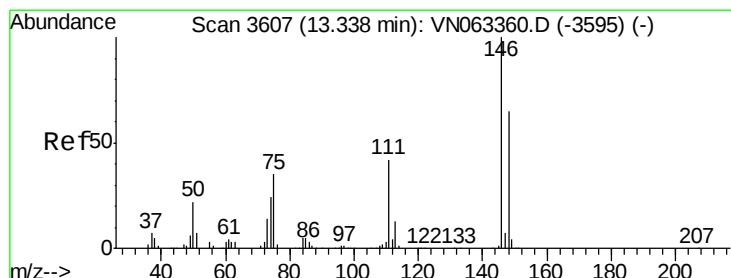
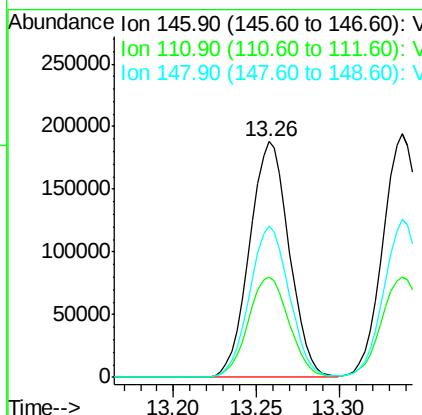
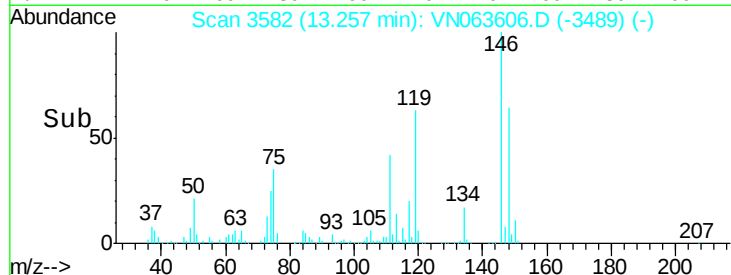
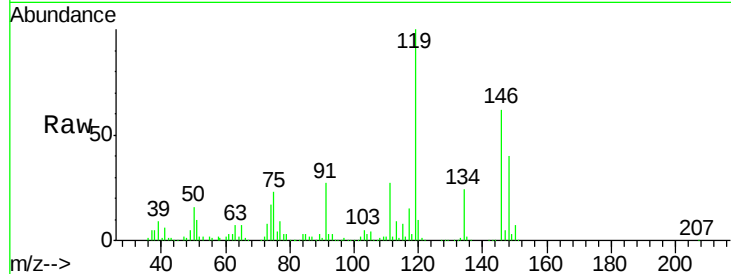
#87  
 1,3-Dichlorobenzene  
 Concen: 51.278 ug/l  
 RT: 13.26 min Scan# 3582  
 Delta R.T. -0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.6  | 21.4  | 64.3  |
| 148     | 64.0  | 31.9  | 95.7  |

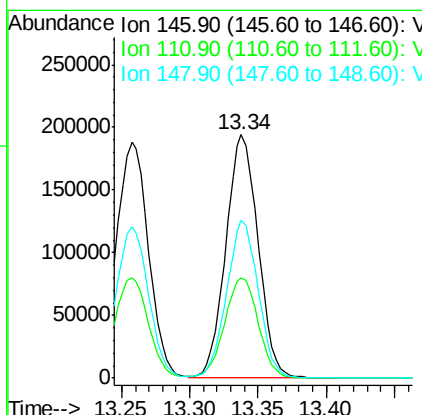
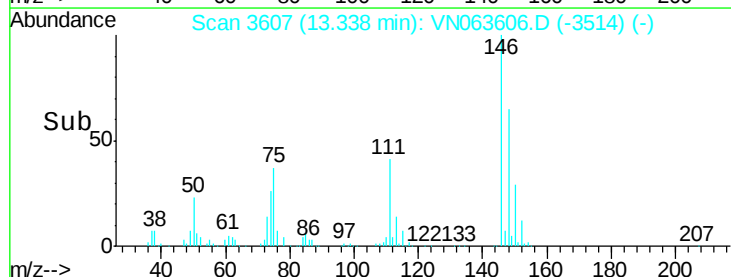
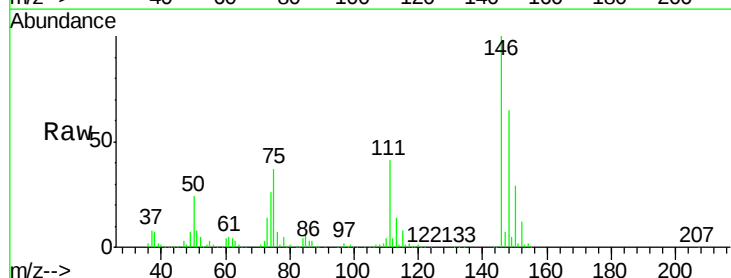
Manual Integrations  
 APPROVED

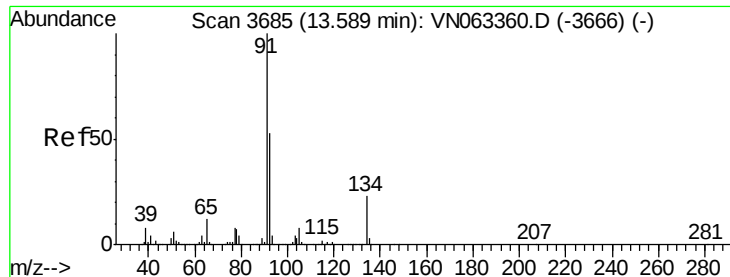
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 51.179 ug/l  
 RT: 13.34 min Scan# 3607  
 Delta R.T. -0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.9  | 21.2  | 63.6  |
| 148     | 63.9  | 31.9  | 95.9  |





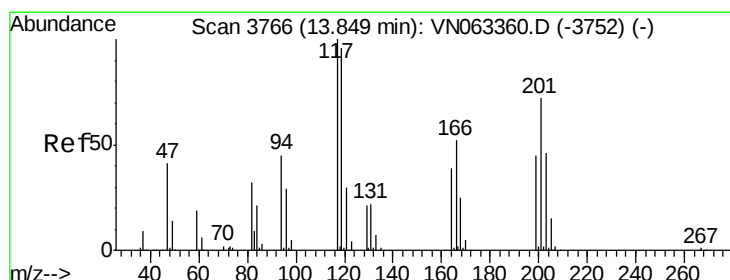
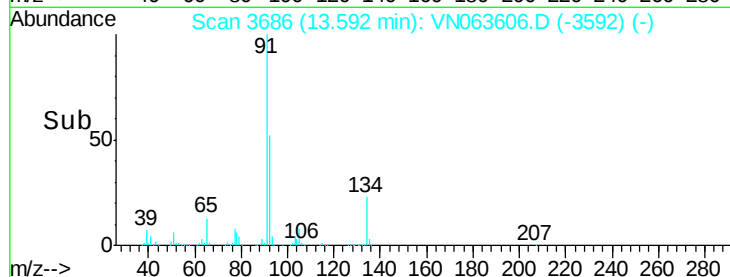
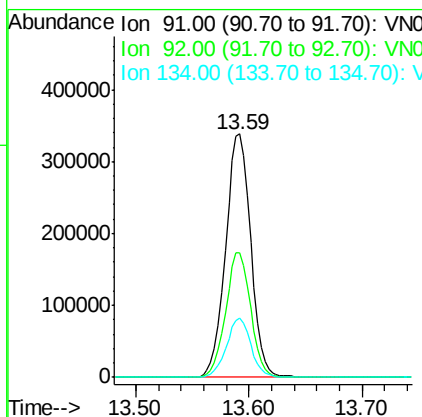
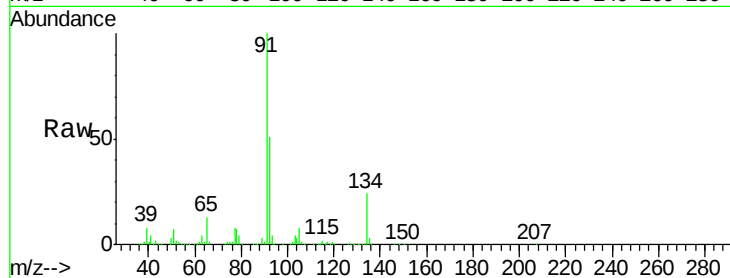
#89  
n-Butylbenzene  
Concen: 47.769 ug/l  
RT: 13.59 min Scan# 3686  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 50.8  | 26.0  | 78.0  |
| 134     | 23.6  | 11.7  | 35.0  |

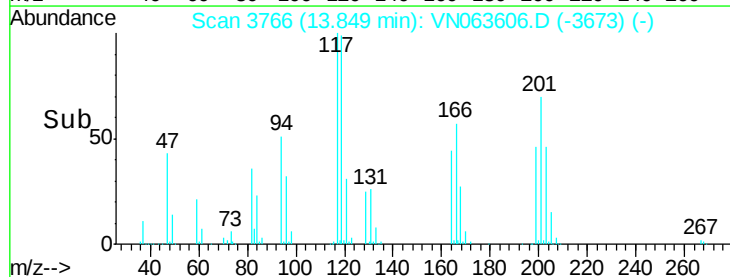
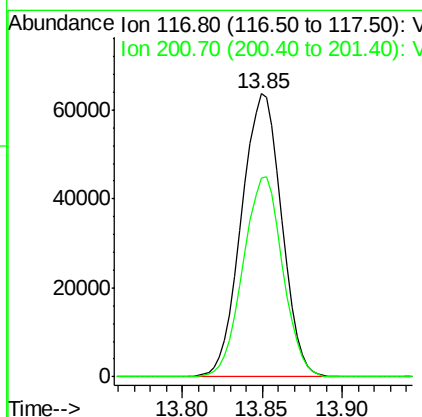
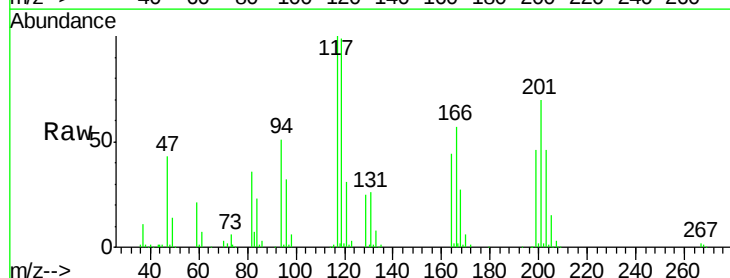
Manual Integrations  
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#90  
Hexachloroethane  
Concen: 48.162 ug/l  
RT: 13.85 min Scan# 3766  
Delta R.T. -0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 69.7  | 35.5  | 106.7 |





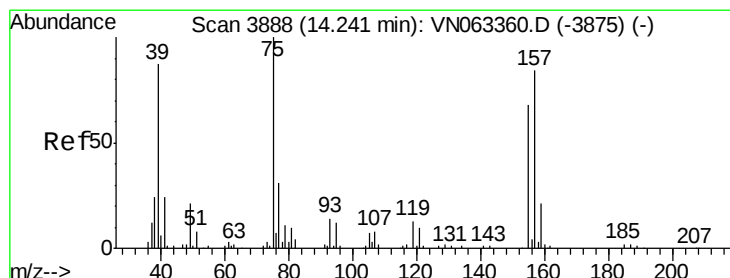
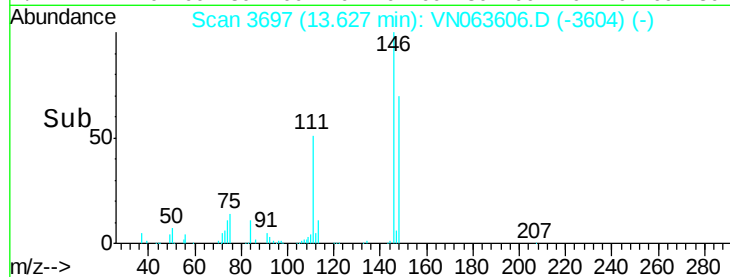
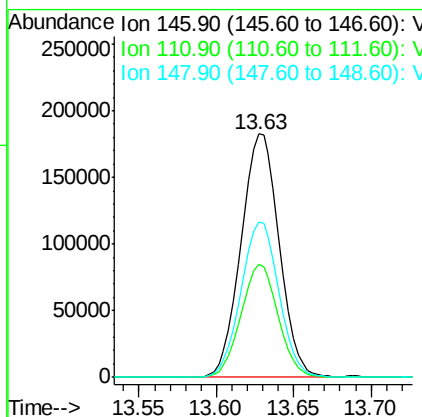
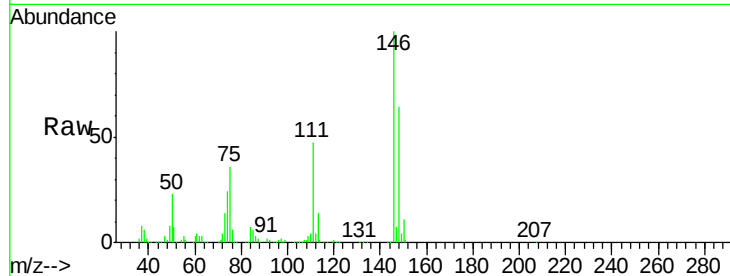
#91  
 1,2-Dichlorobenzene  
 Concen: 52.401 ug/l  
 RT: 13.63 min Scan# 3697  
 Delta R.T. 0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 313897 |       |       |
| 111     | 45.2  | 22.4   | 67.2  |       |
| 148     | 63.8  | 32.0   | 96.0  |       |

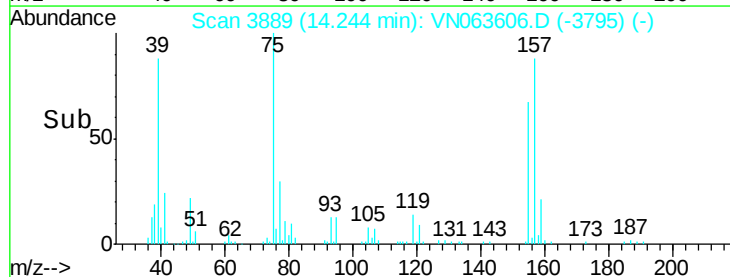
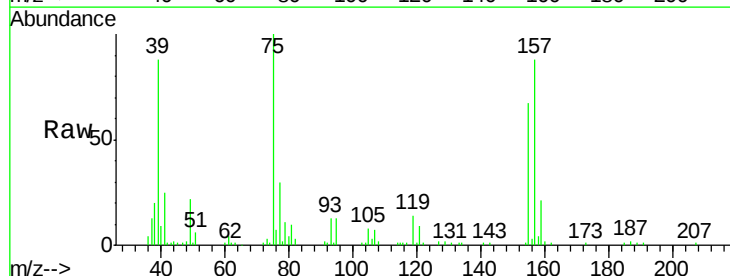
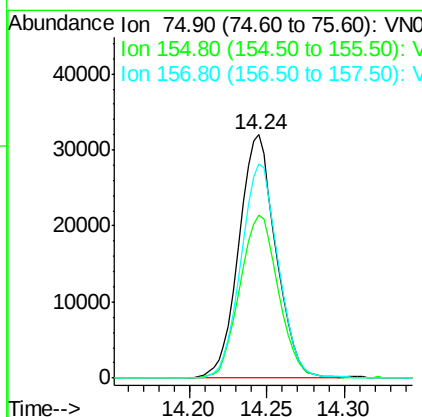
Manual Integrations  
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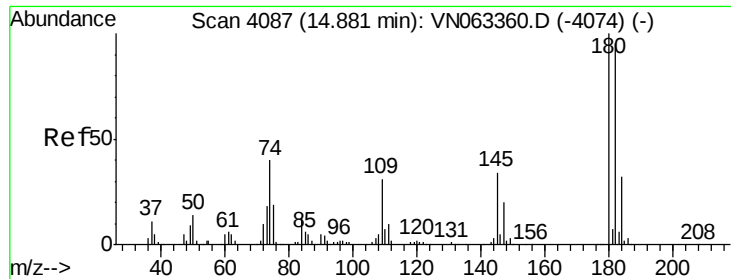
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 49.353 ug/l  
 RT: 14.24 min Scan# 3889  
 Delta R.T. 0.00 min  
 Lab File: VN063606.D  
 Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 53252 |       |       |
| 155     | 69.8  | 34.6  | 103.9 |       |
| 157     | 88.3  | 43.7  | 131.1 |       |





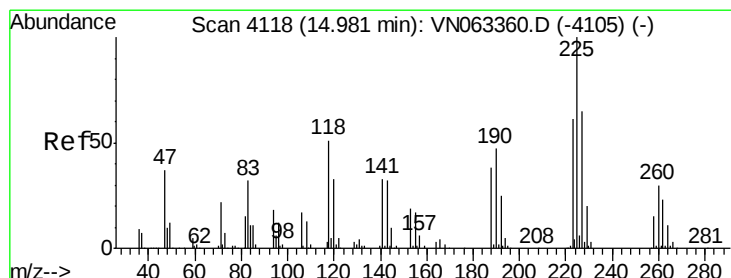
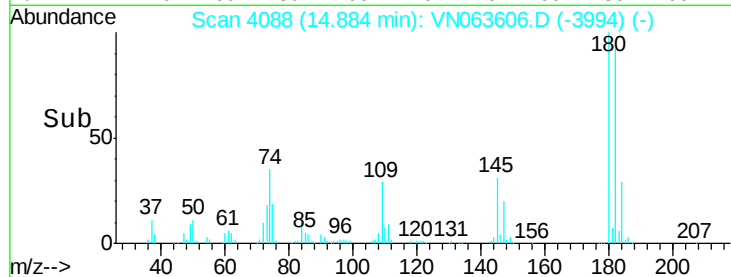
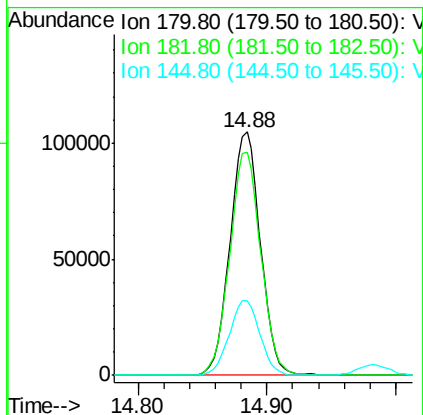
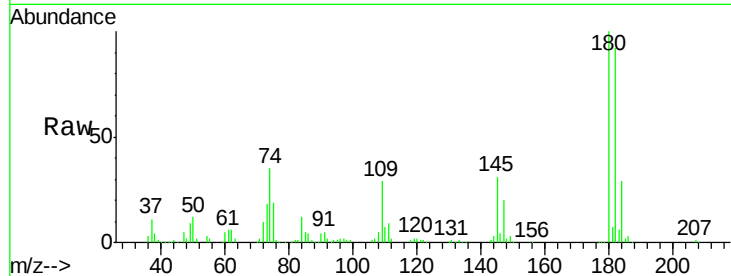
#93  
1,2,4-Trichlorobenzene  
Concen: 48.576 ug/l  
RT: 14.88 min Scan# 4088  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.7  | 47.3  | 142.0 |
| 145     | 31.2  | 16.6  | 49.7  |

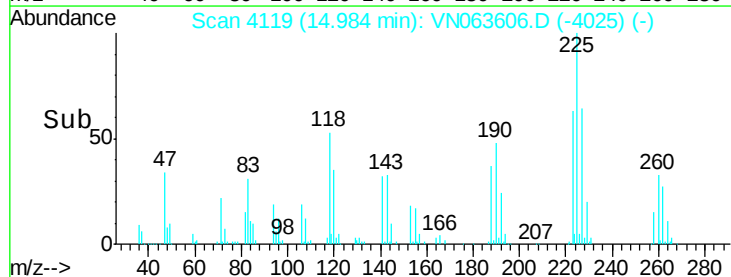
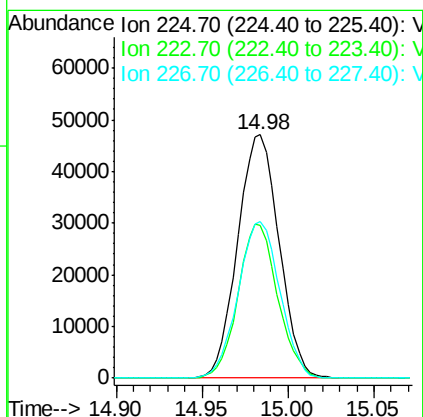
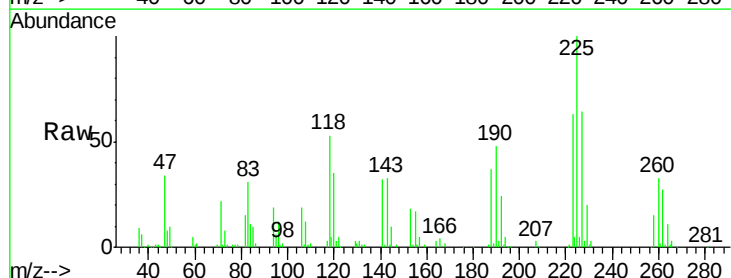
Manual Integrations  
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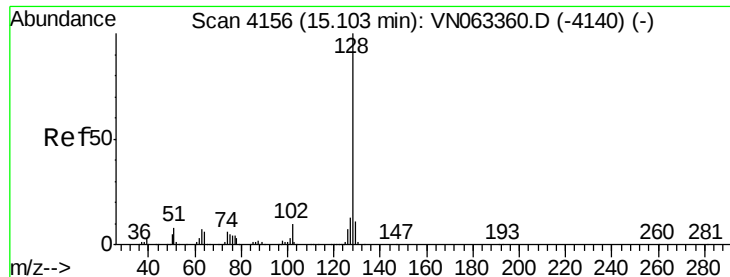
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#94  
Hexachlorobutadiene  
Concen: 53.880 ug/l  
RT: 14.98 min Scan# 4119  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 60.5  | 30.6  | 91.6  |
| 227     | 64.6  | 31.2  | 93.6  |





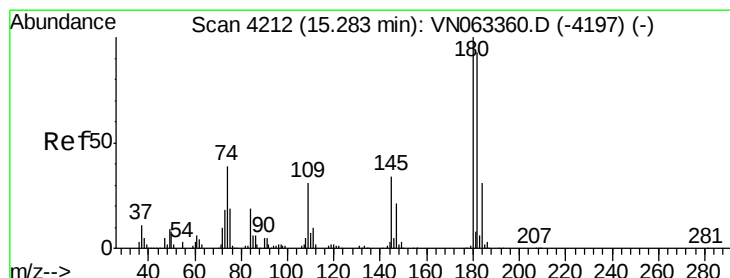
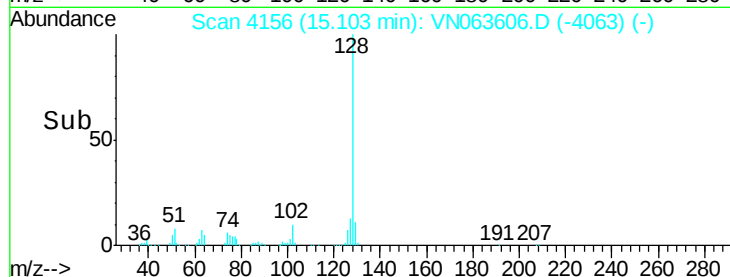
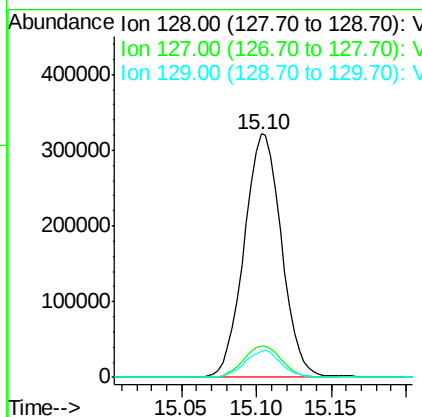
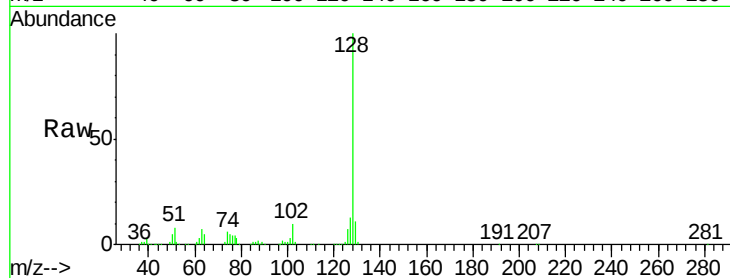
#95  
Naphthalene  
Concen: 47.838 ug/l  
RT: 15.10 min Scan# 4156  
Delta R.T. -0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.6  | 15.8  |
| 129     | 10.7  | 8.8   | 13.2  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 47.280 ug/l  
RT: 15.28 min Scan# 4212  
Delta R.T. 0.00 min  
Lab File: VN063606.D  
Acq: 23 Sep 2020 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.7  | 46.7  | 140.1 |
| 145     | 36.1  | 16.8  | 50.3  |

