

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012820\  
 Data File : VN059887.D  
 Acq On : 28 Jan 2020 10:26  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 1/29/2020 11:04:06 AM

Quant Time: Jan 28 12:42:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 18 03:09:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 208008   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 315324   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 284295   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 141466   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 101795   | 44.07 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 88.14% |      |
| 35) Dibromofluoromethane  | 7.56   | 113 | 87332    | 46.44 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.88% |      |
| 50) Toluene-d8            | 10.08  | 98  | 330537   | 45.37 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.74% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 121689   | 46.33 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.66% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 104812  | 42.662  | ug/l   | 96     |
| 3) Chloromethane              | 2.04 | 50  | 97740   | 41.043  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.17 | 62  | 126428  | 46.400  | ug/l   | 97     |
| 5) Bromomethane               | 2.53 | 94  | 78674   | 47.313  | ug/l   | 98     |
| 6) Chloroethane               | 2.68 | 64  | 59255   | 45.966  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 153607  | 46.942  | ug/l   | 98     |
| 8) Diethyl Ether              | 3.38 | 74  | 54737   | 47.664  | ug/l   | 84     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 90116   | 49.481  | ug/l   | 92     |
| 10) Methyl Iodide             | 3.93 | 142 | 137636  | 46.754  | ug/l   | 95     |
| 11) Tert butyl alcohol        | 4.72 | 59  | 89091   | 229.100 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 85791   | 45.081  | ug/l   | 87     |
| 13) Acrolein                  | 3.57 | 56  | 56716   | 206.034 | ug/l   | 97     |
| 14) Allyl chloride            | 4.29 | 41  | 117365  | 45.755  | ug/l # | 85     |
| 15) Acrylonitrile             | 4.94 | 53  | 212382  | 239.425 | ug/l   | 99     |
| 16) Acetone                   | 3.78 | 43  | 242673  | 310.432 | ug/l   | 93     |
| 17) Carbon Disulfide          | 4.03 | 76  | 217742  | 40.165  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.28 | 43  | 129266  | 47.908  | ug/l # | 90     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 298358  | 48.085  | ug/l   | 95     |
| 20) Methylene Chloride        | 4.52 | 84  | 96750   | 46.195  | ug/l   | 89     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 93054   | 46.000  | ug/l   | 88     |
| 22) Diisopropyl ether         | 5.91 | 45  | 272566  | 46.889  | ug/l # | 95     |
| 23) Vinyl Acetate             | 5.86 | 43  | 1063028 | 236.194 | ug/l # | 94     |
| 24) 1,1-Dichloroethane        | 5.81 | 63  | 168109  | 47.330  | ug/l   | 97     |
| 25) 2-Butanone                | 6.80 | 43  | 304476  | 232.757 | ug/l # | 89     |
| 26) 2,2-Dichloropropane       | 6.79 | 77  | 161660  | 47.343  | ug/l   | 95     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 111902  | 48.094  | ug/l   | 88     |
| 28) Bromochloromethane        | 7.17 | 49  | 66651   | 46.950  | ug/l # | 73     |
| 29) Tetrahydrofuran           | 7.17 | 42  | 179537  | 221.825 | ug/l # | 86     |
| 30) Chloroform                | 7.35 | 83  | 178708  | 48.560  | ug/l   | 98     |
| 31) Cyclohexane               | 7.63 | 56  | 140877  | 41.219  | ug/l   | 89     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97  | 163332  | 48.001  | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 126593  | 46.102  | ug/l   | 95     |
| 37) Ethyl Acetate             | 6.89 | 43  | 116146  | 45.097  | ug/l   | 96     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 144816  | 48.482  | ug/l   | 99     |

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

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 1/29/2020 11:04:06 AM

Quant Time: Jan 28 12:42:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 18 03:09:32 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 155097   | 45.808   | ug/l   | 91       |
| 40) Benzene                    | 8.02  | 78   | 384891   | 46.999   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.15  | 41   | 53403m   | 42.097   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 134971   | 48.609   | ug/l   | 96       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 205016   | 46.280   | ug/l # | 94       |
| 44) Trichloroethene            | 8.81  | 130  | 113316   | 50.686   | ug/l   | 92       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 98999    | 48.853   | ug/l   | 100      |
| 46) Dibromomethane             | 9.19  | 93   | 70201    | 49.109   | ug/l   | 91       |
| 47) Bromodichloromethane       | 9.38  | 83   | 144209   | 50.061   | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.18  | 41   | 89309    | 45.072   | ug/l   | 89       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 37073    | 1022.029 | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 593005   | 231.571  | ug/l   | 94       |
| 52) Toluene                    | 10.14 | 92   | 250615   | 48.448   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 161154   | 50.102   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 169731   | 50.152   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 101724   | 49.652   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 148543   | 47.450   | ug/l   | 92       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 163429   | 50.245   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 225152   | 238.784  | ug/l # | 90       |
| 59) 2-Hexanone                 | 10.74 | 43   | 453710   | 240.497  | ug/l   | 93       |
| 60) Dibromochloromethane       | 10.89 | 129  | 118900   | 50.964   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 107591   | 50.105   | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.62 | 164  | 114715   | 49.510   | ug/l   | 96       |
| 65) Chlorobenzene              | 11.43 | 112  | 279527   | 50.023   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 110205   | 51.041   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.50 | 91   | 497988   | 49.093   | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.62 | 106  | 377564   | 98.536   | ug/l   | 94       |
| 69) o-Xylene                   | 11.94 | 106  | 182830   | 48.738   | ug/l   | 96       |
| 70) Styrene                    | 11.96 | 104  | 305416   | 48.654   | ug/l   | 96       |
| 71) Bromoform                  | 12.12 | 173  | 91437    | 52.868   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.24 | 105  | 494986   | 47.709   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.06 | 43   | 179251   | 44.525   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 141278   | 46.972   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 130504m  | 54.817   | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 128024   | 48.727   | ug/l   | 81       |
| 78) n-propylbenzene            | 12.59 | 91   | 559133   | 48.015   | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 330647   | 47.729   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 419975   | 48.132   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 53883    | 48.604   | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 339260   | 48.825   | ug/l   | 96       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 359177   | 47.596   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 422157   | 48.905   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 477292   | 48.139   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 442883   | 48.275   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 226198   | 49.563   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 226722   | 49.797   | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.61 | 91   | 383512   | 49.029   | ug/l   | 98       |
| 90) Hexachloroethane           | 13.87 | 117  | 83045    | 48.381   | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 221459   | 49.084   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 30107    | 46.490   | ug/l   | 83       |

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

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Sat Jan 18 03:09:32 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 136635   | 50.398 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 74192    | 49.660 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 363568   | 47.147 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 130774   | 49.556 | ug/l  | 99       |

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

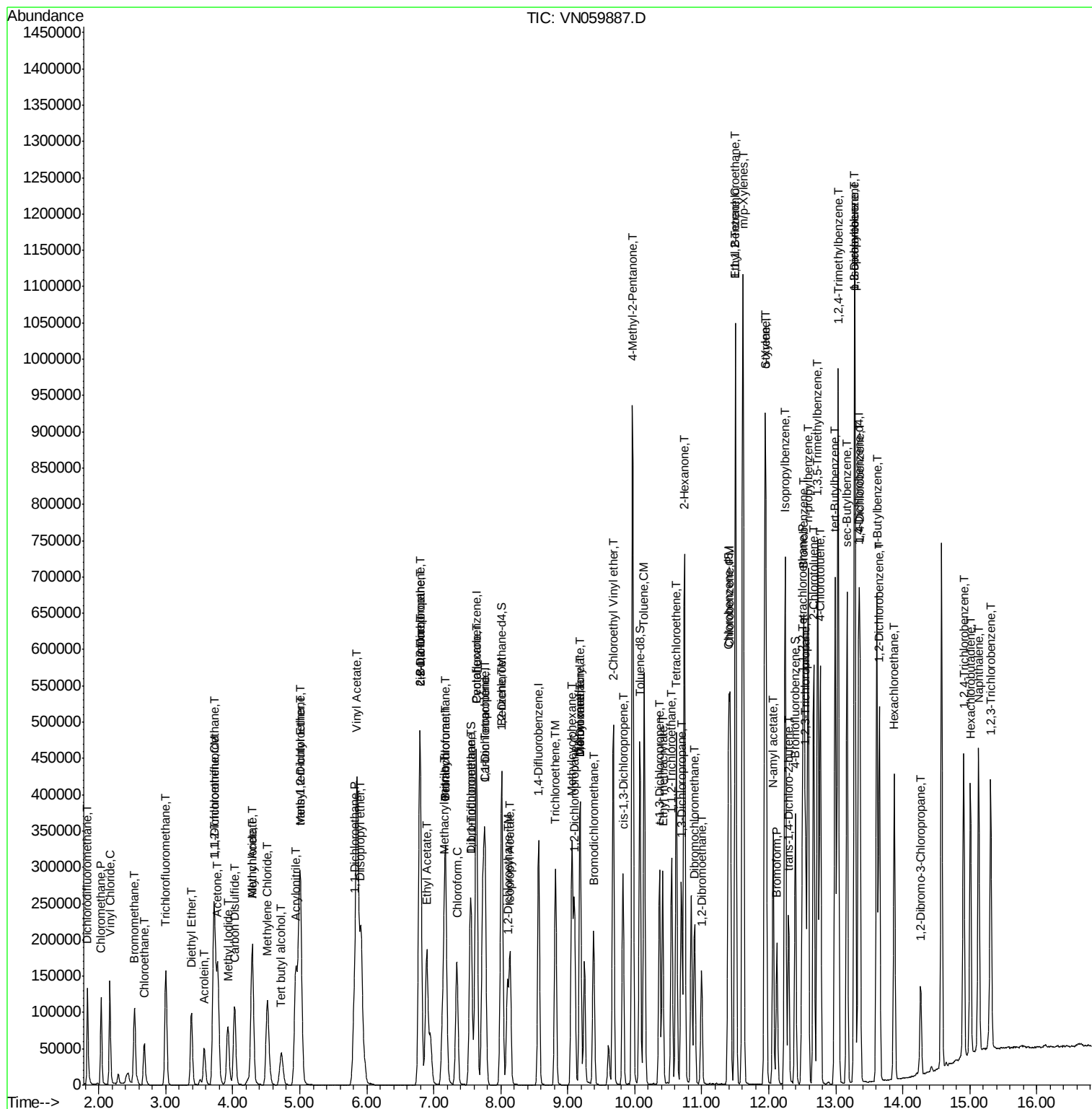
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Data File : VN059887.D  
Acq On : 28 Jan 2020 10:26  
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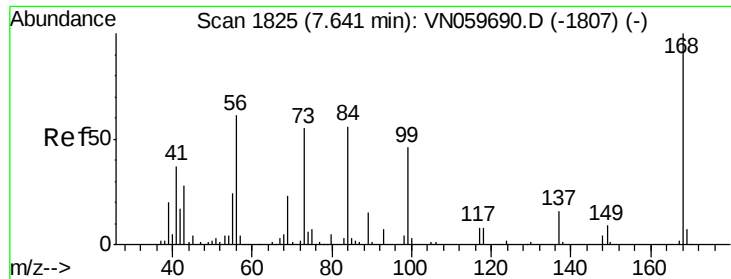
Instrument :  
MSVOA\_N  
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VSTDCCC050

Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Sat Jan 18 03:09:32 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 208008

Ion Ratio Lower Upper

168 100

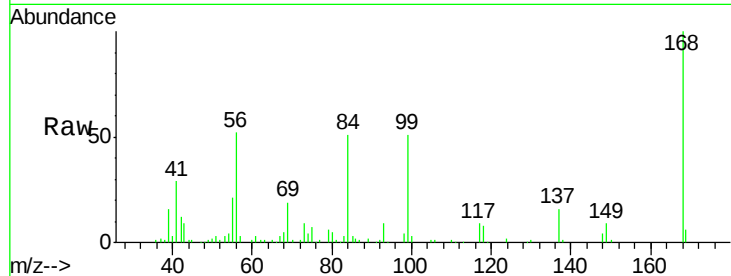
99 51.3 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

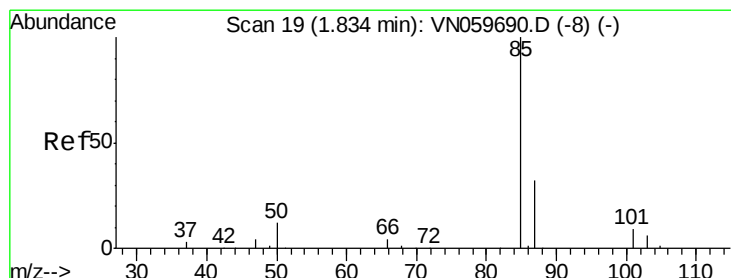
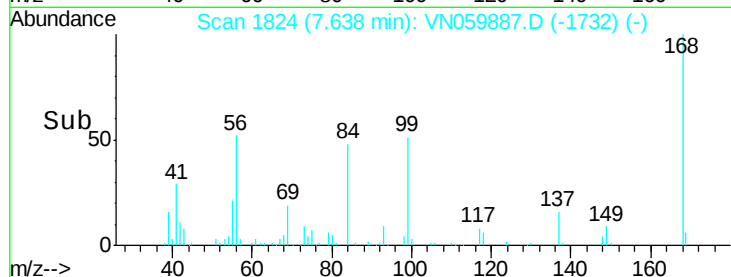
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.662 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059887.D

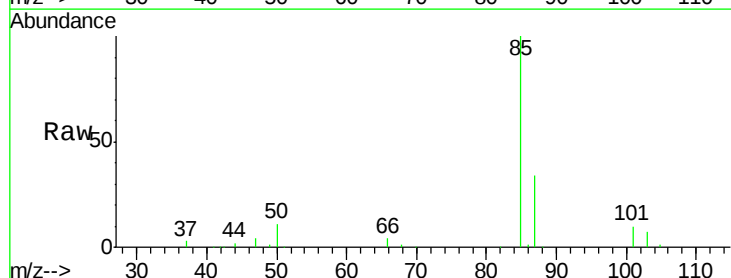
Acq: 28 Jan 2020 10:26

Tgt Ion: 85 Resp: 104812

Ion Ratio Lower Upper

85 100

87 34.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

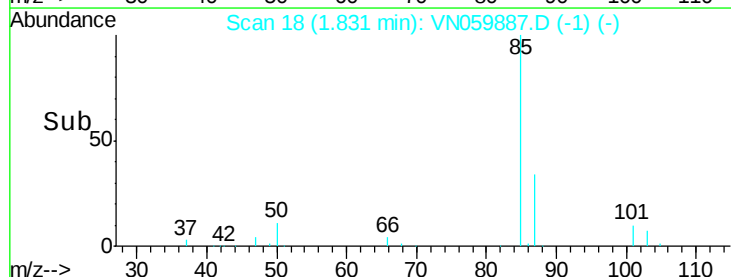
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 41.043 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 97740

Ion Ratio Lower Upper

50 100

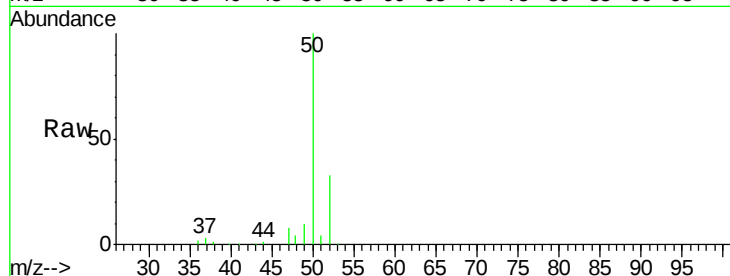
52 33.0 25.9 38.9

Manual Integrations

APPROVED

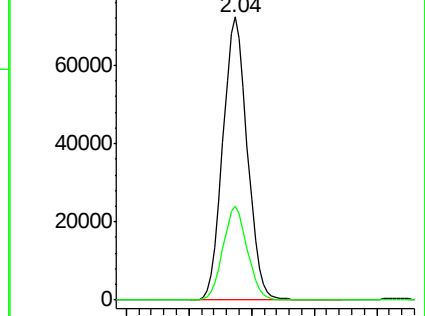
MMDadoda

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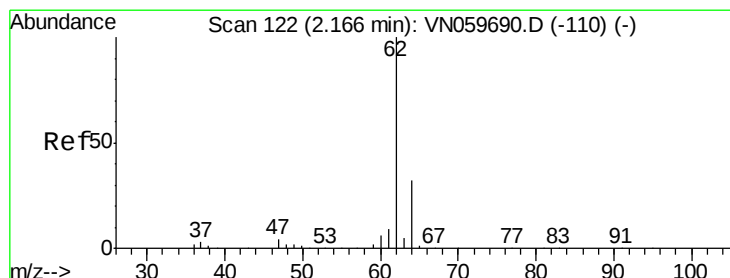
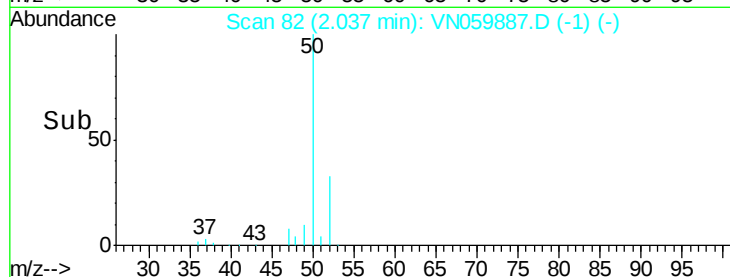


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 46.400 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059887.D

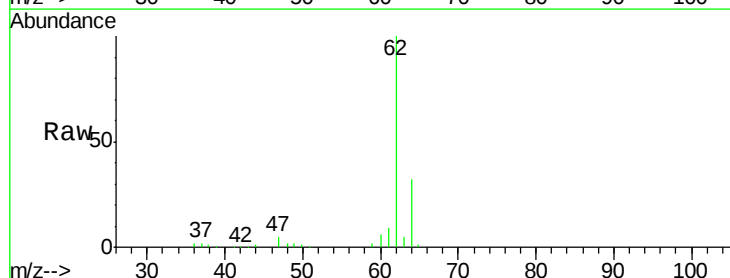
Acq: 28 Jan 2020 10:26

Tgt Ion: 62 Resp: 126428

Ion Ratio Lower Upper

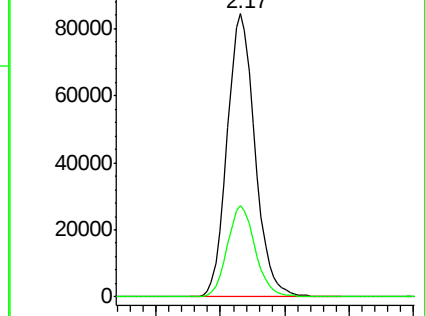
62 100

64 32.4 24.6 37.0

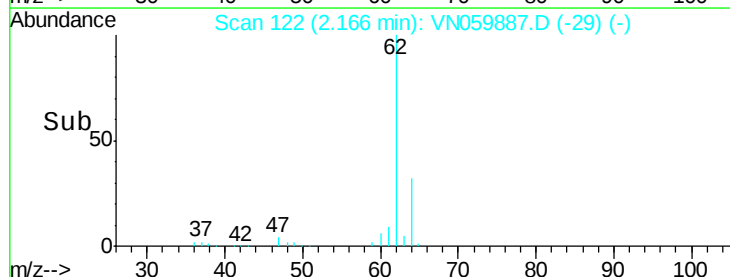


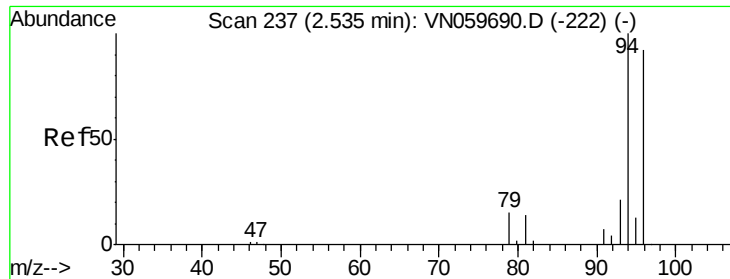
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 47.313 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 78674

Ion Ratio Lower Upper

94 100

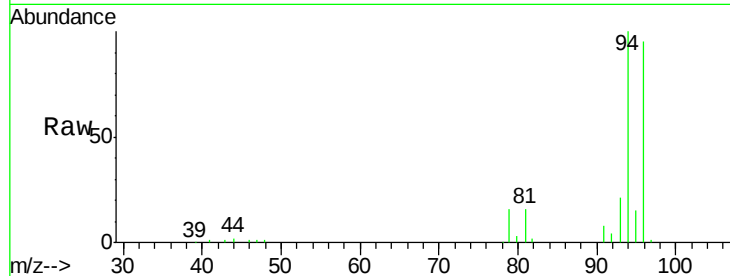
96 95.0 74.7 112.1

Manual Integrations

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1/29/2020 11:04:06 AM



Abundance Ion 93.90 (93.60 to 94.60): VN059887.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VN059887.D (-144) (-)

2.53

40000

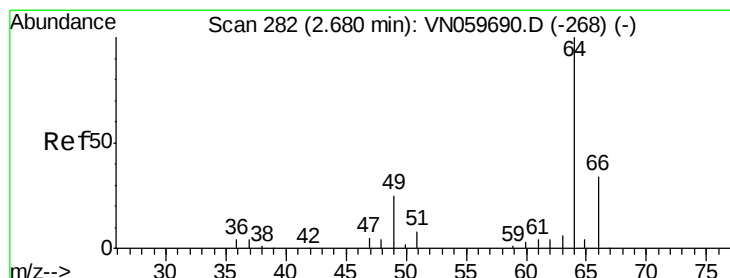
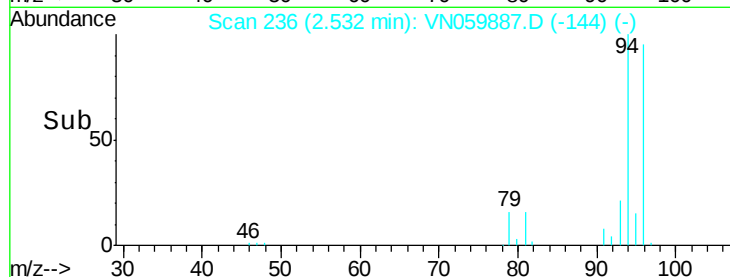
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 45.966 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059887.D

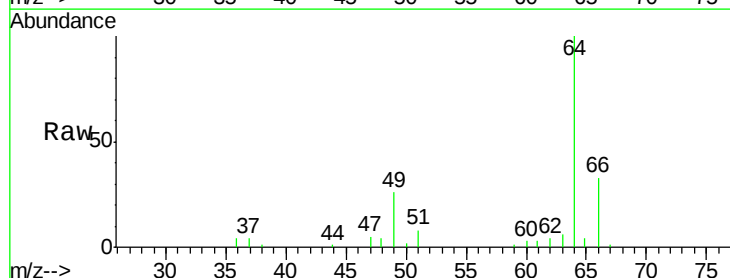
Acq: 28 Jan 2020 10:26

Tgt Ion: 64 Resp: 59255

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN059887.D (-189) (-)

Ion 65.90 (65.60 to 66.60): VN059887.D (-189) (-)

2.68

30000

25000

20000

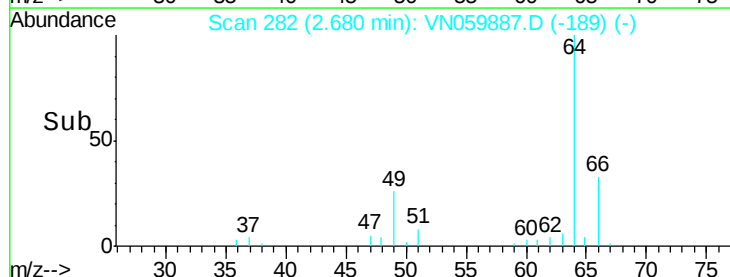
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10000

5000

0

Time-->





#7

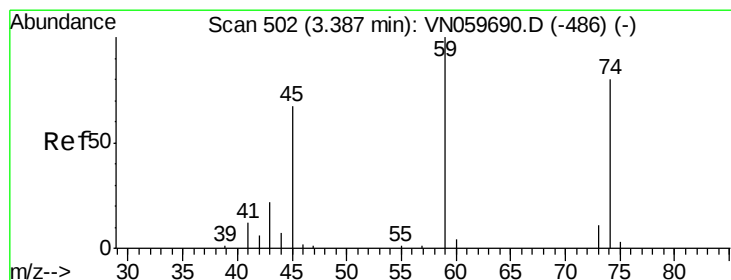
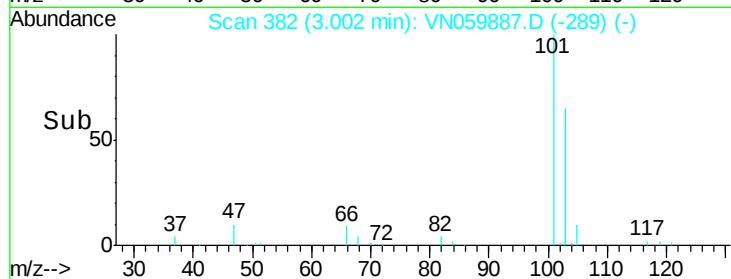
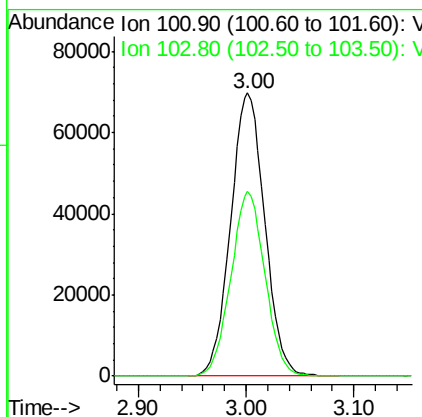
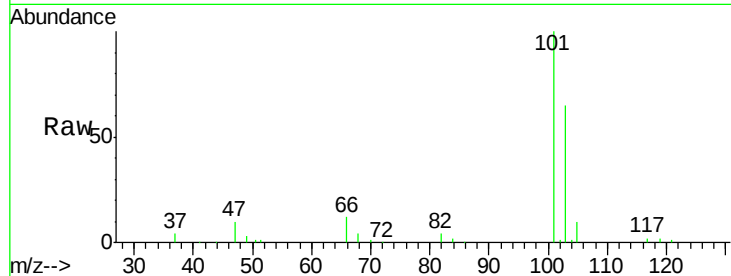
Trichlorofluoromethane  
 Concen: 46.942 ug/l  
 RT: 3.00 min Scan# 382  
 Delta R.T. 0.00 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.2  | 51.0  | 76.6  |

Manual Integrations  
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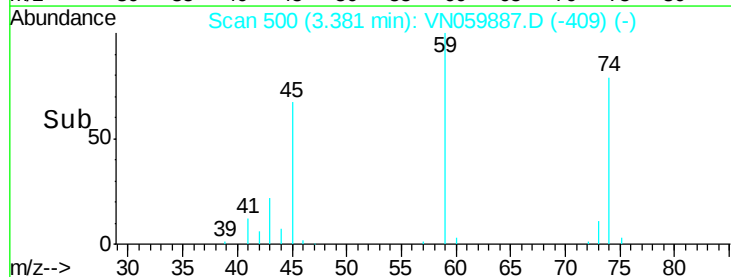
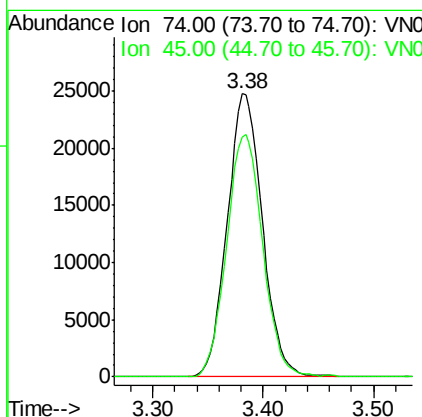
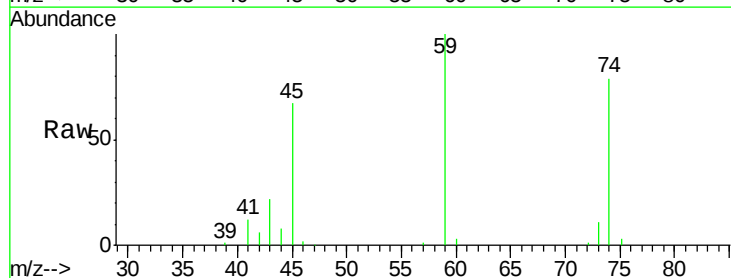
MMDadoda  
 1/29/2020 11:04:06 AM



#8

Diethyl Ether  
 Concen: 47.664 ug/l  
 RT: 3.38 min Scan# 500  
 Delta R.T. -0.01 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 87.8  | 51.9  | 155.8 |





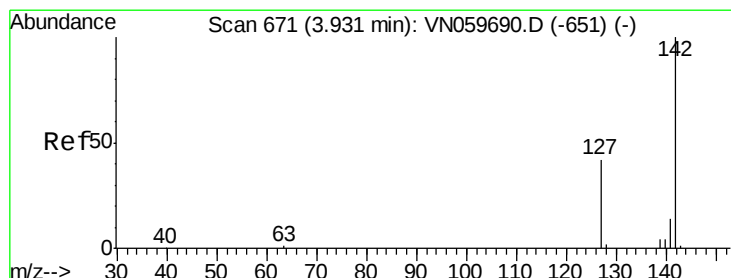
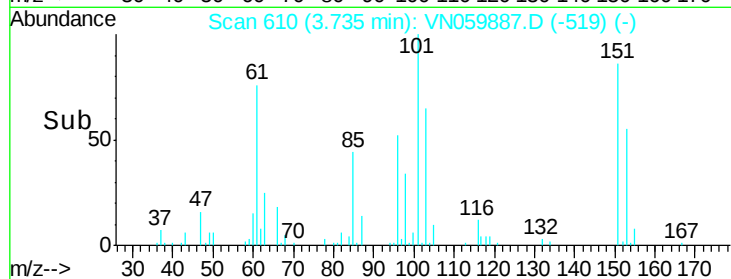
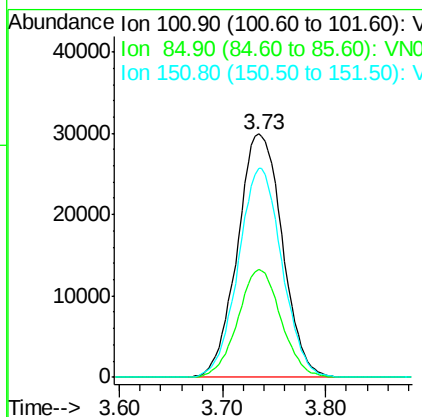
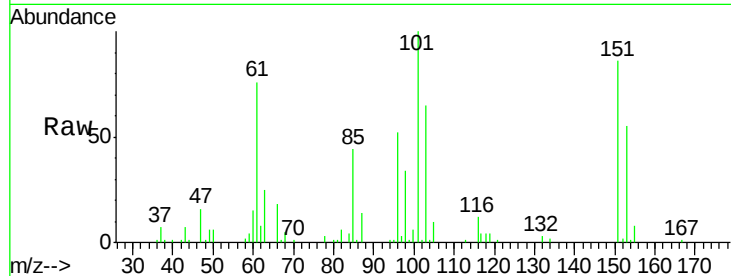
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.481 ug/l  
RT: 3.73 min Scan# 610  
Delta R.T. -0.01 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 42.7  | 36.6  | 54.8  |
| 151     | 83.8  | 59.7  | 89.5  |

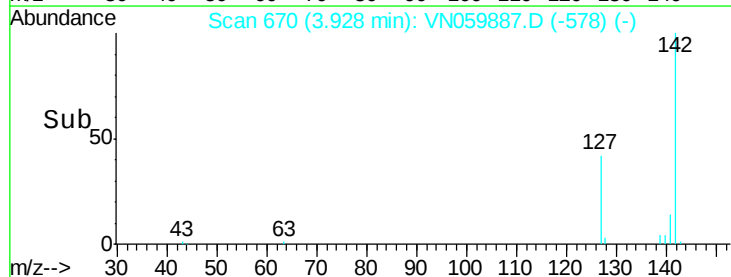
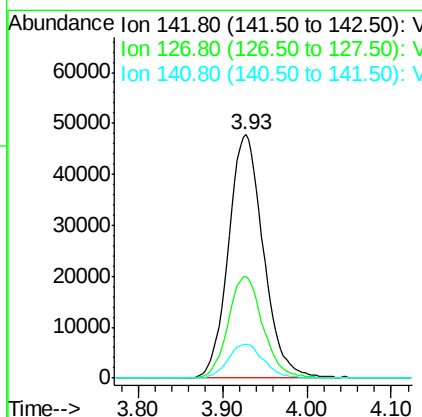
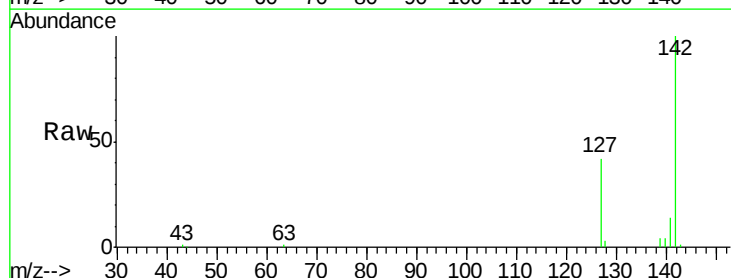
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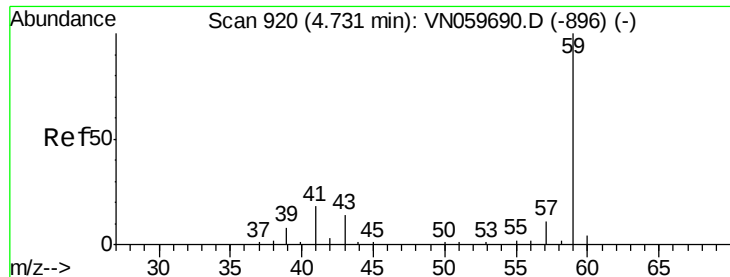
MMDadoda  
1/29/2020 11:04:06 AM



#10  
Methyl Iodide  
Concen: 46.754 ug/l  
RT: 3.93 min Scan# 670  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 41.5  | 36.7  | 55.1  |
| 141     | 14.0  | 11.7  | 17.5  |





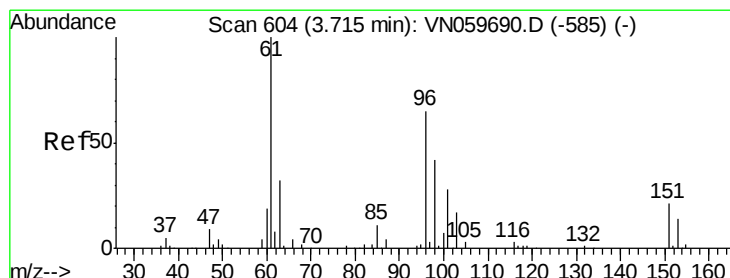
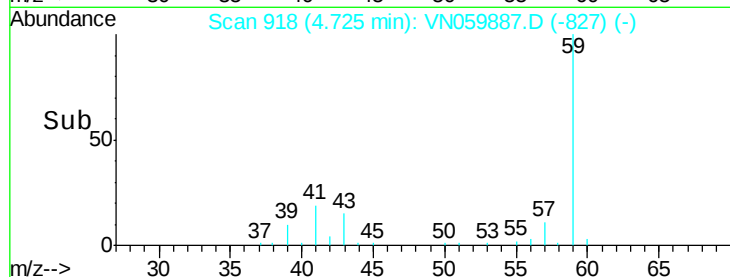
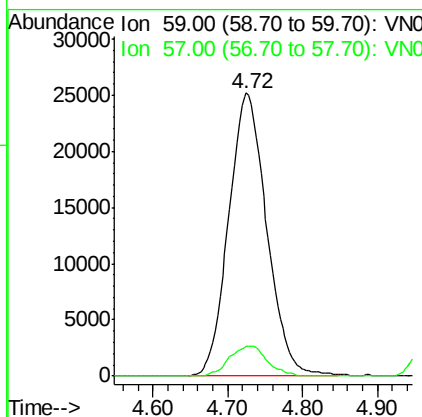
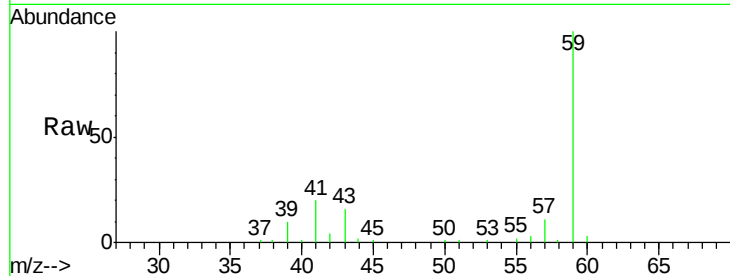
#11  
Tert butyl alcohol  
Concen: 229.100 ug/l  
RT: 4.72 min Scan# 918  
Delta R.T. -0.01 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 59 Resp: 89091  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.6 12.8

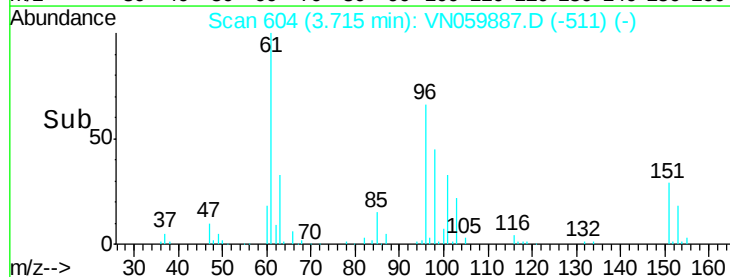
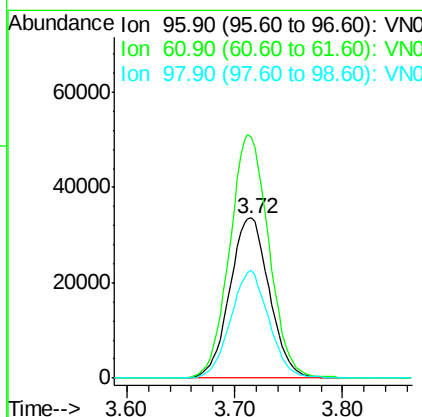
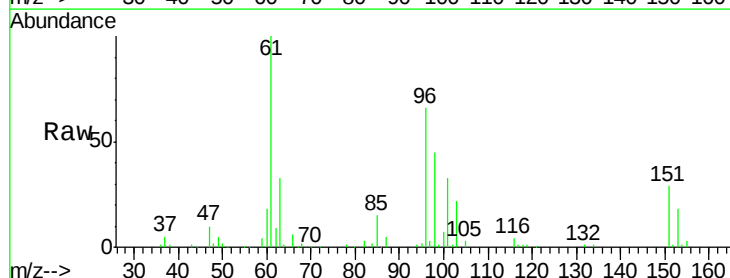
Manual Integrations  
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1/29/2020 11:04:06 AM



#12  
1,1-Dichloroethene  
Concen: 45.081 ug/l  
RT: 3.72 min Scan# 604  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Tgt Ion: 96 Resp: 85791  
Ion Ratio Lower Upper  
96 100  
61 150.5 137.5 206.3  
98 67.1 50.2 75.4





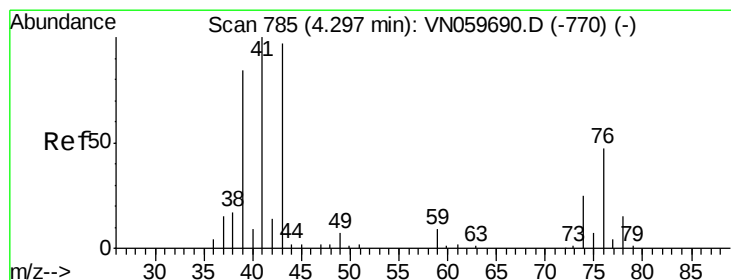
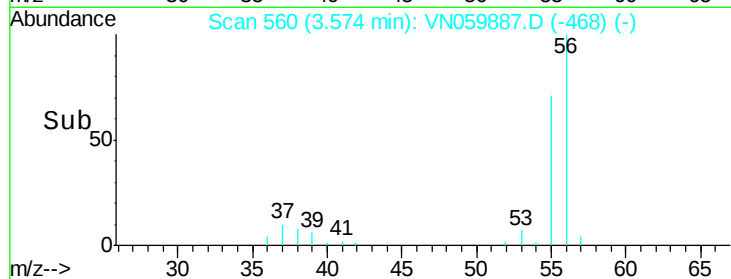
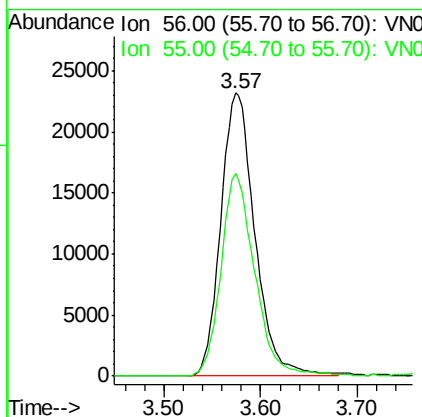
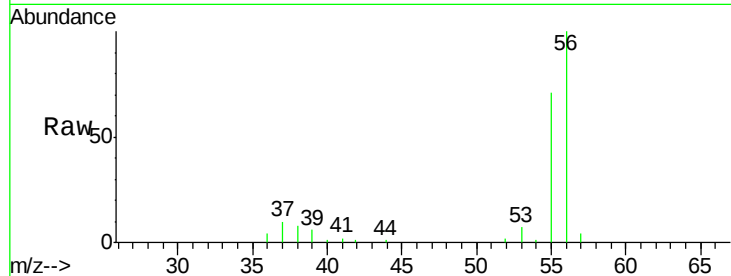
#13  
Acrolein  
Concen: 206.034 ug/l  
RT: 3.57 min Scan# 560  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 56   | Resp  | 56716 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 55        | 71.0 | 58.6  | 88.0  |

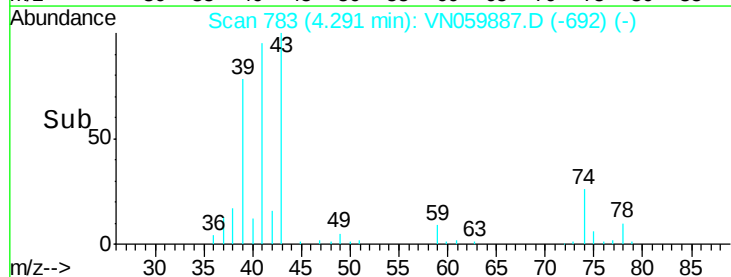
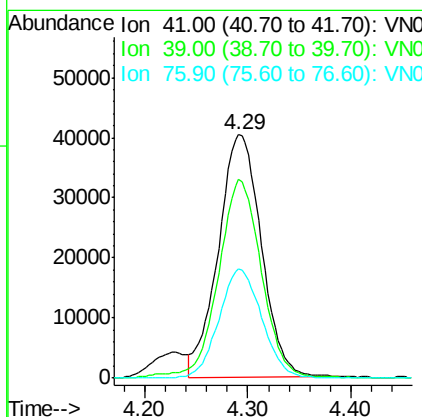
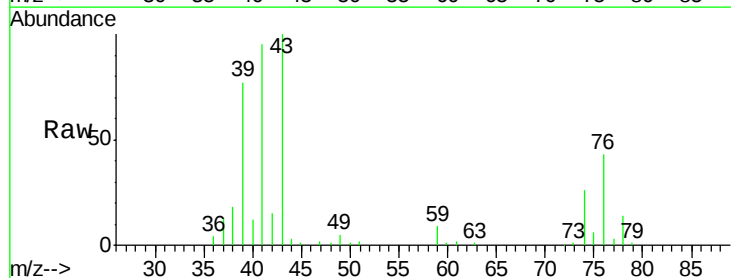
Manual Integrations  
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#14  
Allyl chloride  
Concen: 45.755 ug/l  
RT: 4.29 min Scan# 783  
Delta R.T. -0.01 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion   | 41   | Resp  | 117365 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 39        | 82.2 | 57.8  | 86.8   |
| 76        | 44.5 | 25.4  | 38.0   |





#15

Acrylonitrile

Concen: 239.425 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

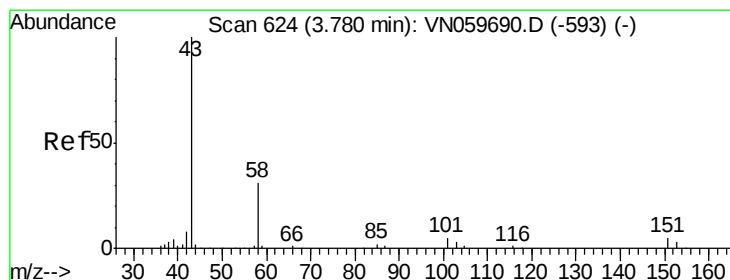
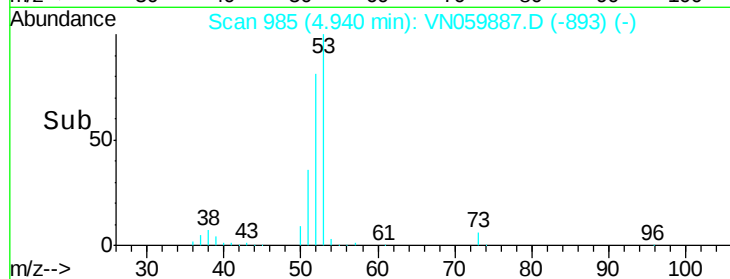
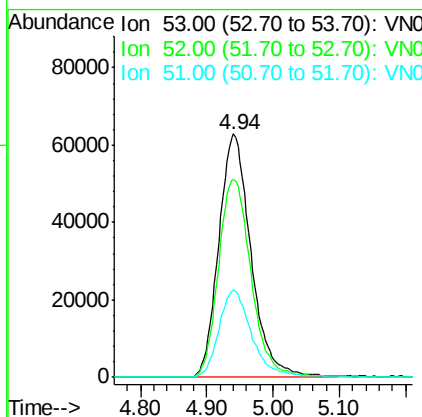
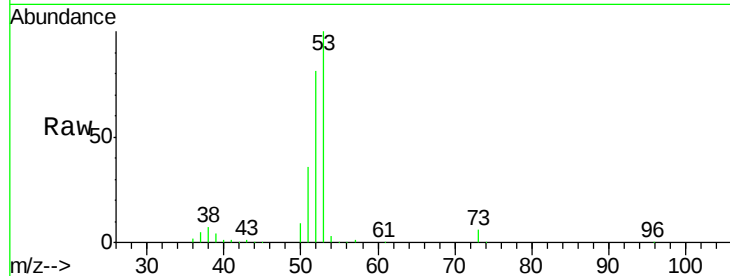
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 212382 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.7  | 66.3  | 99.5   |
| 51        | 36.7  | 29.7  | 44.5   |

Manual Integrations  
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#16

Acetone

Concen: 310.432 ug/l

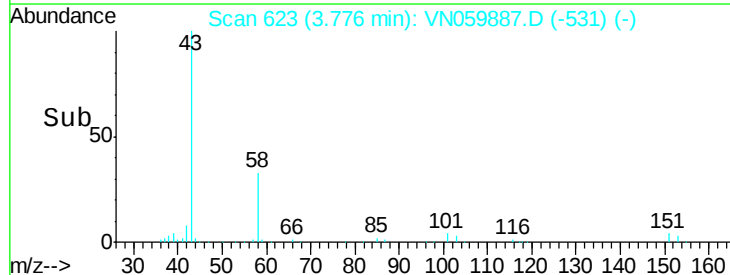
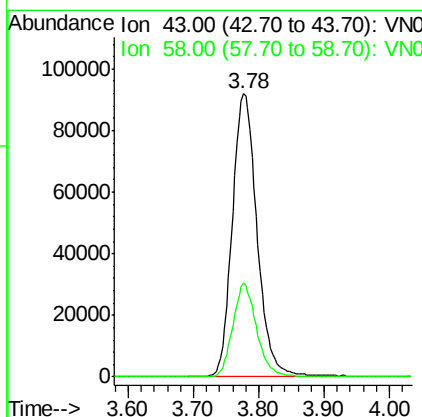
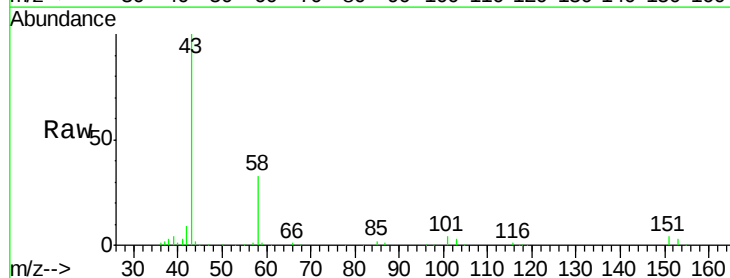
RT: 3.78 min Scan# 623

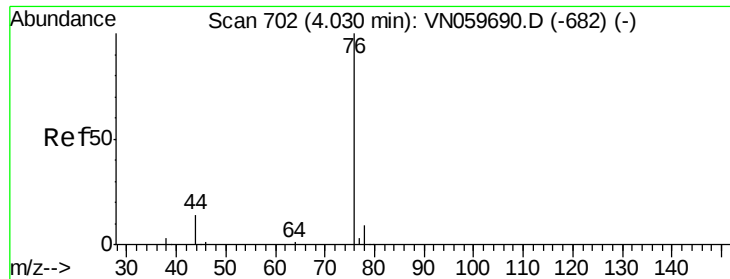
Delta R.T. -0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 242673 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 33.0  | 23.6  | 35.4   |





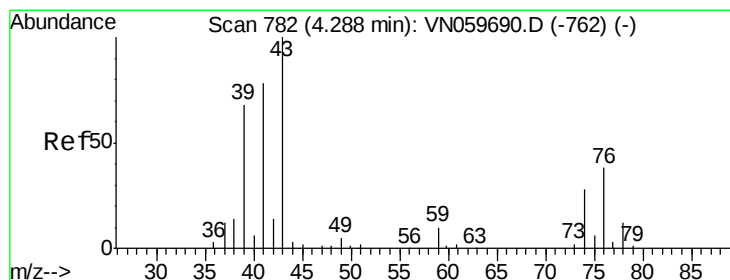
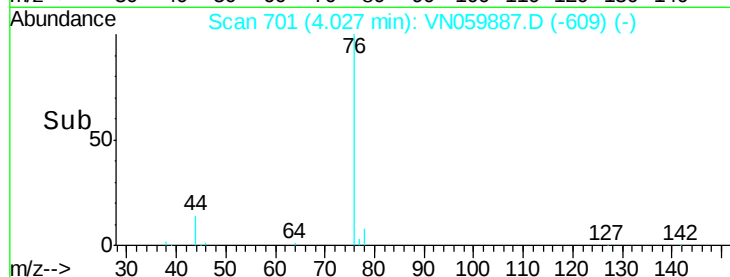
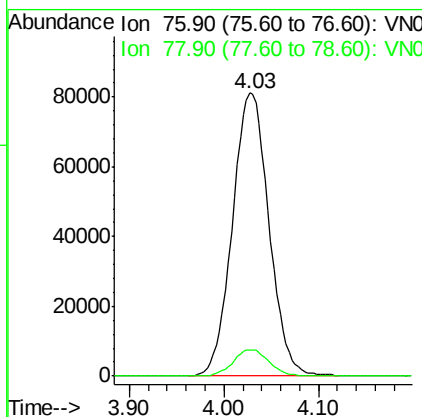
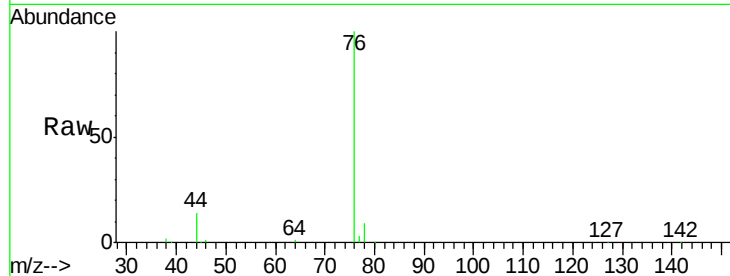
#17  
Carbon Disulfide  
Concen: 40.165 ug/l  
RT: 4.03 min Scan# 701  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 76 Resp: 217742  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.0

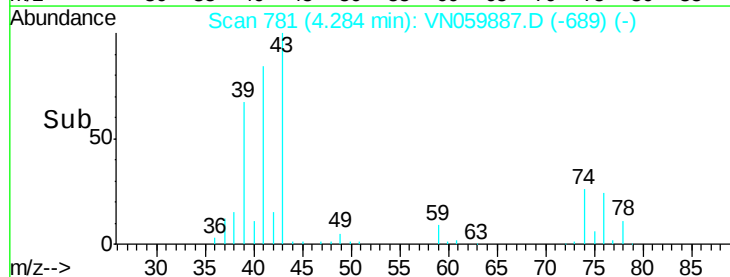
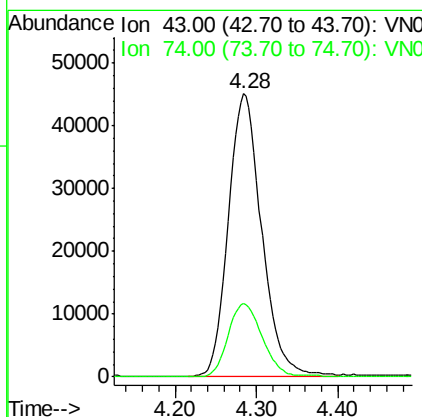
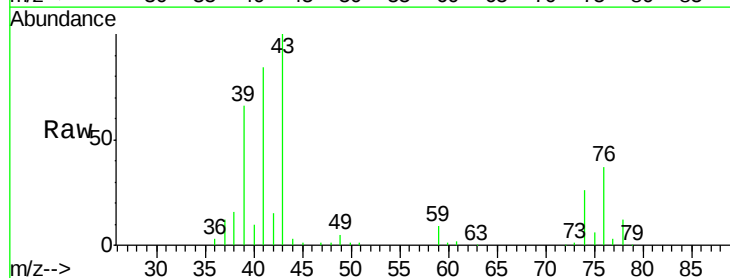
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#18  
Methyl Acetate  
Concen: 47.908 ug/l  
RT: 4.28 min Scan# 781  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Tgt Ion: 43 Resp: 129266  
Ion Ratio Lower Upper  
43 100  
74 26.6 17.5 26.3#





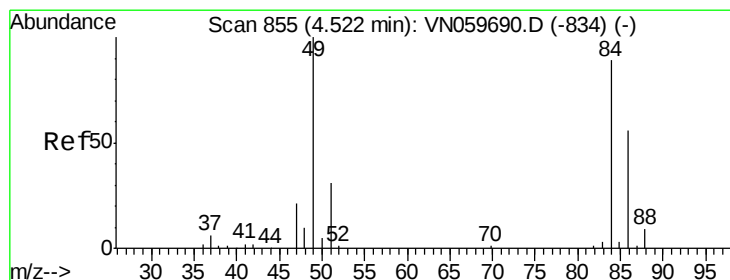
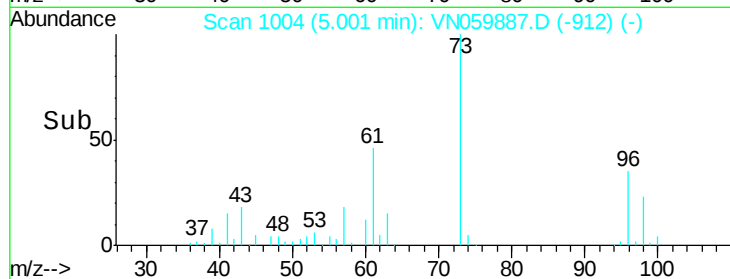
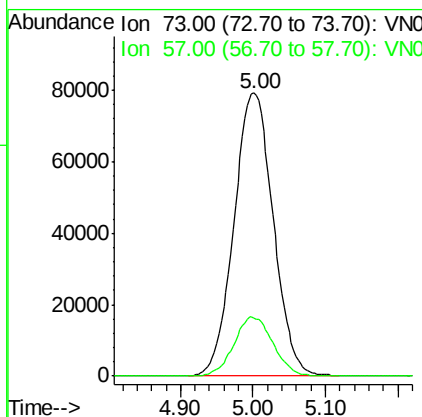
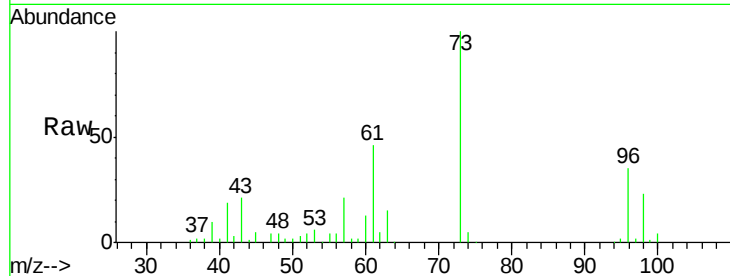
#19  
Methvl tert-butvl Ether  
Concen: 48.085 ug/l  
RT: 5.00 min Scan# 1004  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 298358  
Ion Ratio Lower Upper  
73 100  
57 20.6 18.6 27.8

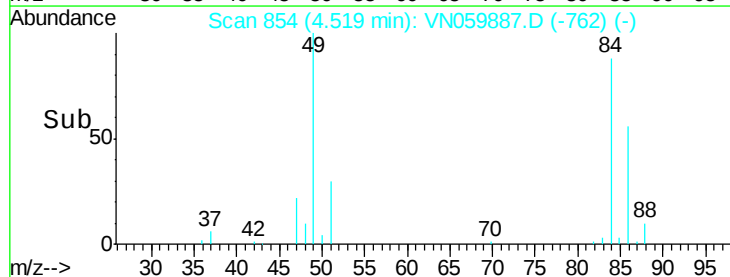
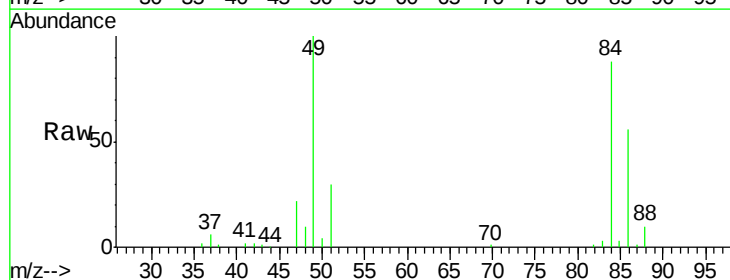
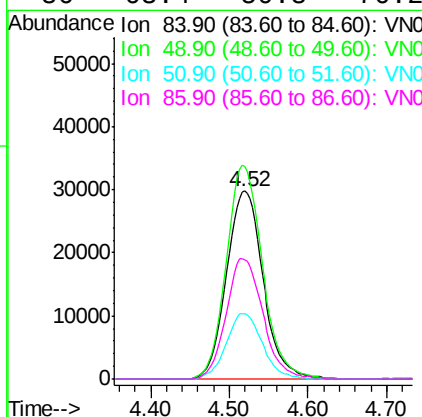
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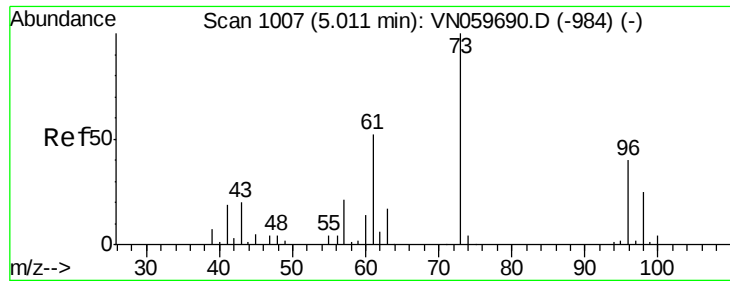
MMDadoda  
1/29/2020 11:04:06 AM



#20  
Methylene Chloride  
Concen: 46.195 ug/l  
RT: 4.52 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Tgt Ion: 84 Resp: 96750  
Ion Ratio Lower Upper  
84 100  
49 113.5 106.6 160.0  
51 34.6 31.9 47.9  
86 63.4 50.8 76.2





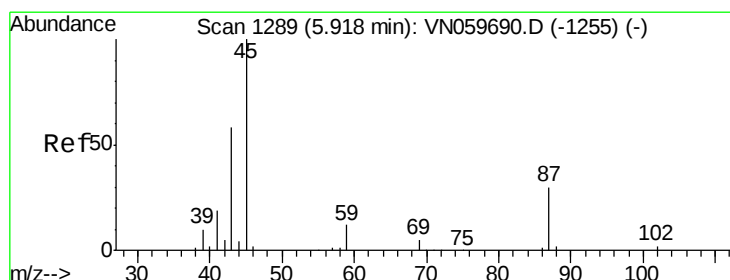
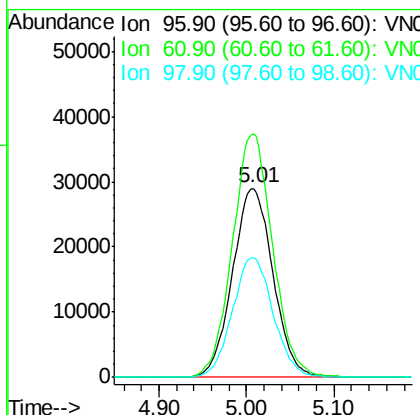
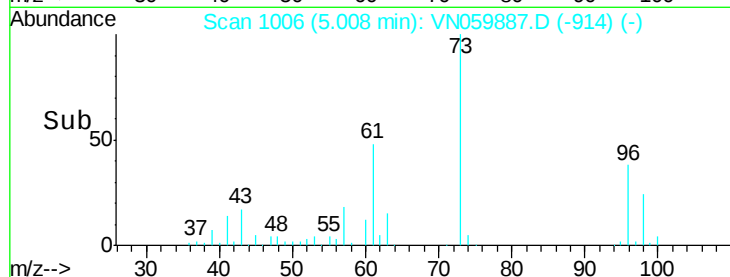
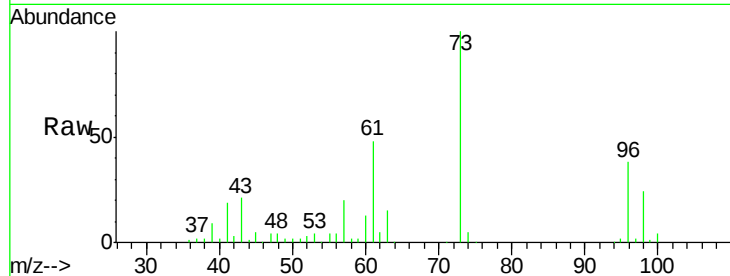
#21  
trans-1,2-Dichloroethene  
Concen: 46.000 ug/l  
RT: 5.01 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 129.0 | 120.4 | 180.6 |
| 98      | 63.3  | 50.6  | 75.8  |

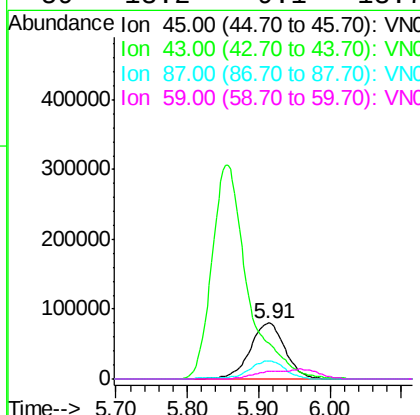
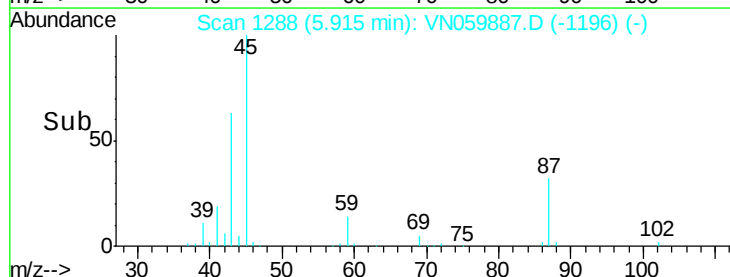
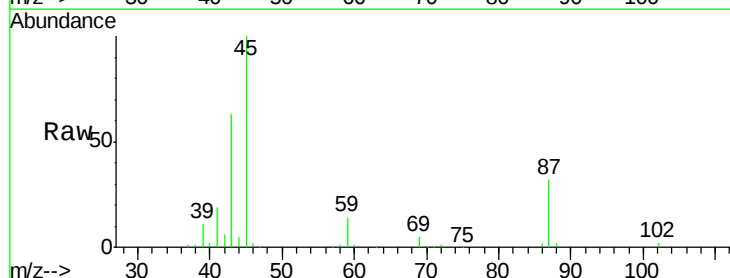
Manual Integrations  
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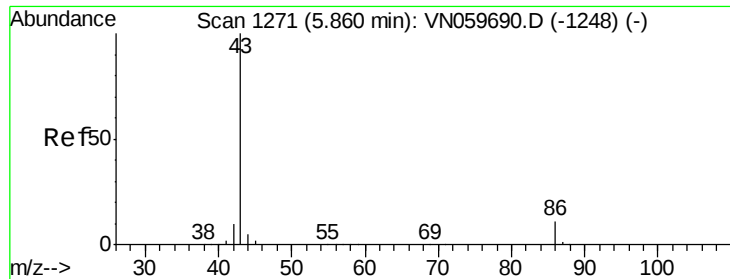
MMDadoda  
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#22  
Diisopropyl ether  
Concen: 46.889 ug/l  
RT: 5.91 min Scan# 1288  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 61.6  | 50.8  | 76.2  |
| 87      | 32.1  | 21.0  | 31.6  |
| 59      | 13.2  | 9.1   | 13.7  |





#23

Vinyl Acetate

Concen: 236.194 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1063028

Ion Ratio Lower Upper

43 100

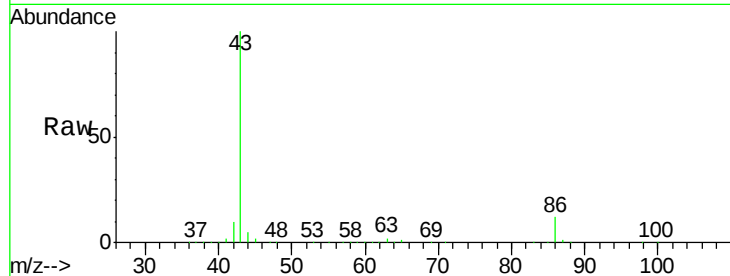
86 11.7 7.6 11.4#

Manual Integrations

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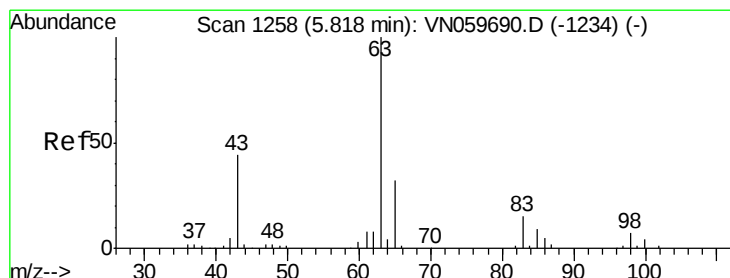
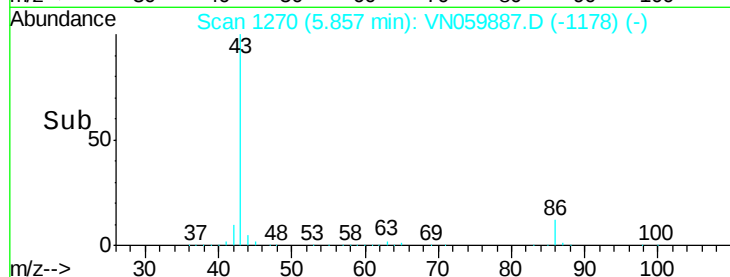
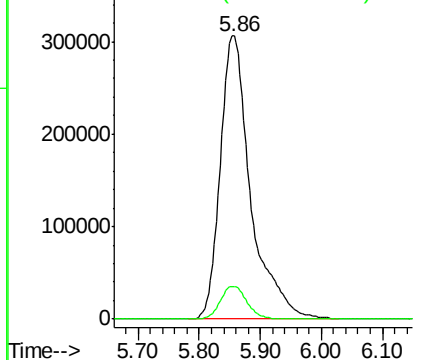
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.330 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

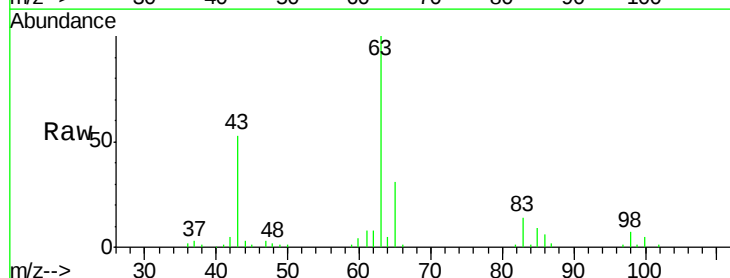
Tgt Ion: 63 Resp: 168109

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.7

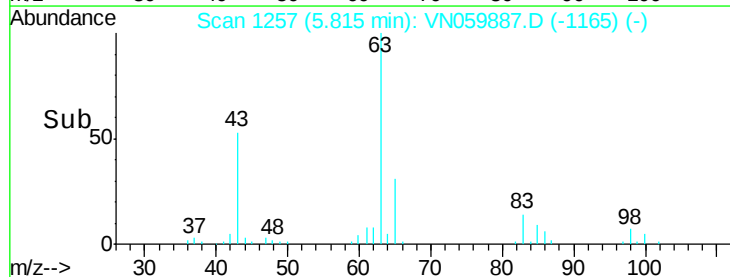
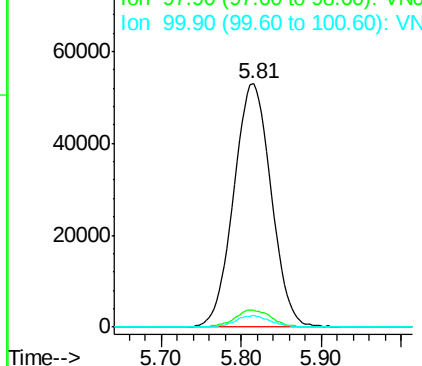
100 4.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 232.757 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 304476

Ion Ratio Lower Upper

43 100

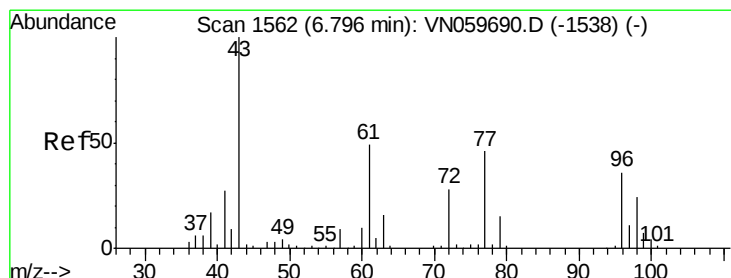
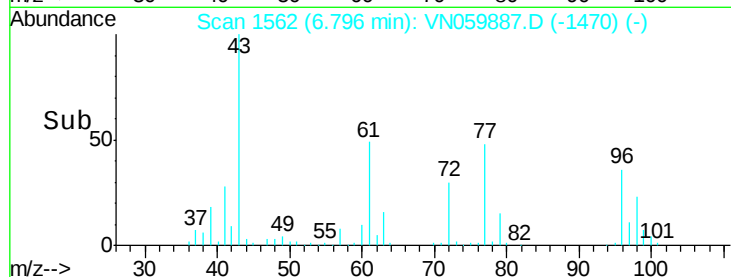
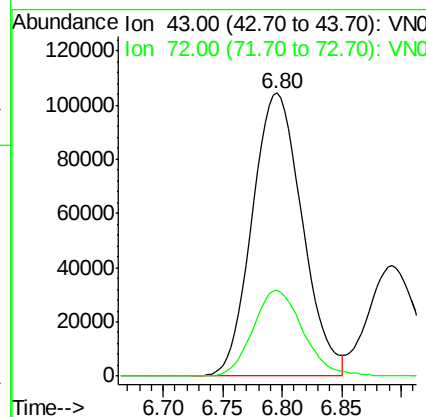
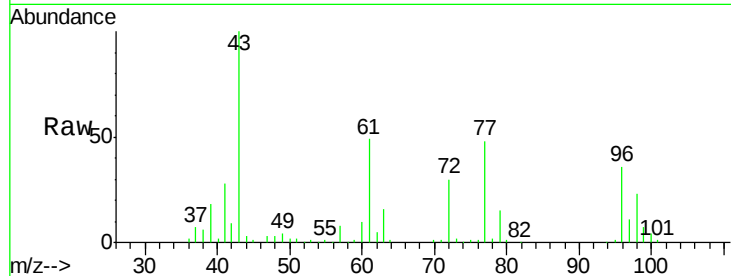
72 30.4 19.9 29.9#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.343 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059887.D

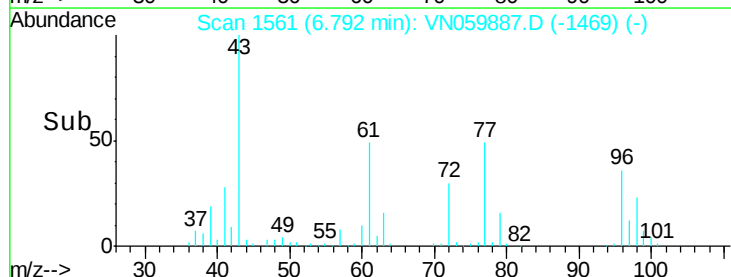
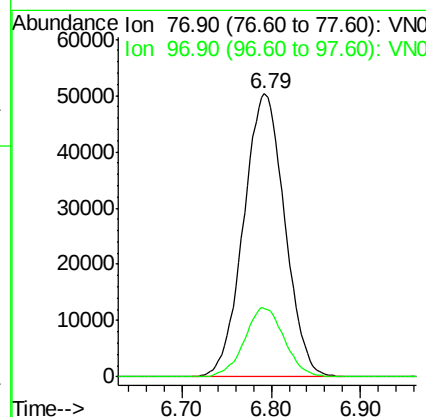
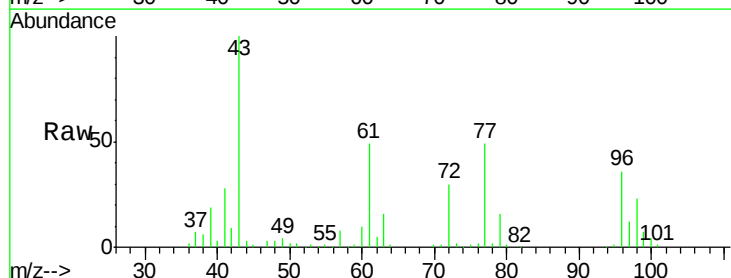
Acq: 28 Jan 2020 10:26

Tgt Ion: 77 Resp: 161660

Ion Ratio Lower Upper

77 100

97 23.6 10.7 31.9





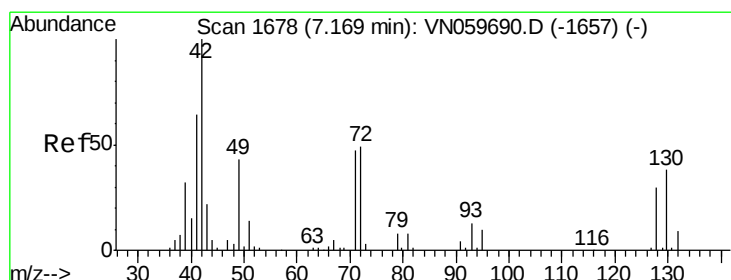
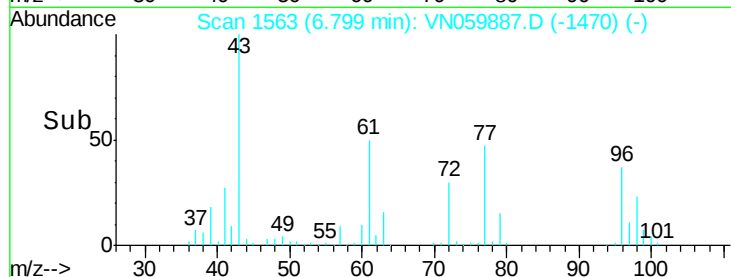
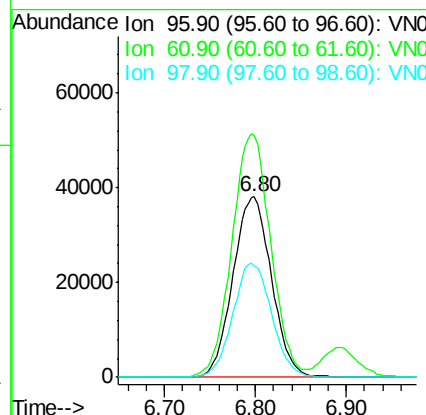
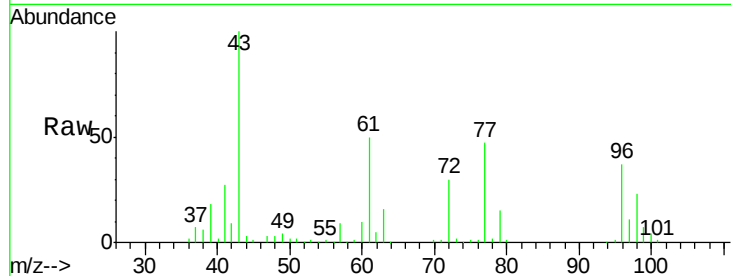
#27  
 cis-1,2-Dichloroethene  
 Concen: 48.094 ug/l  
 RT: 6.80 min Scan# 1563  
 Delta R.T. 0.00 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 111902 |       |       |
| 61      | 136.3 | 0.0    | 317.6 |       |
| 98      | 63.9  | 0.0    | 127.0 |       |

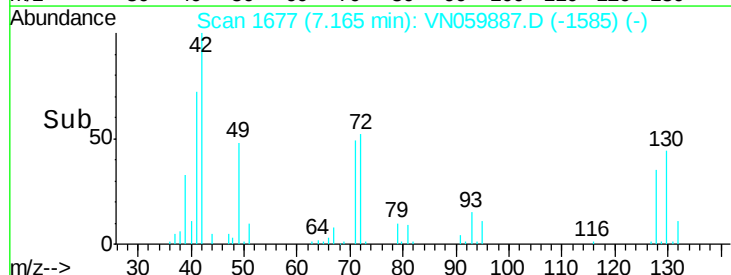
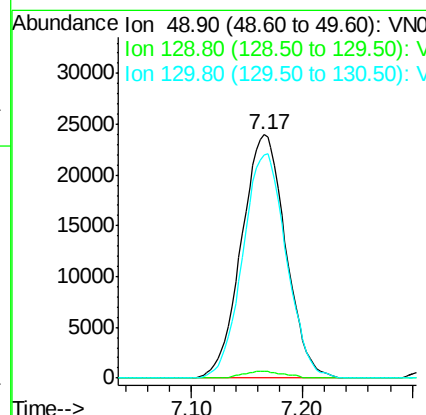
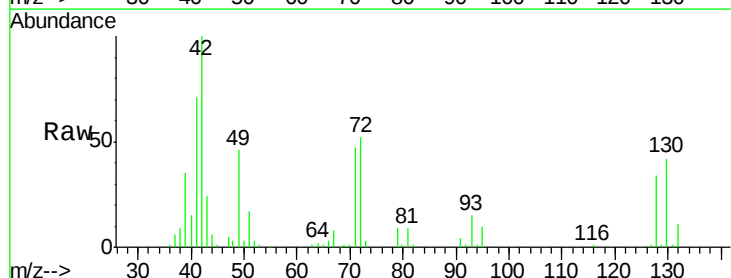
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#28  
 Bromochloromethane  
 Concen: 46.950 ug/l  
 RT: 7.17 min Scan# 1677  
 Delta R.T. -0.00 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 66651 |       |       |
| 129     | 2.5   | 0.0   | 3.4   |       |
| 130     | 90.8  | 54.7  | 82.1# |       |





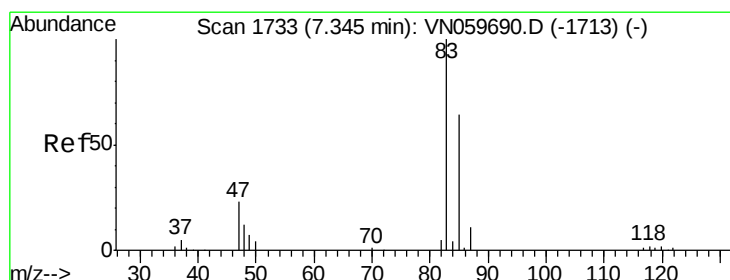
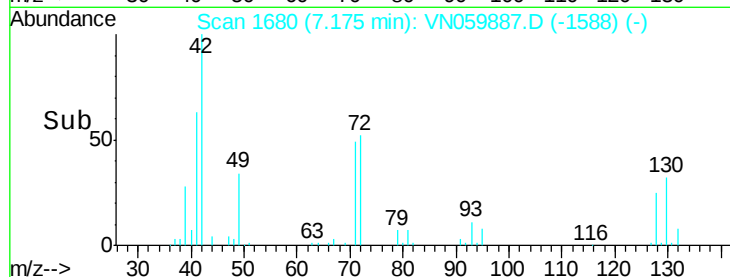
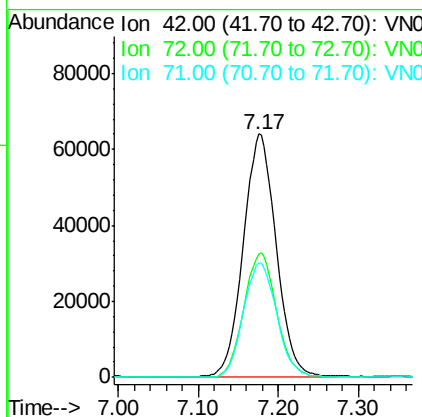
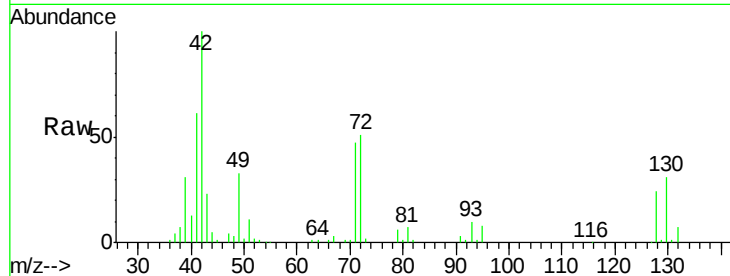
#29  
Tetrahydrofuran  
Concen: 221.825 ug/l  
RT: 7.17 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 50.7  | 33.1  | 49.7# |
| 71      | 47.6  | 31.4  | 47.0# |

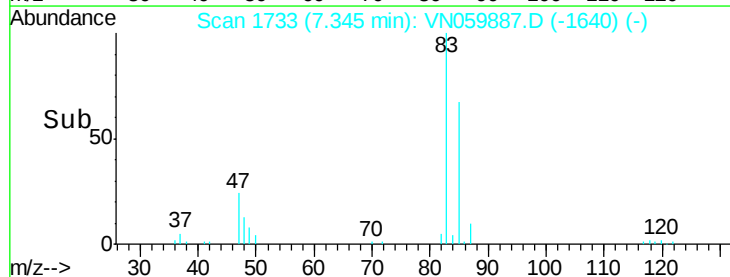
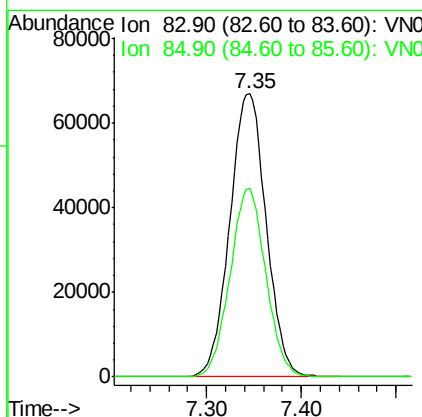
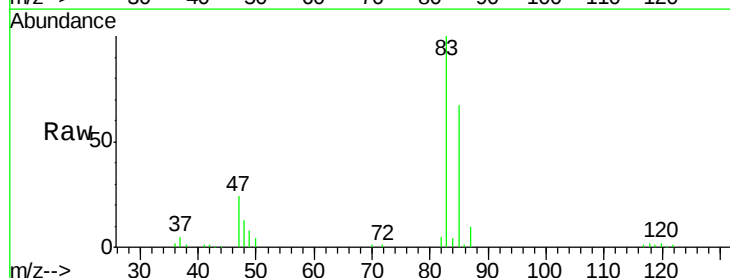
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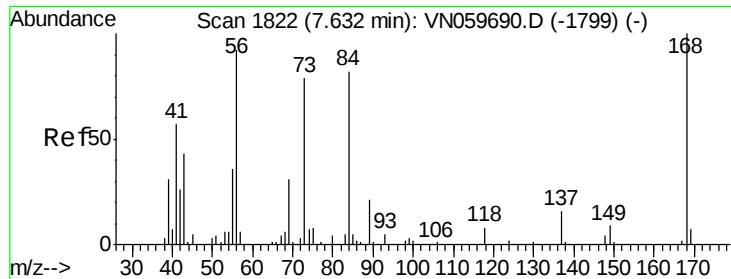
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#30  
Chloroform  
Concen: 48.560 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.8  | 52.4  | 78.6  |





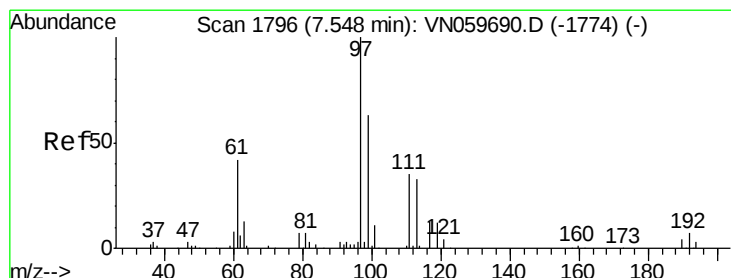
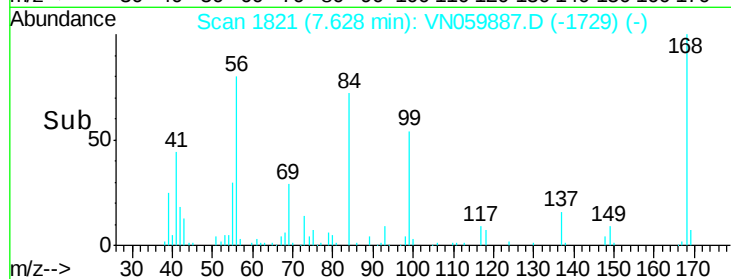
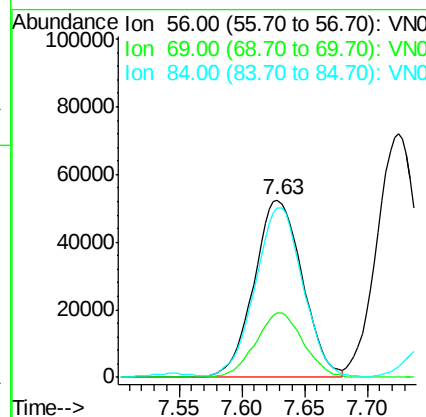
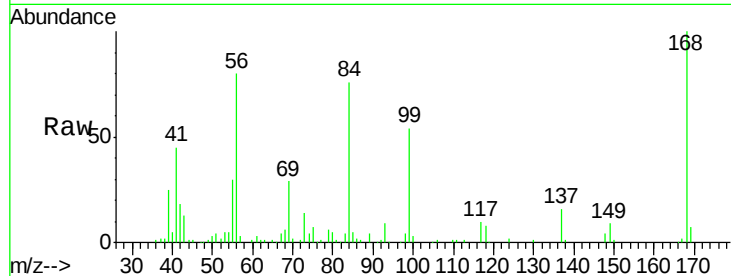
#31  
Cyclohexane  
Concen: 41.219 ug/l  
RT: 7.63 min Scan# 1821  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 36.0  | 26.5  | 39.7  |
| 84      | 94.1  | 65.3  | 97.9  |

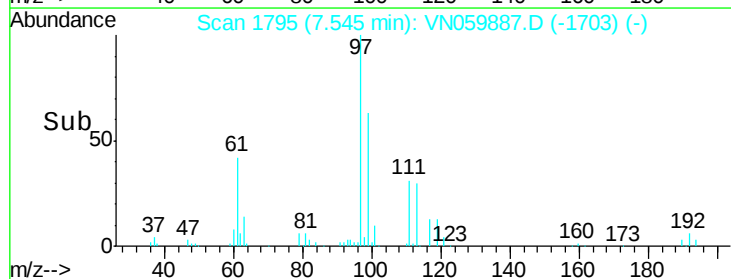
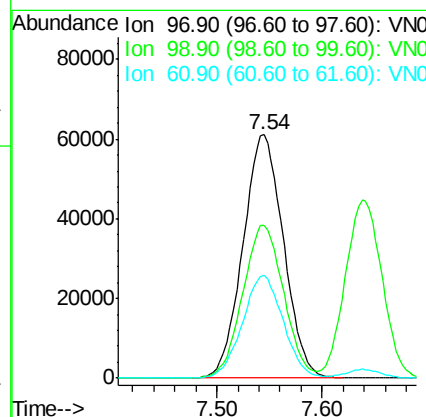
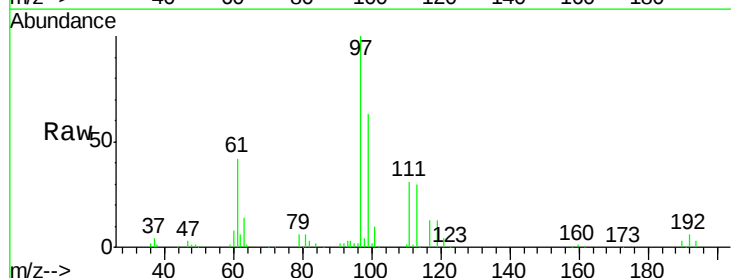
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#32  
1,1,1-Trichloroethane  
Concen: 48.001 ug/l  
RT: 7.54 min Scan# 1795  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.6  | 51.0  | 76.4  |
| 61      | 42.4  | 38.5  | 57.7  |





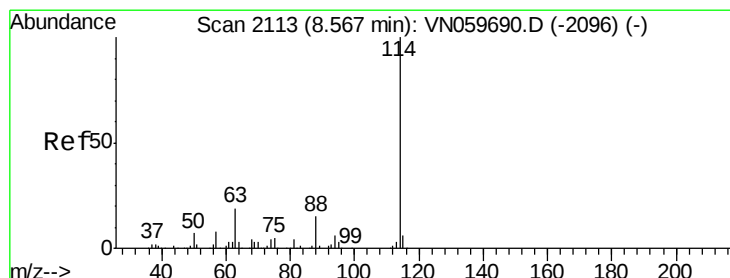
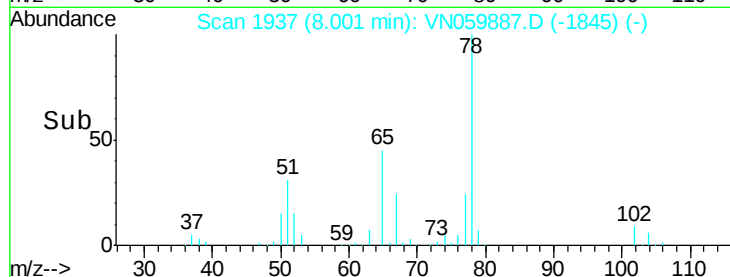
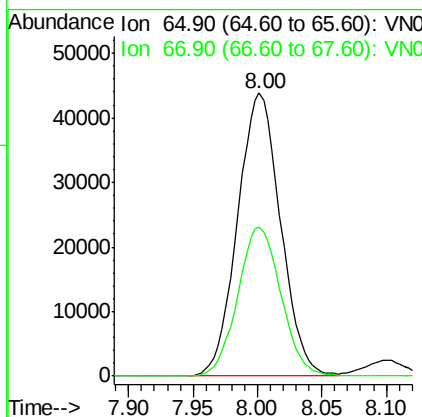
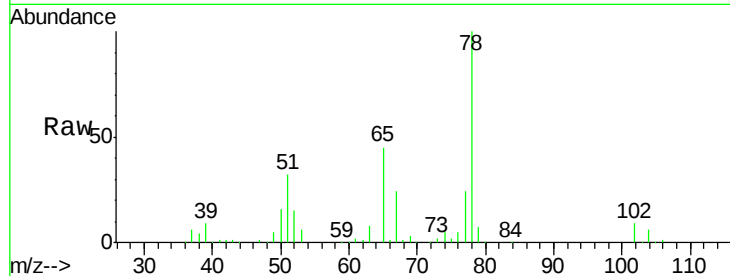
#33  
 1,2-Dichloroethane-d4  
 Concen: 44.067 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 101795 |       |       |
| 67      | 52.9  | 0.0    | 103.0 |       |

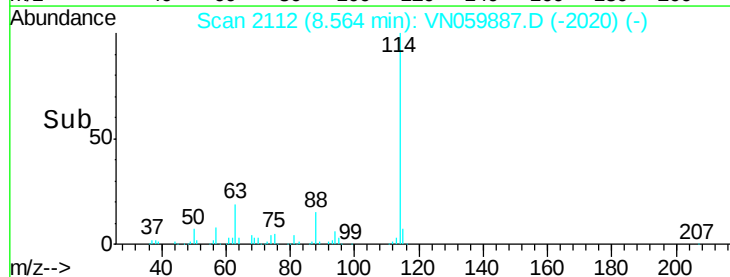
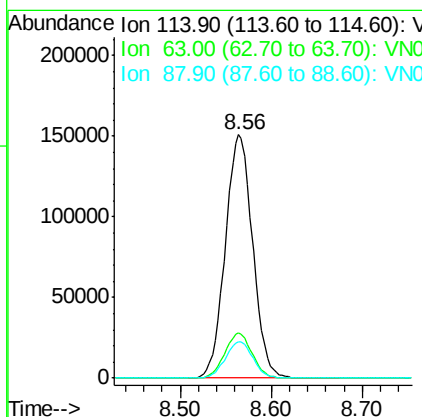
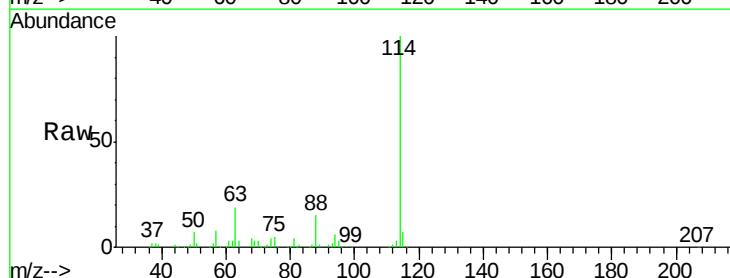
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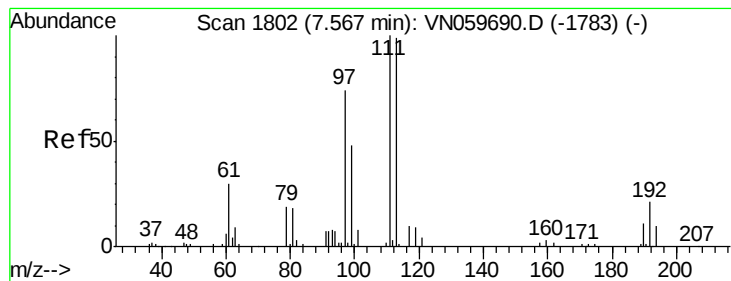
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 315324 |       |       |
| 63      | 18.6  | 0.0    | 43.6  |       |
| 88      | 15.0  | 0.0    | 31.4  |       |





#35

Dibromofluoromethane

Concen: 46.443 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

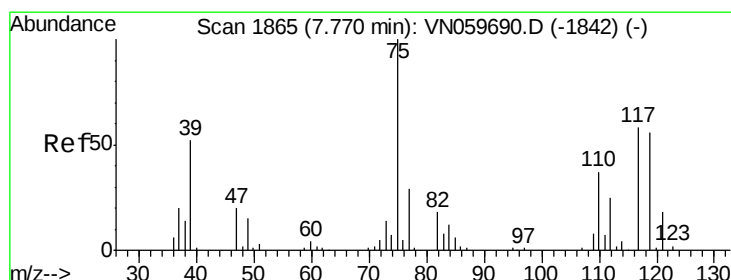
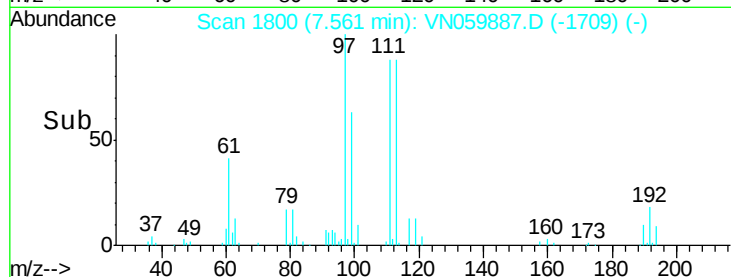
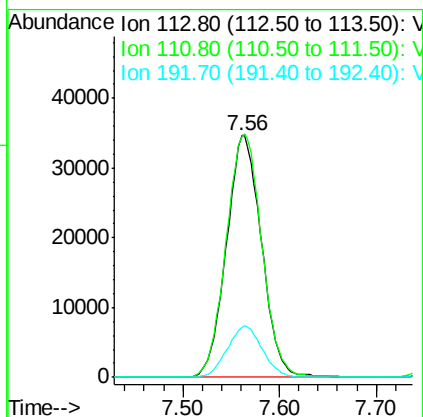
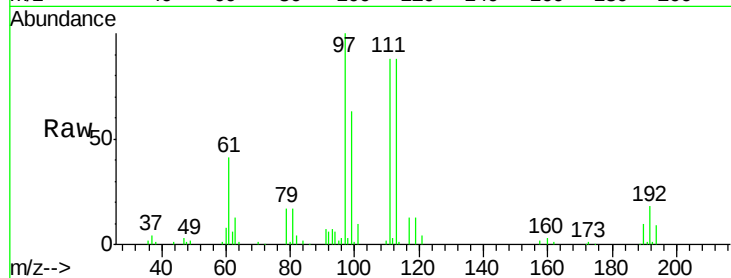
ClientSampled :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 113   | Resp: | 87332 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 102.5 | 83.5  | 125.3 |
| 192       | 21.1  | 15.4  | 23.2  |

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#36

1,1-Dichloropropene

Concen: 46.102 ug/l

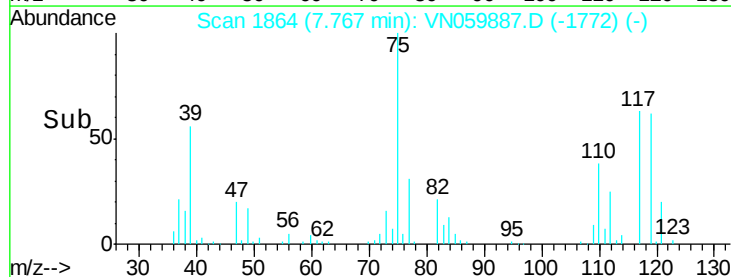
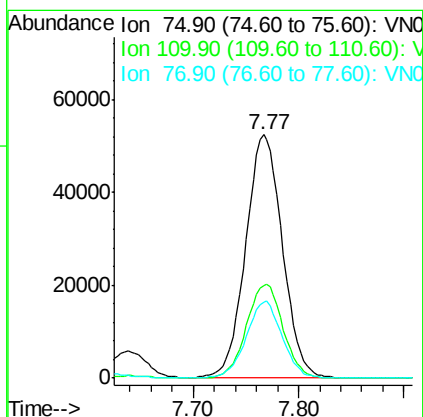
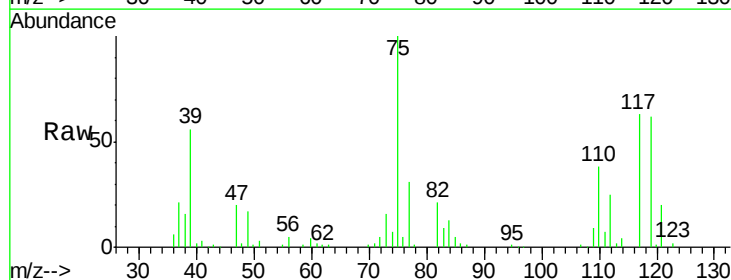
RT: 7.77 min Scan# 1864

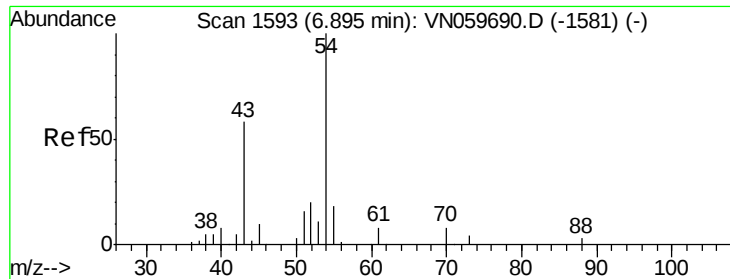
Delta R.T. -0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 126593 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 38.3  | 16.6  | 49.7   |
| 77        | 31.2  | 25.1  | 37.7   |





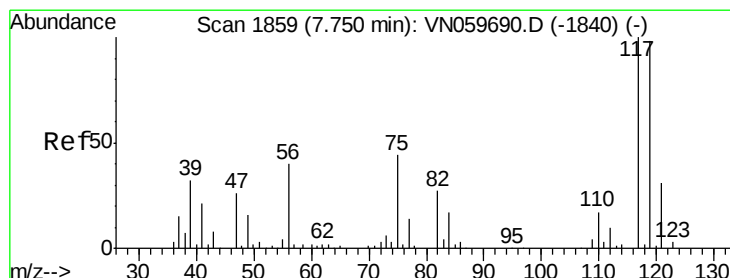
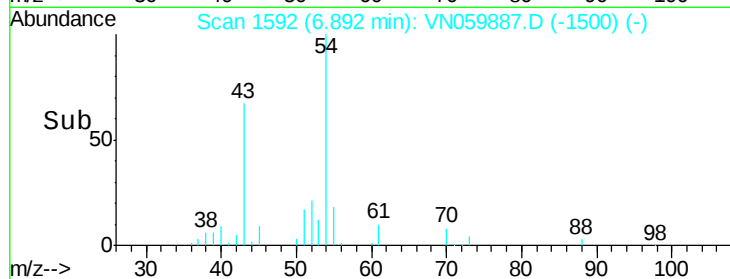
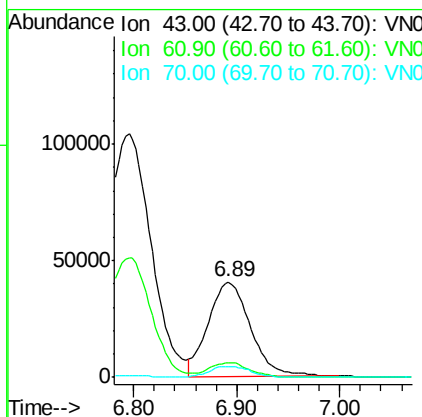
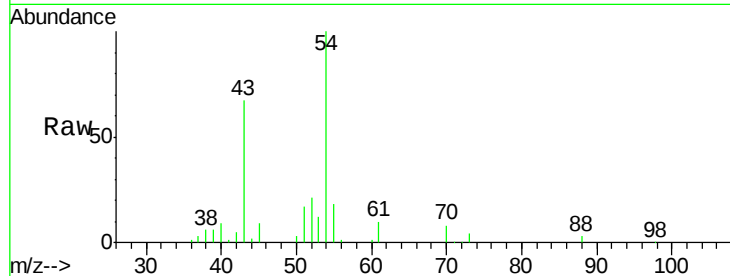
#37  
Ethyl Acetate  
Concen: 45.097 ug/l  
RT: 6.89 min Scan# 1592  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.2  | 10.9  | 16.3  |
| 70      | 11.5  | 7.7   | 11.5  |

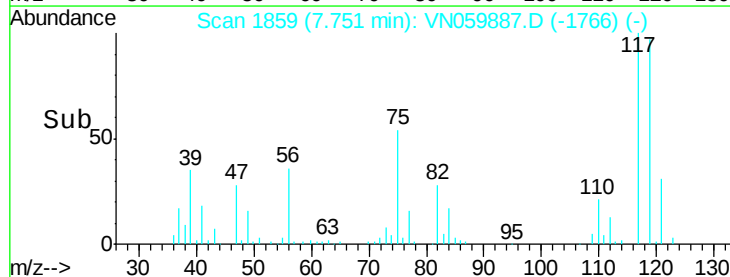
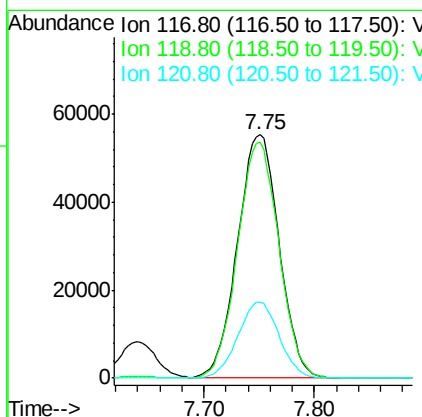
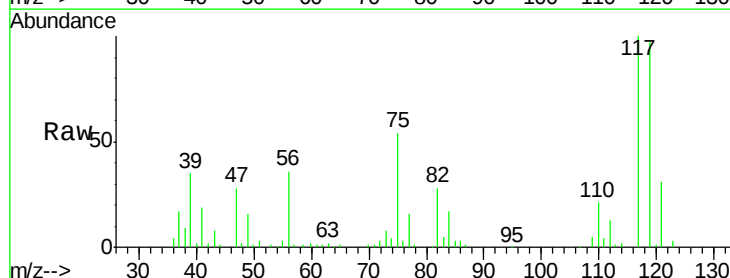
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#38  
Carbon Tetrachloride  
Concen: 48.482 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.0  | 76.5  | 114.7 |
| 121     | 31.3  | 25.1  | 37.7  |





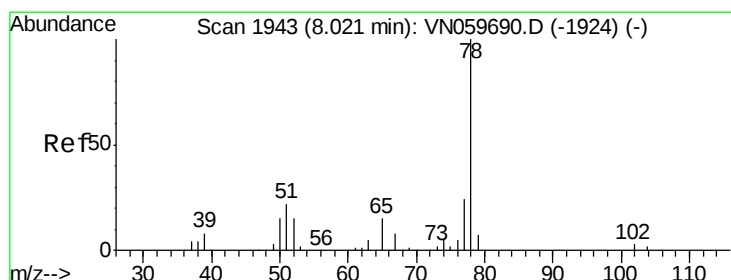
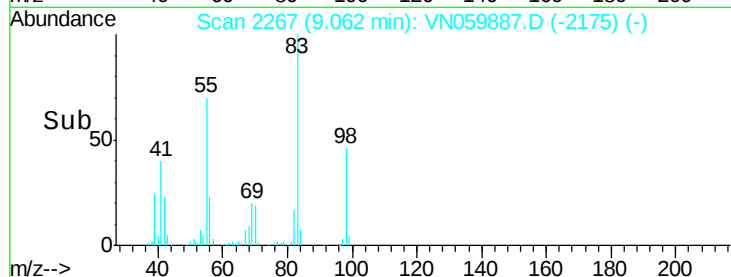
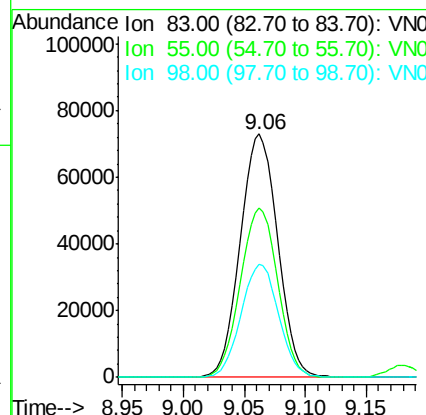
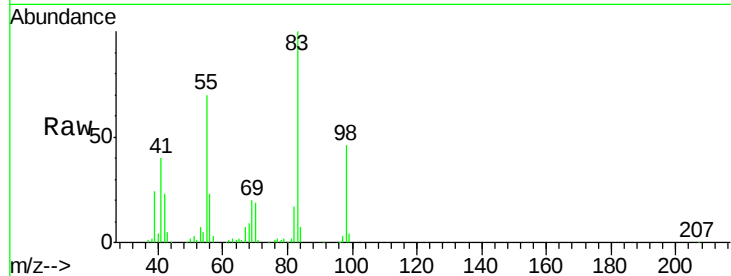
#39  
Methvlcvclohexane  
Concen: 45.808 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 69.5  | 64.2  | 96.2  |
| 98      | 46.3  | 35.9  | 53.9  |

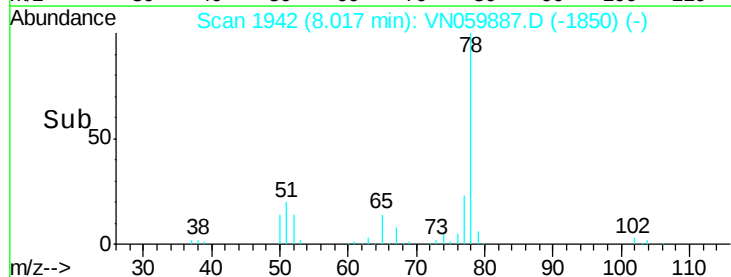
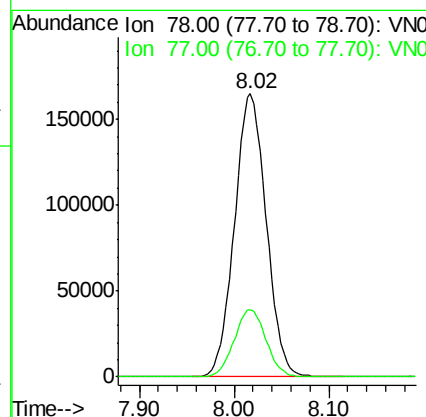
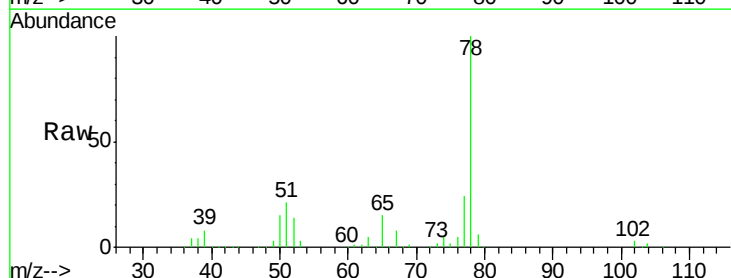
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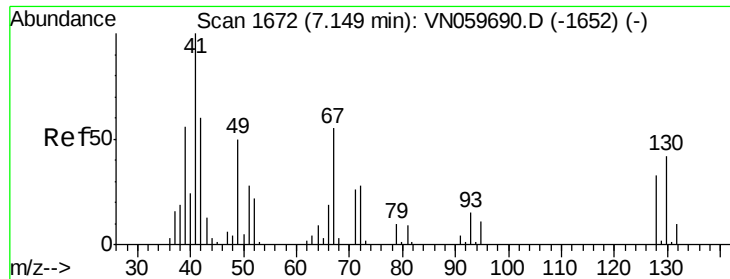
MMDadoda  
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#40  
Benzene  
Concen: 46.999 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 18.9  | 28.3  |





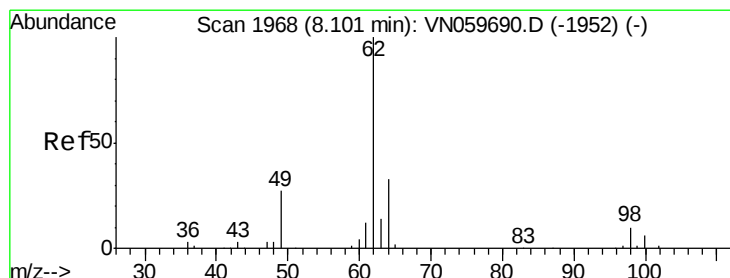
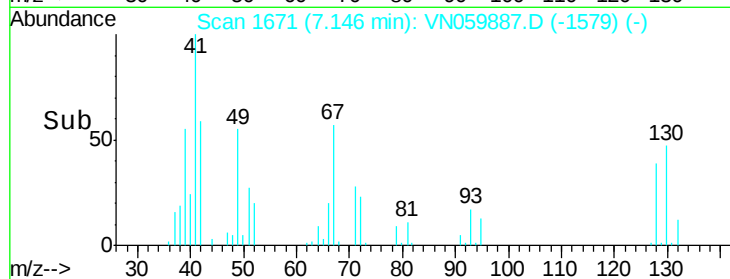
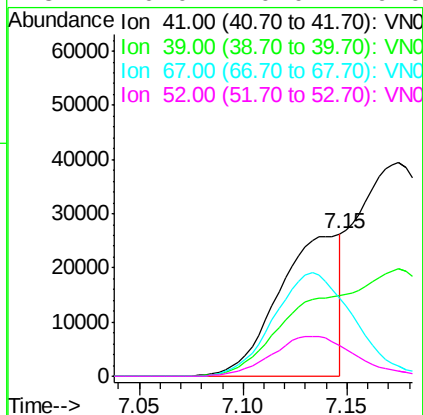
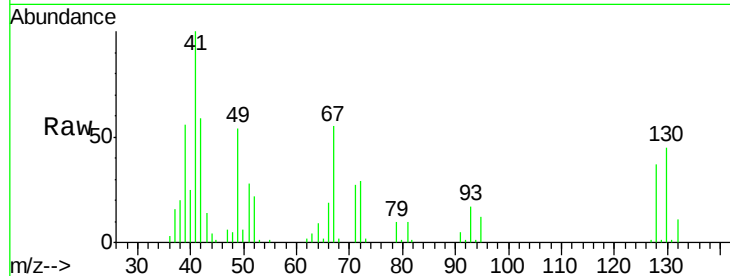
#41  
Methacrylonitrile  
Concen: 42.097 ug/l m  
RT: 7.15 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 41    | Resp  | 53403 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 168.0 | 0.0   | 0.0#  |
| 67      | 0.0   | 0.0   | 0.0   |
| 52      | 0.0   | 0.0   | 0.0   |

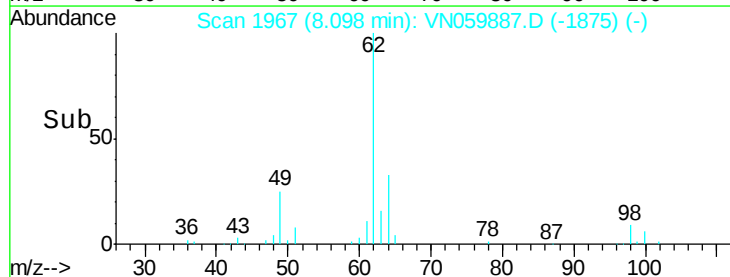
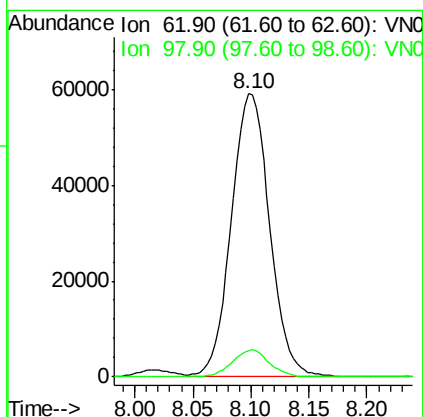
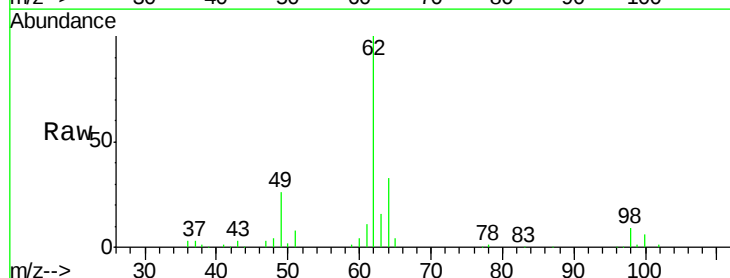
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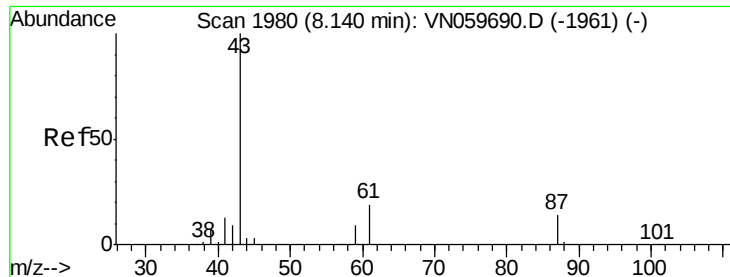
MMDadoda  
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#42  
1,2-Dichloroethane  
Concen: 48.609 ug/l  
RT: 8.10 min Scan# 1967  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion | 62    | Resp  | 134971 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 9.3   | 0.0   | 15.8   |





#43

Isopropyl Acetate

Concen: 46.280 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

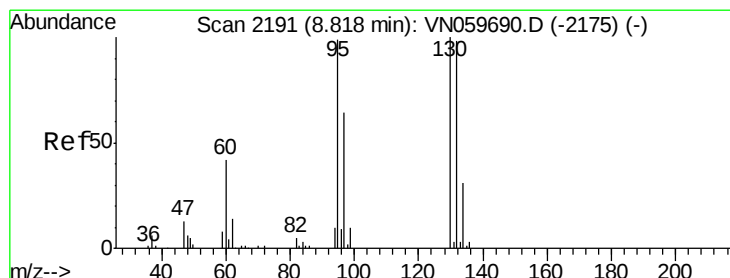
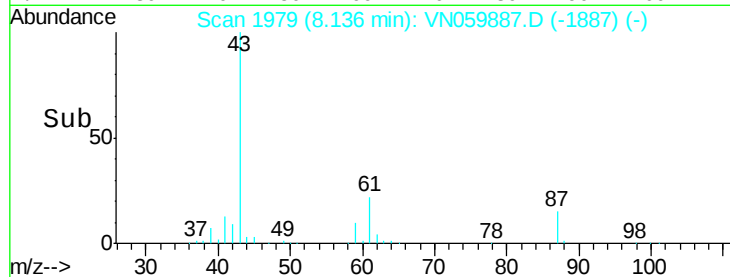
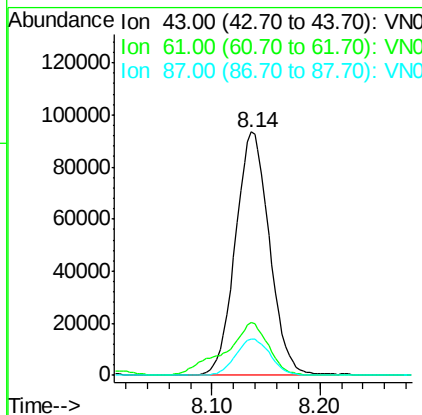
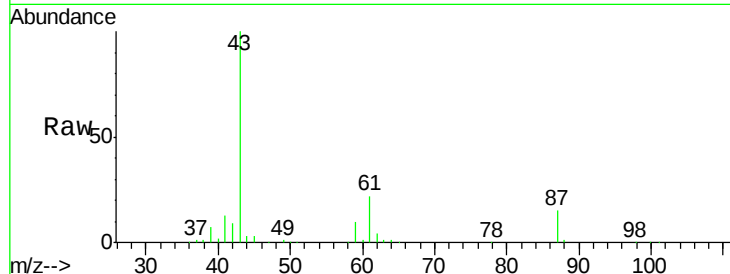
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 205016 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 27.7  | 20.2  | 30.2   |
| 87       | 15.3  | 9.5   | 14.3#  |

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#44

Trichloroethene

Concen: 50.686 ug/l

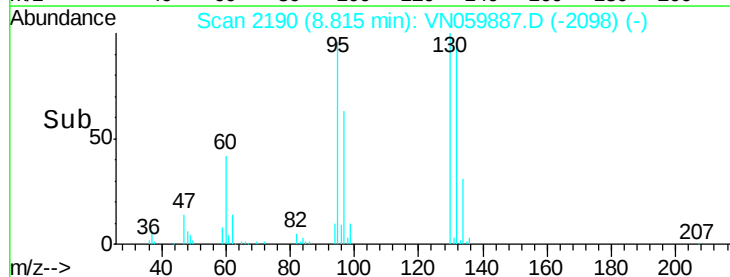
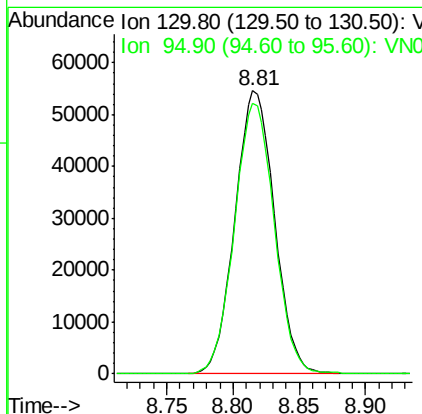
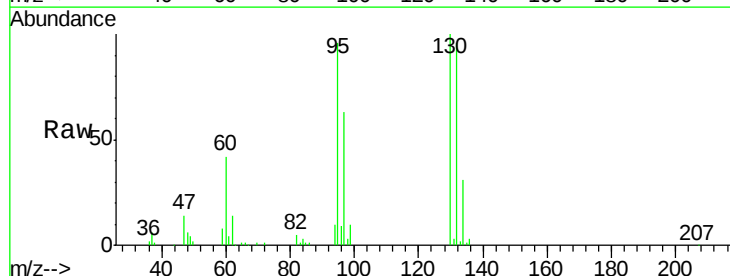
RT: 8.81 min Scan# 2190

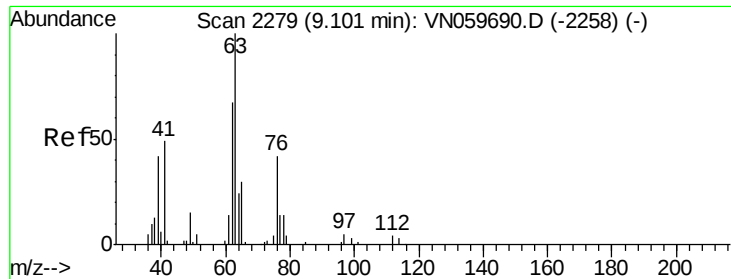
Delta R.T. -0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 113316 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 95.7  | 0.0   | 207.0  |





#45

1,2-Dichloropropane

Concen: 48.853 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 98999

Ion Ratio Lower Upper

63 100

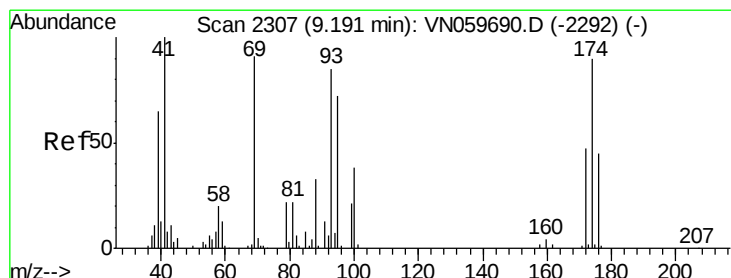
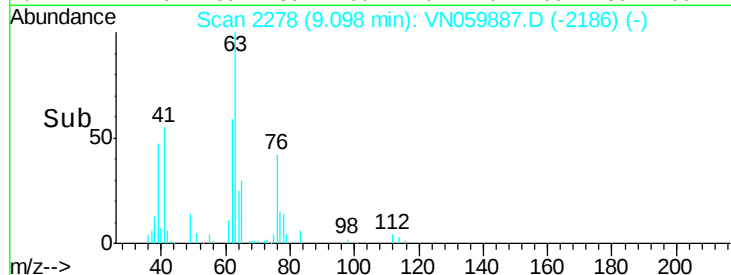
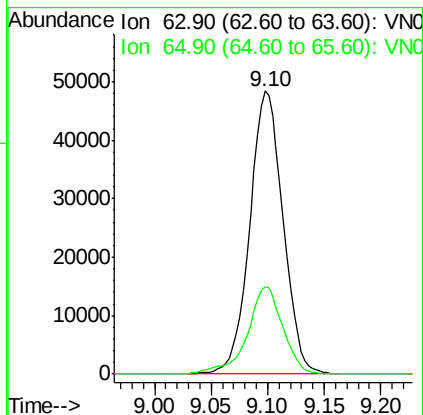
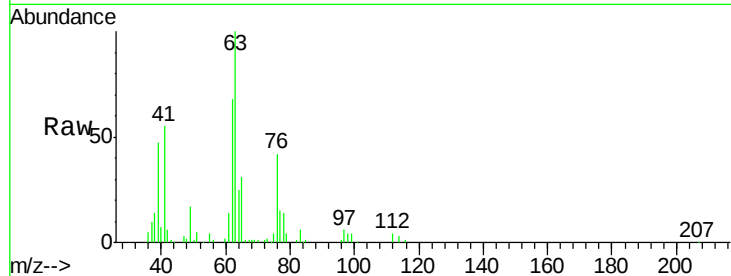
65 31.0 24.9 37.3

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#46

Dibromomethane

Concen: 49.109 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

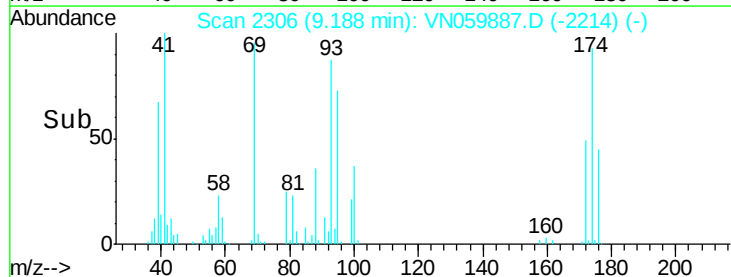
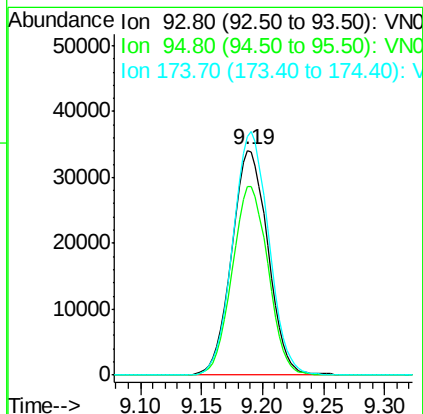
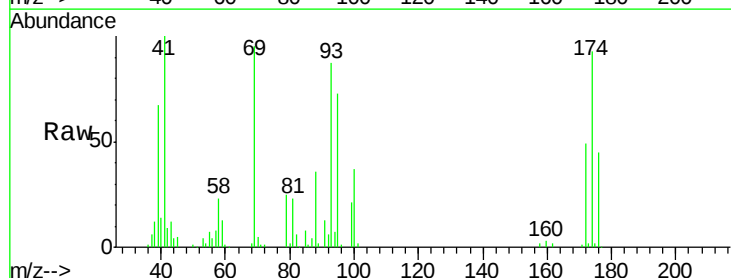
Tgt Ion: 93 Resp: 70201

Ion Ratio Lower Upper

93 100

95 83.2 67.0 100.6

174 107.2 73.4 110.2





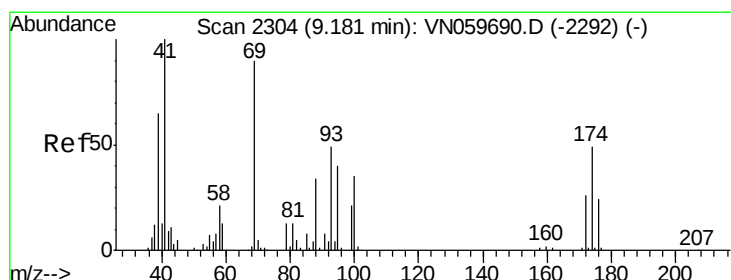
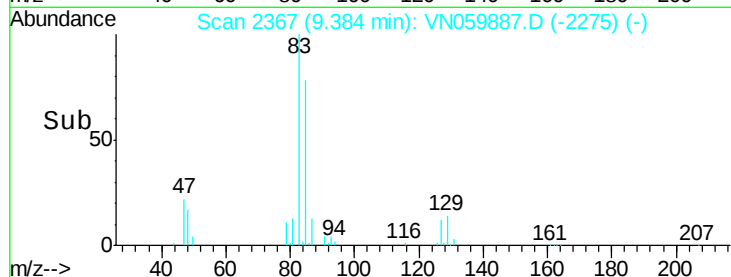
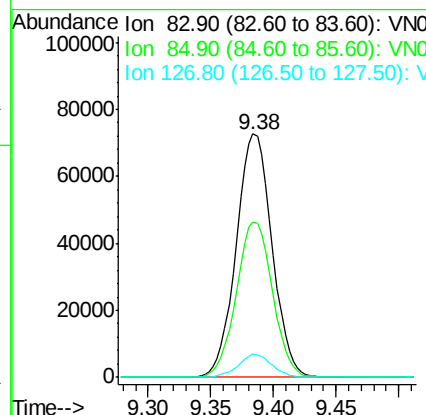
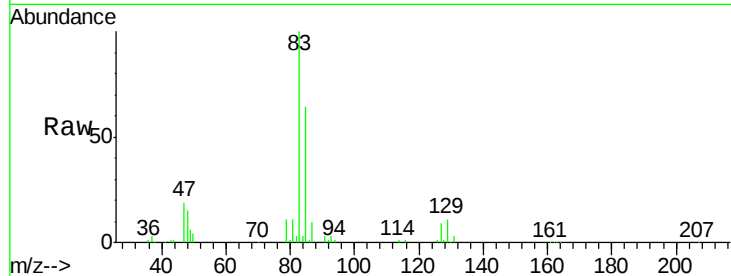
#47  
Bromodichloromethane  
Concen: 50.061 ug/l  
RT: 9.38 min Scan# 2367  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 83   | Resp | 144209 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| 85        | 64.0 | 51.1 | 76.7   |
| 127       | 9.4  | 6.6  | 9.8    |

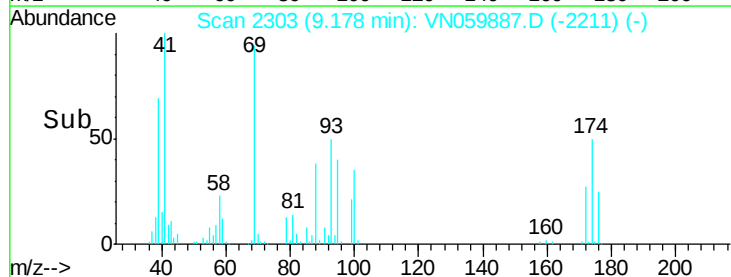
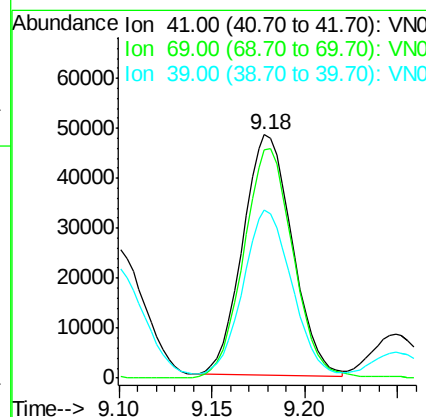
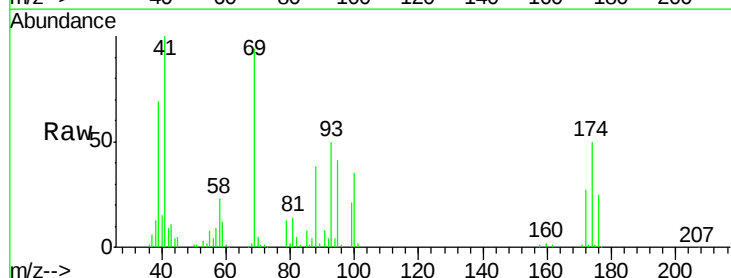
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#48  
Methyl methacrylate  
Concen: 45.072 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion   | 41   | Resp | 89309 |
|-----------|------|------|-------|
| Ion Ratio | 100  |      |       |
| 69        | 95.6 | 64.4 | 96.6  |
| 39        | 67.1 | 51.3 | 76.9  |





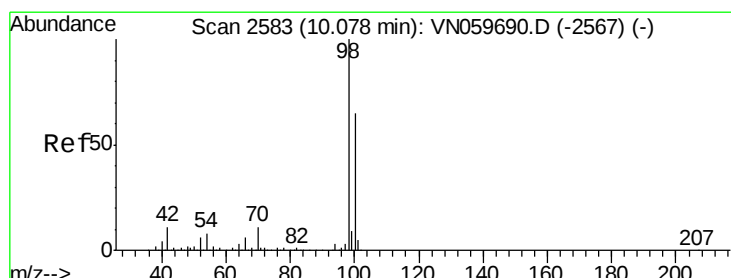
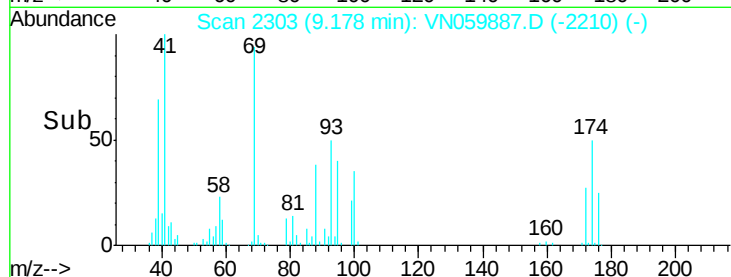
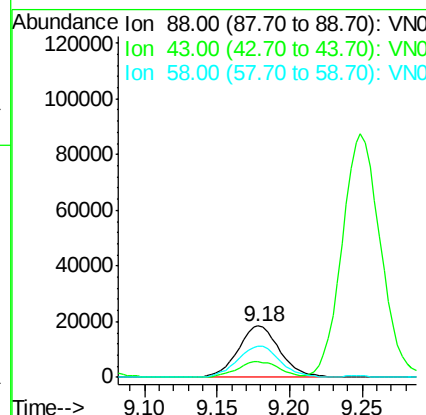
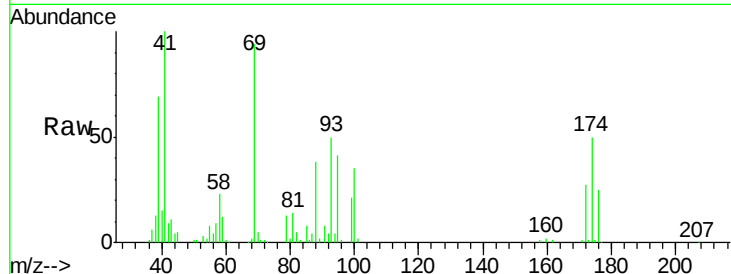
#49  
1,4-Dioxane  
Concen: 1022.029 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 31.2  | 29.7  | 44.5  |
| 58      | 61.1  | 56.6  | 85.0  |

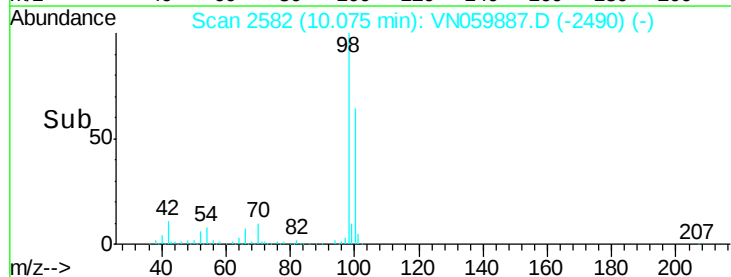
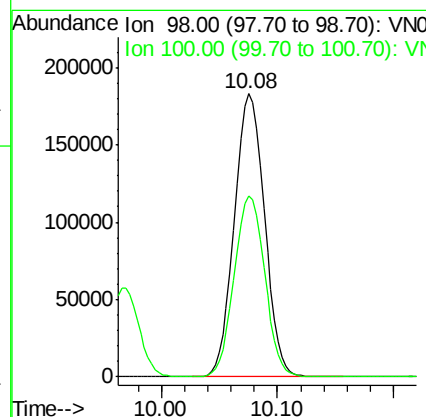
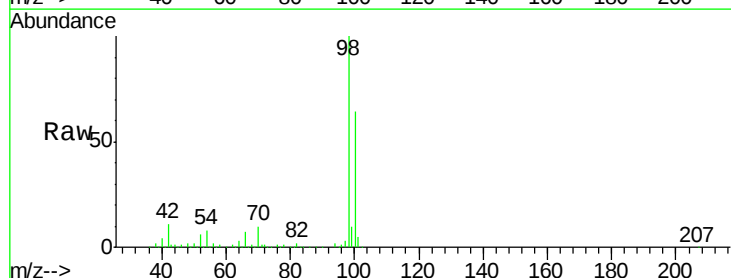
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#50  
Toluene-d8  
Concen: 45.368 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.7  | 51.2  | 76.8  |





#51

4-Methyl-2-Pentanone

Concen: 231.571 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 593005

Ion Ratio Lower Upper

43 100

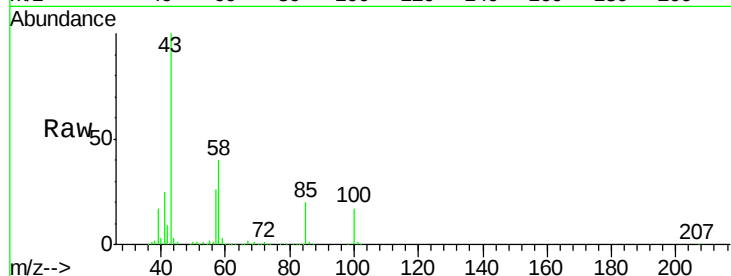
58 40.9 29.8 44.8

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Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-2528) (-)

9.97

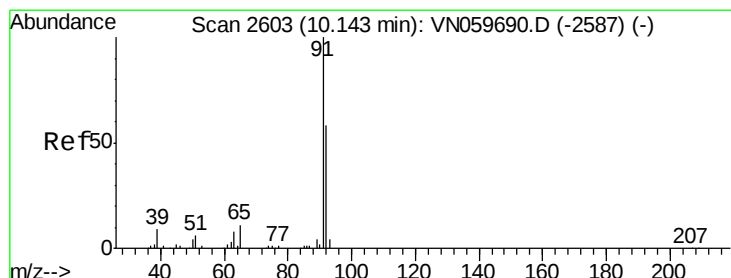
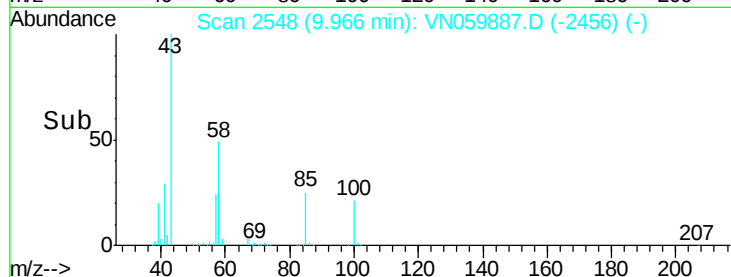
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.448 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN059887.D

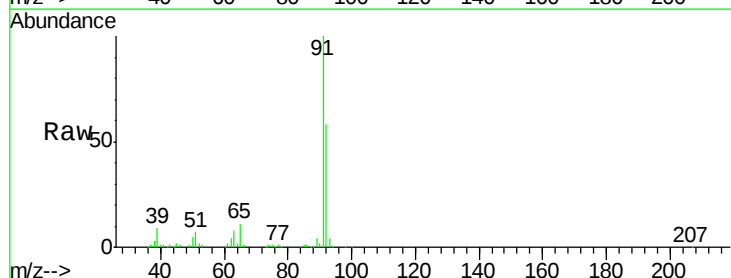
Acq: 28 Jan 2020 10:26

Tgt Ion: 92 Resp: 250615

Ion Ratio Lower Upper

92 100

91 175.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059690.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059690.D (-2587) (-)

10.14

250000

200000

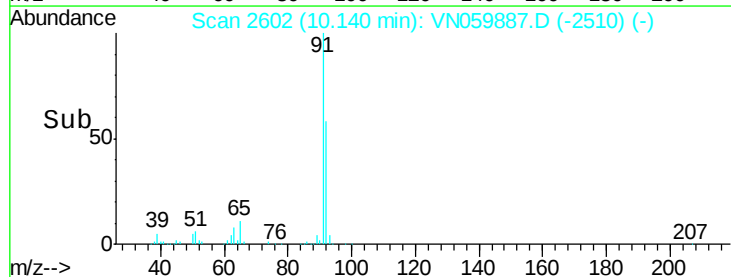
150000

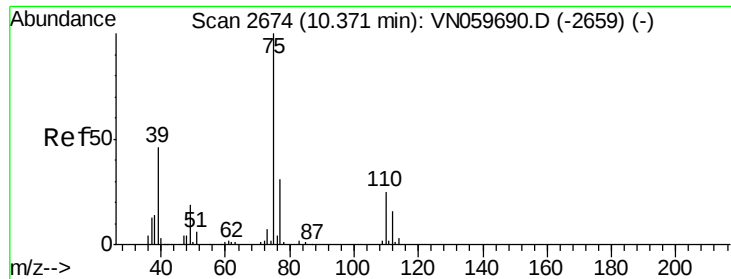
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.102 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 161154

Ion Ratio Lower Upper

75 100

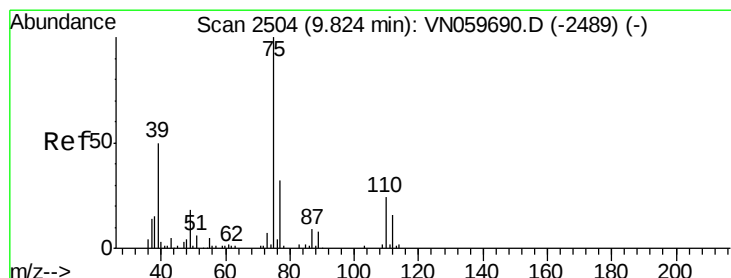
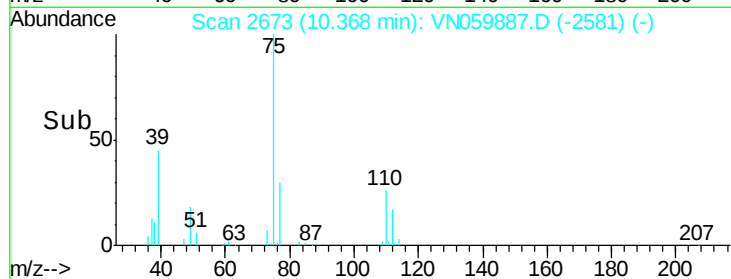
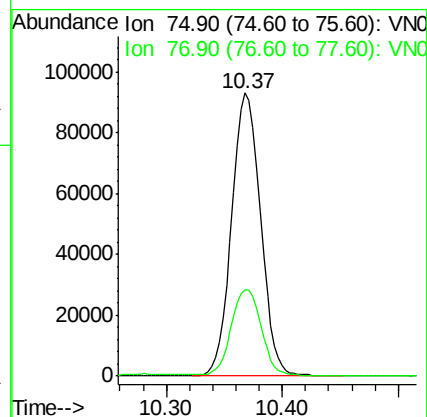
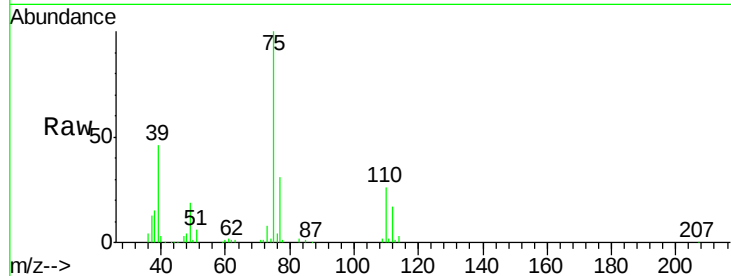
77 30.4 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 50.152 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

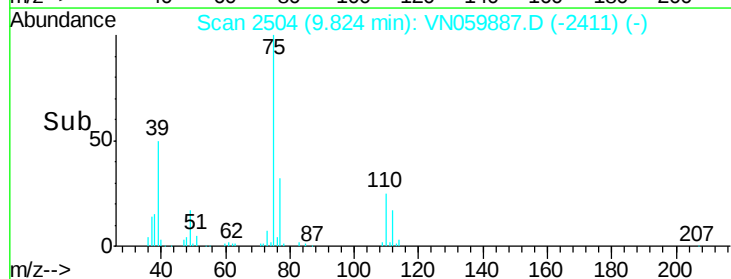
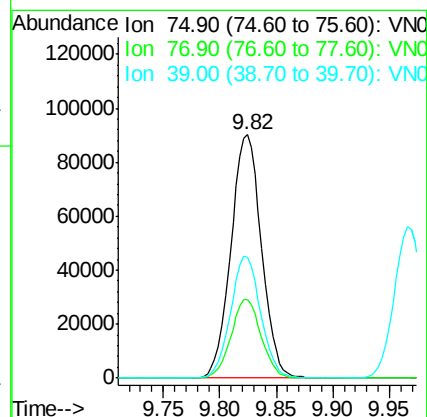
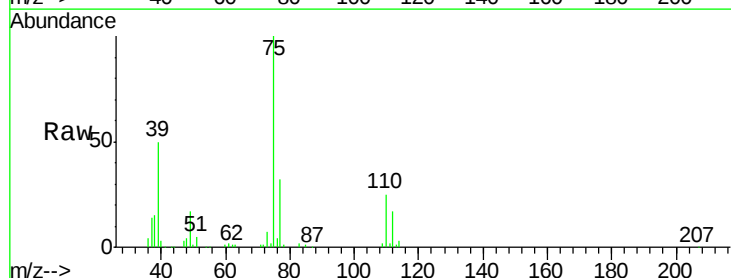
Tgt Ion: 75 Resp: 169731

Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7

39 49.7 46.1 69.1





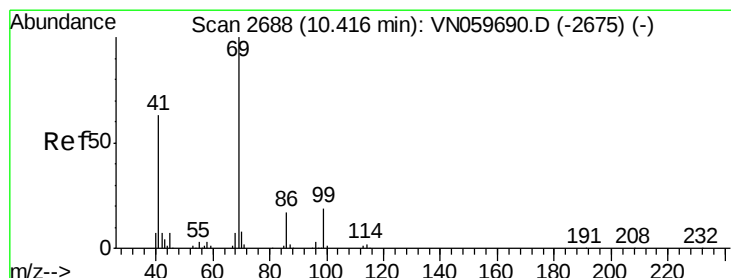
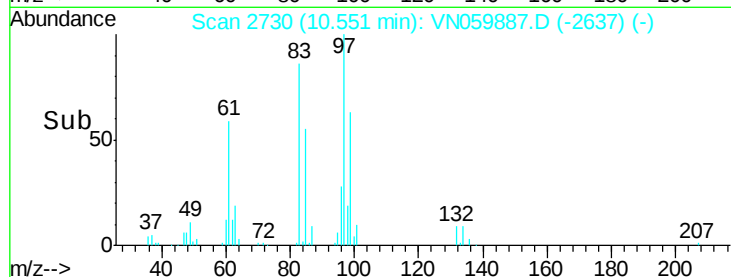
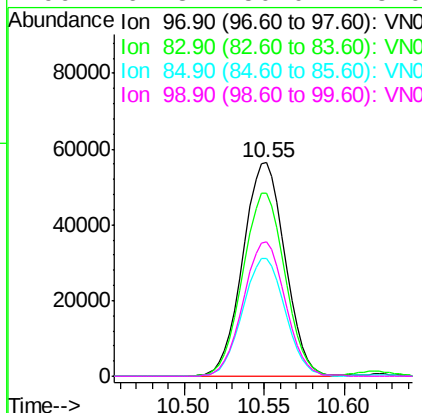
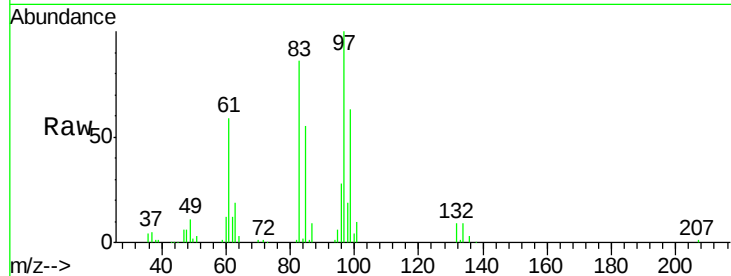
#55  
 1,1,2-Trichloroethane  
 Concen: 49.652 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. 0.00 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 101724 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.8  | 71.3  | 106.9  |
| 85       | 55.3  | 45.8  | 68.8   |
| 99       | 62.8  | 50.0  | 75.0   |

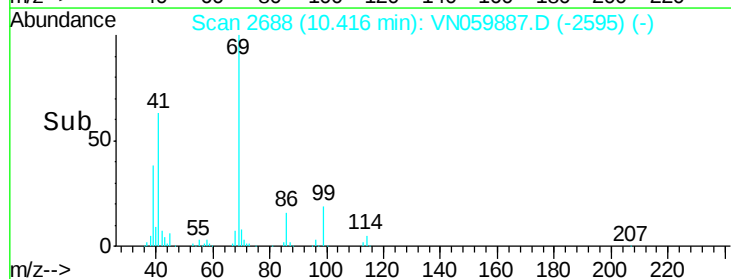
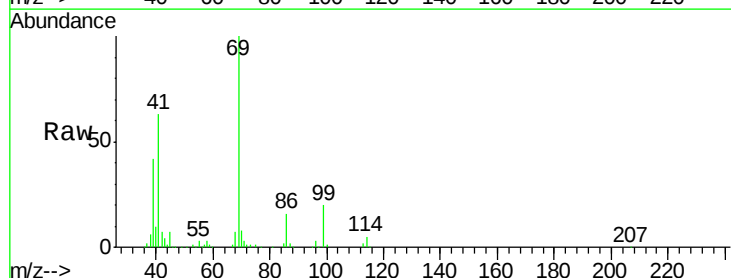
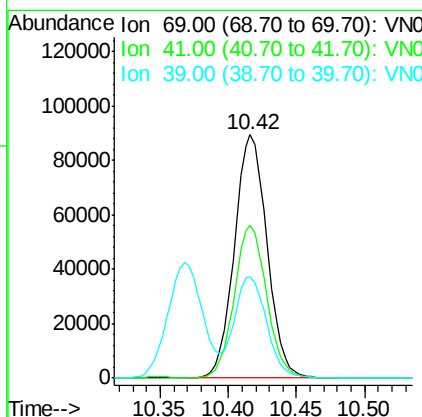
Manual Integrations  
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#56  
 Ethyl methacrylate  
 Concen: 47.450 ug/l  
 RT: 10.42 min Scan# 2688  
 Delta R.T. 0.00 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 148543 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 61.6  | 57.1  | 85.7   |
| 39       | 41.5  | 34.7  | 52.1   |





#57

1,3-Dichloropropane

Concen: 50.245 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 163429

Ion Ratio Lower Upper

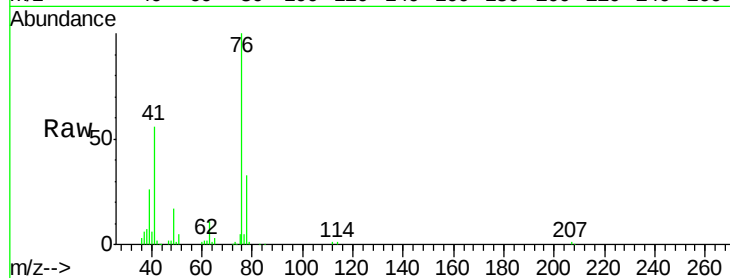
76 100

78 32.0 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

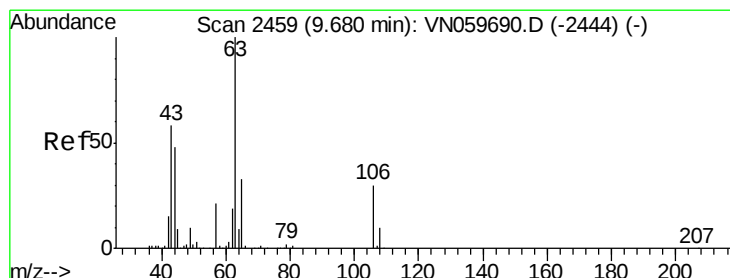
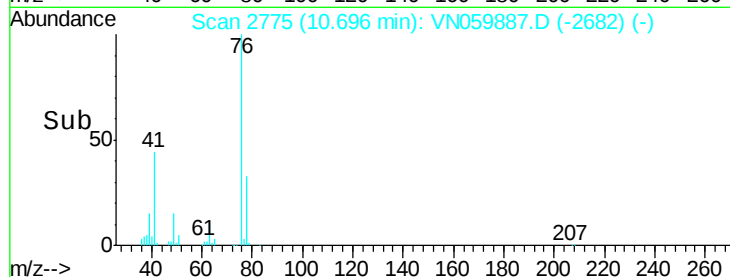
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 238.784 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059887.D

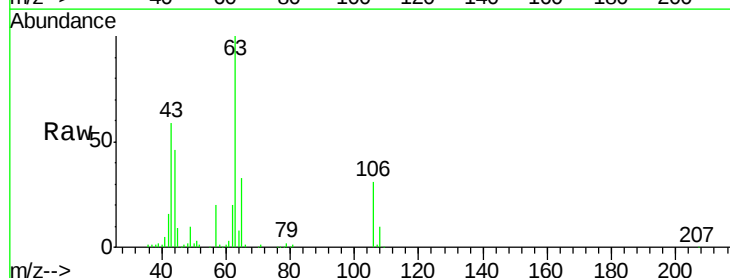
Acq: 28 Jan 2020 10:26

Tgt Ion: 63 Resp: 225152

Ion Ratio Lower Upper

63 100

106 30.4 20.2 30.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

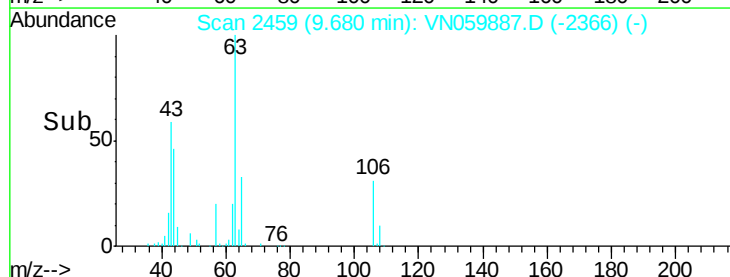
150000

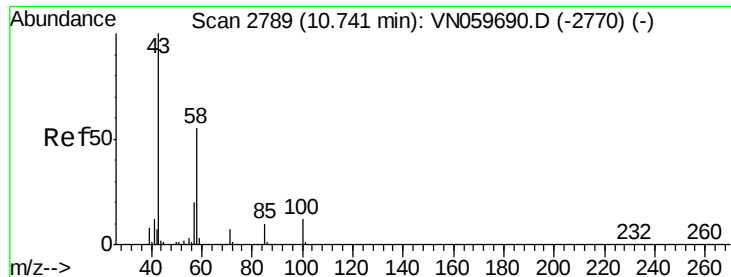
100000

50000

0

Time--> 9.60 9.65 9.70 9.75





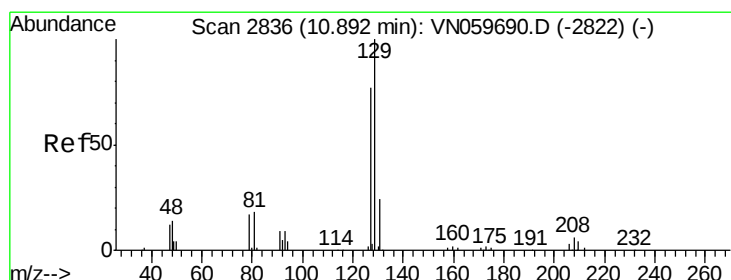
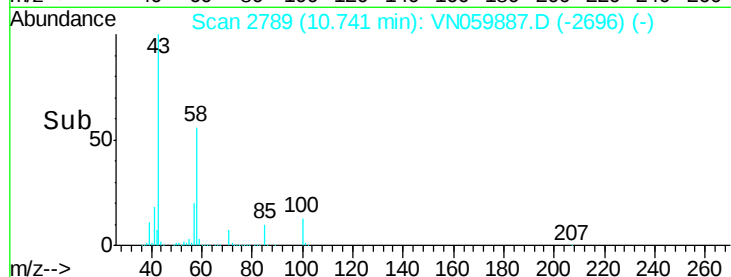
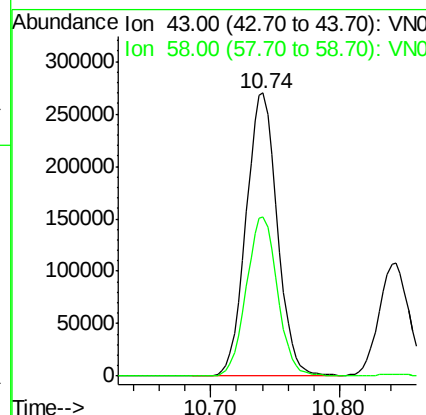
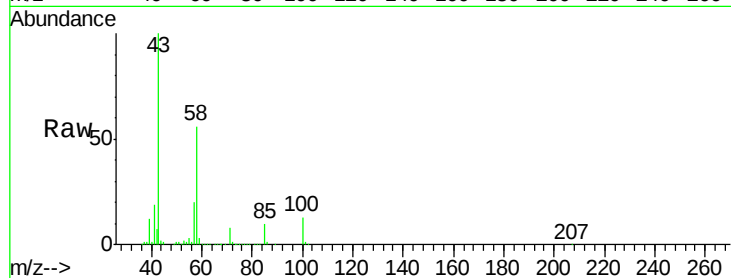
#59  
2-Hexanone  
Concen: 240.497 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 453710  
Ion Ratio Lower Upper  
43 100  
58 56.3 25.8 77.3

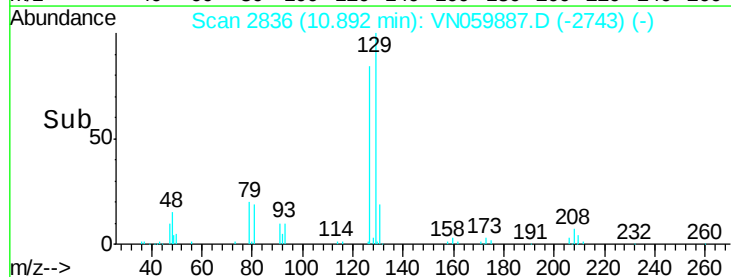
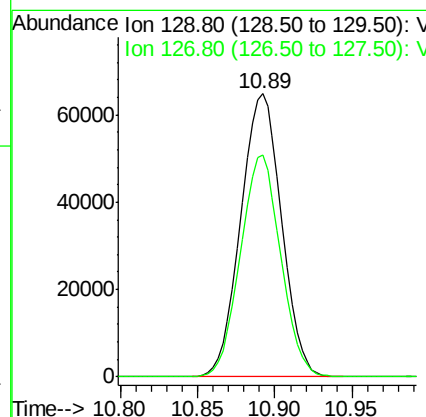
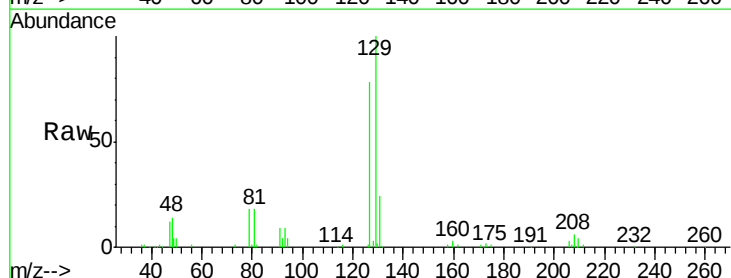
Manual Integrations  
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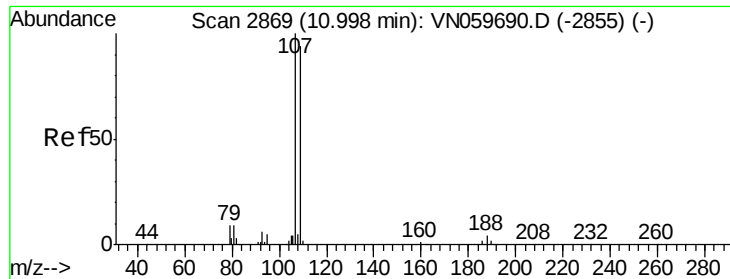
MMDadoda  
1/29/2020 11:04:06 AM



#60  
Dibromochloromethane  
Concen: 50.964 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Tgt Ion: 129 Resp: 118900  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.5 115.5





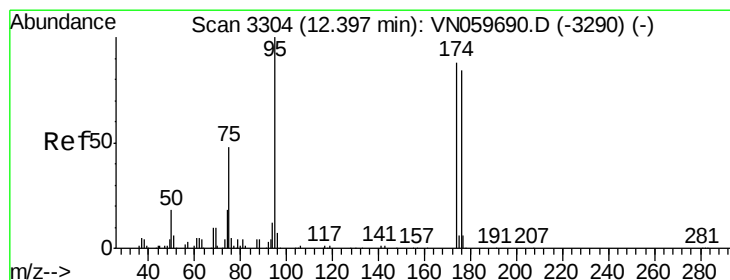
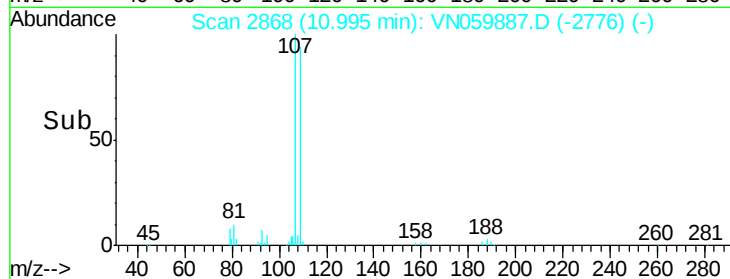
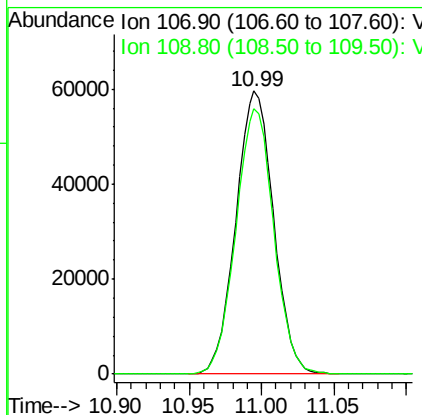
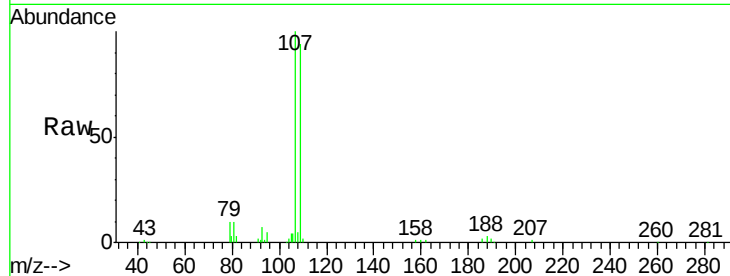
#61  
 1,2-Dibromoethane  
 Concen: 50.105 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. -0.00 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.2  | 76.6  | 115.0 |

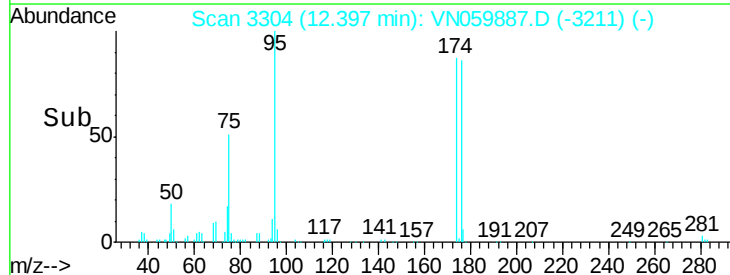
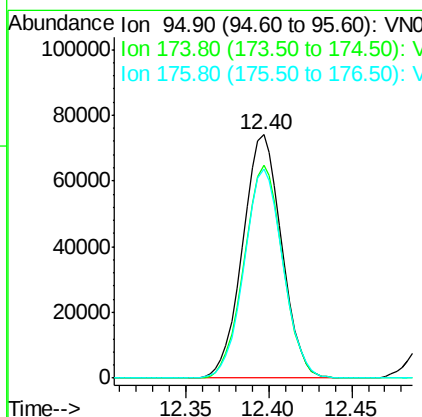
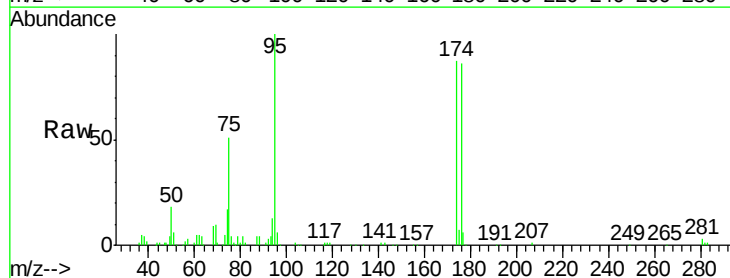
Manual Integrations  
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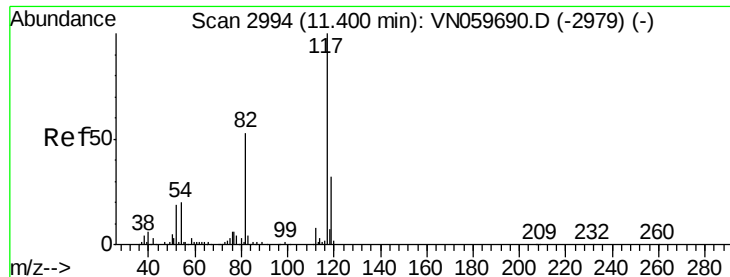
MMDadoda  
 1/29/2020 11:04:06 AM



#62  
 4-Bromofluorobenzene  
 Concen: 46.332 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. 0.00 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 86.6  | 0.0   | 151.4 |
| 176     | 85.0  | 0.0   | 146.0 |





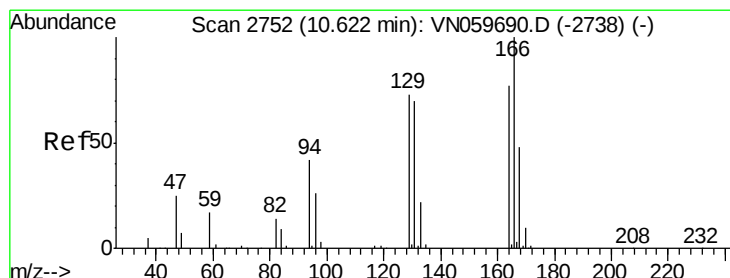
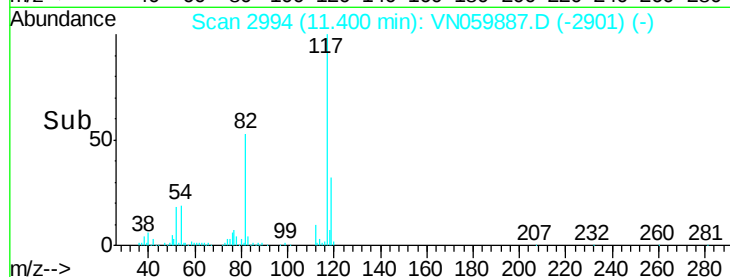
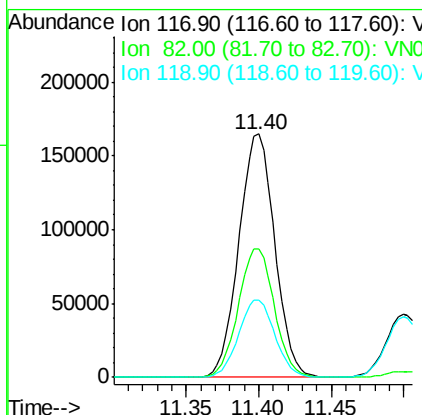
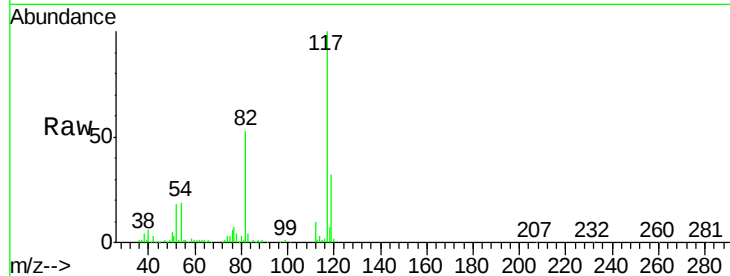
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 284295 |       |       |
| 82      | 52.9  |        | 45.9  | 68.9  |
| 119     | 31.7  |        | 25.5  | 38.3  |

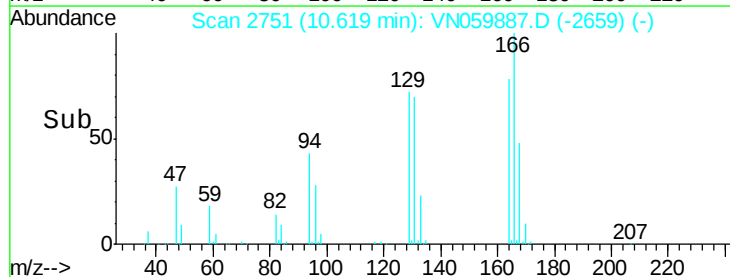
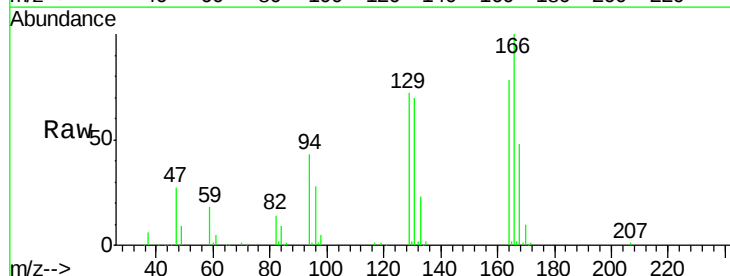
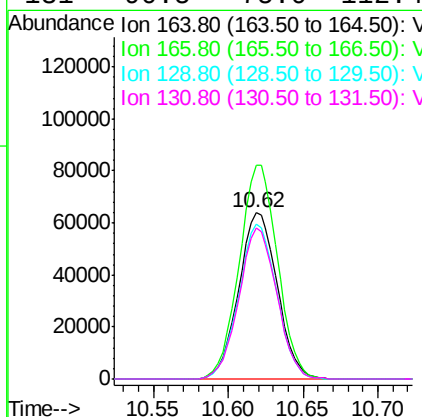
Manual Integrations  
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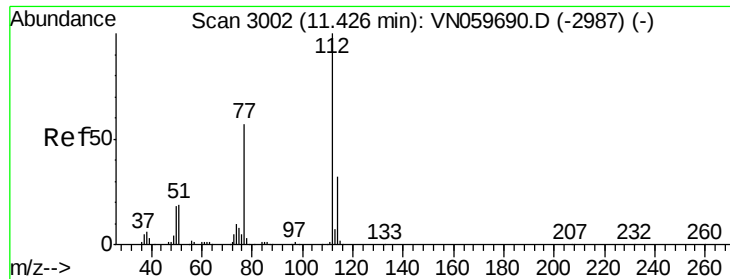
MMDadoda  
1/29/2020 11:04:06 AM



#64  
Tetrachloroethene  
Concen: 49.510 ug/l  
RT: 10.62 min Scan# 2751  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 114715 |       |       |
| 166     | 128.5 |        | 101.4 | 152.0 |
| 129     | 93.0  |        | 80.2  | 120.4 |
| 131     | 90.5  |        | 75.0  | 112.4 |





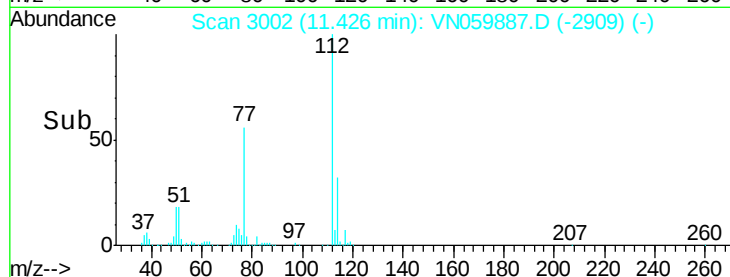
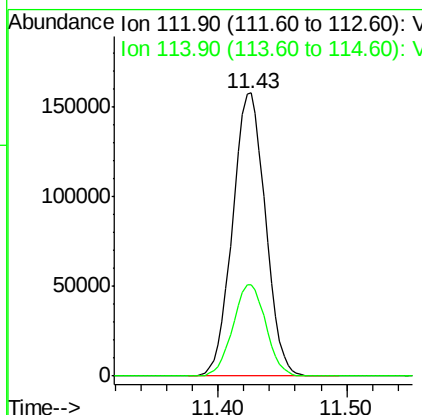
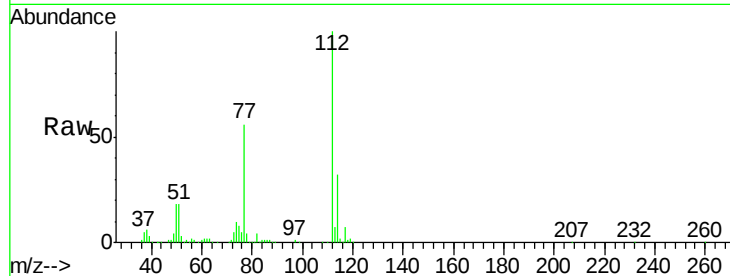
#65  
Chlorobenzene  
Concen: 50.023 ug/l  
RT: 11.43 min Scan# 3002  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.4  | 25.8  | 38.8  |

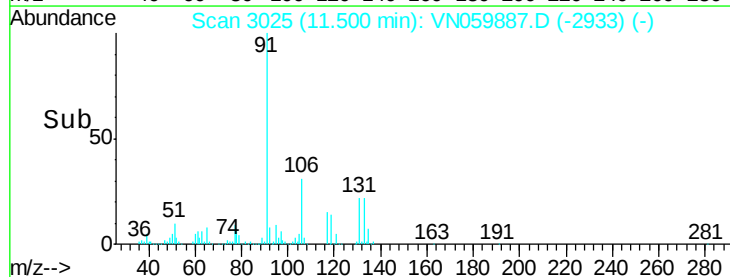
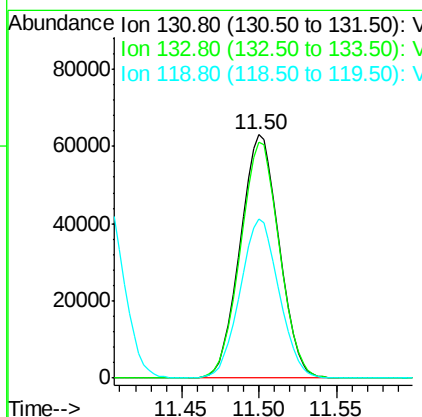
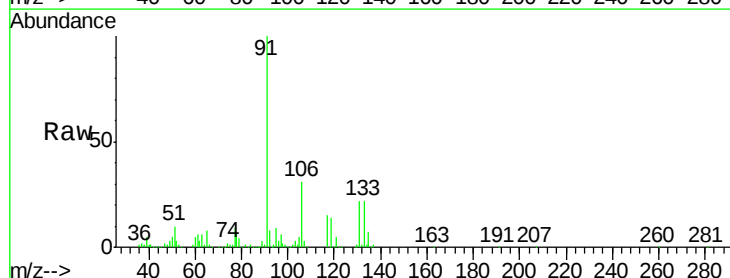
Manual Integrations  
APPROVED

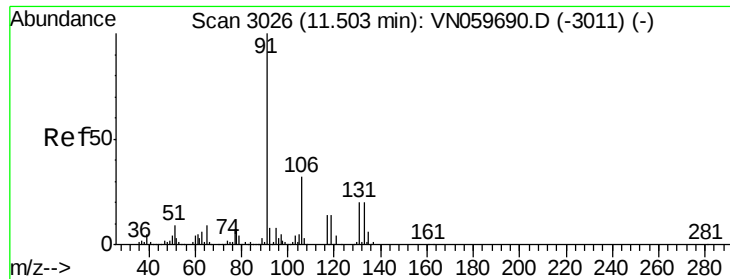
MMDadoda  
1/29/2020 11:04:06 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.041 ug/l  
RT: 11.50 min Scan# 3025  
Delta R.T. -0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 97.5  | 47.4  | 142.2 |
| 119     | 65.2  | 33.1  | 99.3  |





#67

Ethyl Benzene

Concen: 49.093 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 497988

Ion Ratio Lower Upper

91 100

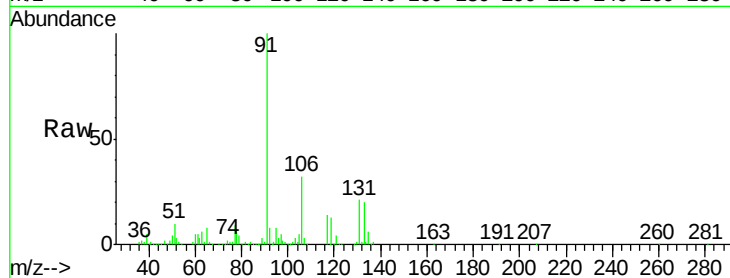
106 31.6 24.1 36.1

Manual Integrations

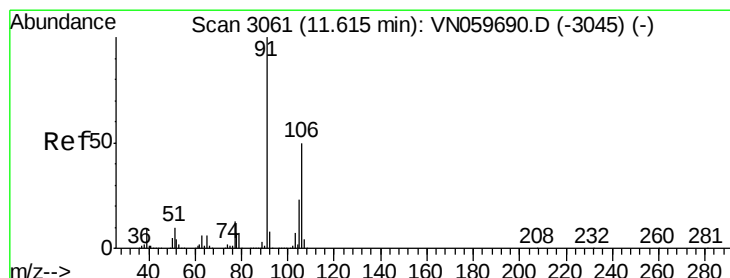
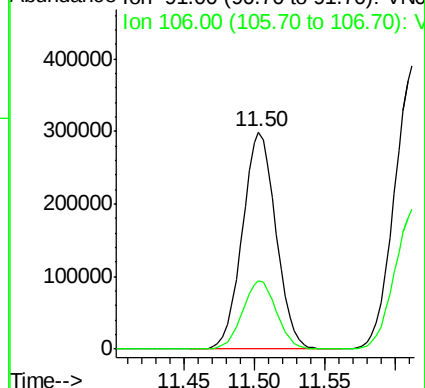
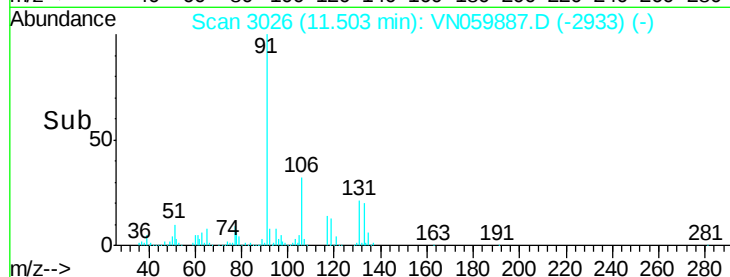
APPROVED

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1/29/2020 11:04:06 AM



Abundance Ion 91.00 (90.70 to 91.70): VN059887.D (-2933) (-)



#68

m/p-Xylenes

Concen: 98.536 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059887.D

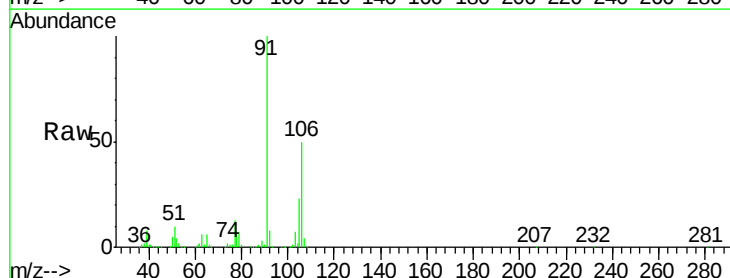
Acq: 28 Jan 2020 10:26

Tgt Ion: 106 Resp: 377564

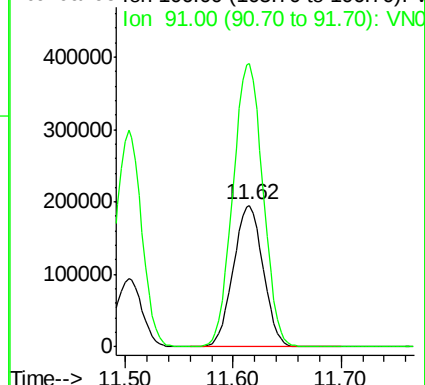
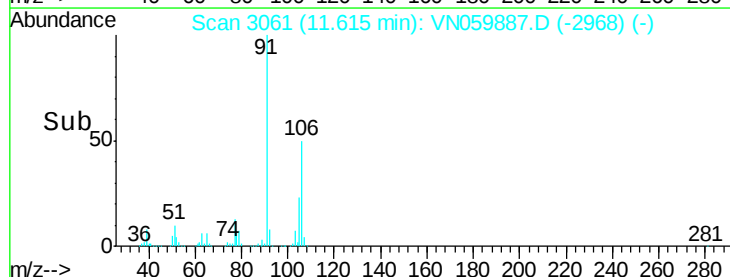
Ion Ratio Lower Upper

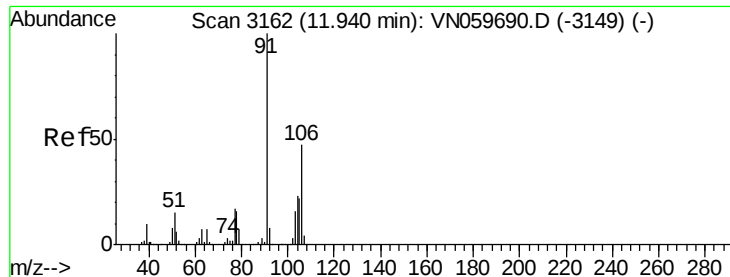
106 100

91 200.9 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059887.D (-2968) (-)





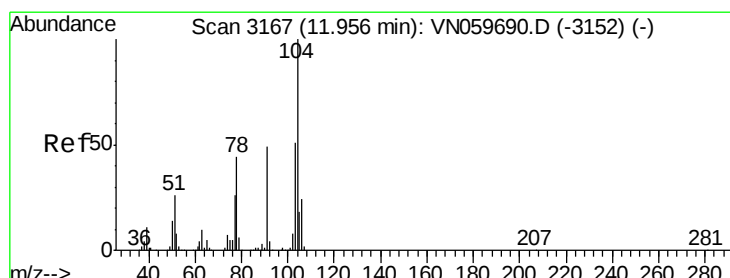
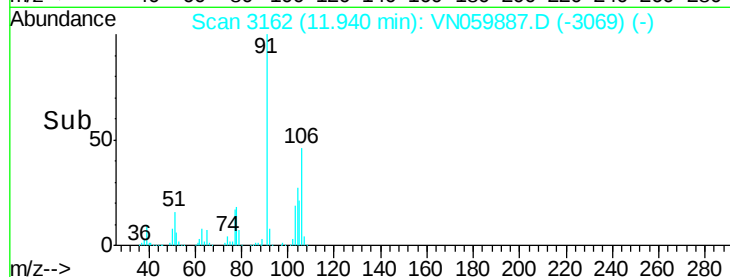
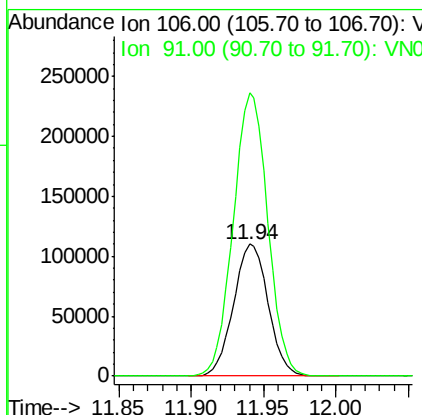
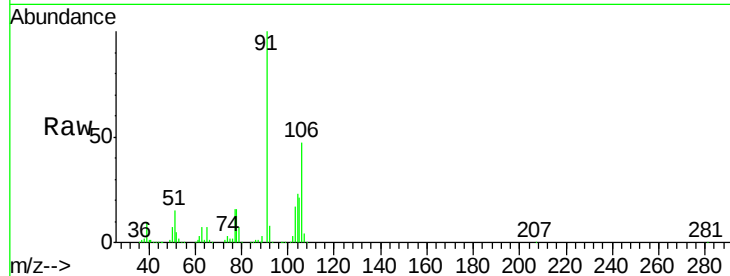
#69  
o-Xylene  
Concen: 48.738 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 213.5 | 110.3 | 330.9 |       |

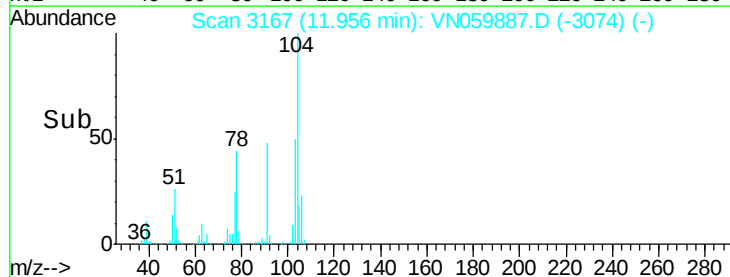
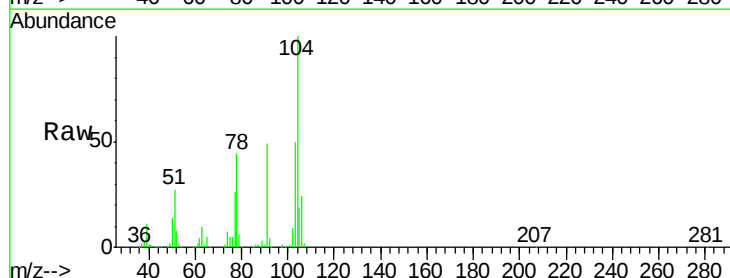
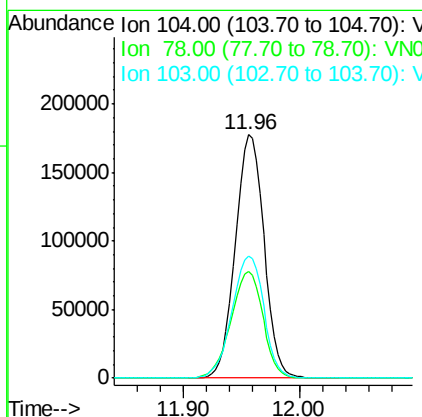
Manual Integrations  
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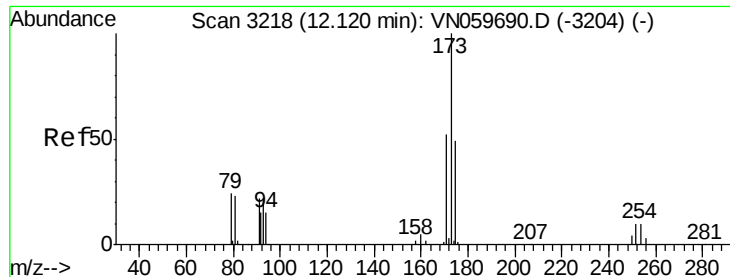
MMDadoda  
1/29/2020 11:04:06 AM



#70  
Styrene  
Concen: 48.654 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 48.7 | 42.4  | 63.6  |       |
| 103     | 55.9 | 43.9  | 65.9  |       |





#71

Bromoform

Concen: 52.868 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

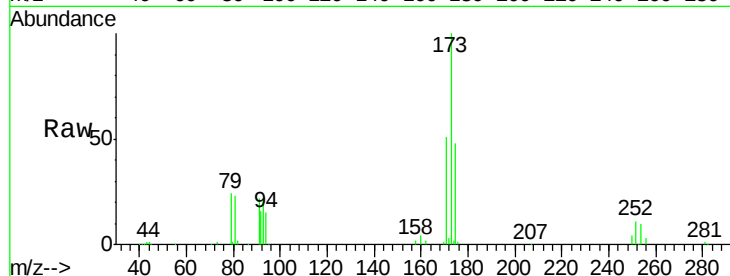
ClientSampleId :

VSTDCCC050

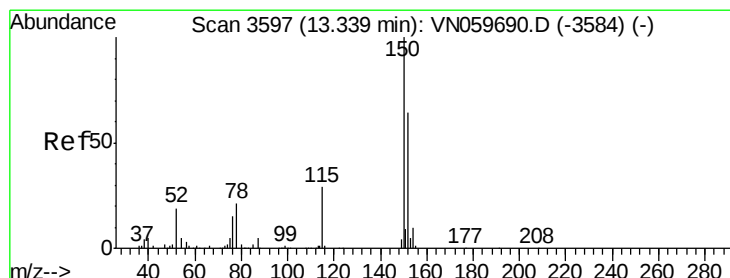
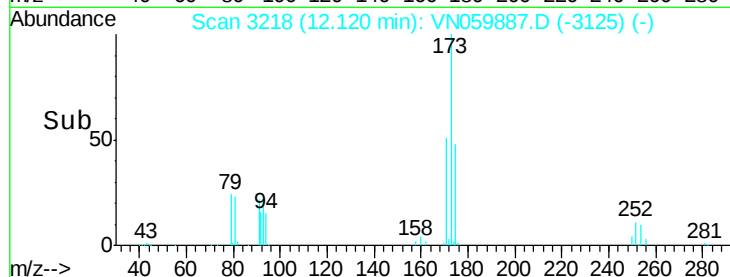
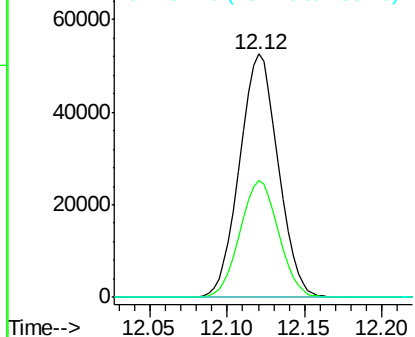
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 91437 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.1  | 23.8  | 71.4  |
| 254       | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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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

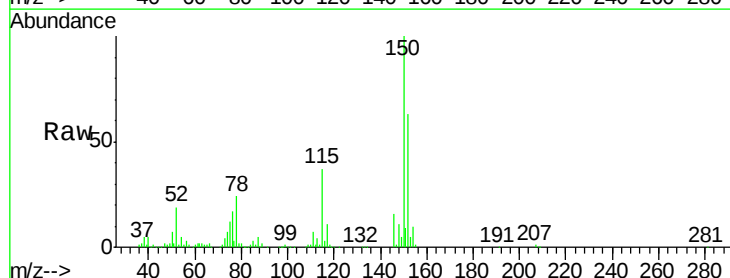
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

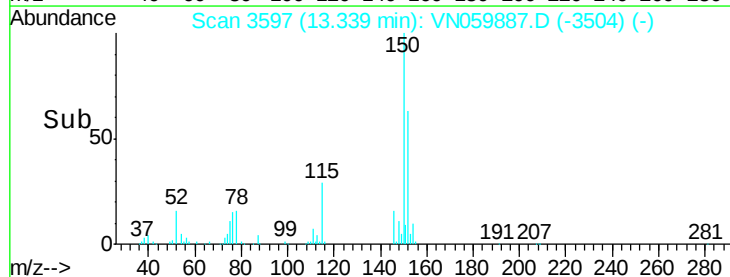
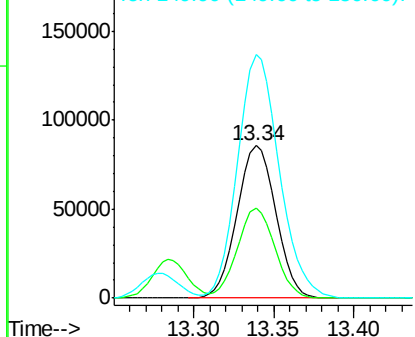
Lab File: VN059887.D

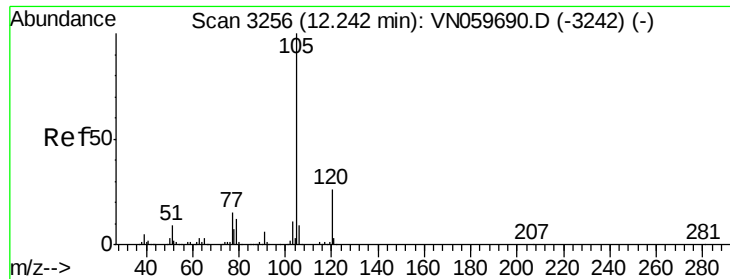
Acq: 28 Jan 2020 10:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 141466 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 57.2  | 30.3  | 90.9   |
| 150       | 172.5 | 0.0   | 345.2  |



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: 47.709 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 494986

Ion Ratio Lower Upper

105 100

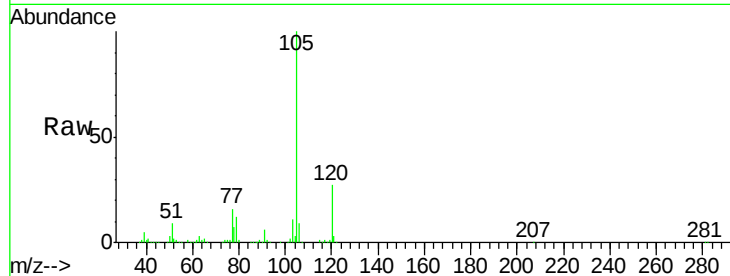
120 26.8 13.2 39.5

Manual Integrations

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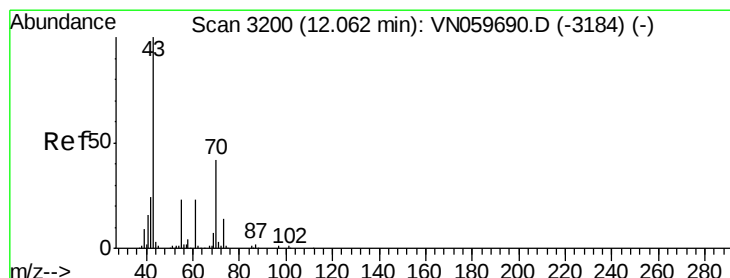
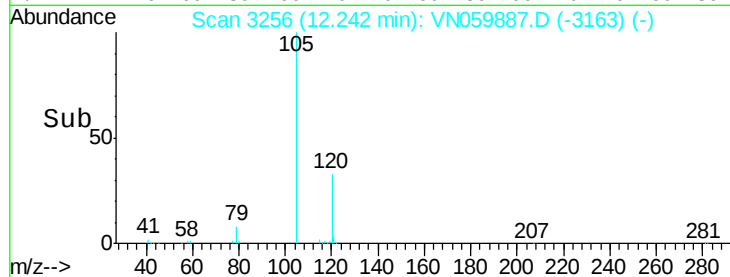
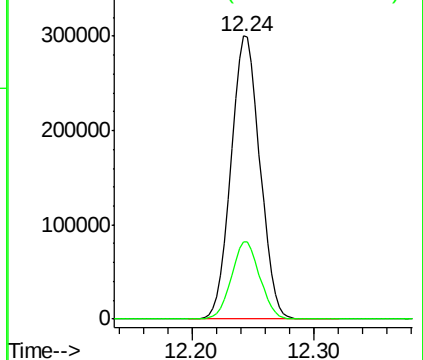
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.525 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Tgt Ion: 43 Resp: 179251

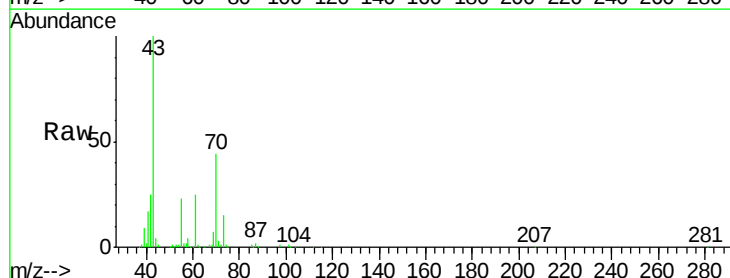
Ion Ratio Lower Upper

43 100

70 43.9 31.3 46.9

55 23.6 19.8 29.6

61 25.1 18.3 27.5

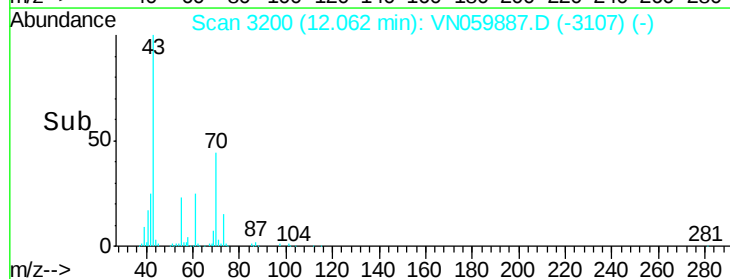
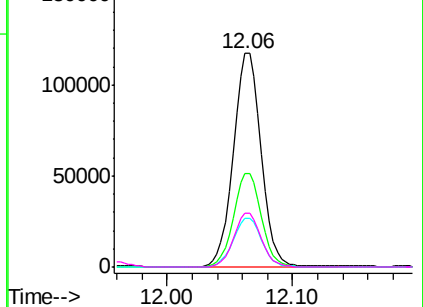


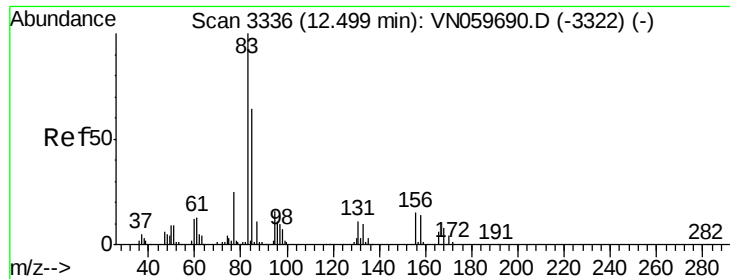
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.972 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 83 Resp: 141278

Ion Ratio Lower Upper

83 100

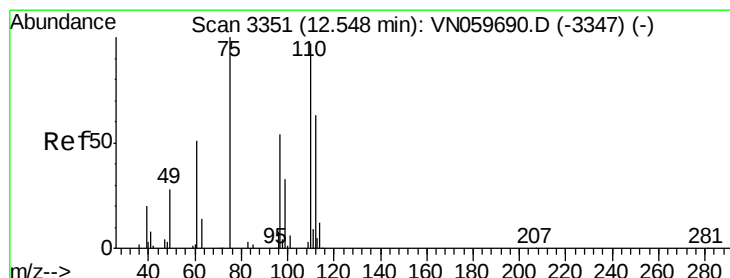
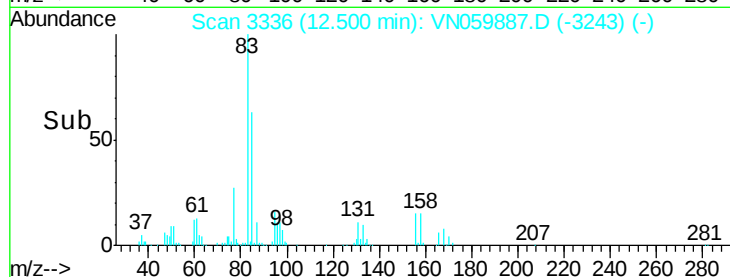
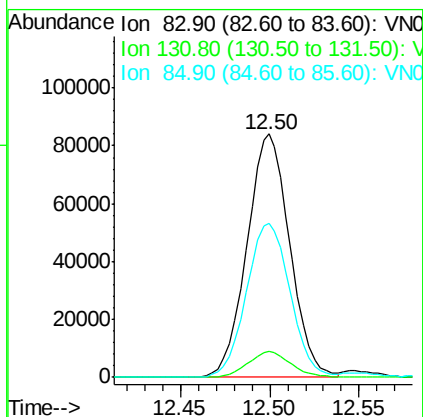
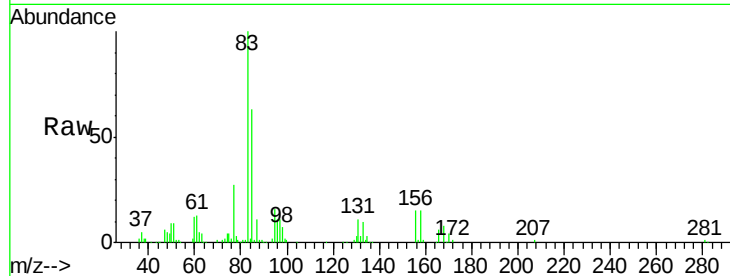
131 10.6 5.0 14.9

85 64.6 31.9 95.5

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 54.817 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059887.D

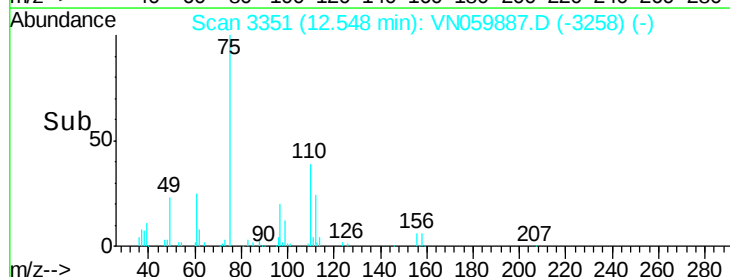
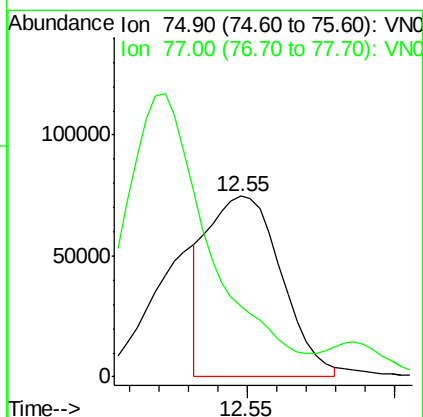
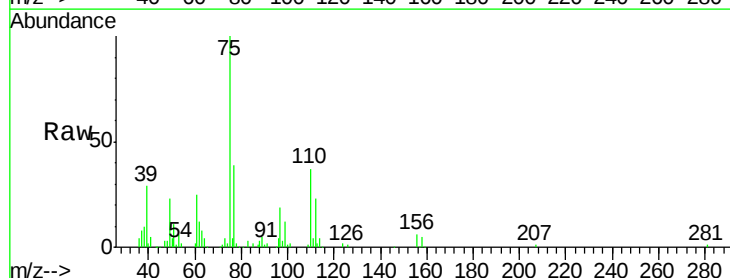
Acq: 28 Jan 2020 10:26

Tgt Ion: 75 Resp: 130504

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.727 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

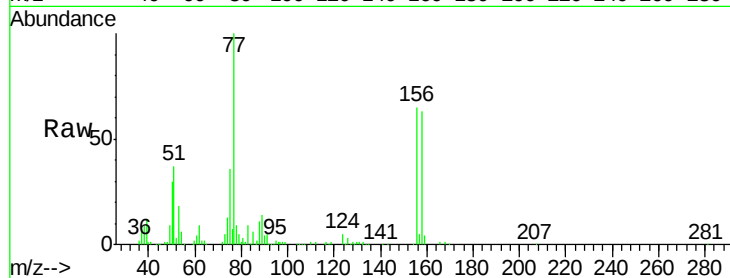
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 128024 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 187.6 | 115.8 | 347.4  |
| 158       | 96.7  | 49.2  | 147.6  |

Manual Integrations  
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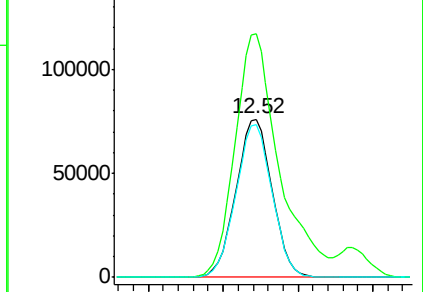
MMDadoda  
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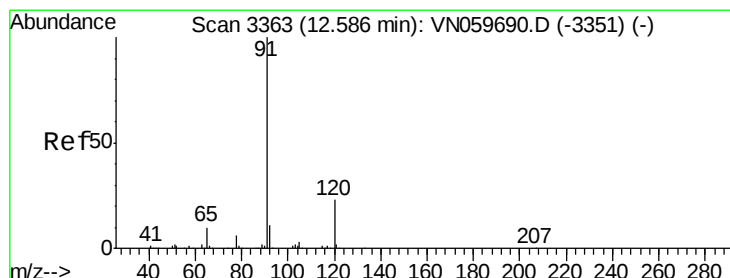
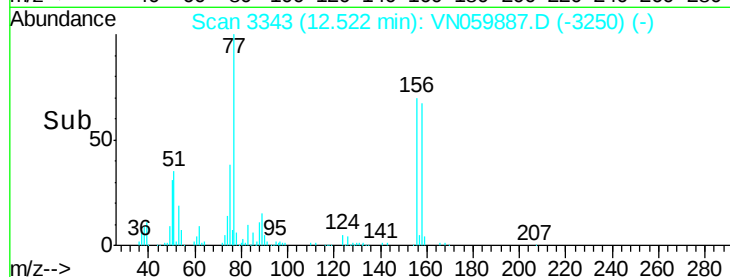
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 48.015 ug/l

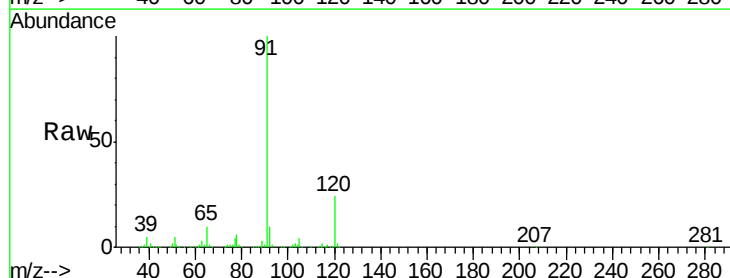
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059887.D

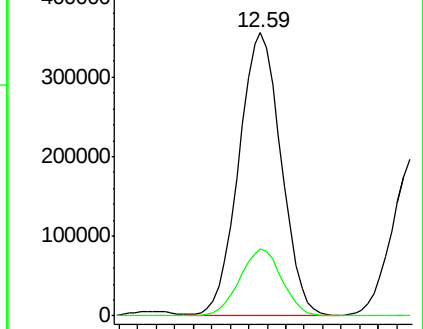
Acq: 28 Jan 2020 10:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 559133 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.7  | 11.1  | 33.3   |

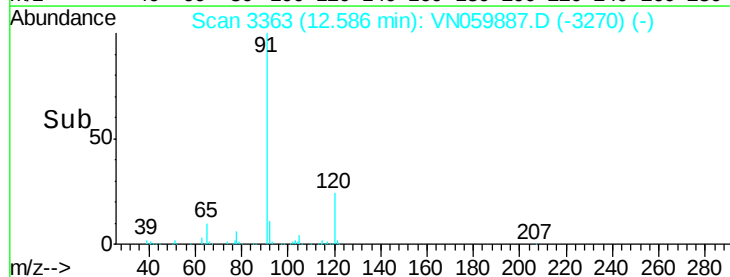


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 47.729 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 330647

Ion Ratio Lower Upper

91 100

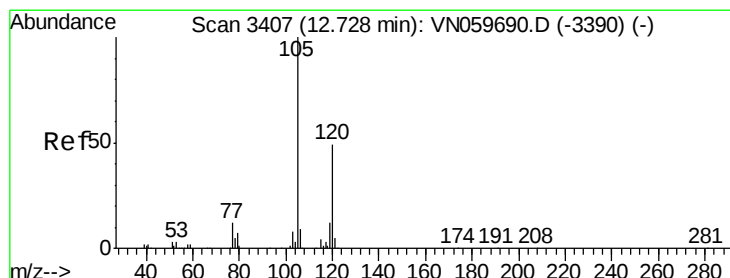
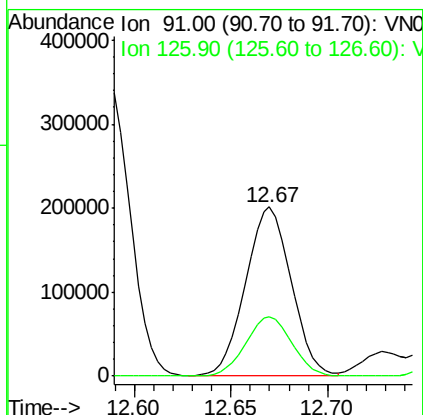
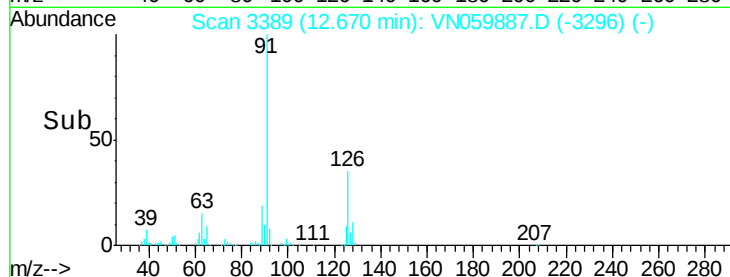
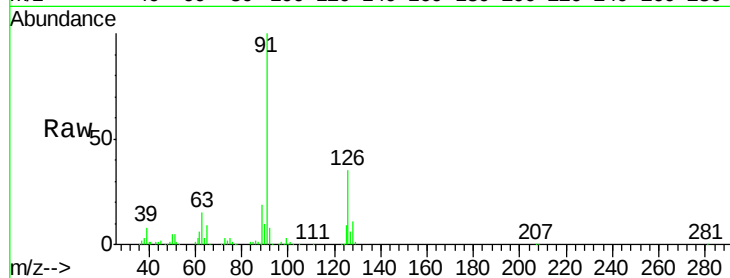
126 35.6 16.3 48.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.132 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059887.D

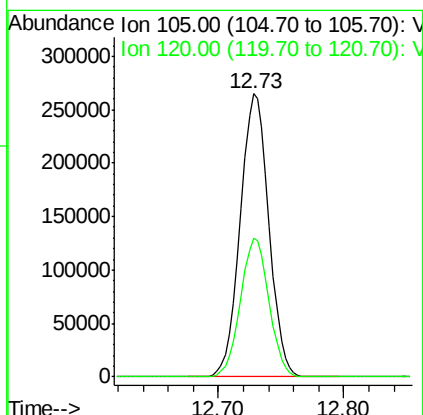
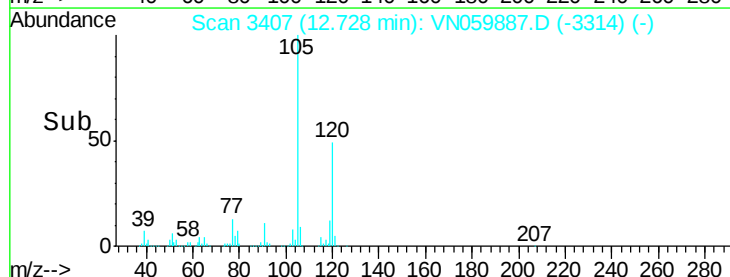
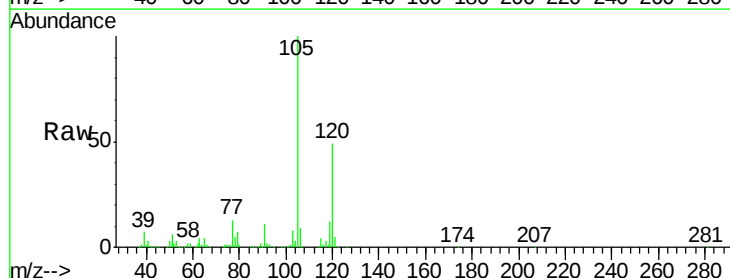
Acq: 28 Jan 2020 10:26

Tgt Ion: 105 Resp: 419975

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 48.604 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 53883

Ion Ratio Lower Upper

75 100

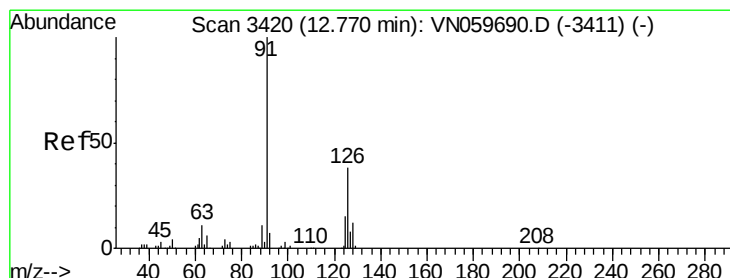
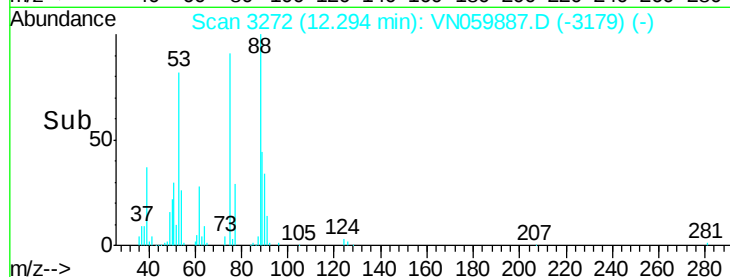
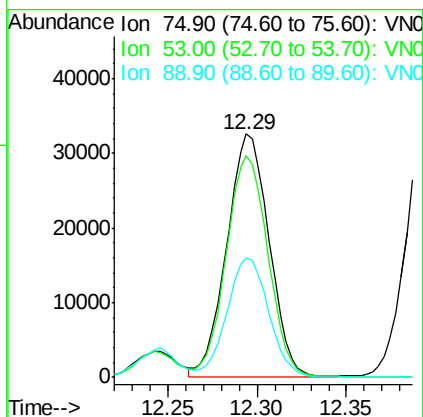
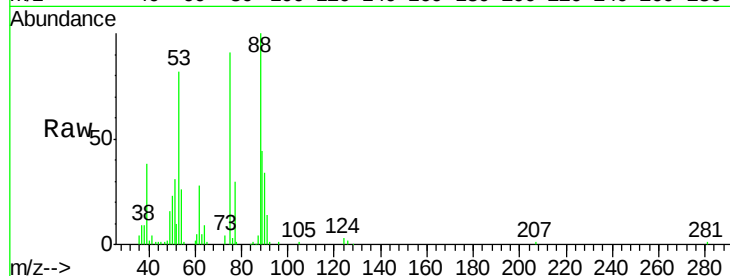
53 90.1 78.1 117.1

89 48.2 35.4 53.2

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 48.825 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059887.D

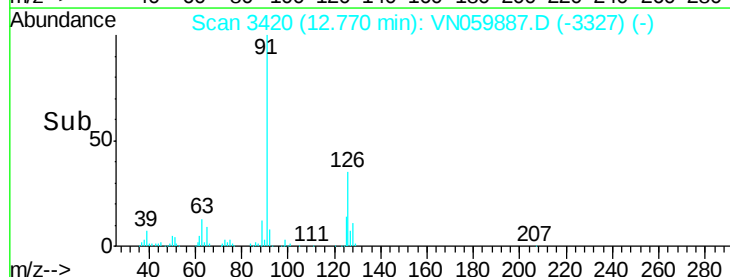
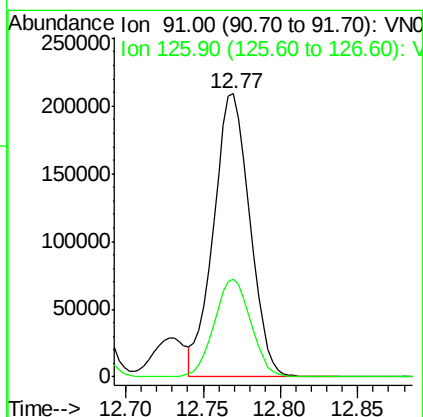
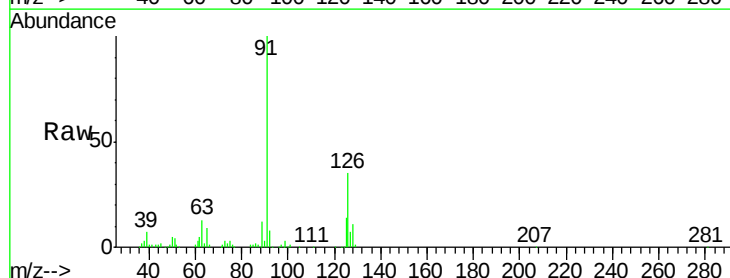
Acq: 28 Jan 2020 10:26

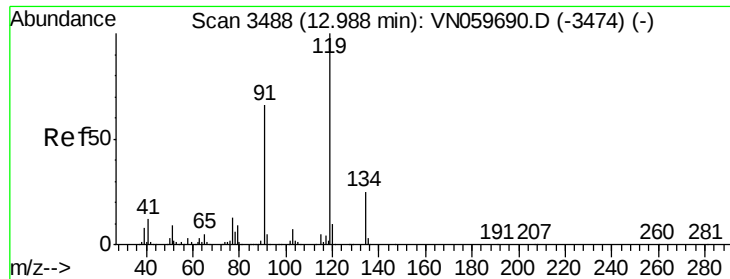
Tgt Ion: 91 Resp: 339260

Ion Ratio Lower Upper

91 100

126 34.9 16.3 48.8





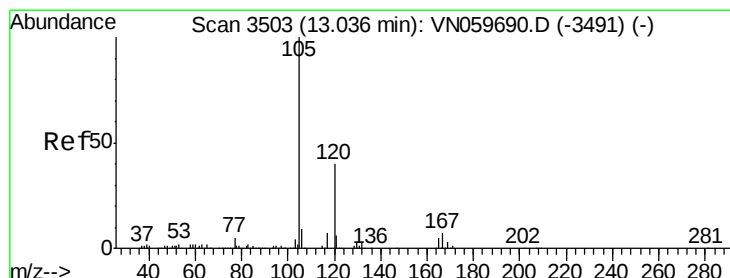
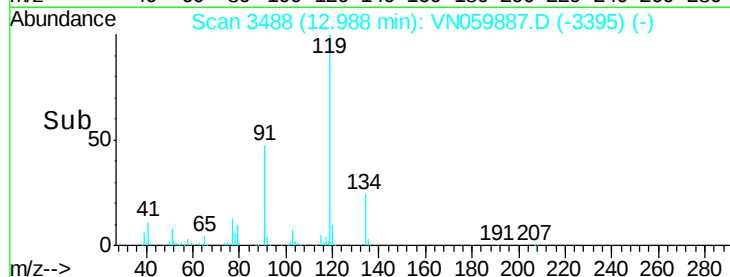
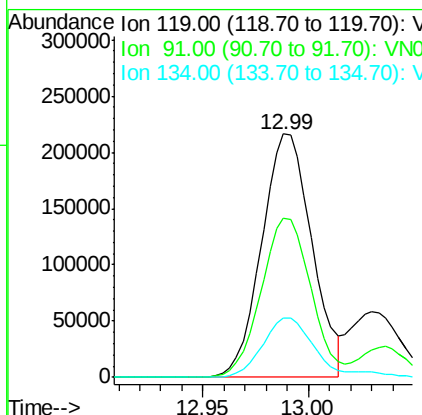
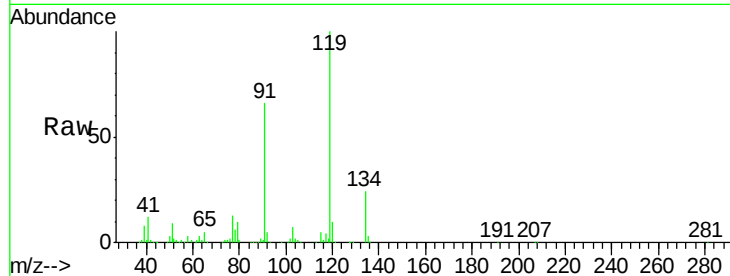
#83  
tert-Butylbenzene  
Concen: 47.596 ug/l  
RT: 12.99 min Scan# 3488  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 359177 |       |       |
| 91      | 64.8  | 34.8   | 104.4 |       |
| 134     | 25.8  | 12.3   | 36.9  |       |

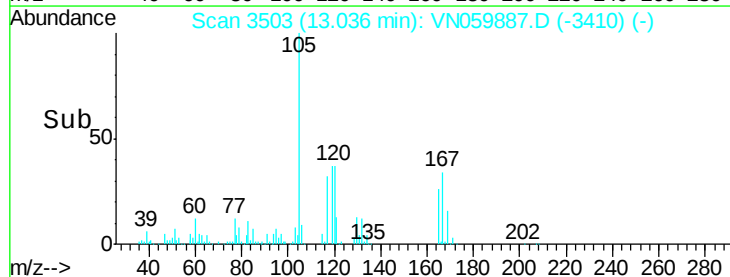
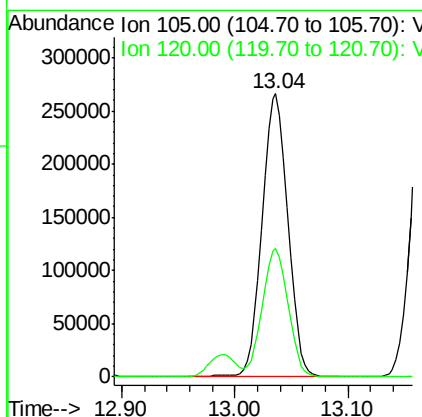
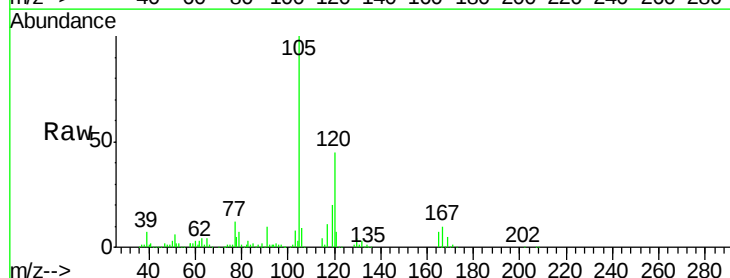
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#84  
1,2,4-Trimethylbenzene  
Concen: 48.905 ug/l  
RT: 13.04 min Scan# 3503  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 422157 |       |       |
| 120     | 45.4  | 22.3   | 66.9  |       |





#85

sec-Butylbenzene

Concen: 48.139 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 477292

Ion Ratio Lower Upper

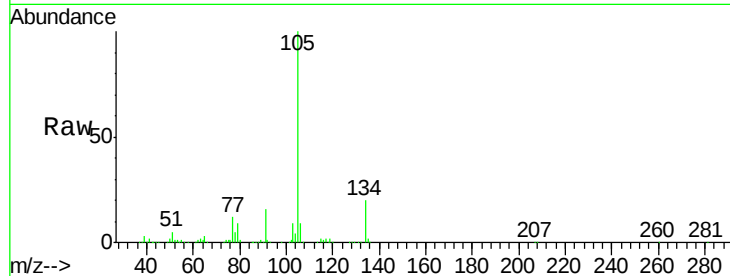
105 100

134 20.1 9.8 29.5

Manual Integrations  
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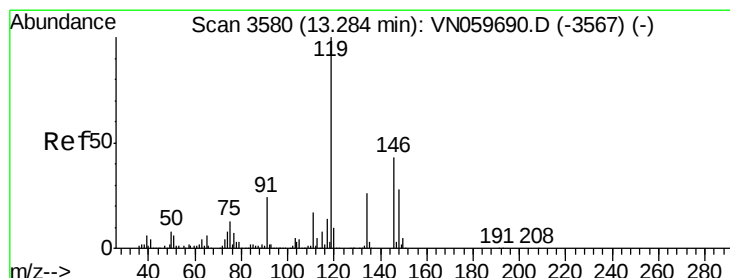
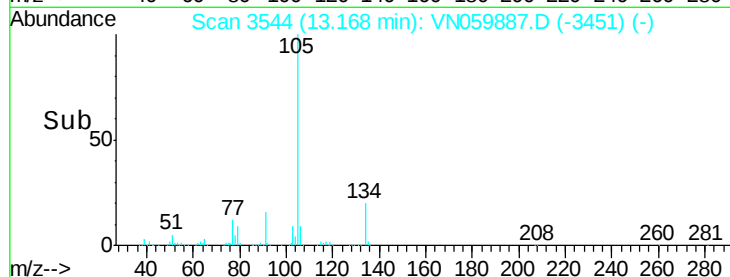
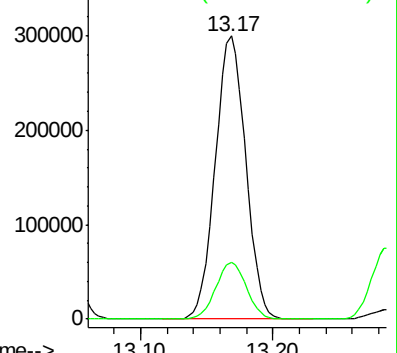
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.275 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059887.D

Acq: 28 Jan 2020 10:26

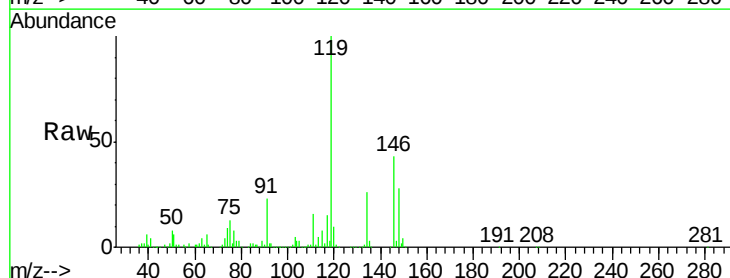
Tgt Ion:119 Resp: 442883

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.7

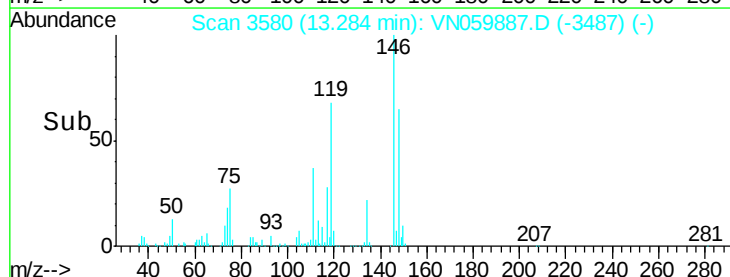
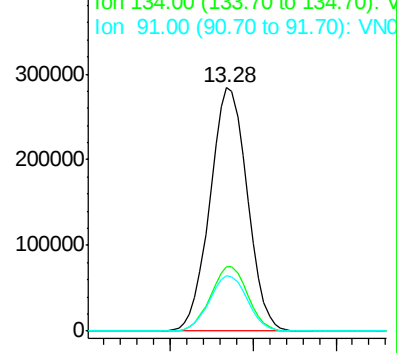
91 23.3 12.4 37.4



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





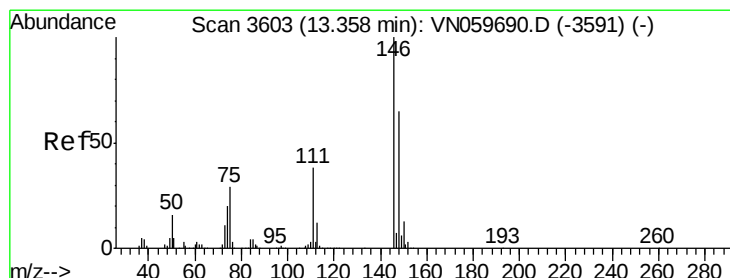
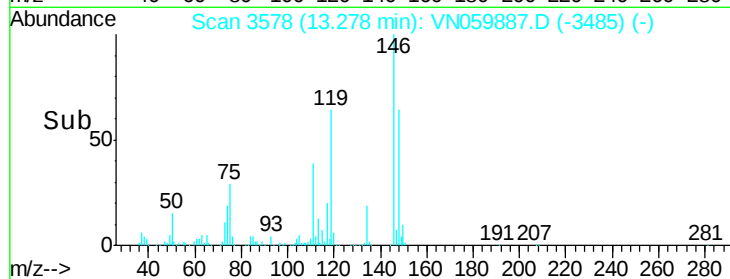
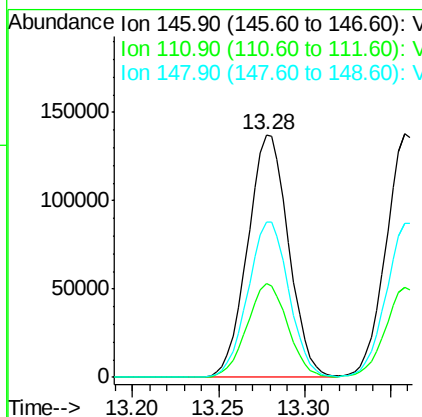
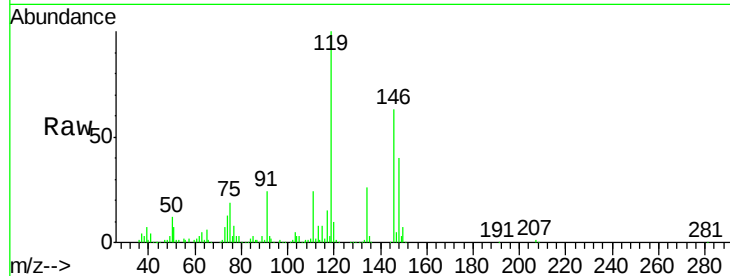
#87  
 1,3-Dichlorobenzene  
 Concen: 49.563 ug/l  
 RT: 13.28 min Scan# 3578  
 Delta R.T. 0.00 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.6  | 20.8  | 62.2  |
| 148     | 64.4  | 32.0  | 96.0  |

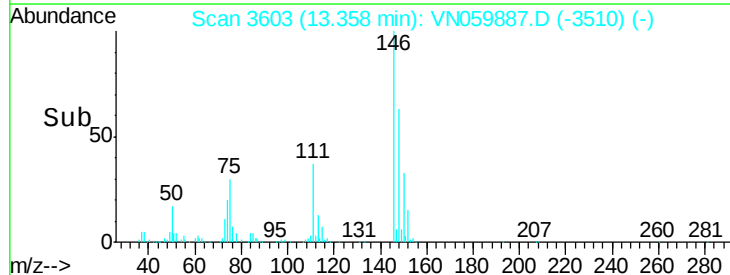
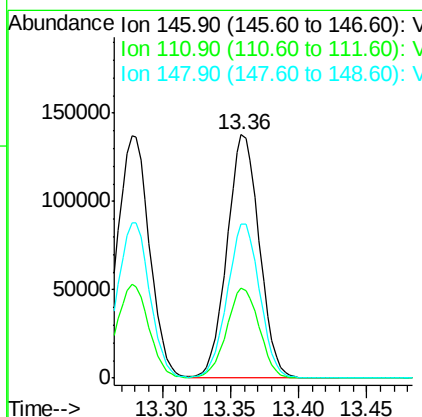
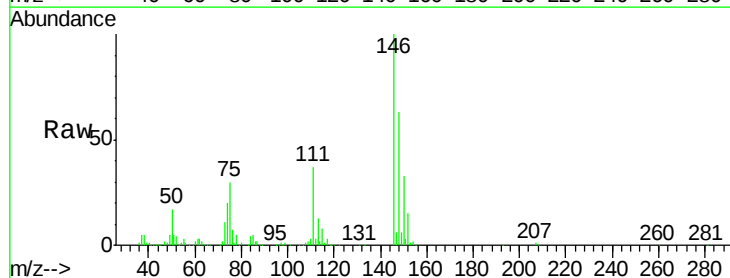
Manual Integrations  
 APPROVED

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 1/29/2020 11:04:06 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 49.797 ug/l  
 RT: 13.36 min Scan# 3603  
 Delta R.T. 0.00 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.2  | 20.8  | 62.2  |
| 148     | 63.9  | 31.8  | 95.4  |





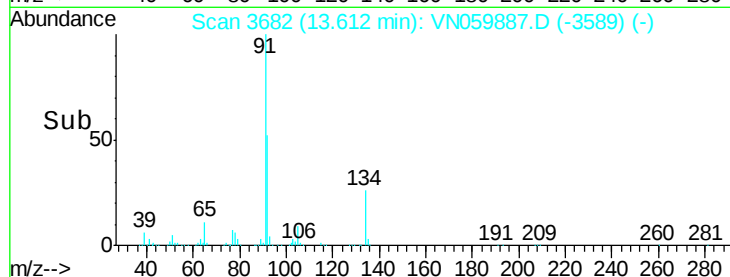
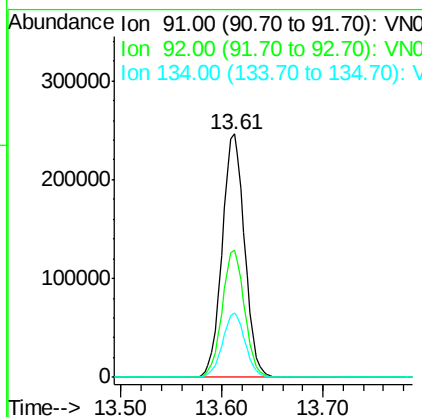
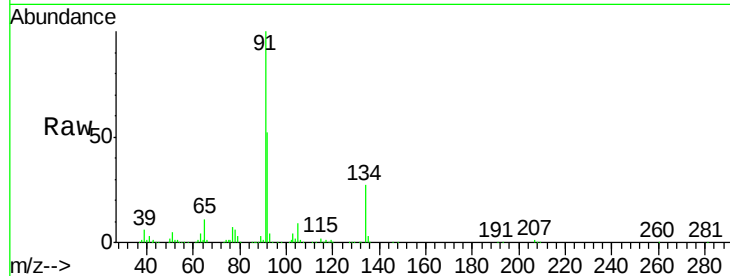
#89  
n-Butylbenzene  
Concen: 49.029 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.0  | 25.9  | 77.7  |
| 134     | 26.7  | 12.3  | 36.8  |

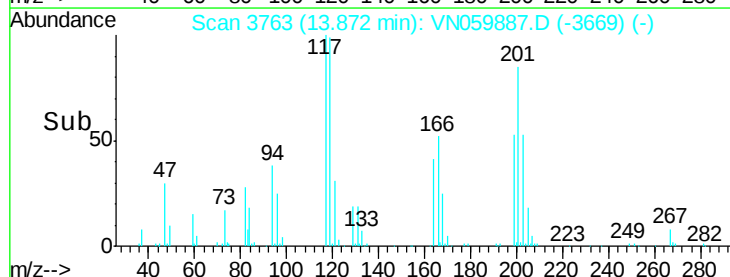
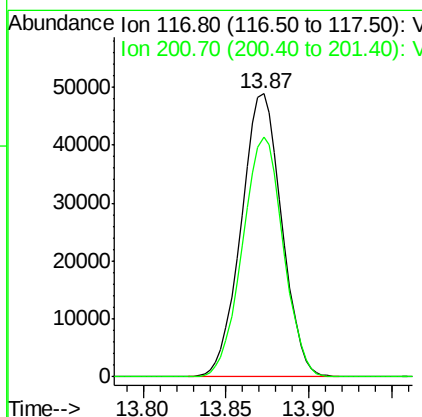
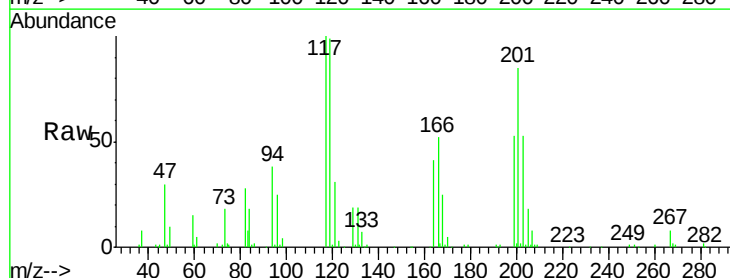
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#90  
Hexachloroethane  
Concen: 48.381 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 85.0  | 37.8  | 113.4 |





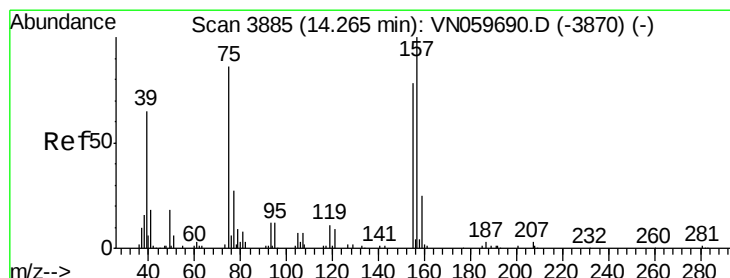
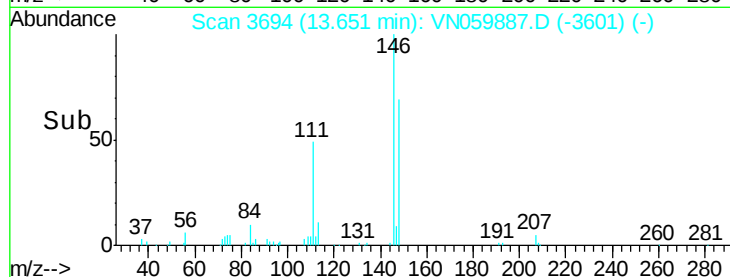
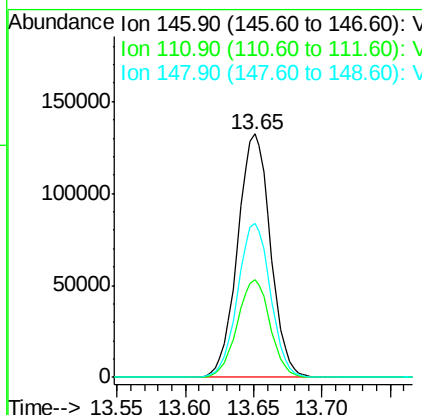
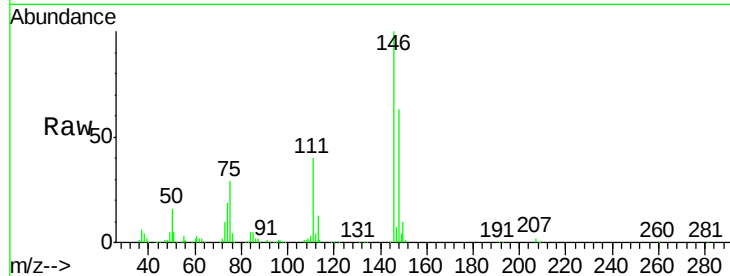
#91  
 1,2-Dichlorobenzene  
 Concen: 49.084 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.9  | 21.6  | 64.8  |
| 148     | 63.2  | 31.6  | 95.0  |

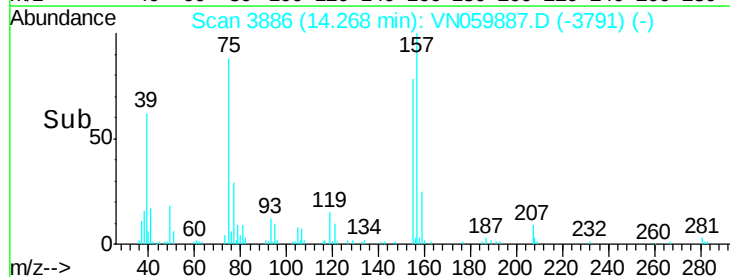
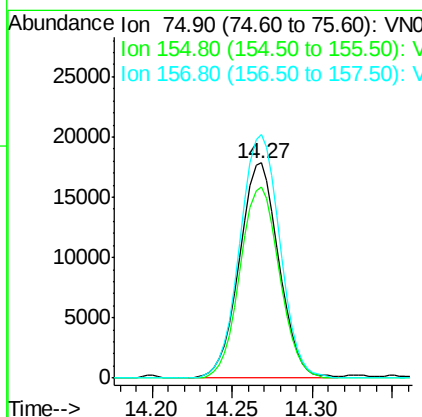
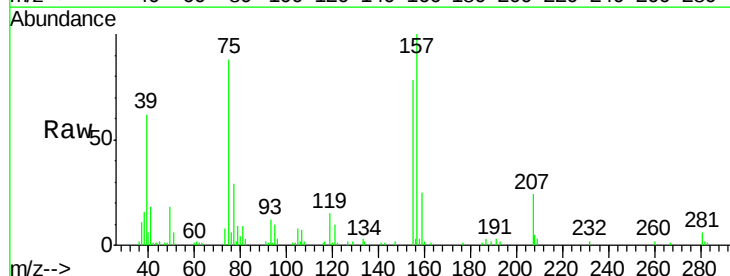
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 46.490 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 88.3  | 37.0  | 110.9 |
| 157     | 114.1 | 48.4  | 145.2 |





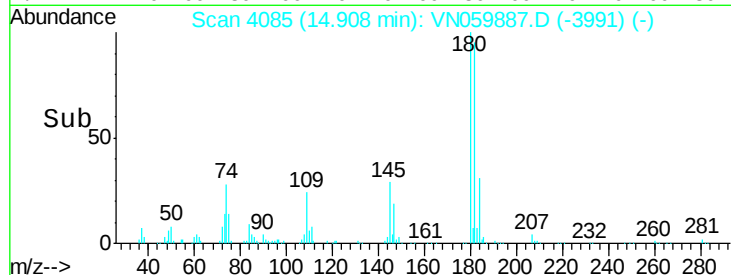
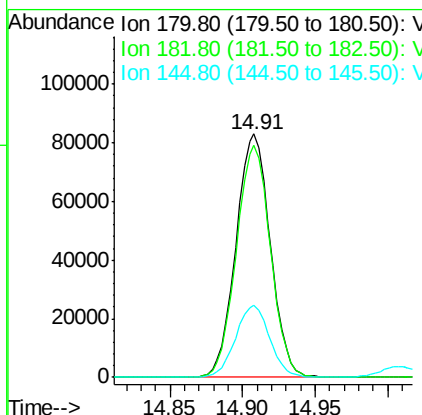
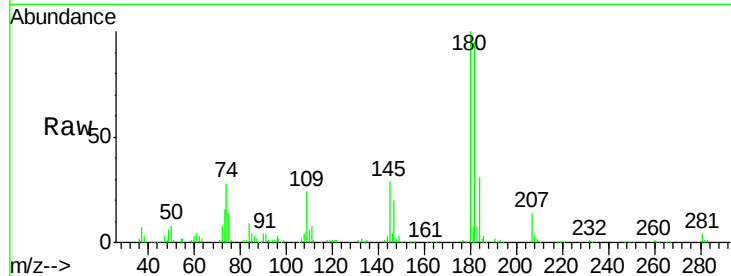
#93  
 1,2,4-Trichlorobenzene  
 Concen: 50.398 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 136635 |       |       |
| 182     | 94.9  | 46.9   | 140.7 |       |
| 145     | 29.4  | 15.0   | 45.1  |       |

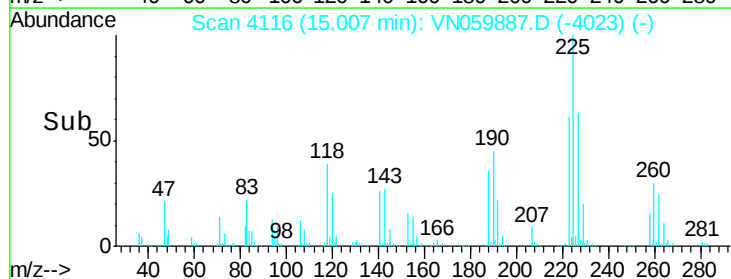
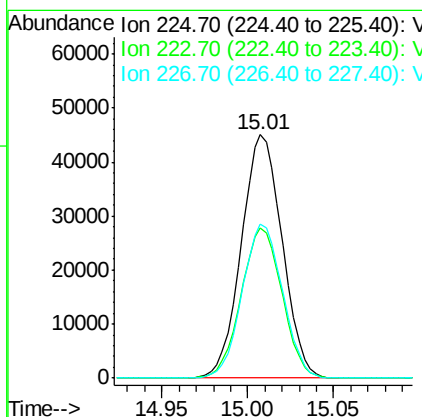
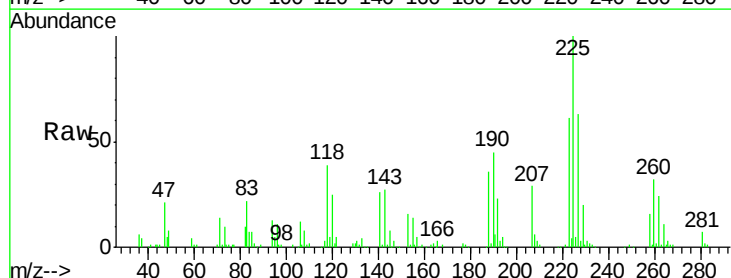
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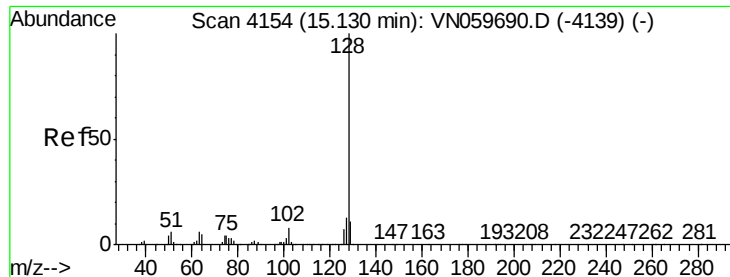
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#94  
 Hexachlorobutadiene  
 Concen: 49.660 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN059887.D  
 Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 74192 |       |       |
| 223     | 61.9  | 31.8  | 95.3  |       |
| 227     | 62.6  | 32.1  | 96.5  |       |





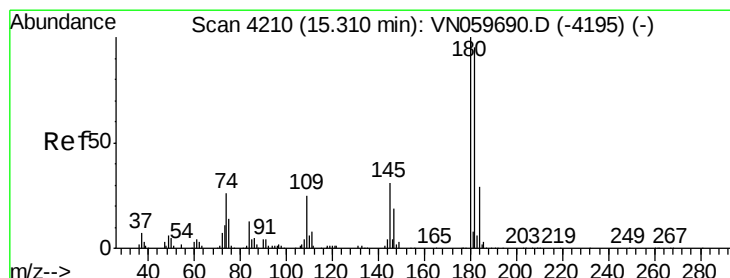
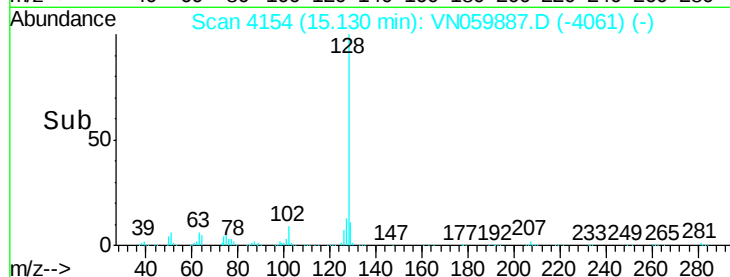
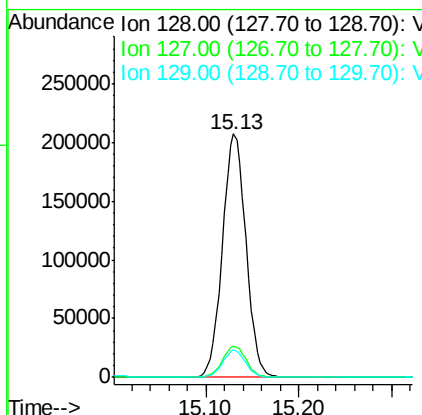
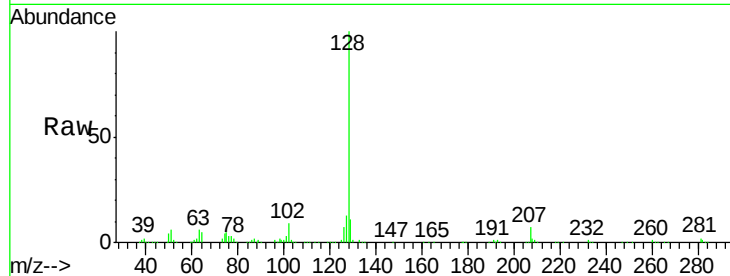
#95  
Naphthalene  
Concen: 47.147 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

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

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 49.556 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN059887.D  
Acq: 28 Jan 2020 10:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.8  | 47.4  | 142.3 |
| 145     | 31.7  | 16.3  | 48.9  |

