

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121619\  
 Data File : VN059603.D  
 Acq On : 16 Dec 2019 15:33  
 Operator : JC/SP  
 Sample : VN1216WBSD03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1216WBSD03

Manual Integrations  
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apatel  
 12/17/2019 12:51:22 PM

Quant Time: Dec 17 05:50:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 13 23:17:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 248487   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 409705   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 378750   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 175180   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 197400   | 54.59 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.18% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 136854   | 53.39 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.78% |      |
| 50) Toluene-d8            | 10.08  | 98  | 509775   | 50.23 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.46% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 184362   | 49.78 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.56%  |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 57108  | 17.785  | ug/l | 97     |
| 3) Chloromethane              | 2.04 | 50  | 95447  | 18.732  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.17 | 62  | 85104  | 17.612  | ug/l | 100    |
| 5) Bromomethane               | 2.54 | 94  | 52222  | 18.591  | ug/l | 99     |
| 6) Chloroethane               | 2.68 | 64  | 51823  | 19.083  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 100910 | 19.034  | ug/l | 97     |
| 8) Diethyl Ether              | 3.38 | 74  | 34773  | 20.992  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 49421  | 18.498  | ug/l | 99     |
| 10) Methyl Iodide             | 3.92 | 142 | 68252  | 19.297  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.75 | 59  | 60982  | 91.992  | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 3.71 | 96  | 46682  | 17.911  | ug/l | 96     |
| 13) Acrolein                  | 3.58 | 56  | 47825  | 101.280 | ug/l | 99     |
| 14) Allyl chloride            | 4.29 | 41  | 97054  | 18.140  | ug/l | 99     |
| 15) Acrylonitrile             | 4.95 | 53  | 156556 | 97.635  | ug/l | 98     |
| 16) Acetone                   | 3.79 | 43  | 178897 | 83.333  | ug/l | 99     |
| 17) Carbon Disulfide          | 4.02 | 76  | 149164 | 17.222  | ug/l | 99     |
| 18) Methyl Acetate            | 4.29 | 43  | 84912  | 18.876  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.01 | 73  | 190370 | 20.687  | ug/l | 99     |
| 20) Methylene Chloride        | 4.52 | 84  | 63706  | 20.547  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 54120  | 18.627  | ug/l | 97     |
| 22) Diisopropyl ether         | 5.92 | 45  | 204468 | 20.729  | ug/l | 97     |
| 23) Vinyl Acetate             | 5.86 | 43  | 883667 | 114.156 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.81 | 63  | 111893 | 20.026  | ug/l | 99     |
| 25) 2-Butanone                | 6.80 | 43  | 234719 | 91.433  | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 96872  | 19.076  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 64394  | 20.001  | ug/l | 99     |
| 28) Bromochloromethane        | 7.17 | 49  | 86059  | 36.779  | ug/l | 97     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 151236 | 96.692  | ug/l | 99     |
| 30) Chloroform                | 7.35 | 83  | 110026 | 20.005  | ug/l | 99     |
| 31) Cyclohexane               | 7.63 | 56  | 96574  | 18.292  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97  | 93117  | 18.779  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 79376  | 18.578  | ug/l | 98     |
| 37) Ethyl Acetate             | 6.90 | 43  | 96297  | 19.392  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 81553  | 18.394  | ug/l | 97     |

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Manual Integrations  
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 13 23:17:39 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 88421    | 18.245  | ug/l   | 98       |
| 40) Benzene                    | 8.02  | 78   | 240102   | 19.229  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.15  | 41   | 34578m   | 16.872  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 97160    | 20.319  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 151452   | 19.616  | ug/l   | 100      |
| 44) Trichloroethene            | 8.82  | 130  | 61424    | 18.781  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 67134    | 19.911  | ug/l   | 99       |
| 46) Dibromomethane             | 9.19  | 93   | 43724    | 19.794  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.39  | 83   | 88925    | 20.191  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.18  | 41   | 65374    | 18.663  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 9.18  | 88   | 19487    | 388.202 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 458493   | 99.602  | ug/l   | 100      |
| 52) Toluene                    | 10.14 | 92   | 144759   | 18.869  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 101143   | 19.857  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 105791   | 19.759  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 60748    | 20.179  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 89084    | 19.933  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 107052   | 20.423  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 180418   | 126.930 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.74 | 43   | 342715   | 94.465  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 65757    | 20.013  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 63636    | 19.931  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.62 | 164  | 56068    | 15.880  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 156293   | 19.071  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 59850    | 19.227  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 274973   | 18.588  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 200899   | 36.778  | ug/l   | 100      |
| 69) o-Xylene                   | 11.94 | 106  | 96236    | 18.516  | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 155367   | 18.605  | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 45711    | 19.535  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 256127   | 18.625  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 120212   | 19.057  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 86020    | 19.719  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 90635m   | 20.900  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 64072    | 18.946  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 301669   | 18.558  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 184152   | 18.735  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 221075   | 18.997  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 33032    | 18.813  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 189197   | 18.799  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 182728   | 18.541  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 222088   | 19.192  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 242162   | 18.472  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 221276   | 18.636  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 115650   | 18.597  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 114937   | 18.332  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 196208   | 17.626  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 41775    | 18.614  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 114572   | 18.682  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 19592    | 17.159  | ug/l   | 99       |

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Sample : VN1216WBSD03  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Fri Dec 13 23:17:39 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 69429    | 17.531 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 35208    | 17.451 | ug/l  | 99       |
| 95) Naphthalene            | 15.12 | 128  | 209740   | 17.741 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.29 | 180  | 70179    | 17.521 | ug/l  | 100      |

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

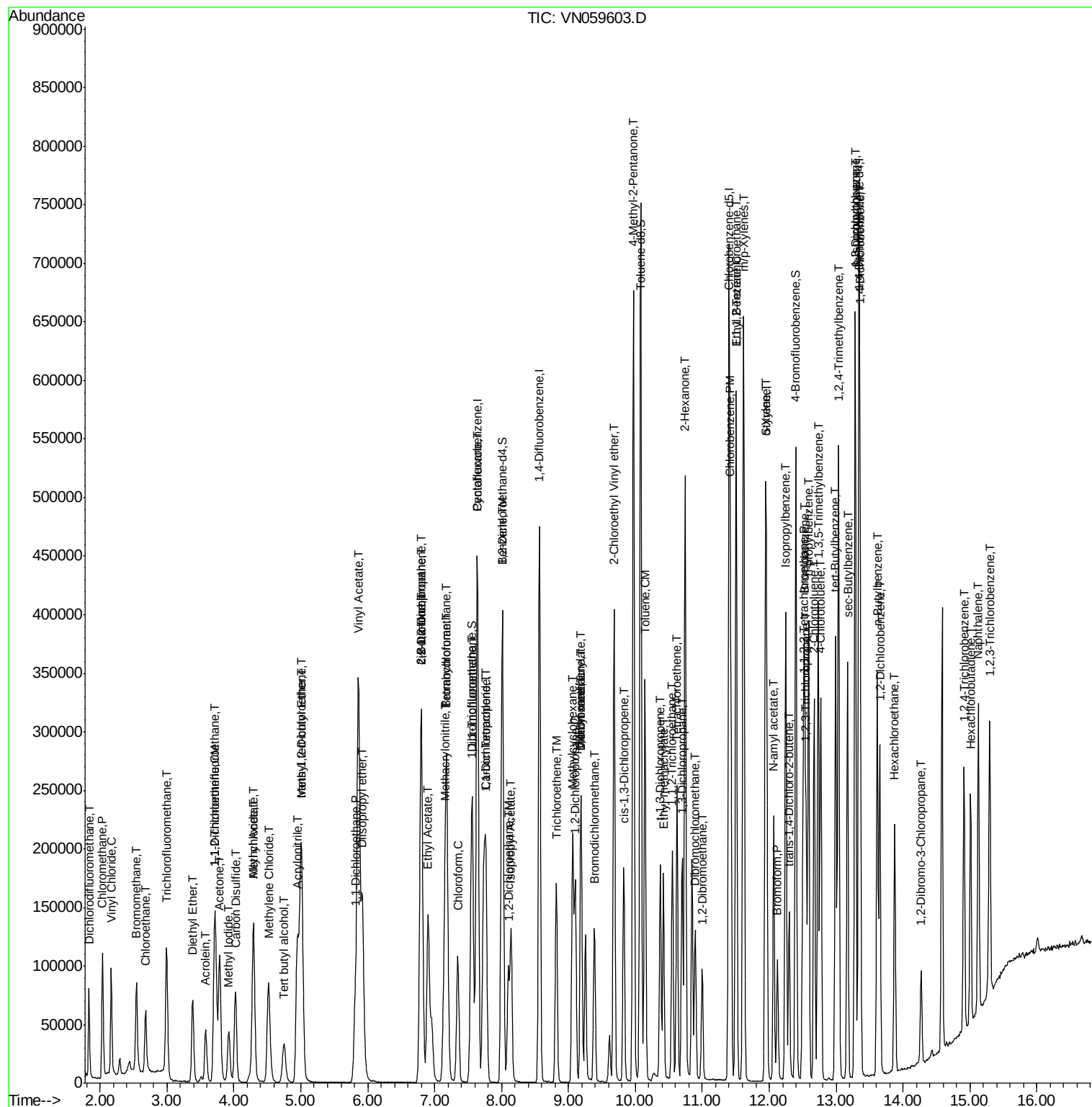
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Data File : VN059603.D  
Acq On : 16 Dec 2019 15:33  
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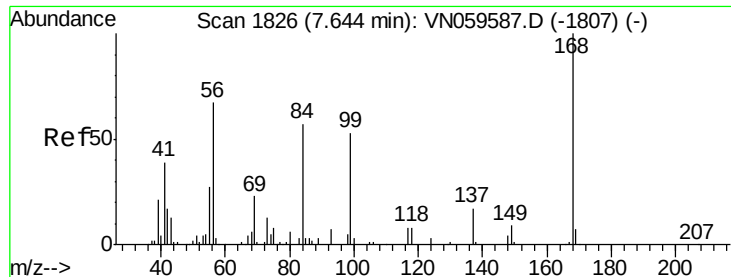
Instrument :  
MSVOA\_N  
Client Sample Id :  
VN1216WBSD03

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12/17/2019 12:51:22 PM

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBSD03

Tot Ion:168 Resp: 248487

Ion Ratio Lower Upper

168 100

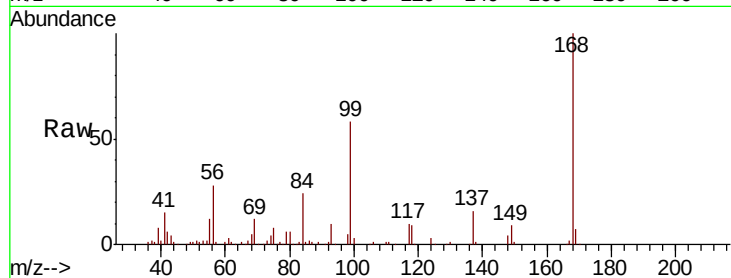
99 58.3 48.2 72.4

Manual Integrations

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12/17/2019 12:51:22 PM



Abundance Ion 167.90 (167.60 to 168.60): VN059587.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059587.D (-1807) (-)

7.64

100000

80000

60000

40000

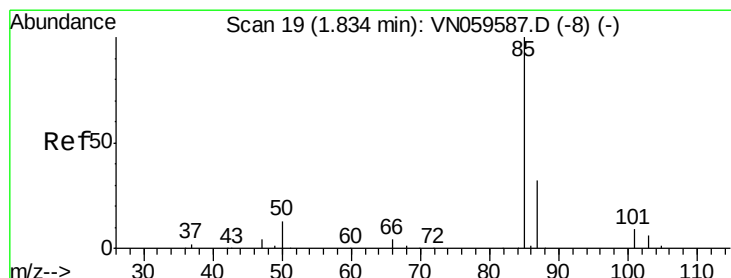
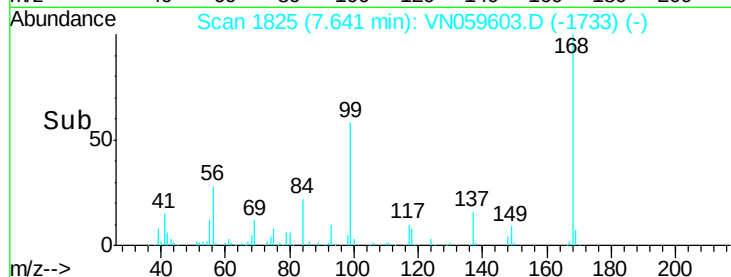
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.785 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059603.D

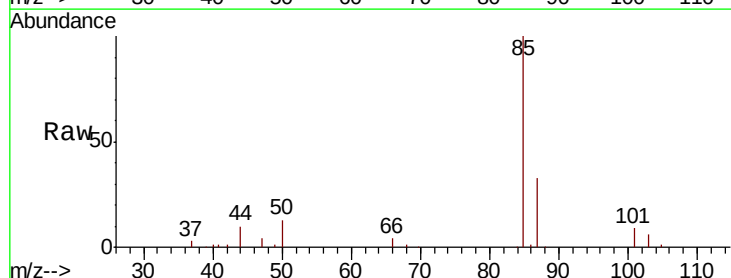
Acq: 16 Dec 2019 15:33

Tgt Ion: 85 Resp: 57108

Ion Ratio Lower Upper

85 100

87 33.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN059587.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059587.D (-8) (-)

1.83

50000

40000

30000

20000

10000

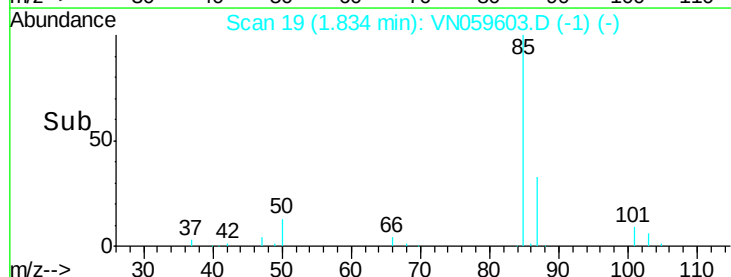
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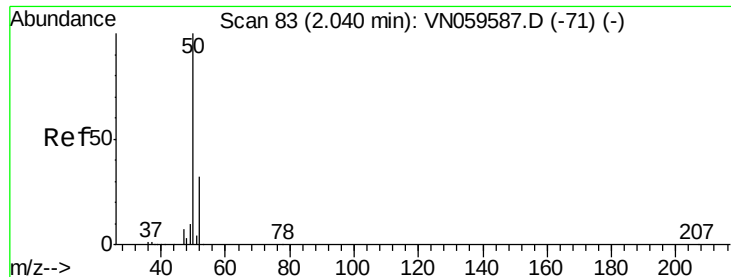
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 18.732 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBSD03

Tot Ion: 50 Resp: 95447

Ion Ratio Lower Upper

50 100

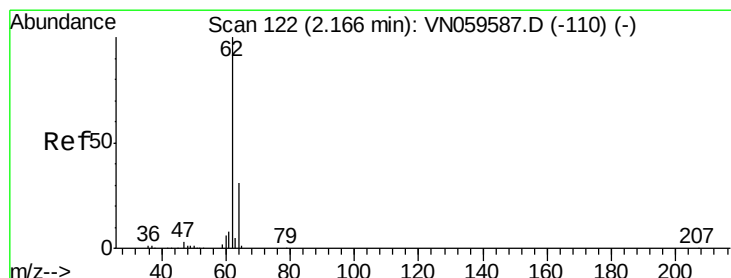
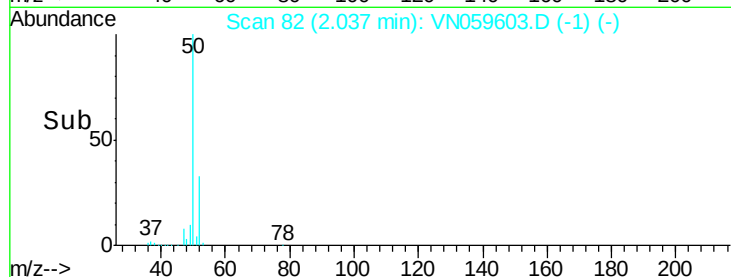
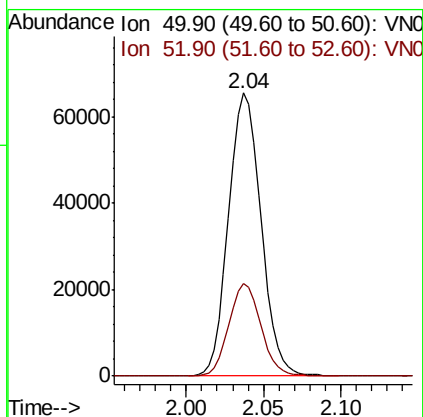
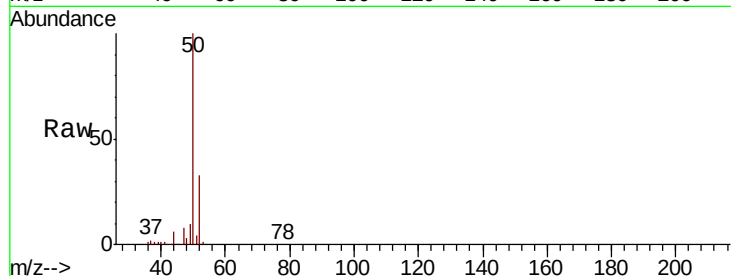
52 32.6 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.612 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059603.D

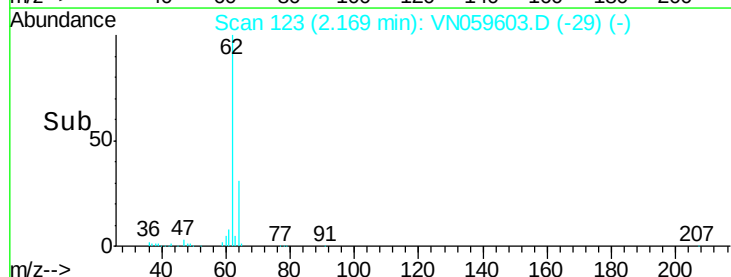
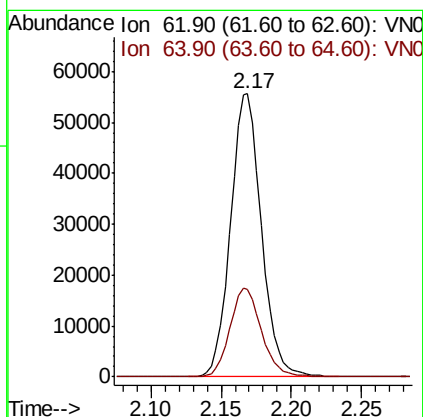
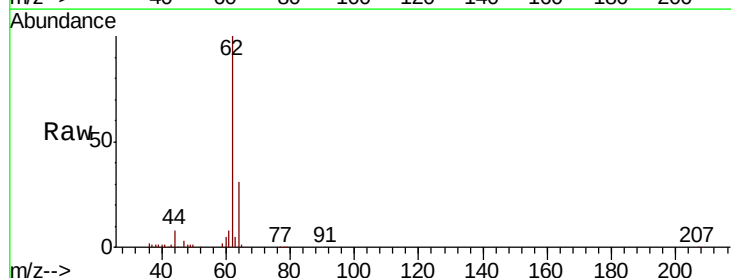
Acq: 16 Dec 2019 15:33

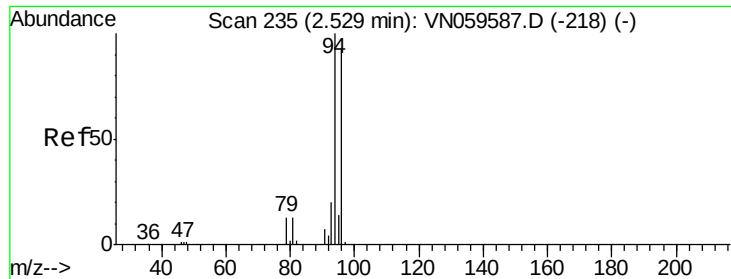
Tgt Ion: 62 Resp: 85104

Ion Ratio Lower Upper

62 100

64 31.0 24.6 37.0





#5

Bromomethane

Concen: 18.591 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

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ClientSampleId :

VN1216WBSD03

Tot Ion: 94 Resp: 52222

Ion Ratio Lower Upper

94 100

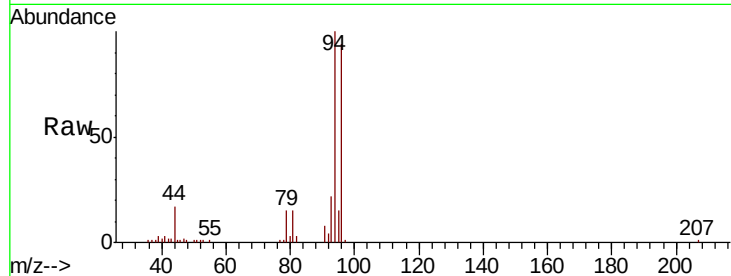
96 94.1 74.7 112.1

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

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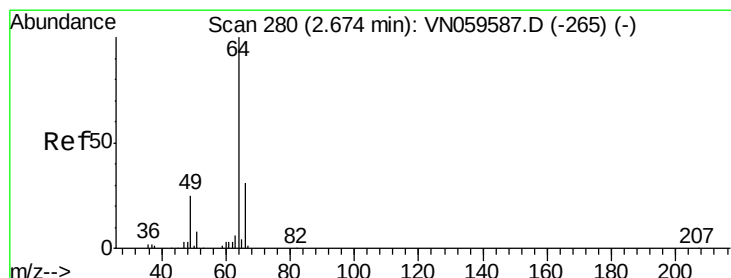
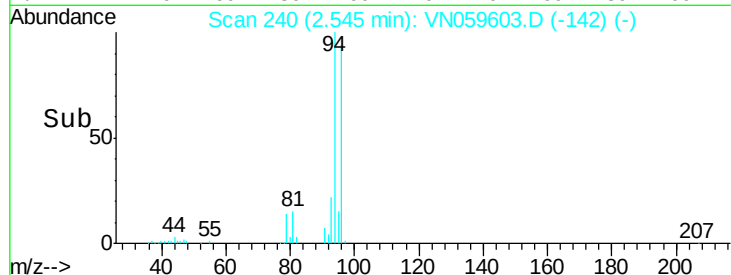
2.54

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2.54



#6

Chloroethane

Concen: 19.083 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059603.D

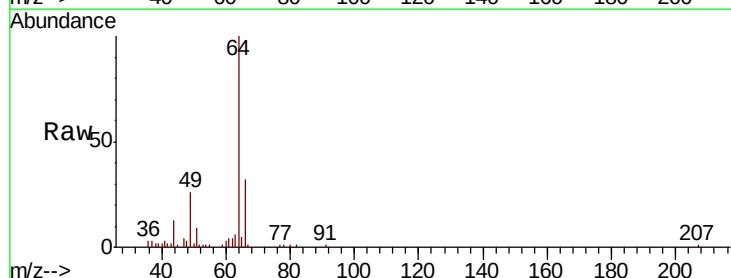
Acq: 16 Dec 2019 15:33

Tgt Ion: 64 Resp: 51823

Ion Ratio Lower Upper

64 100

66 31.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

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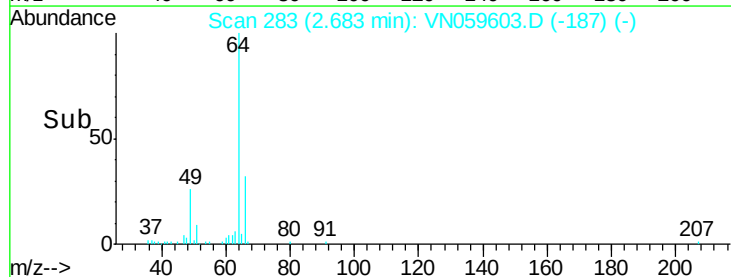
2.68

2.68

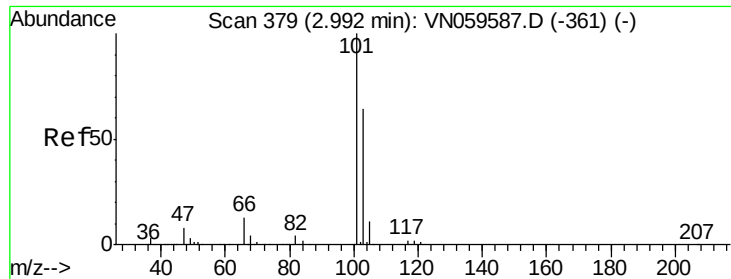
2.68

2.68

2.68







#7

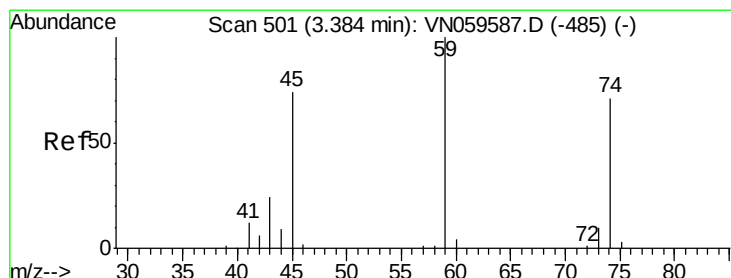
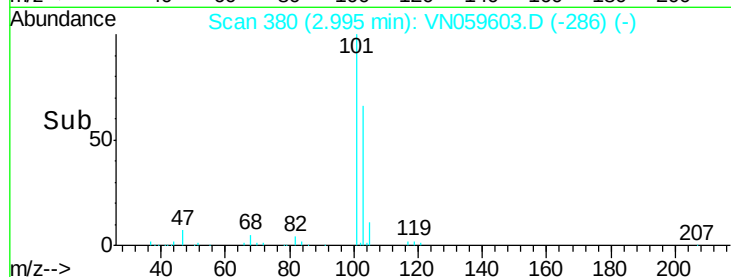
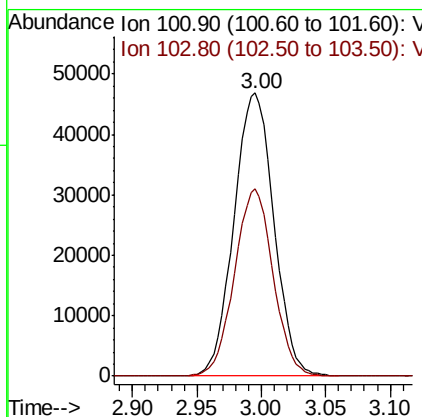
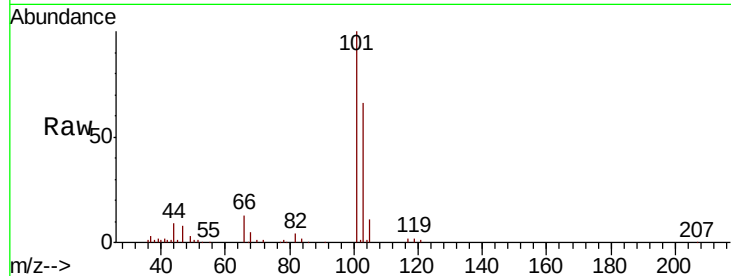
Trichlorofluoromethane  
Concen: 19.034 ug/l  
RT: 3.00 min Scan# 380  
Delta R.T. 0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.0  | 51.0  | 76.6  |

Manual Integrations  
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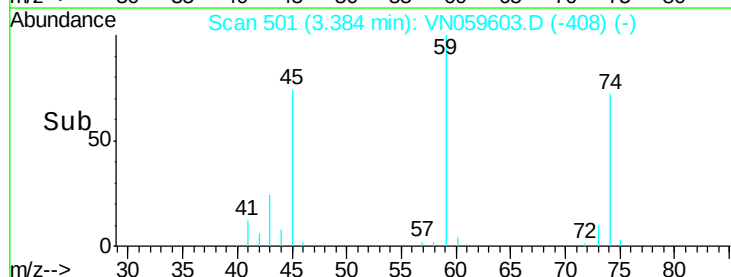
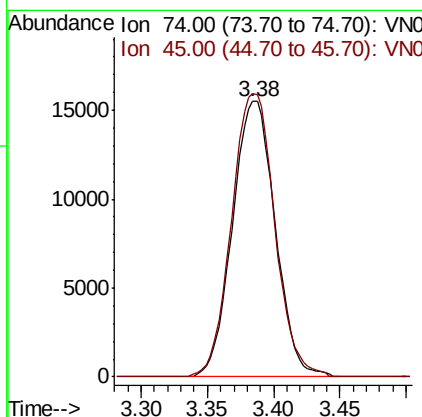
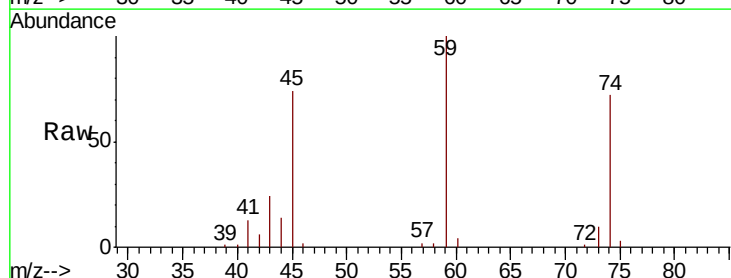
apatel  
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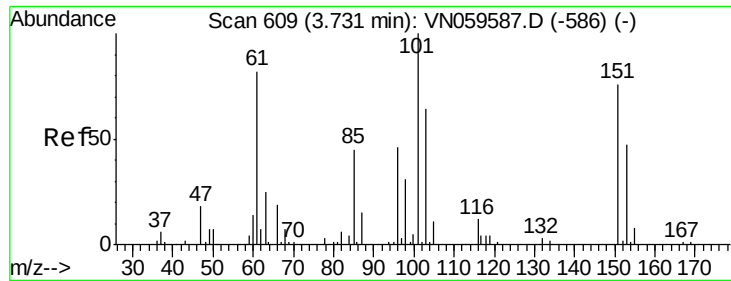
#8

Diethyl Ether  
Concen: 20.992 ug/l  
RT: 3.38 min Scan# 501  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 104.0 | 51.9  | 155.8 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.498 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

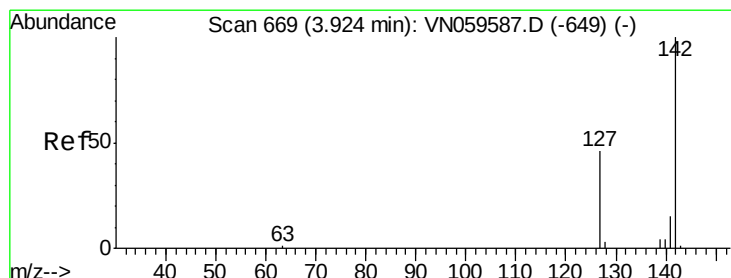
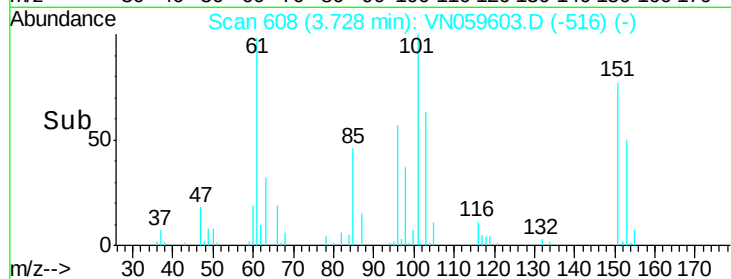
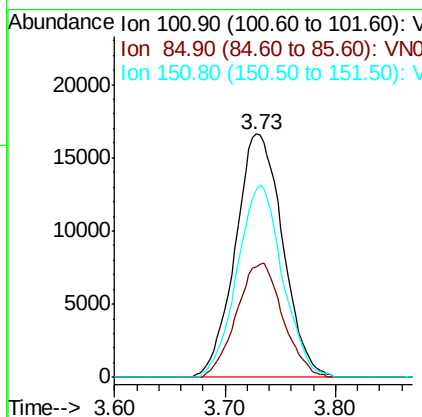
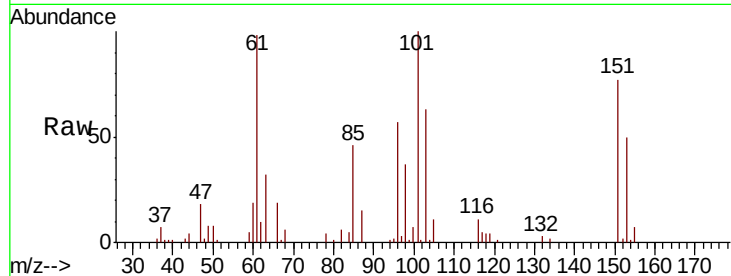
ClientSampleId :

VN1216WBSD03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 49421 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.8  | 36.6  | 54.8  |
| 151       | 75.9  | 59.7  | 89.5  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 19.297 ug/l

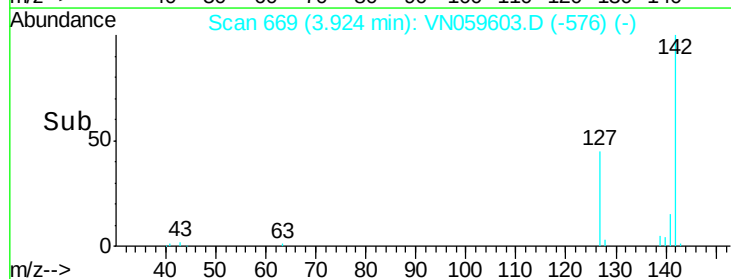
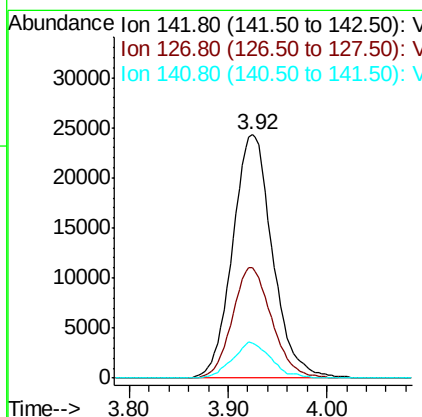
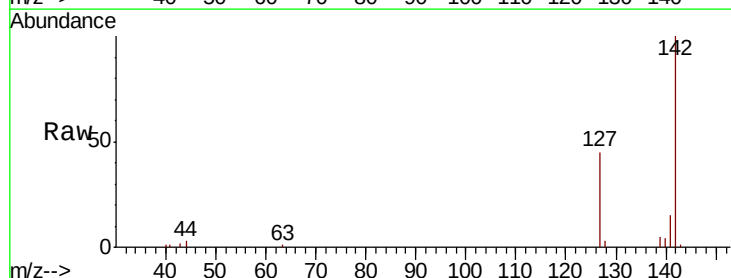
RT: 3.92 min Scan# 669

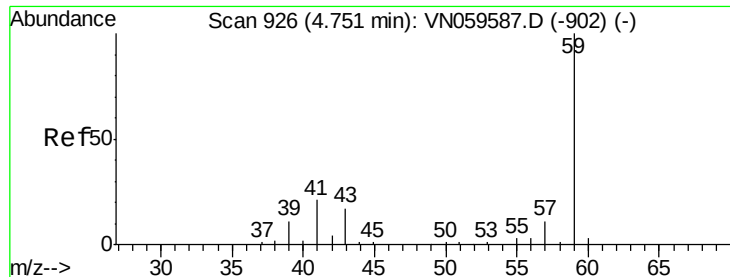
Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 68252 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 44.9  | 36.7  | 55.1  |
| 141       | 14.2  | 11.7  | 17.5  |





#11

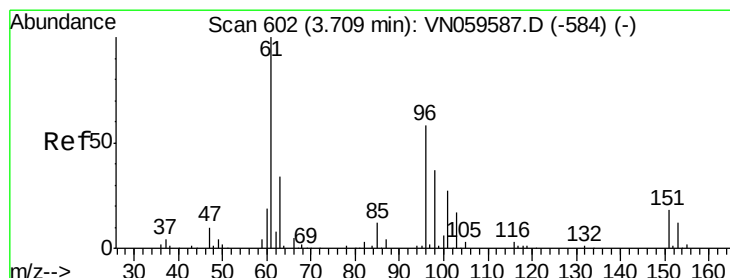
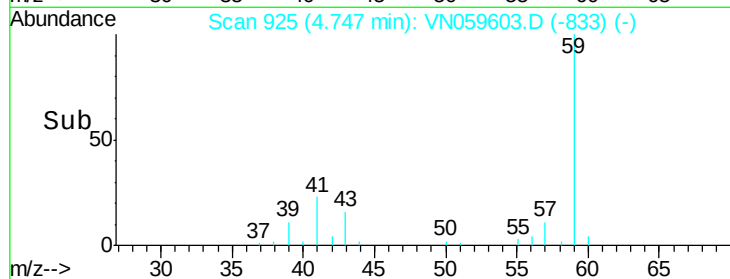
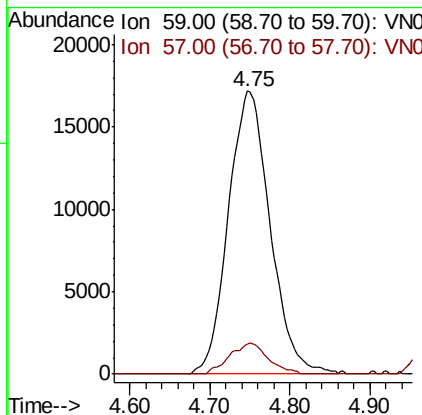
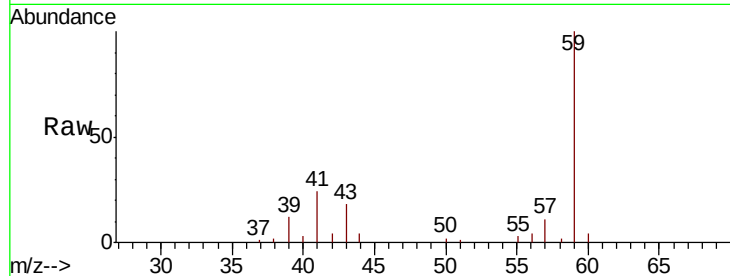
Tert butyl alcohol  
Concen: 91.992 ug/l  
RT: 4.75 min Scan# 925  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 8.6   | 12.8  |

Manual Integrations  
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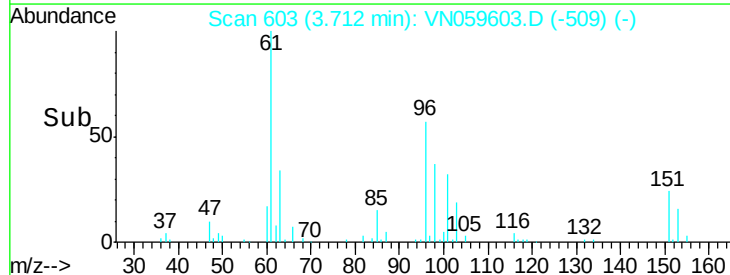
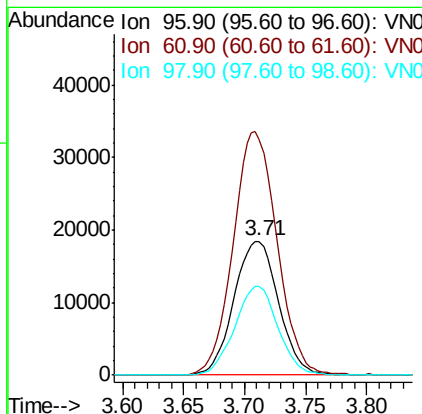
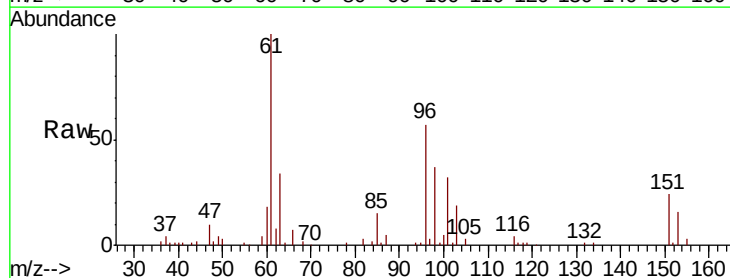
apatel  
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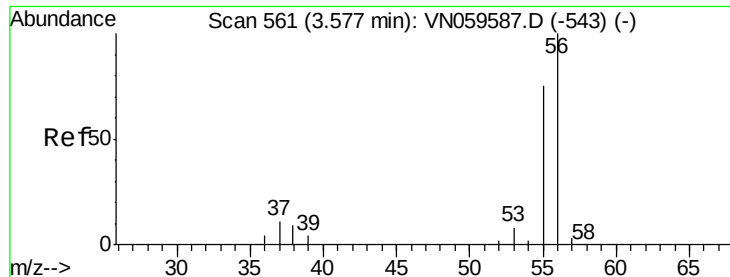


#12

1,1-Dichloroethene  
Concen: 17.911 ug/l  
RT: 3.71 min Scan# 603  
Delta R.T. 0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 176.4 | 137.5 | 206.3 |
| 98      | 66.1  | 50.2  | 75.4  |





#13

Acrolein

Concen: 101.280 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBSD03

Tot Ion: 56 Resp: 47825

Ion Ratio Lower Upper

56 100

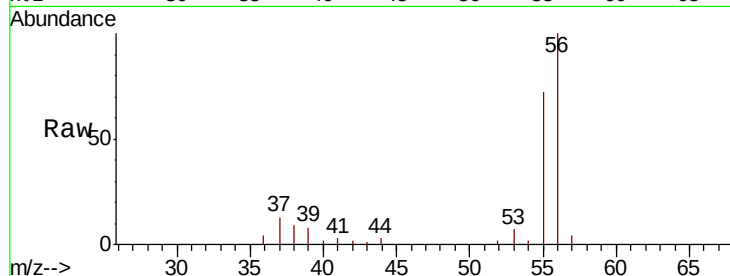
55 72.5 58.6 88.0

Manual Integrations

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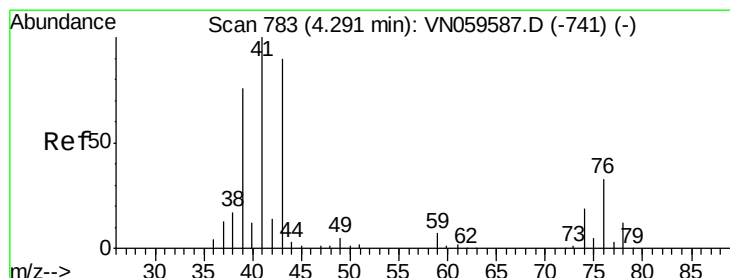
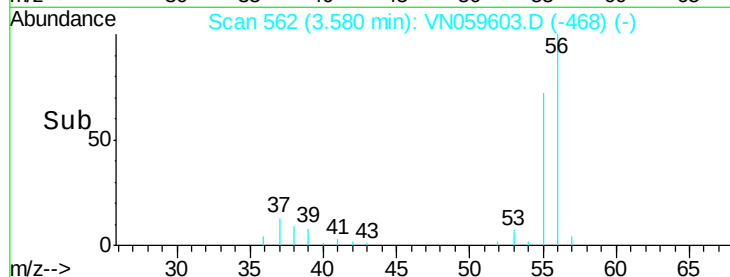
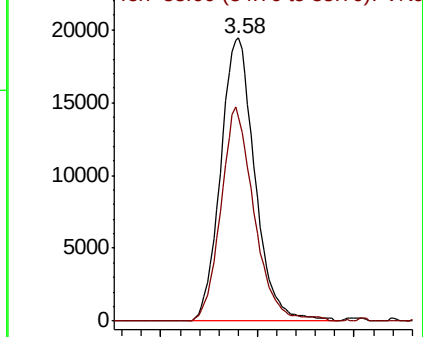
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.140 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

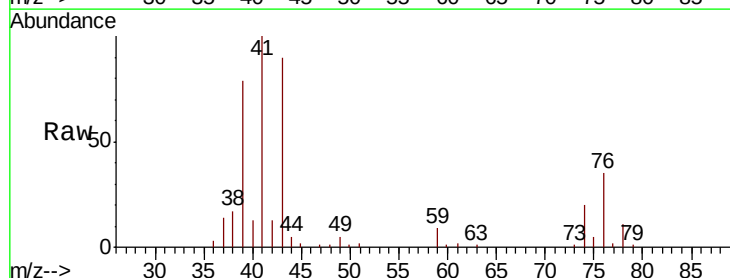
Tgt Ion: 41 Resp: 97054

Ion Ratio Lower Upper

41 100

39 73.6 57.8 86.8

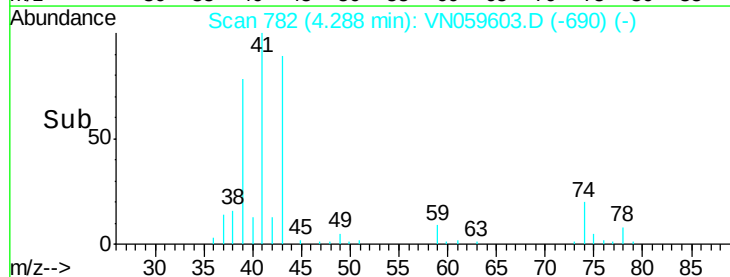
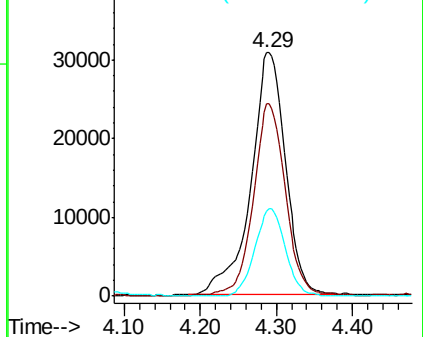
76 31.8 25.4 38.0

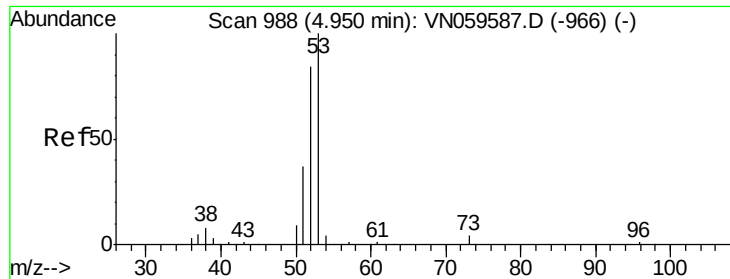


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 97.635 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

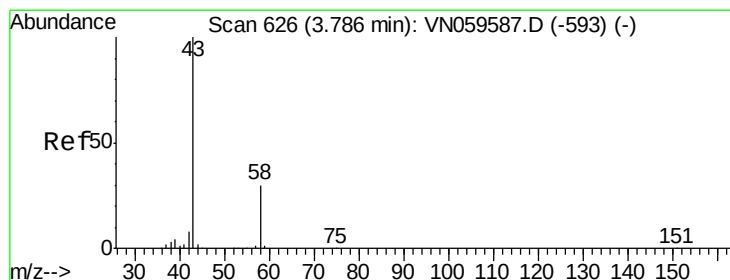
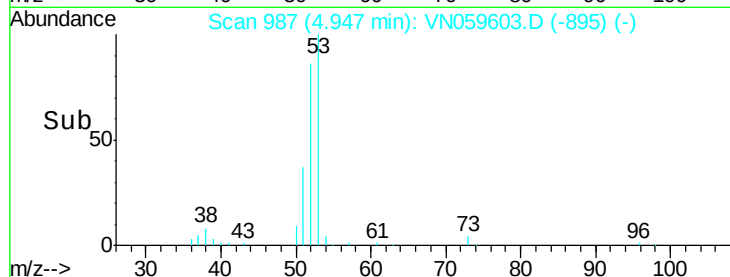
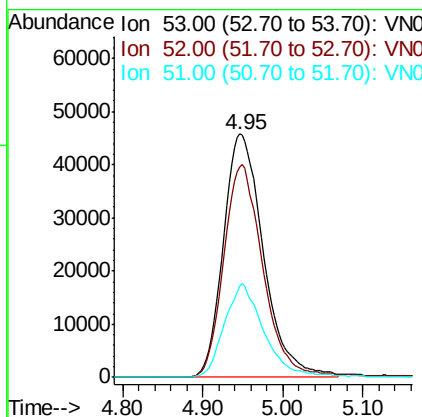
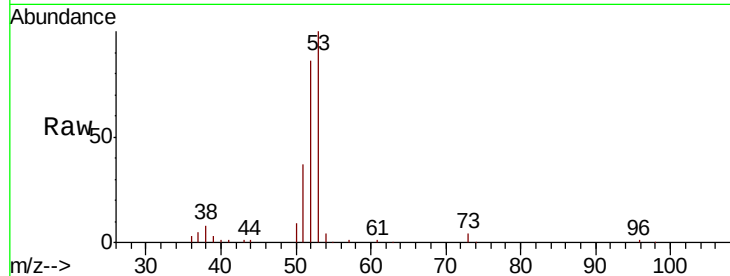
ClientSampleId :

VN1216WBSD03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 156556 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 85.4  | 66.3  | 99.5   |
| 51        | 37.5  | 29.7  | 44.5   |

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#16

Acetone

Concen: 83.333 ug/l

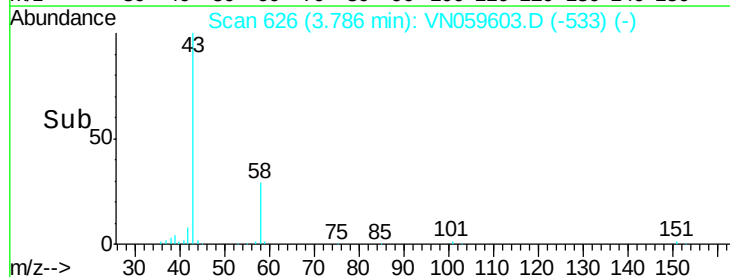
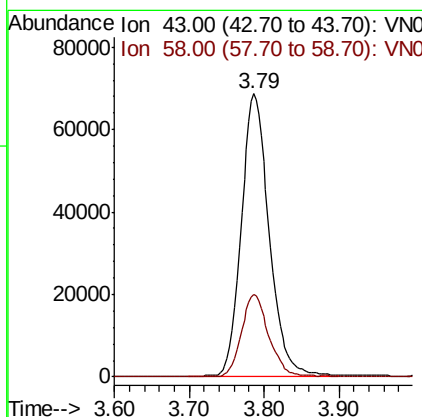
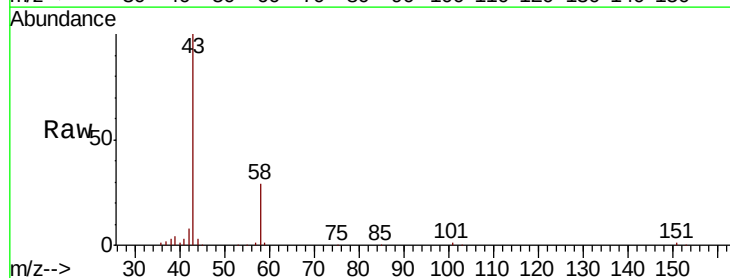
RT: 3.79 min Scan# 626

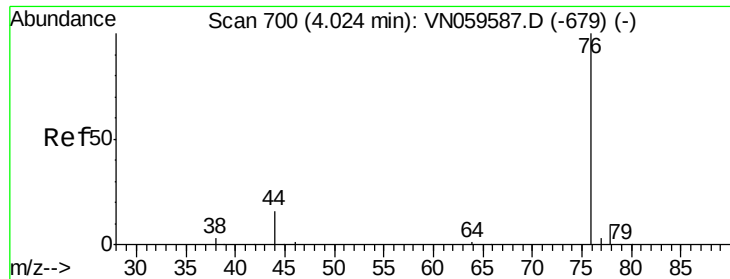
Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 178897 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 29.1  | 23.6  | 35.4   |





#17

Carbon Disulfide

Concen: 17.222 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBSD03

Tot Ion: 76 Resp: 149164

Ion Ratio Lower Upper

76 100

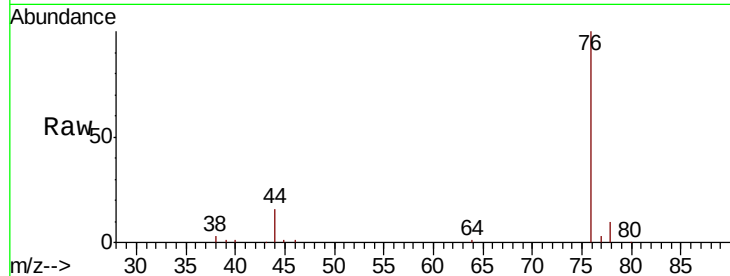
78 9.6 7.4 11.0

Manual Integrations

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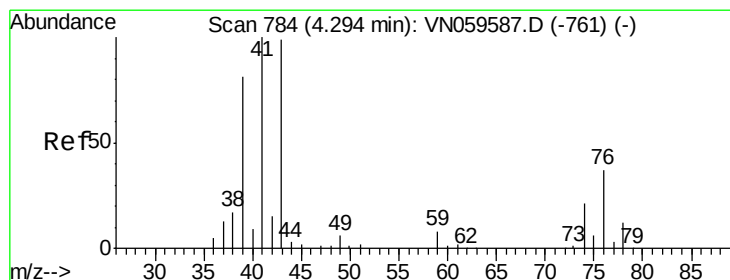
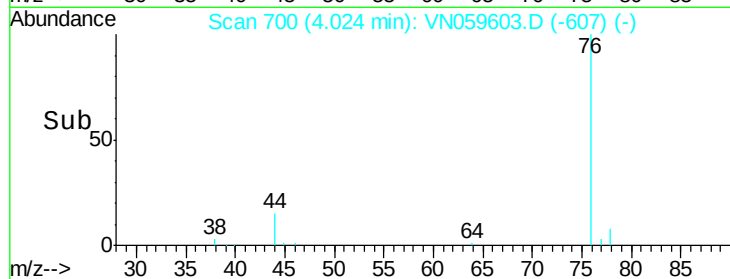
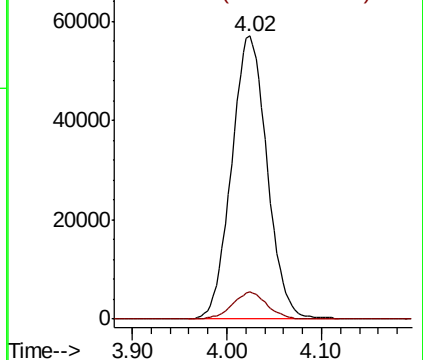
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 18.876 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059603.D

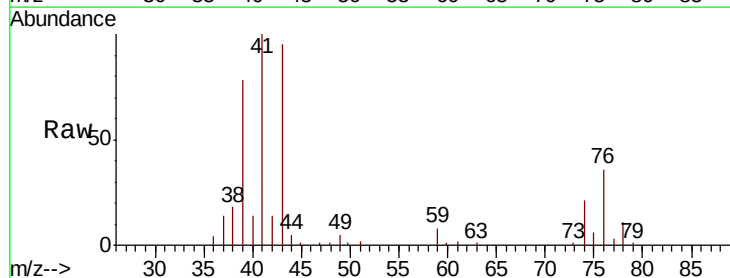
Acq: 16 Dec 2019 15:33

Tgt Ion: 43 Resp: 84912

Ion Ratio Lower Upper

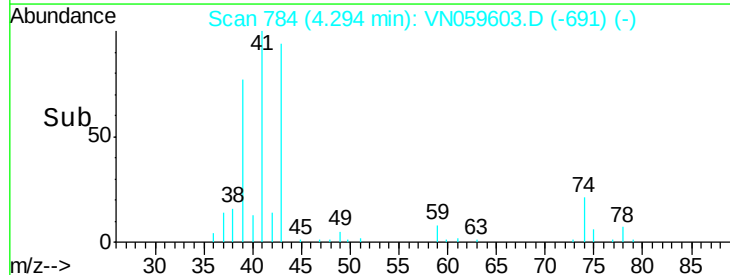
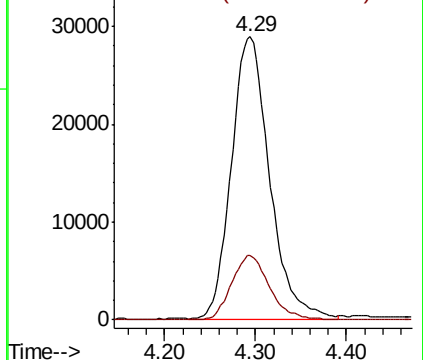
43 100

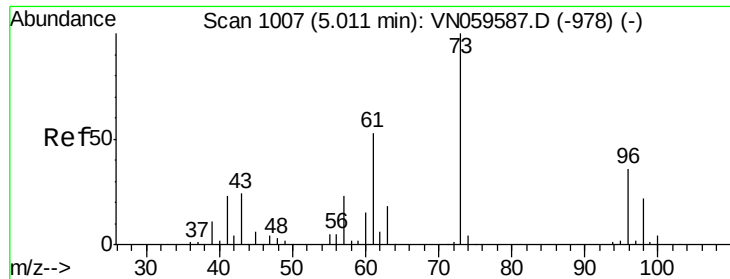
74 22.3 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





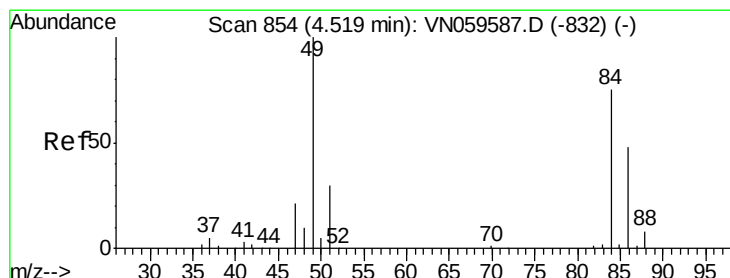
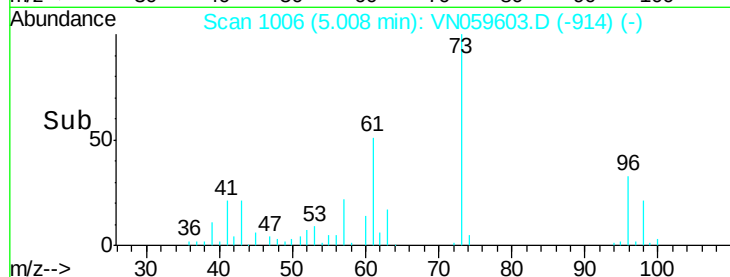
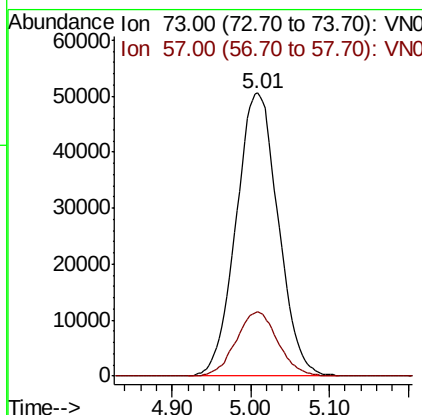
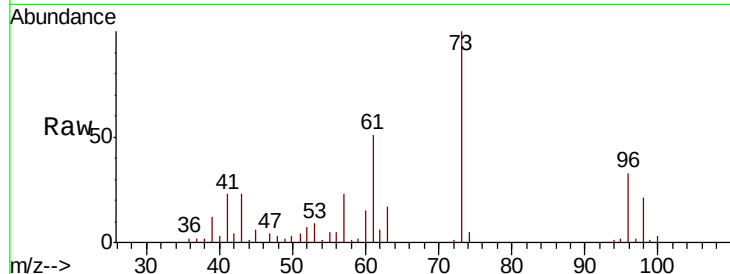
#19  
Methyl tert-butyl Ether  
Concen: 20.687 ug/l  
RT: 5.01 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

Tot Ion: 73 Resp: 190370  
Ion Ratio Lower Upper  
73 100  
57 22.6 18.6 27.8

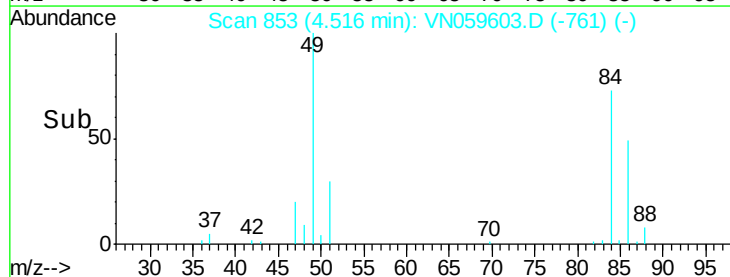
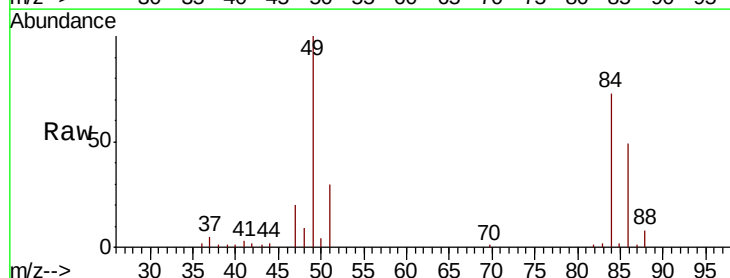
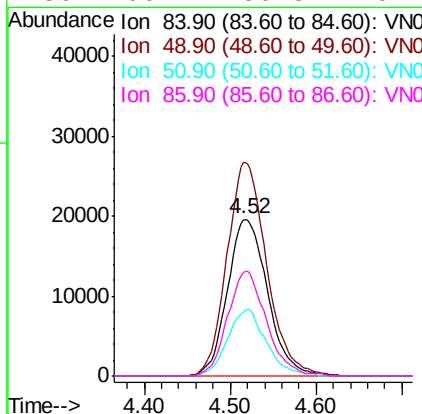
Manual Integrations  
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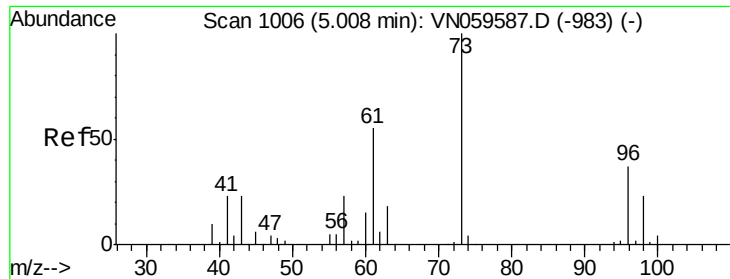
apatel  
12/17/2019 12:51:22 PM



#20  
Methylene Chloride  
Concen: 20.547 ug/l  
RT: 4.52 min Scan# 853  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Tgt Ion: 84 Resp: 63706  
Ion Ratio Lower Upper  
84 100  
49 136.2 106.6 160.0  
51 41.0 31.9 47.9  
86 66.1 50.8 76.2





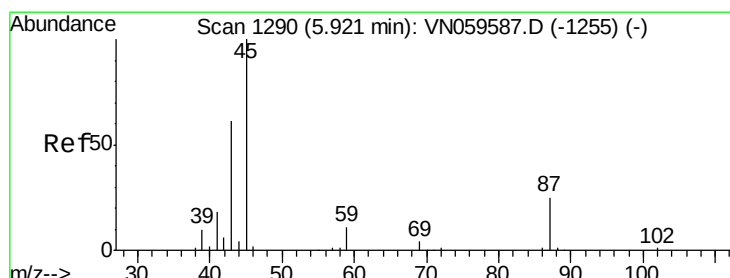
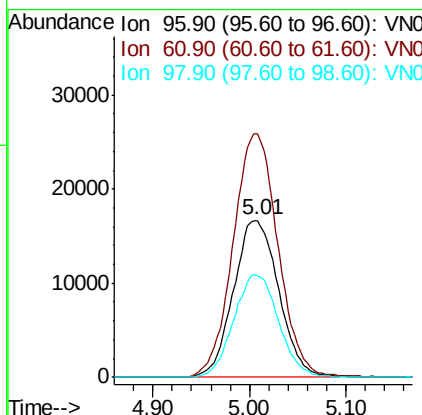
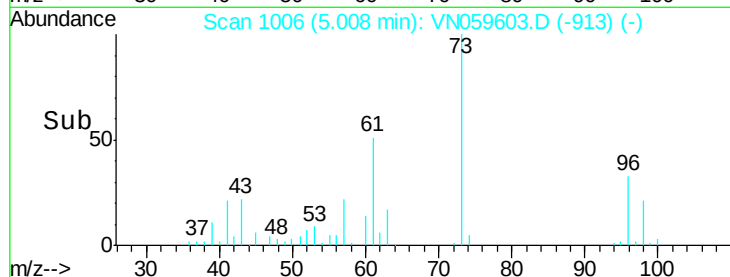
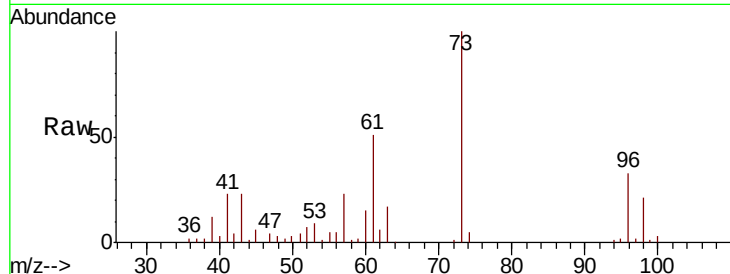
#21  
trans-1,2-Dichloroethene  
Concen: 18.627 ug/l  
RT: 5.01 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 154.9 | 120.4 | 180.6 |
| 98      | 64.4  | 50.6  | 75.8  |

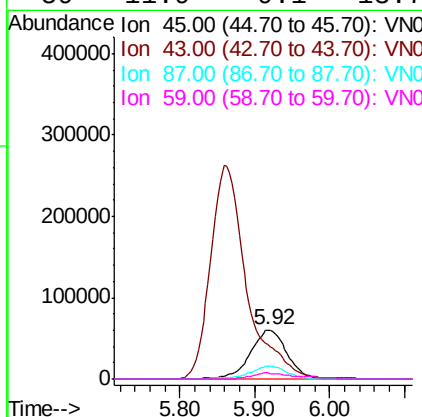
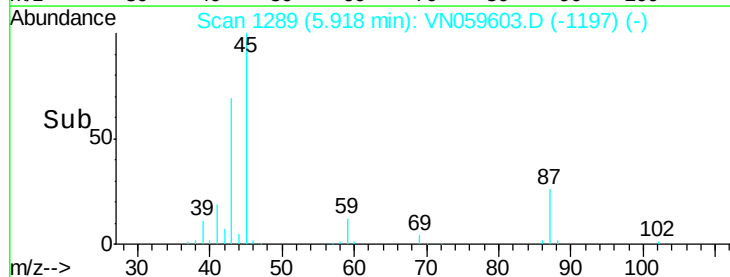
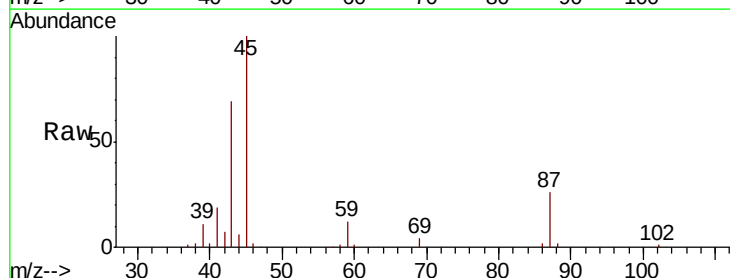
Manual Integrations  
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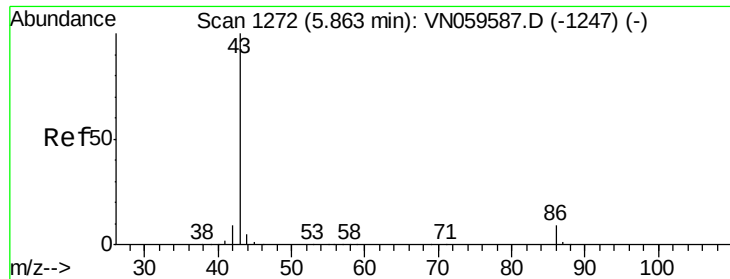


#22  
Diisopropyl ether  
Concen: 20.729 ug/l  
RT: 5.92 min Scan# 1289  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 67.1  | 50.8  | 76.2  |
| 87      | 26.1  | 21.0  | 31.6  |
| 59      | 11.9  | 9.1   | 13.7  |







#23

Vinyl Acetate

Concen: 114.156 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBSD03

Tot Ion: 43 Resp: 883667

Ion Ratio Lower Upper

43 100

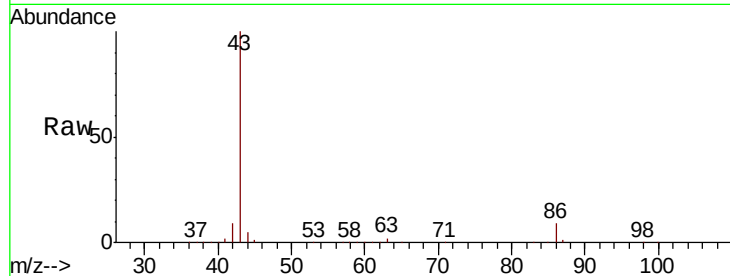
86 9.1 7.6 11.4

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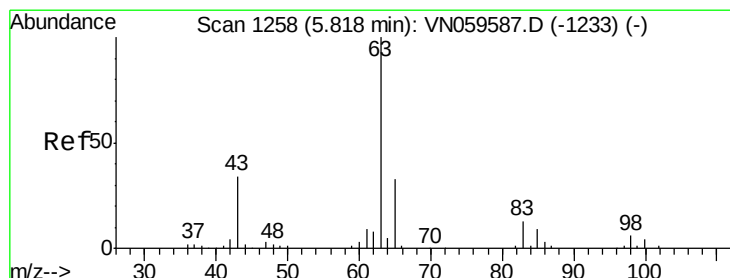
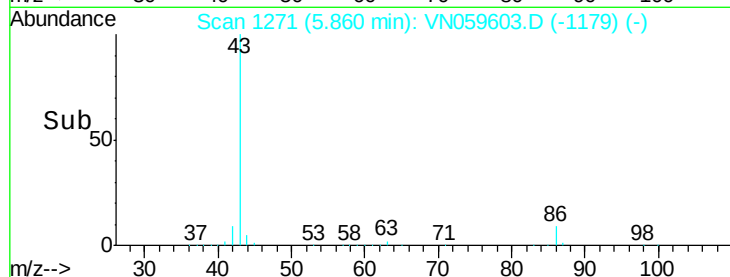
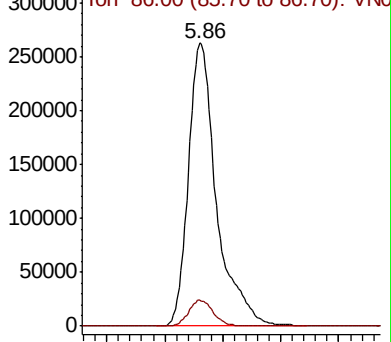
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Abundance Ion 43.00 (42.70 to 43.70): VN059603.D (-1179) (-)



#24

1,1-Dichloroethane

Concen: 20.026 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

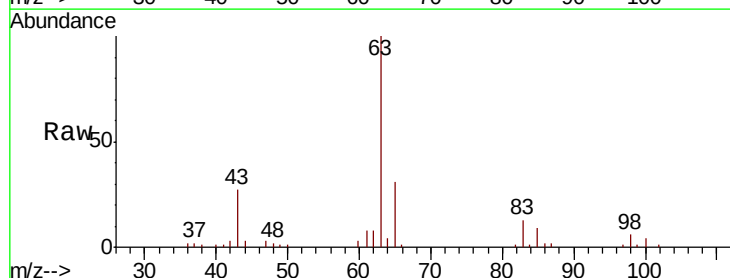
Tgt Ion: 63 Resp: 111893

Ion Ratio Lower Upper

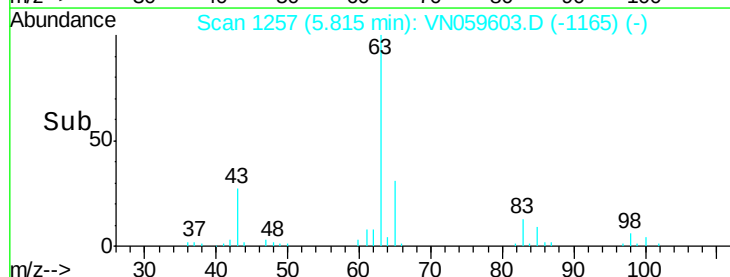
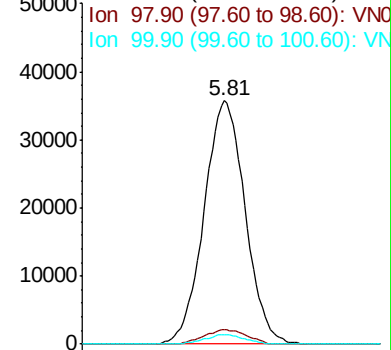
63 100

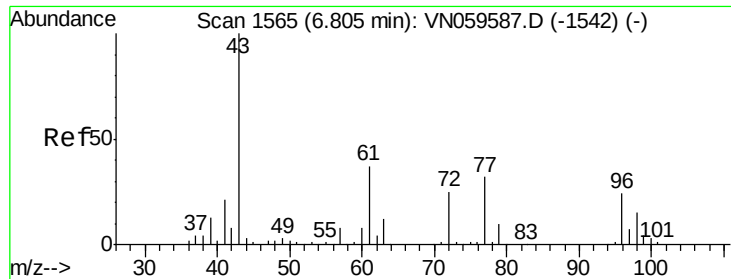
98 6.1 2.9 8.7

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059603.D (-1165) (-)





#25

2-Butanone

Concen: 91.433 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBSD03

Tot Ion: 43 Resp: 234719

Ion Ratio Lower Upper

43 100

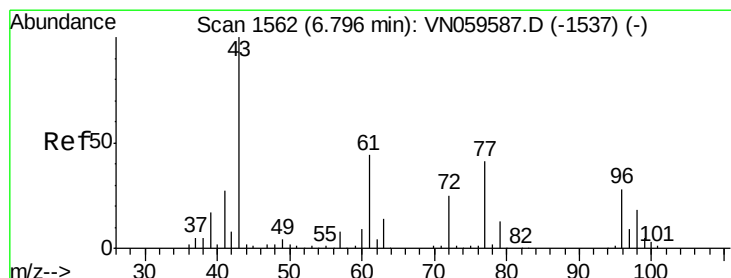
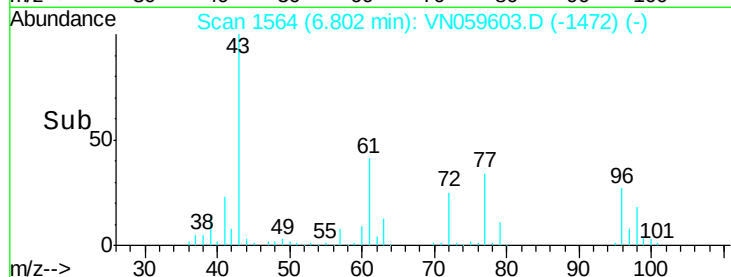
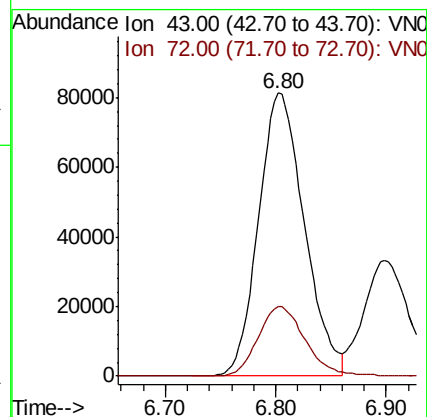
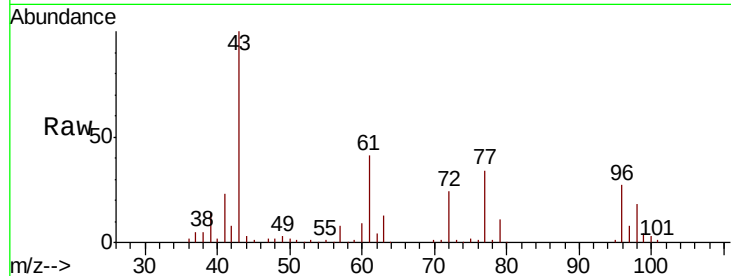
72 24.5 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.076 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059603.D

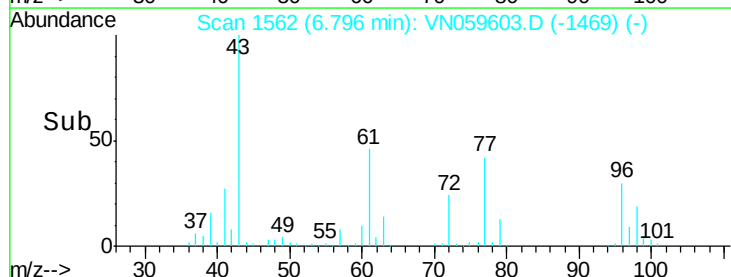
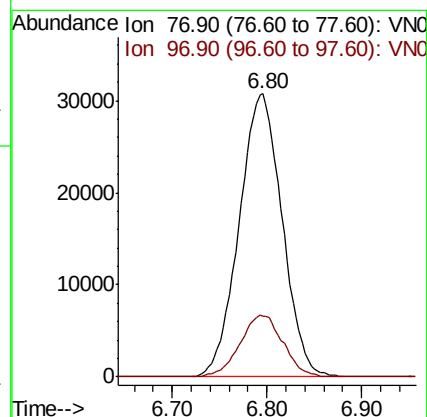
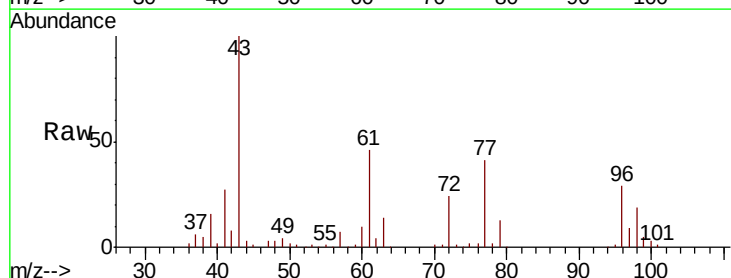
Acq: 16 Dec 2019 15:33

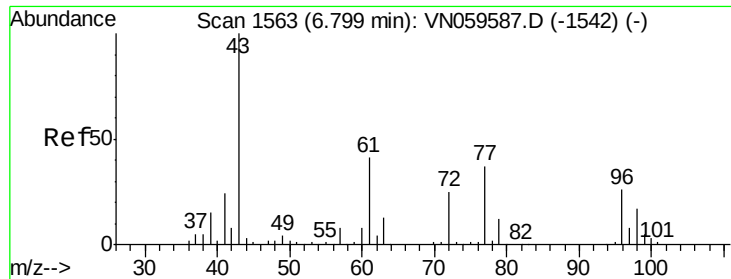
Tgt Ion: 77 Resp: 96872

Ion Ratio Lower Upper

77 100

97 21.8 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.001 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

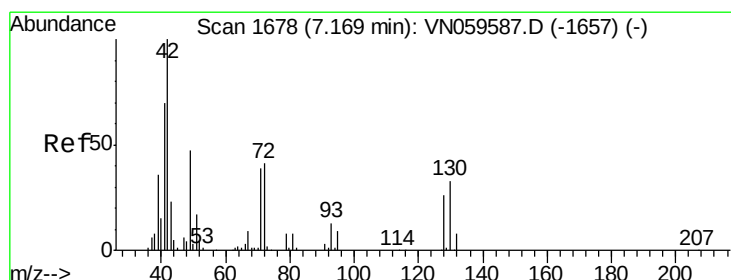
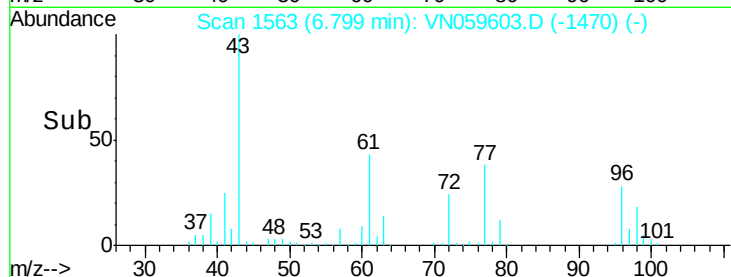
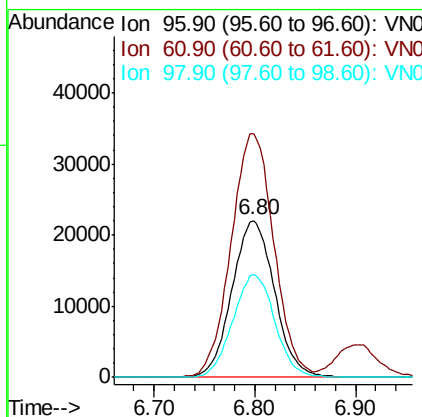
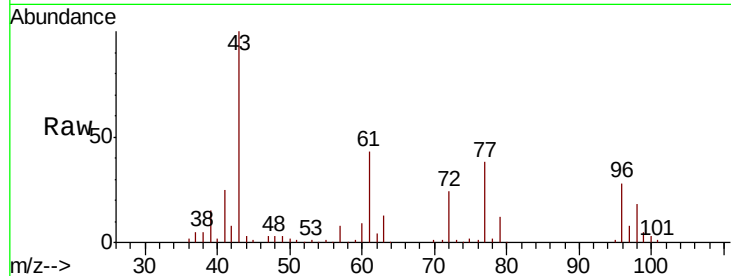
ClientSampleId :

VN1216WBSD03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 64394 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 156.9 | 0.0   | 317.6 |
| 98       | 64.7  | 0.0   | 127.0 |

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#28

Bromochloromethane

Concen: 36.779 ug/l

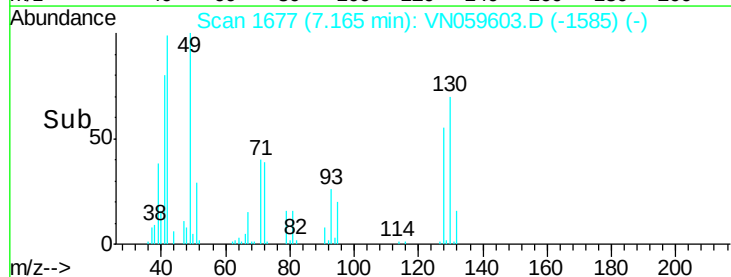
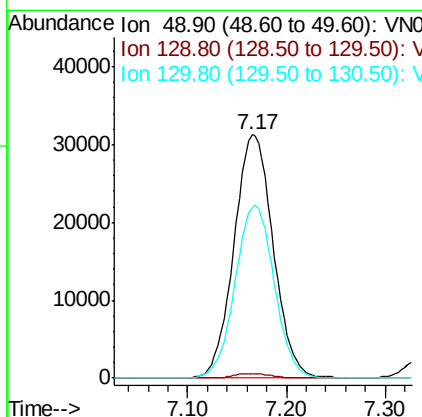
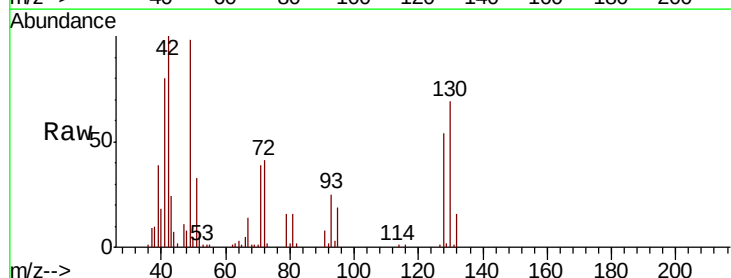
RT: 7.17 min Scan# 1677

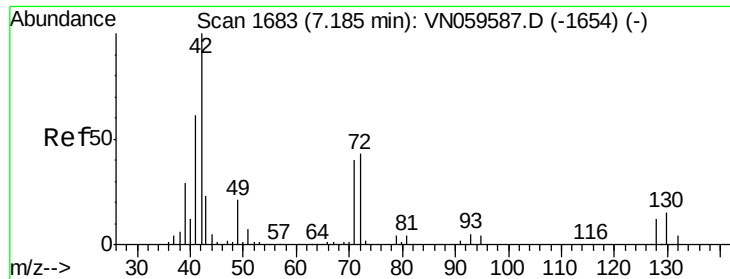
Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 86059 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.7   | 0.0   | 3.4   |
| 130      | 70.8  | 54.7  | 82.1  |





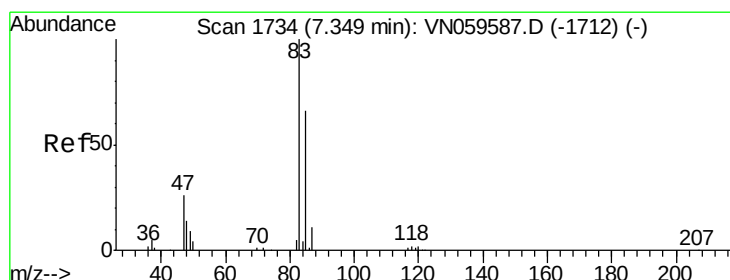
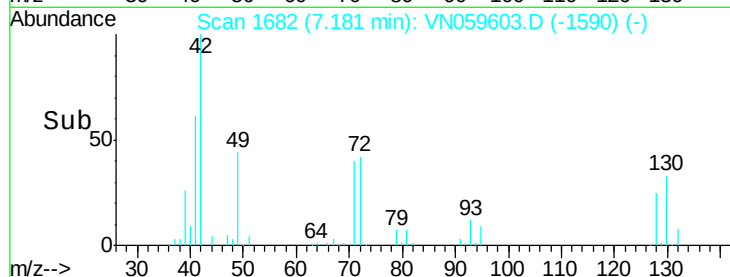
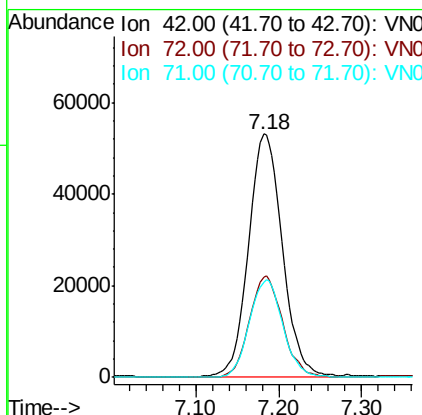
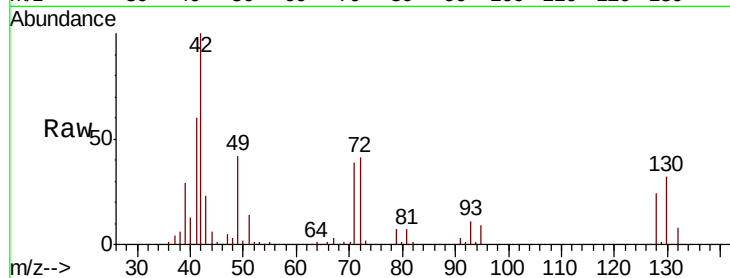
#29  
Tetrahydrofuran  
Concen: 96.692 ug/l  
RT: 7.18 min Scan# 1682  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.9  | 33.1  | 49.7  |
| 71      | 39.6  | 31.4  | 47.0  |

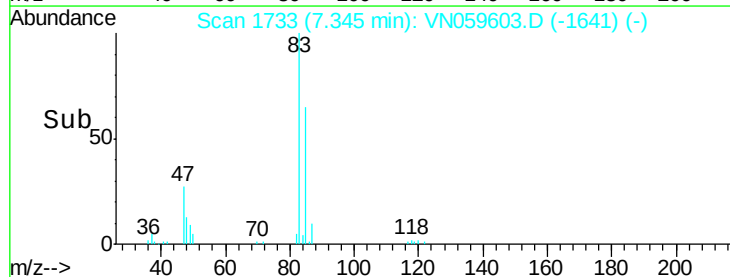
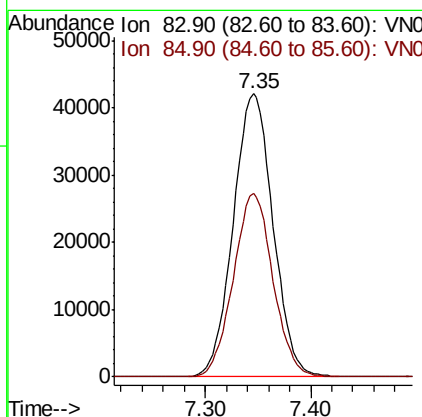
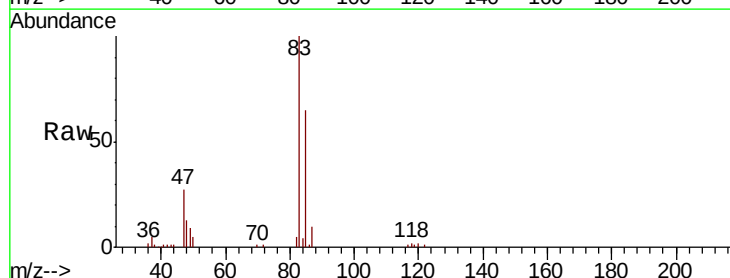
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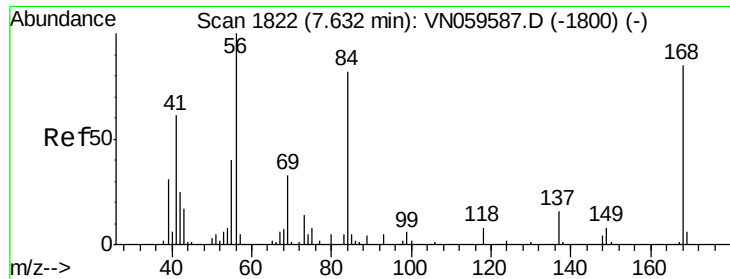
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#30  
Chloroform  
Concen: 20.005 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.9  | 52.4  | 78.6  |





#31

Cyclohexane

Concen: 18.292 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

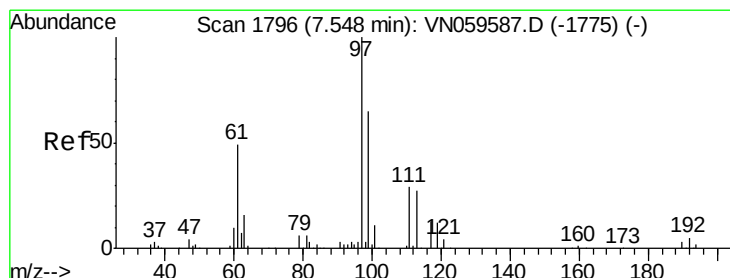
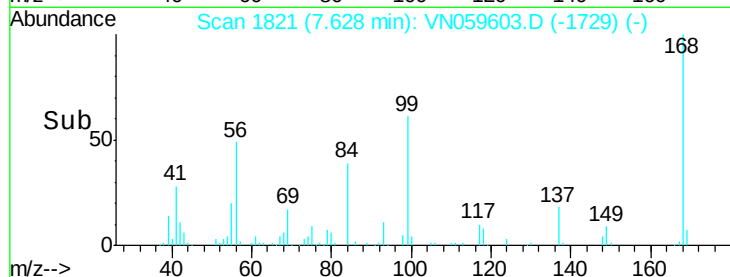
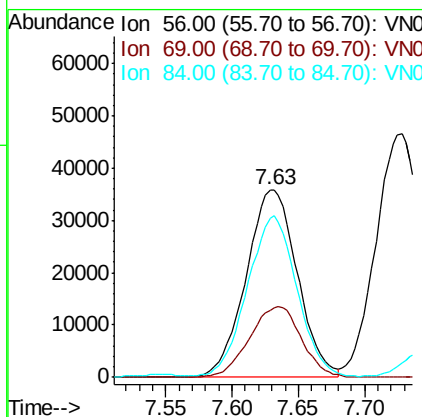
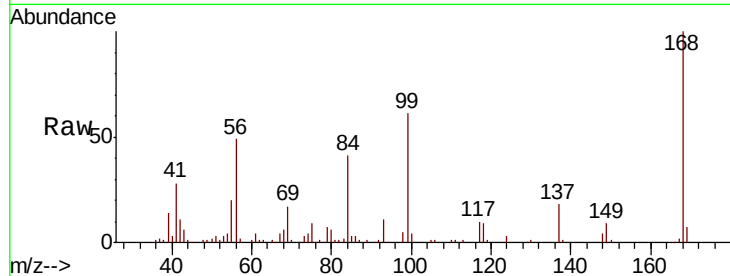
ClientSampleId :

VN1216WBSD03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 96574 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 36.0  | 26.5  | 39.7  |
| 84       | 84.1  | 65.3  | 97.9  |

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#32

1,1,1-Trichloroethane

Concen: 18.779 ug/l

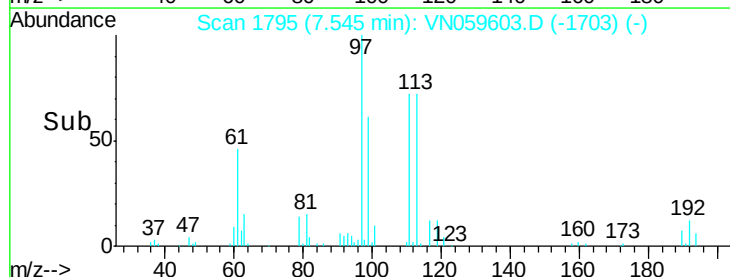
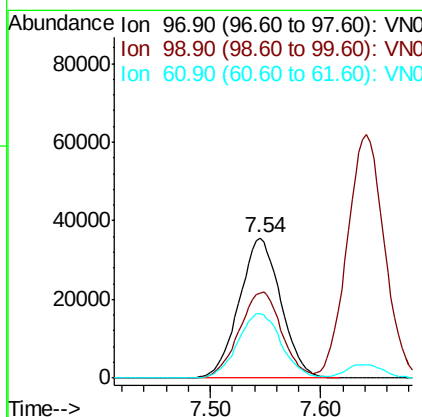
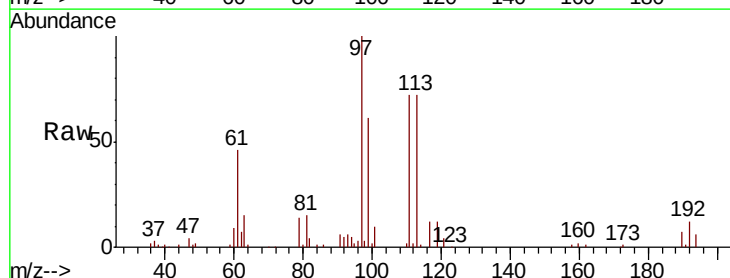
RT: 7.54 min Scan# 1795

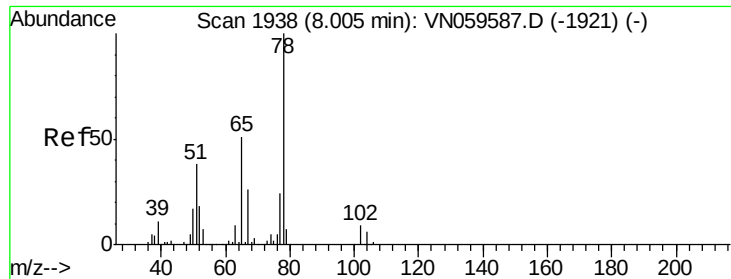
Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 93117 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.5  | 51.0  | 76.4  |
| 61       | 48.2  | 38.5  | 57.7  |





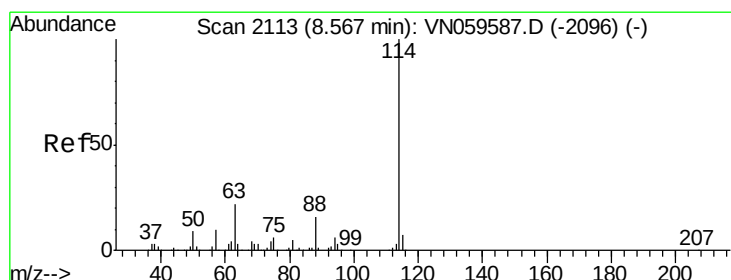
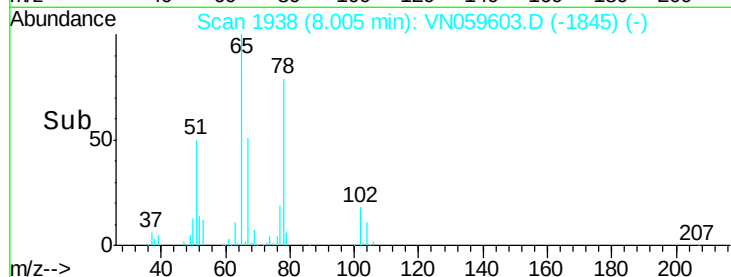
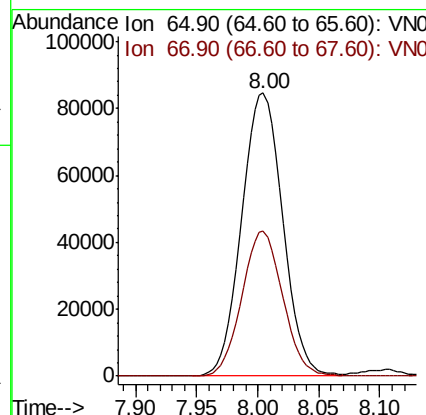
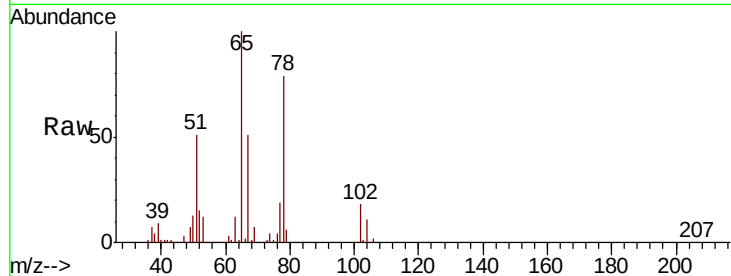
#33  
 1,2-Dichloroethane-d4  
 Concen: 54.593 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. -0.00 min  
 Lab File: VN059603.D  
 Acq: 16 Dec 2019 15:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1216WBSD03

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 197400 |       |       |
| 67      | 50.8  | 0.0    | 103.0 |       |

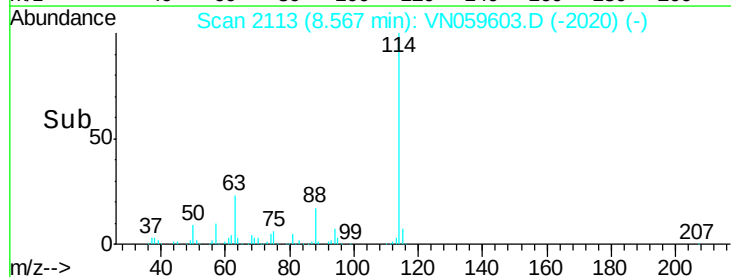
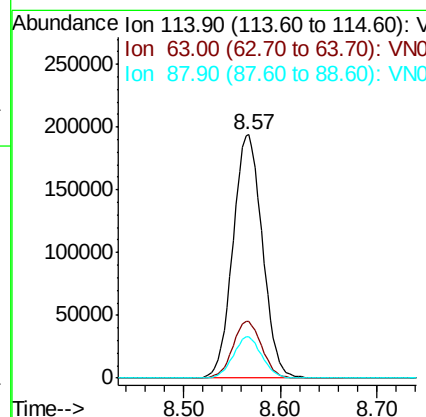
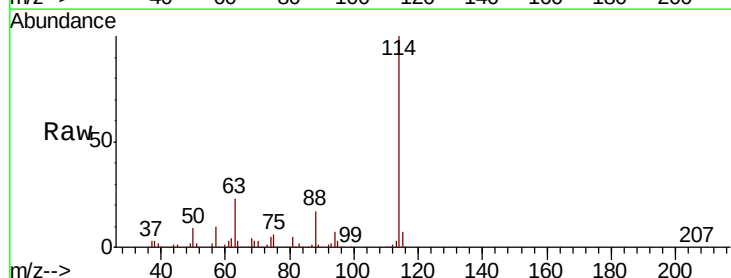
Manual Integrations  
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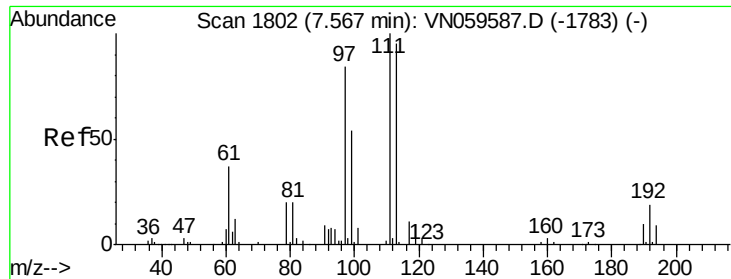
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. -0.00 min  
 Lab File: VN059603.D  
 Acq: 16 Dec 2019 15:33

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 409705 |       |       |
| 63      | 23.1  | 0.0    | 43.6  |       |
| 88      | 16.8  | 0.0    | 31.4  |       |





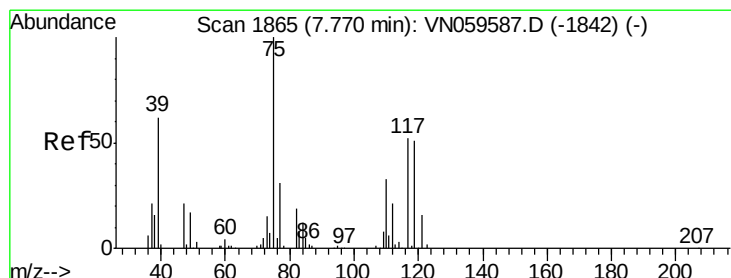
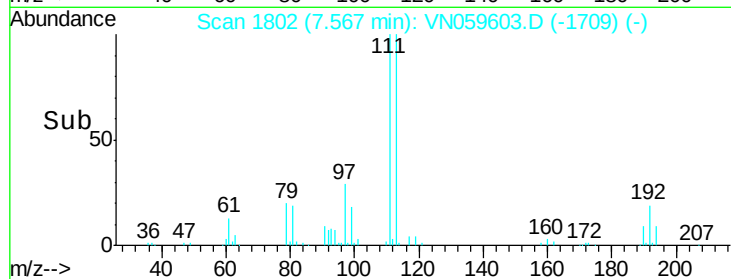
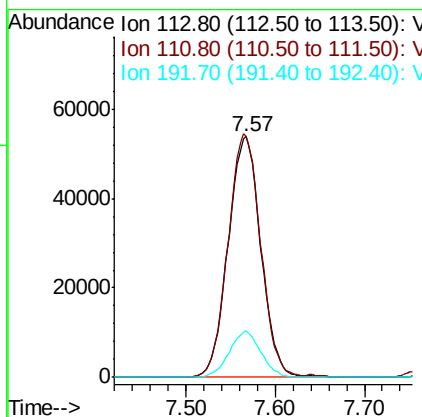
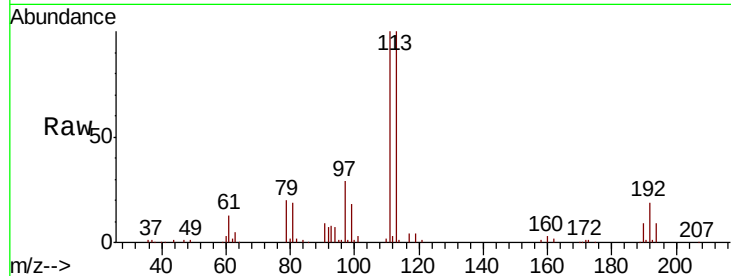
#35  
 Dibromofluoromethane  
 Concen: 53.386 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: VN059603.D  
 Acq: 16 Dec 2019 15:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1216WBSD03

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 100.7 | 83.5 | 125.3 |       |
| 192     | 18.5  | 15.4 | 23.2  |       |

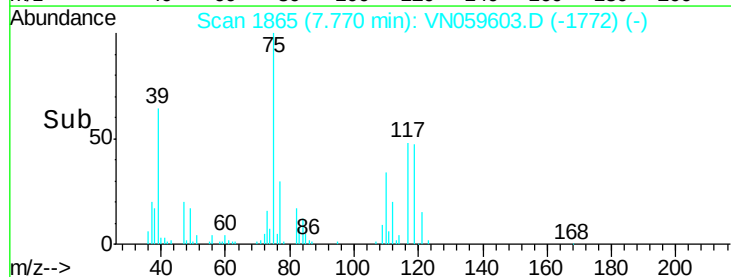
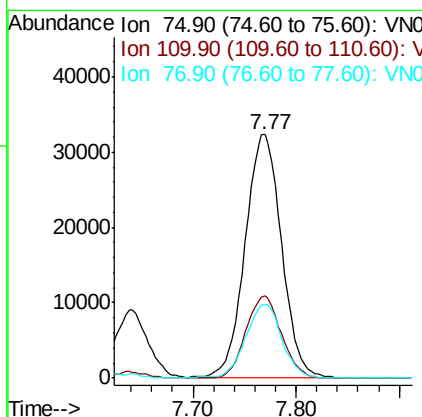
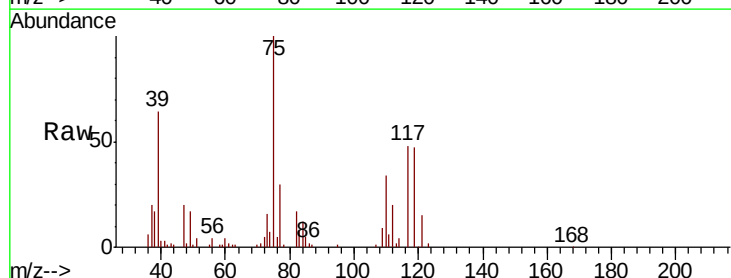
Manual Integrations  
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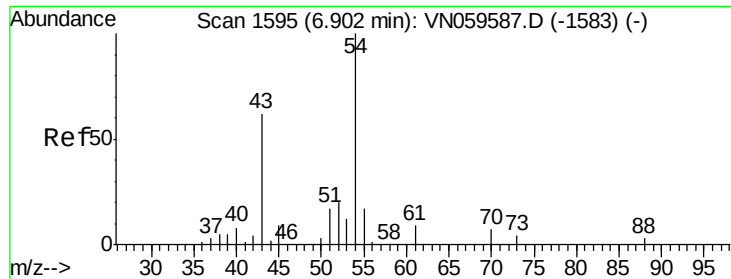
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#36  
 1,1-Dichloropropene  
 Concen: 18.578 ug/l  
 RT: 7.77 min Scan# 1865  
 Delta R.T. -0.00 min  
 Lab File: VN059603.D  
 Acq: 16 Dec 2019 15:33

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 32.8  | 16.6 | 49.7  |       |
| 77      | 29.9  | 25.1 | 37.7  |       |





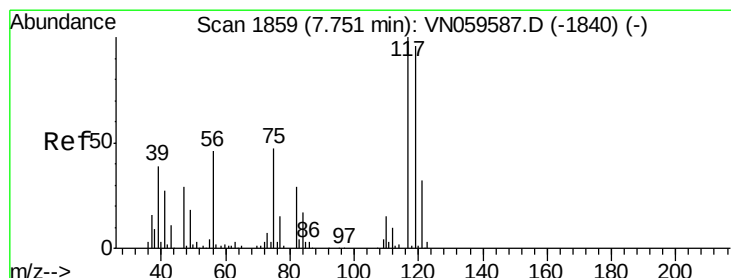
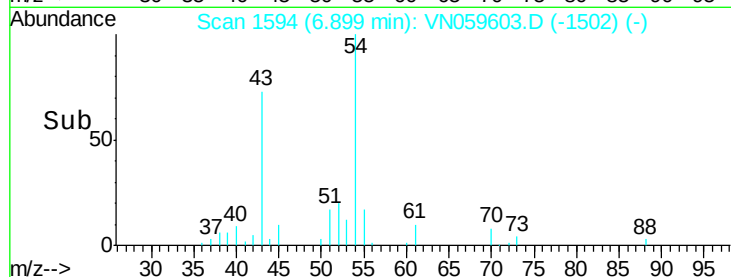
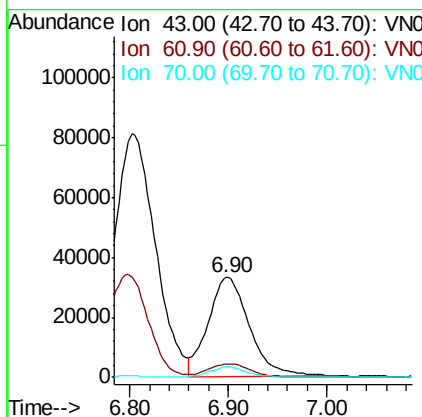
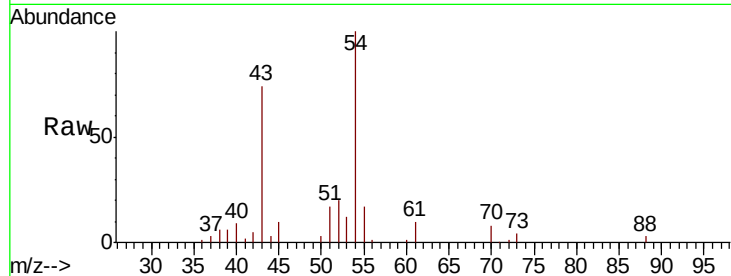
#37  
Ethyl Acetate  
Concen: 19.392 ug/l  
RT: 6.90 min Scan# 1594  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

| Tot Ion   | 43   | Resp  | 96297 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 43        | 100  |       |       |
| 61        | 14.2 | 10.9  | 16.3  |
| 70        | 9.5  | 7.7   | 11.5  |

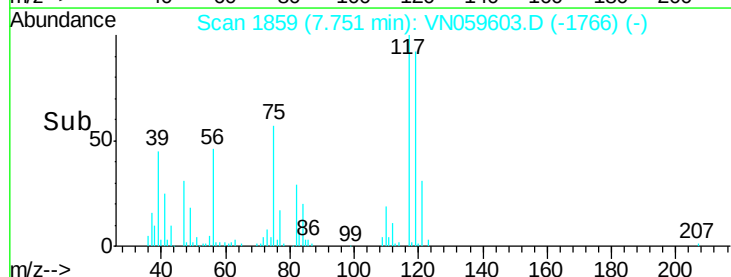
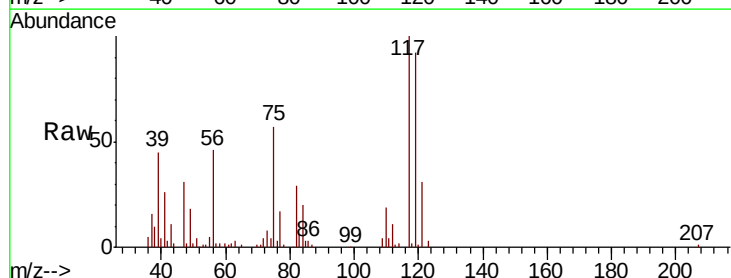
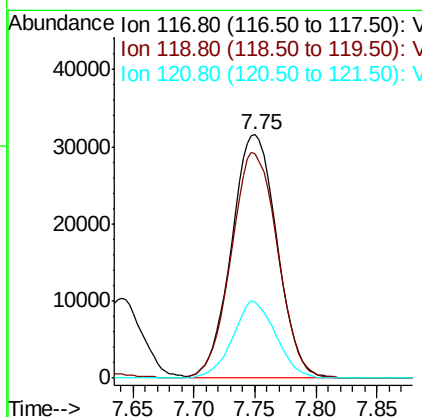
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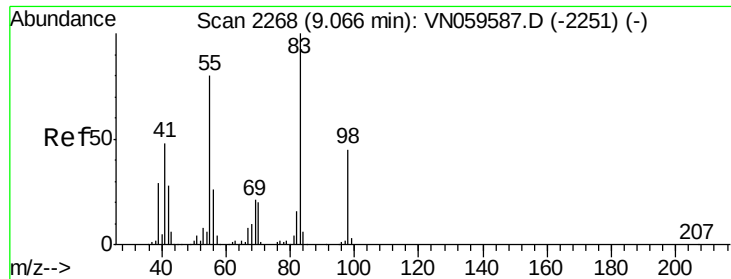


#38  
Carbon Tetrachloride  
Concen: 18.394 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

| Tgt Ion   | 117  | Resp  | 81553 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 117       | 100  |       |       |
| 119       | 92.0 | 76.5  | 114.7 |
| 121       | 31.4 | 25.1  | 37.7  |







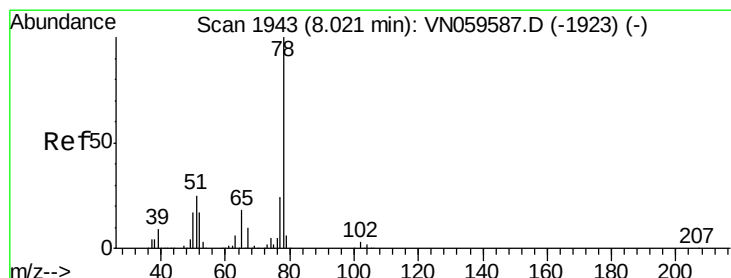
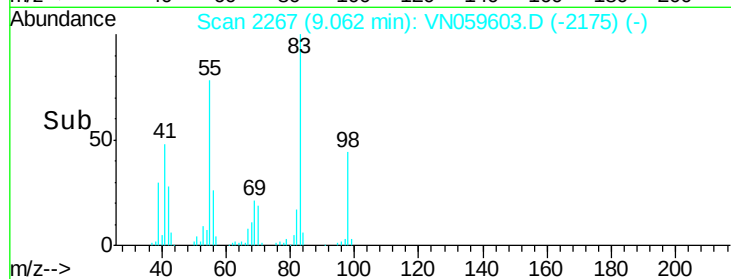
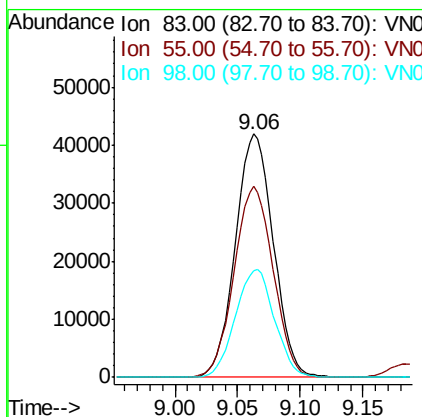
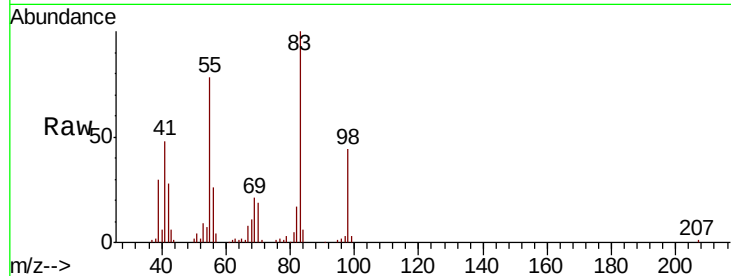
#39  
Methylvlcyclohexane  
Concen: 18.245 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

| Tot Ion | 83.00 | Resp  | 88421 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 78.3  | 64.2  | 96.2  |
| 98      | 43.6  | 35.9  | 53.9  |

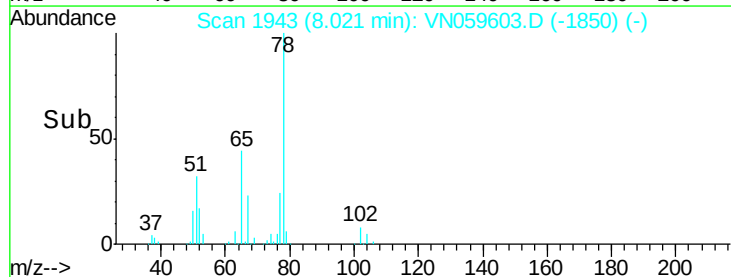
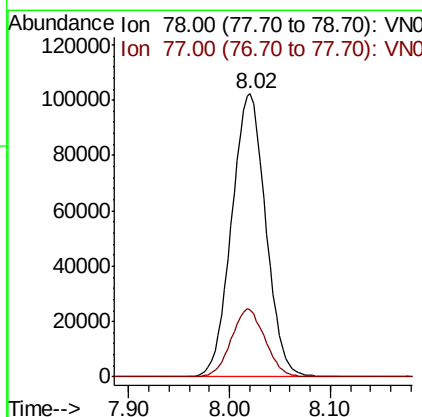
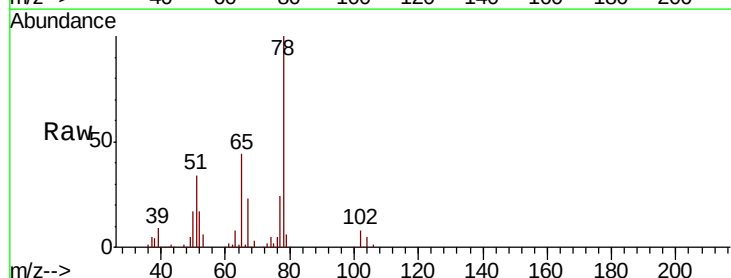
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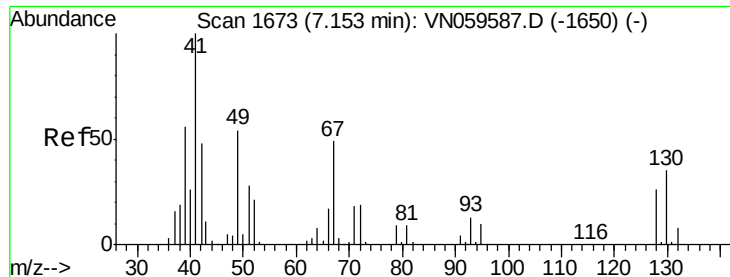
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#40  
Benzene  
Concen: 19.229 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

| Tgt Ion | 78.00 | Resp  | 240102 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 23.8  | 18.9  | 28.3   |





#41

Methacrylonitrile

Concen: 16.872 ug/l m

RT: 7.15 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBSD03

Tot Ion: 41 Resp: 34578

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

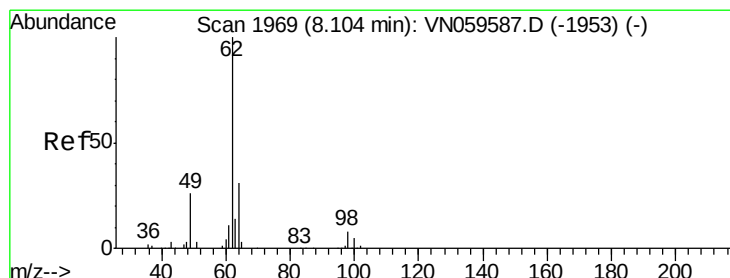
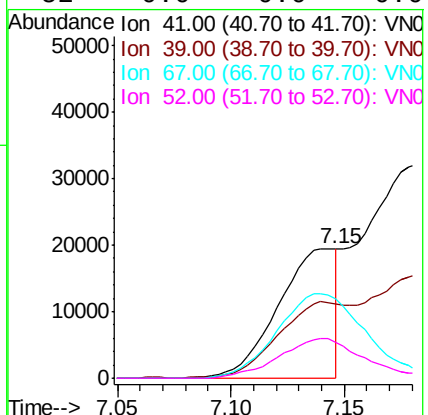
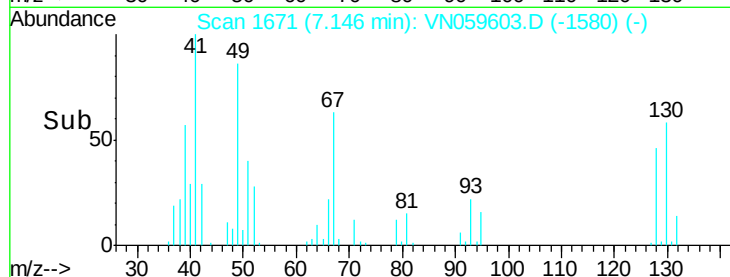
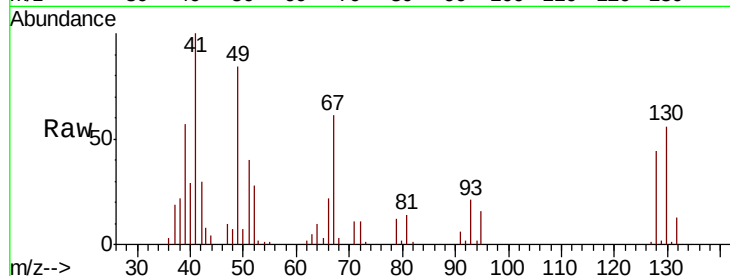
52 0.0 0.0 0.0

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#42

1,2-Dichloroethane

Concen: 20.319 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN059603.D

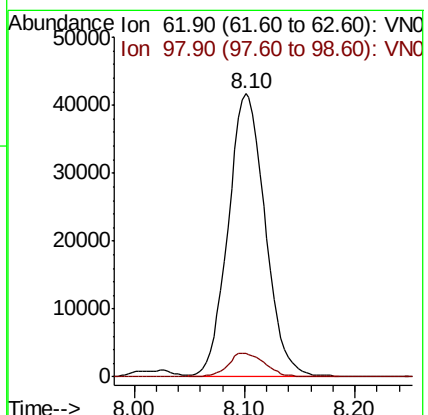
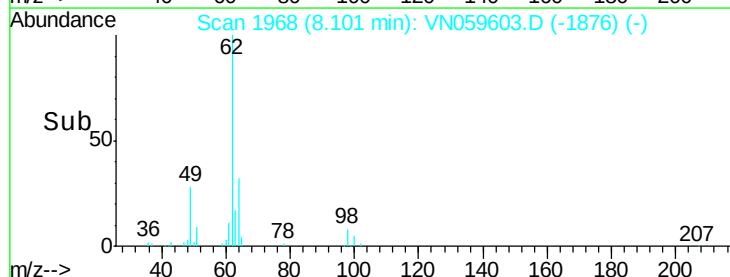
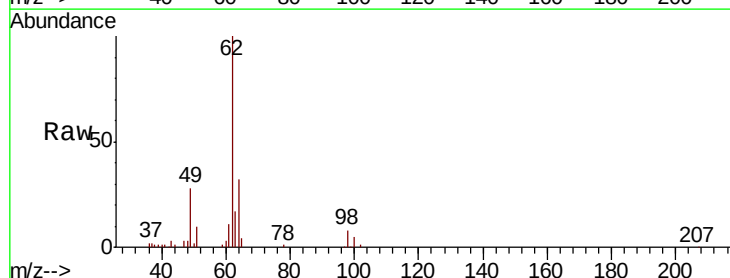
Acq: 16 Dec 2019 15:33

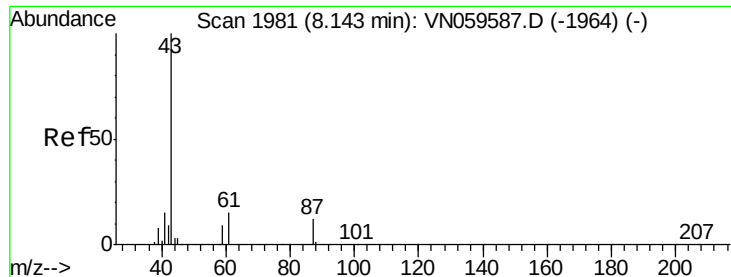
Tgt Ion: 62 Resp: 97160

Ion Ratio Lower Upper

62 100

98 8.3 0.0 15.8





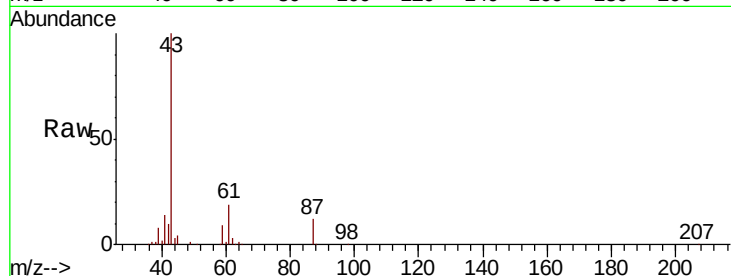
#43  
Isopropyl Acetate  
Concen: 19.616 ug/l  
RT: 8.14 min Scan# 1981  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

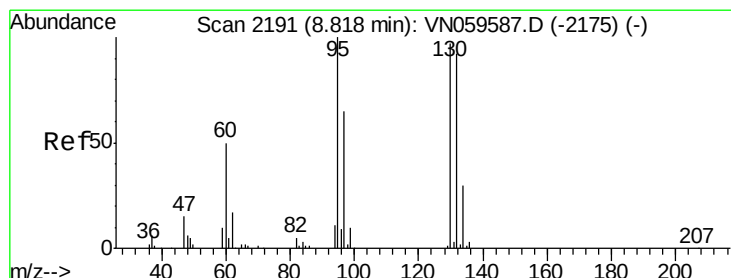
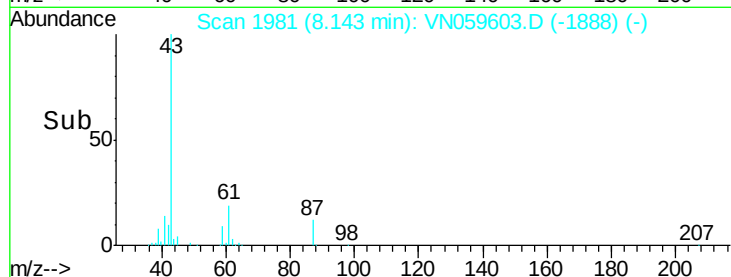
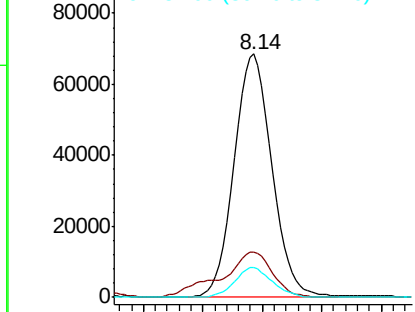
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 25.2  | 20.2  | 30.2  |
| 87      | 12.1  | 9.5   | 14.3  |

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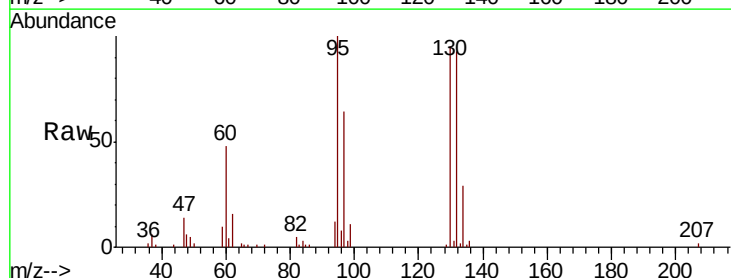


Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1964) (-)  
Ion 61.00 (60.70 to 61.70): VN059587.D (-1964) (-)  
Ion 87.00 (86.70 to 87.70): VN059587.D (-1964) (-)

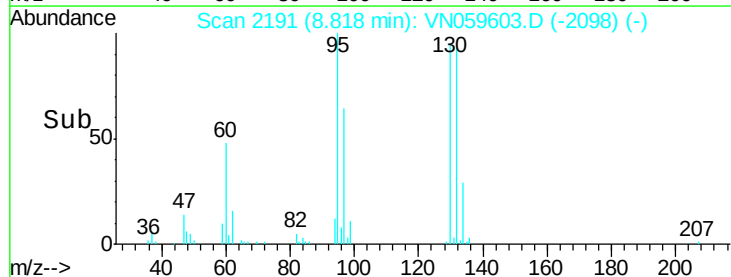
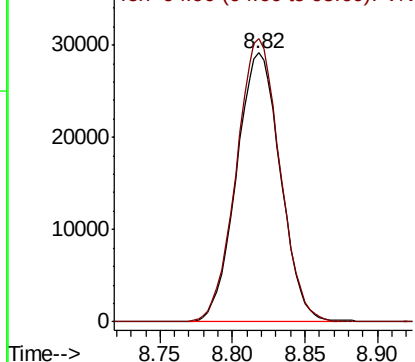


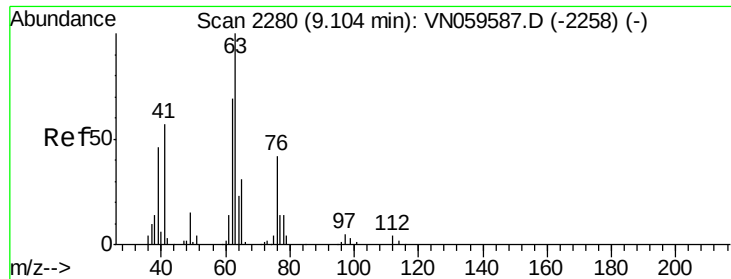
#44  
Trichloroethene  
Concen: 18.781 ug/l  
RT: 8.82 min Scan# 2191  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 105.2 | 0.0   | 207.0 |



Abundance Ion 129.80 (129.50 to 130.50): VN059587.D (-2175) (-)  
Ion 94.90 (94.60 to 95.60): VN059587.D (-2175) (-)





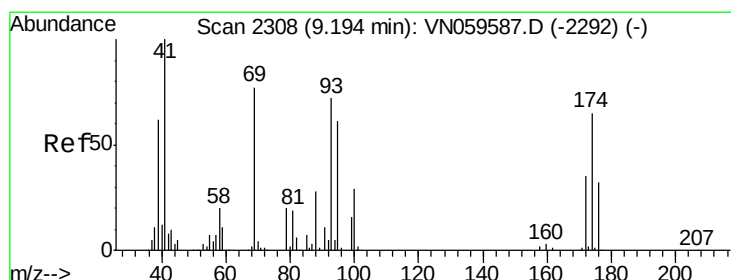
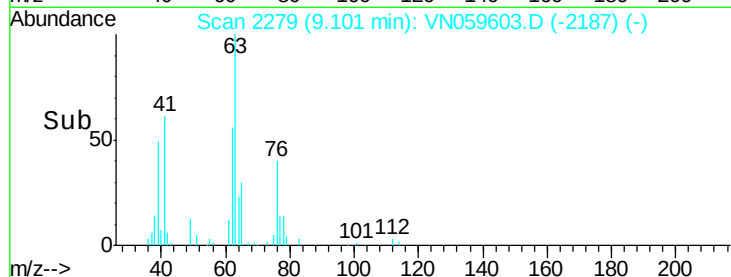
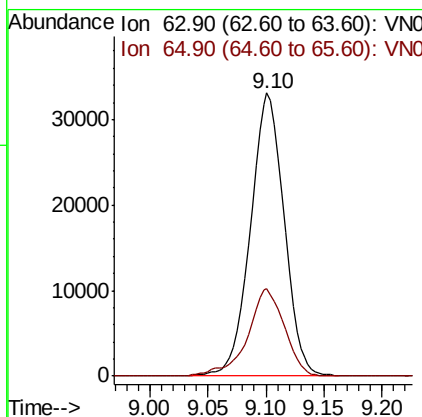
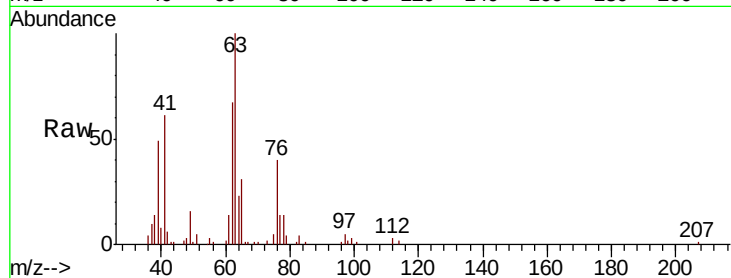
#45  
 1,2-Dichloropropane  
 Concen: 19.911 ug/l  
 RT: 9.10 min Scan# 2279  
 Delta R.T. -0.00 min  
 Lab File: VN059603.D  
 Acq: 16 Dec 2019 15:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1216WBSD03

Tot Ion: 63 Resp: 67134  
 Ion Ratio Lower Upper  
 63 100  
 65 30.8 24.9 37.3

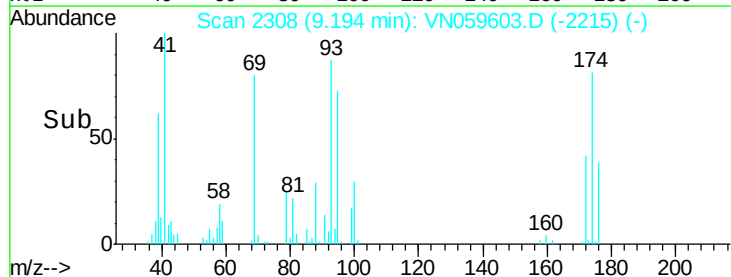
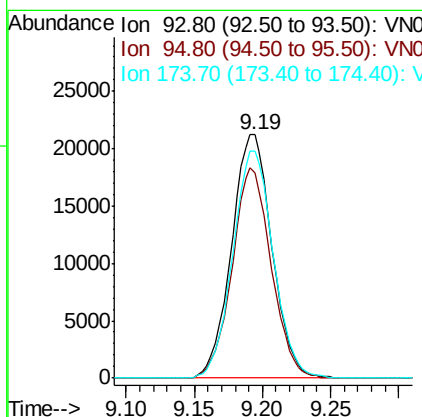
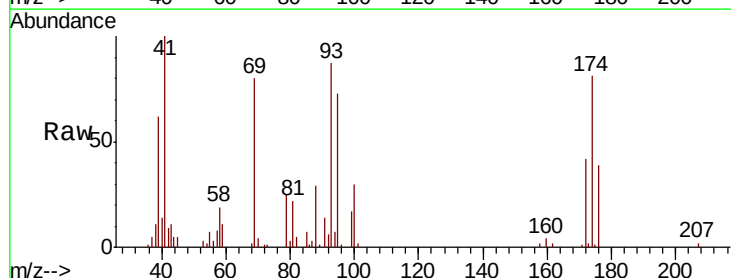
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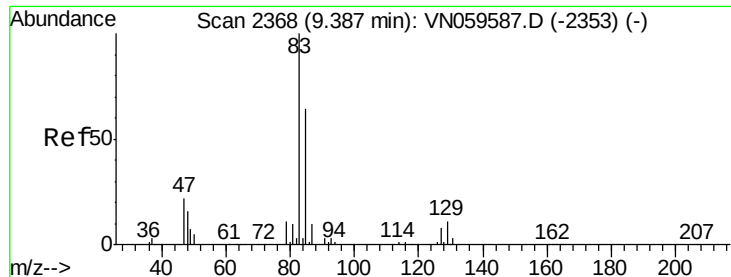
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#46  
 Dibromomethane  
 Concen: 19.794 ug/l  
 RT: 9.19 min Scan# 2308  
 Delta R.T. -0.00 min  
 Lab File: VN059603.D  
 Acq: 16 Dec 2019 15:33

Tgt Ion: 93 Resp: 43724  
 Ion Ratio Lower Upper  
 93 100  
 95 83.2 67.0 100.6  
 174 93.1 73.4 110.2





#47

Bromodichloromethane

Concen: 20.191 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

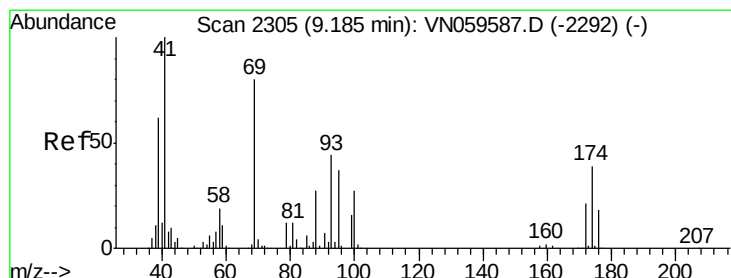
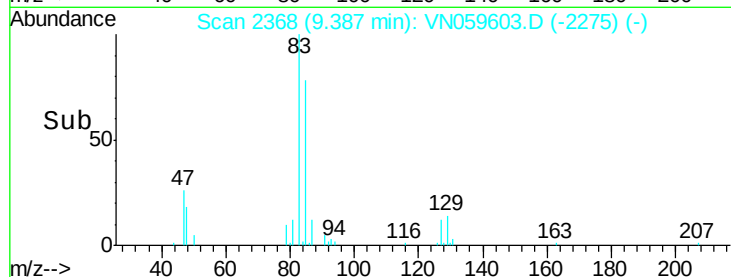
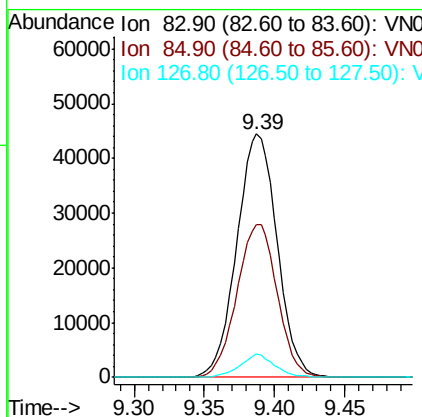
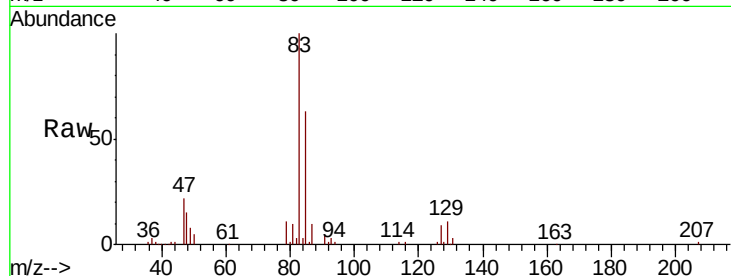
ClientSampleId :

VN1216WBSD03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 88925 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 62.7  | 51.1  | 76.7  |
| 127       | 9.5   | 6.6   | 9.8   |

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#48

Methyl methacrylate

Concen: 18.663 ug/l

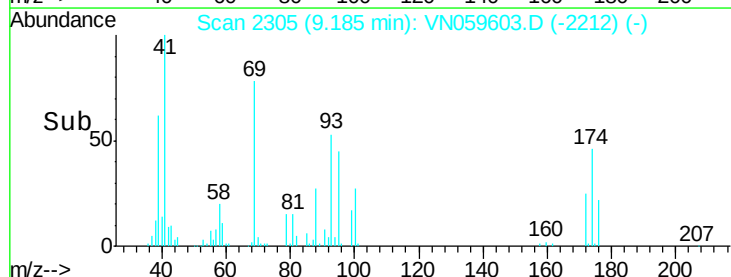
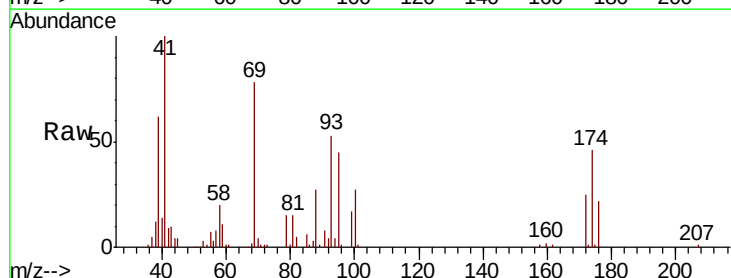
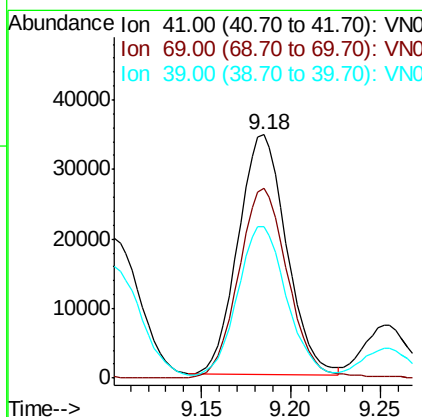
RT: 9.18 min Scan# 2305

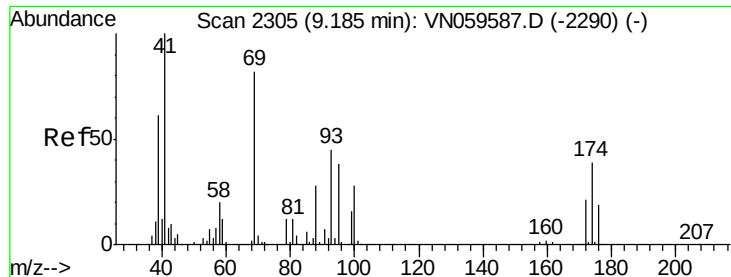
Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 65374 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 80.9  | 64.4  | 96.6  |
| 39        | 64.4  | 51.3  | 76.9  |





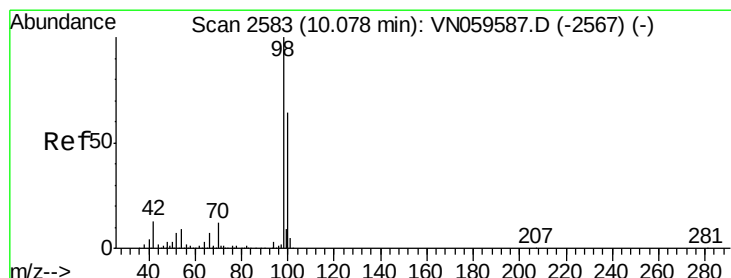
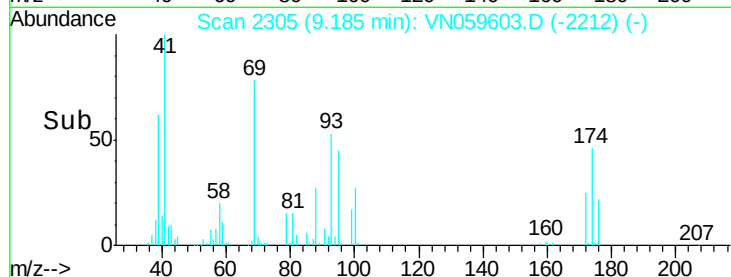
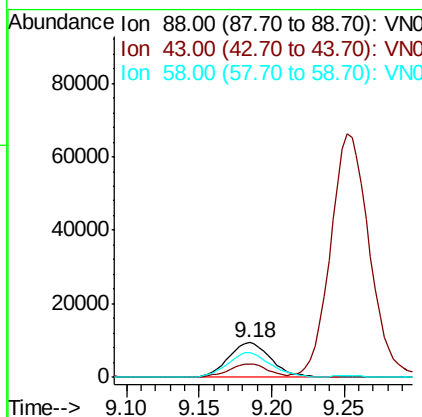
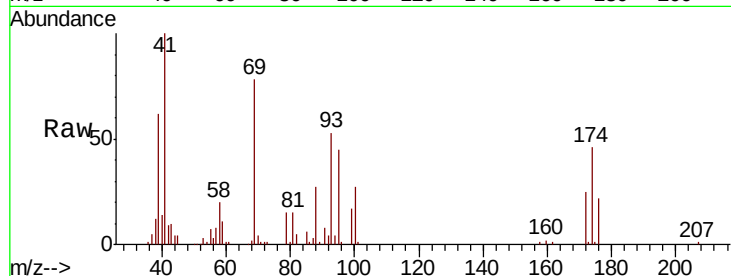
#49  
1,4-Dioxane  
Concen: 388.202 ug/l  
RT: 9.18 min Scan# 2305  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

| Tot Ion   | 88    | Resp  | 19487 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 36.2  | 29.7  | 44.5  |
| 58        | 72.6  | 56.6  | 85.0  |

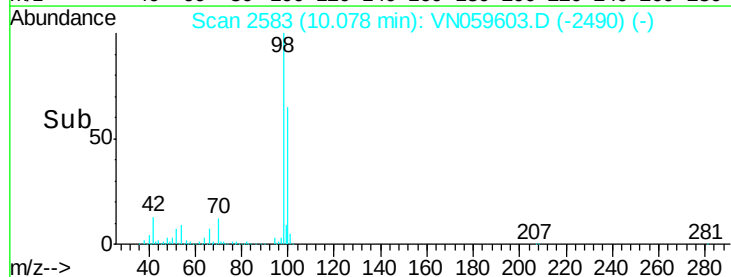
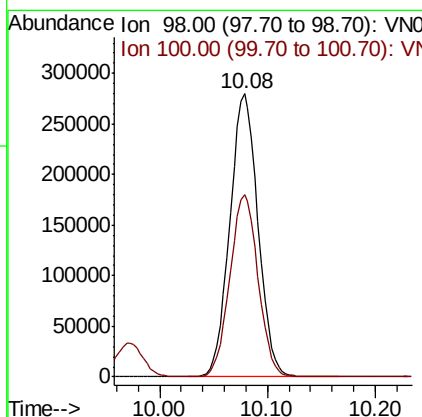
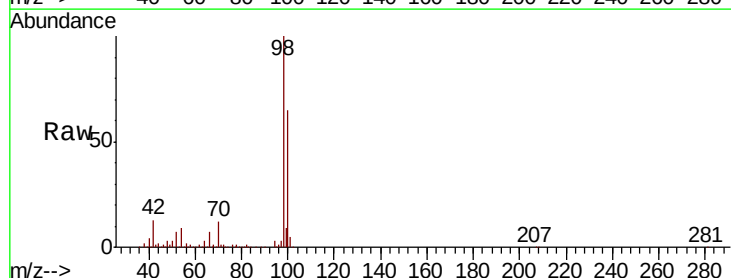
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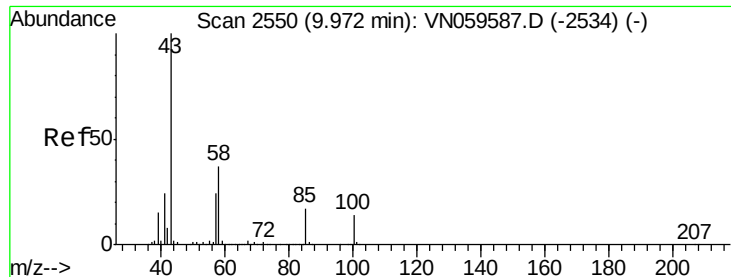
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#50  
Toluene-d8  
Concen: 50.228 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

| Tgt Ion   | 98    | Resp  | 509775 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 64.6  | 51.2  | 76.8   |





#51

4-Methyl-2-Pentanone

Concen: 99.602 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBSD03

Tot Ion: 43 Resp: 458493

Ion Ratio Lower Upper

43 100

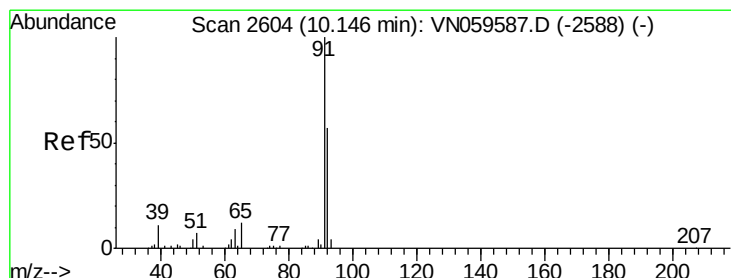
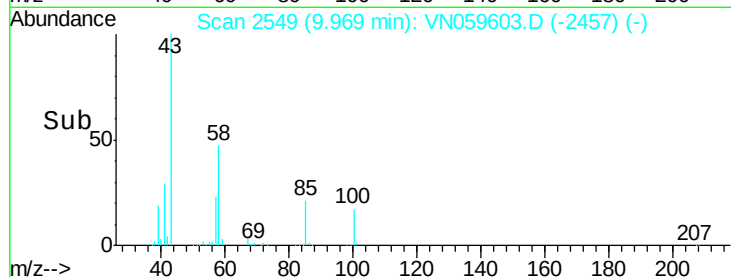
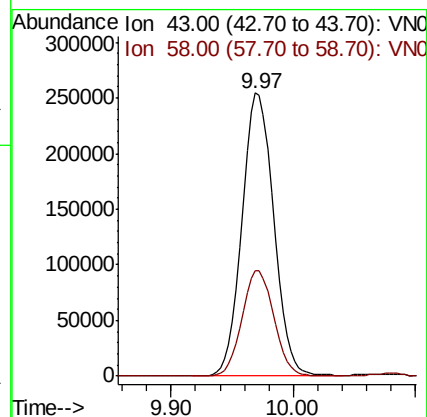
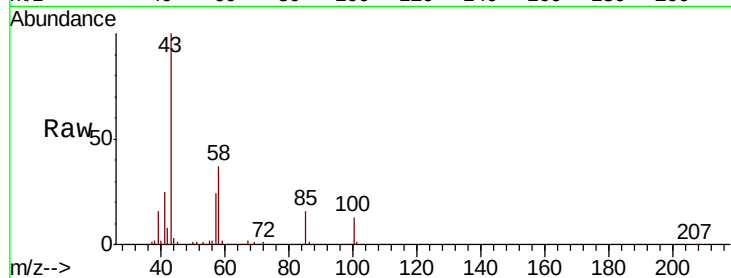
58 37.2 29.8 44.8

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#52

Toluene

Concen: 18.869 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059603.D

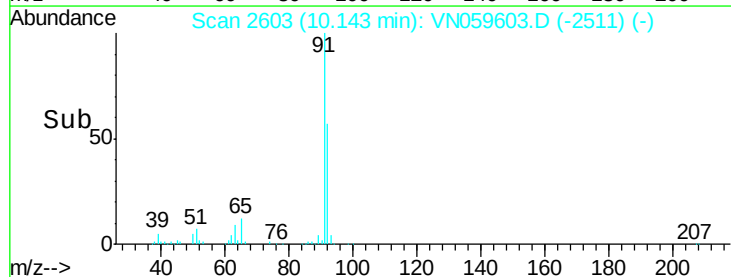
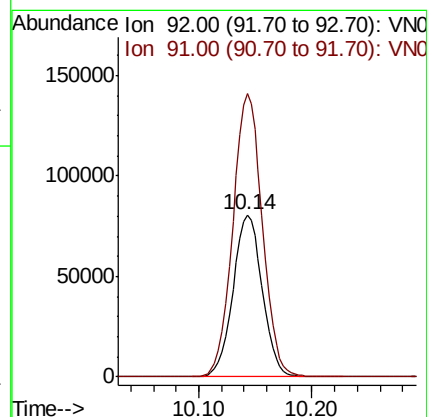
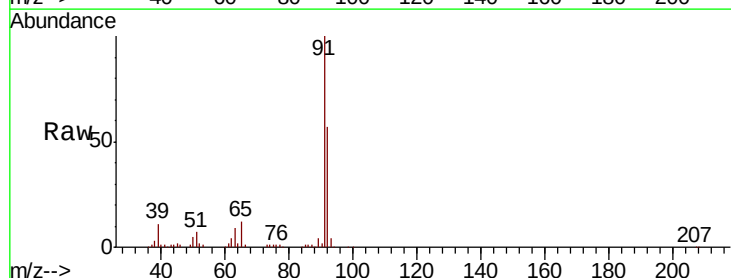
Acq: 16 Dec 2019 15:33

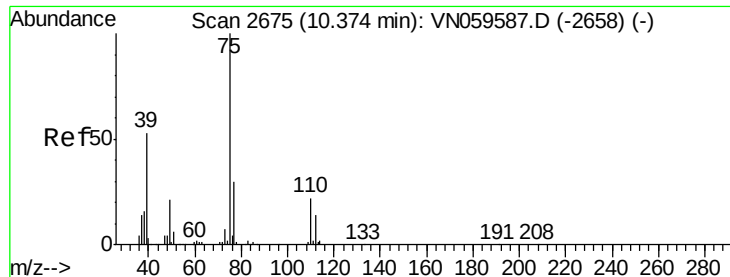
Tgt Ion: 92 Resp: 144759

Ion Ratio Lower Upper

92 100

91 176.2 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 19.857 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBSD03

Tot Ion: 75 Resp: 101143

Ion Ratio Lower Upper

75 100

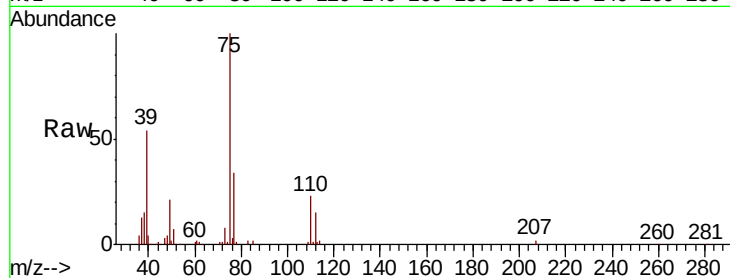
77 33.4 25.4 38.2

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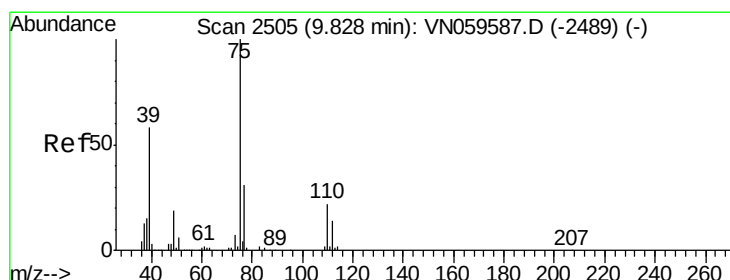
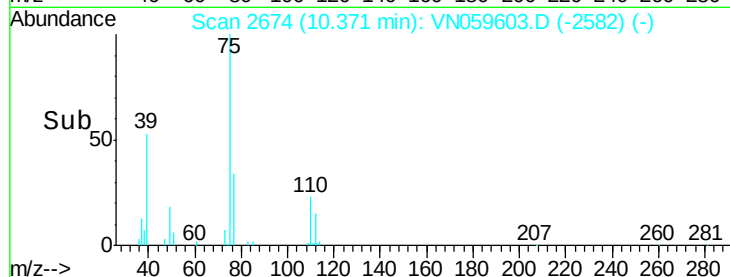
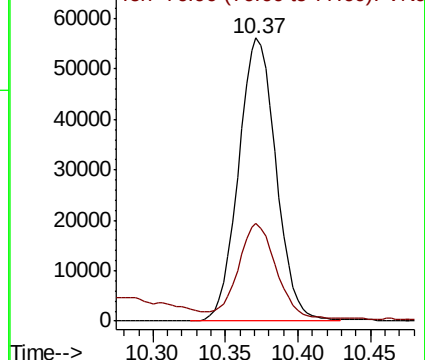
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.759 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

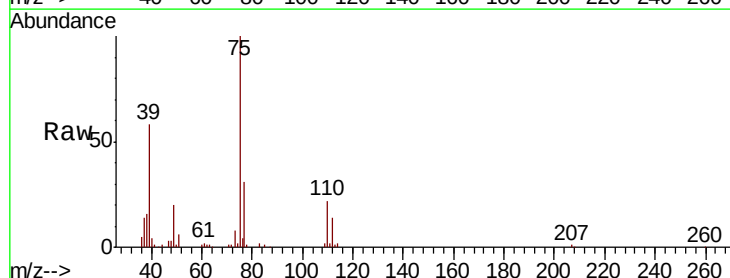
Tgt Ion: 75 Resp: 105791

Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7

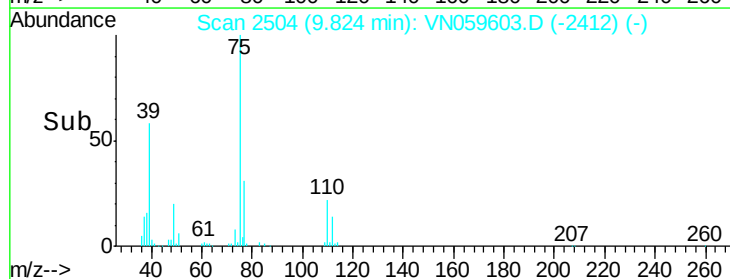
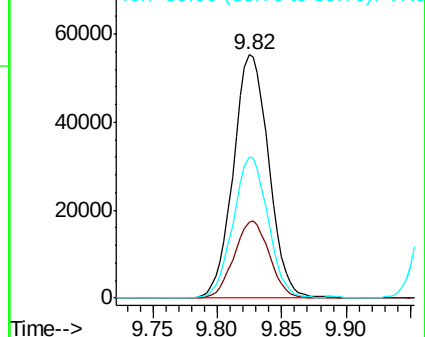
39 58.2 46.1 69.1



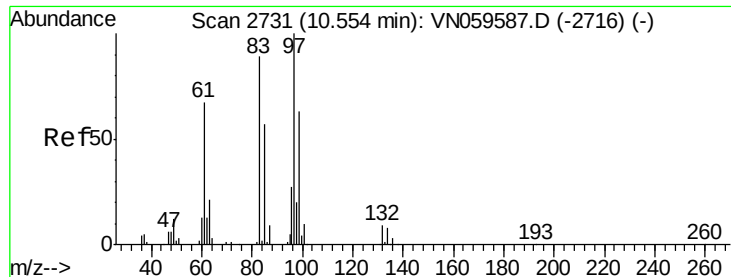
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0







#55

1,1,2-Trichloroethane

Concen: 20.179 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

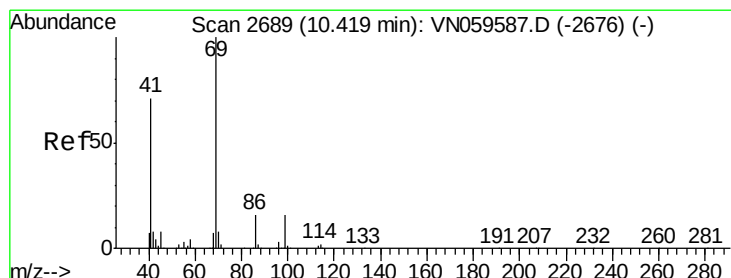
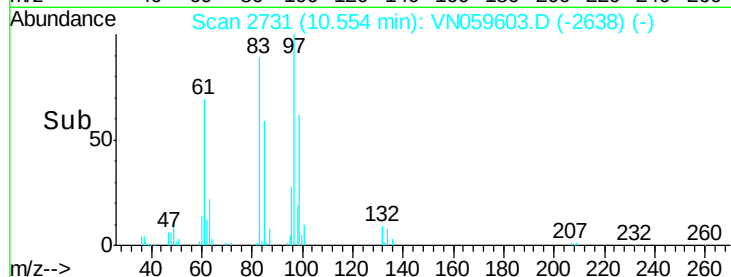
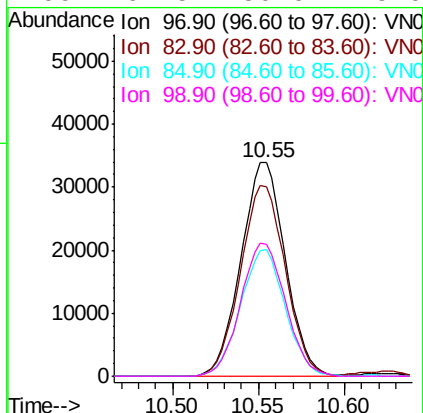
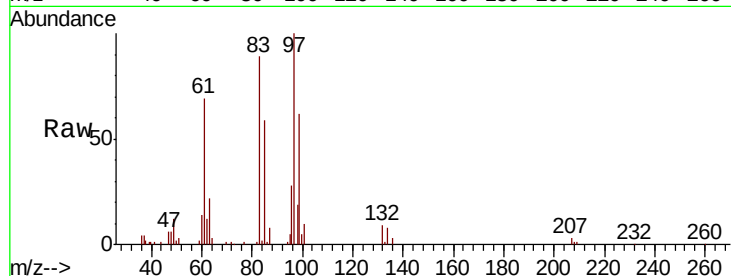
ClientSampleId :

VN1216WBSD03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 60748 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.8  | 71.3  | 106.9 |
| 85       | 59.1  | 45.8  | 68.8  |
| 99       | 61.5  | 50.0  | 75.0  |

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#56

Ethyl methacrylate

Concen: 19.933 ug/l

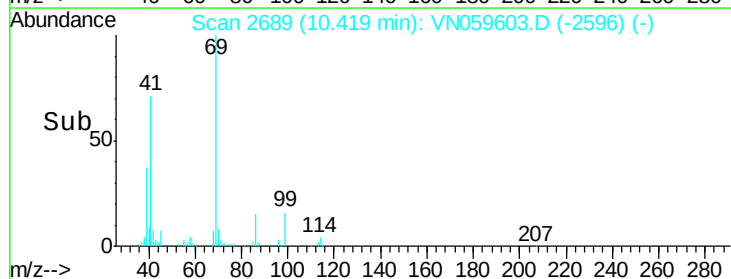
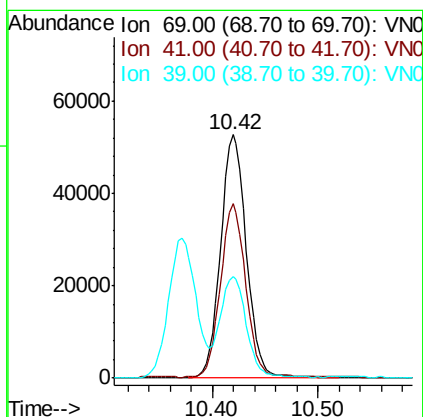
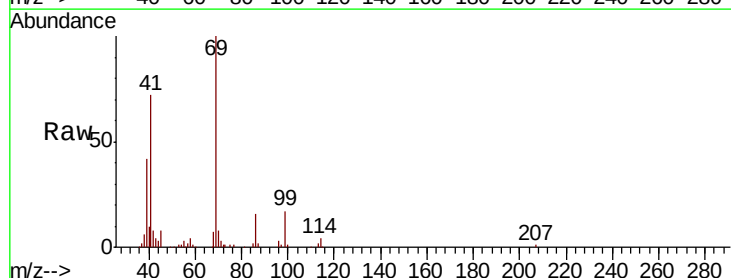
RT: 10.42 min Scan# 2689

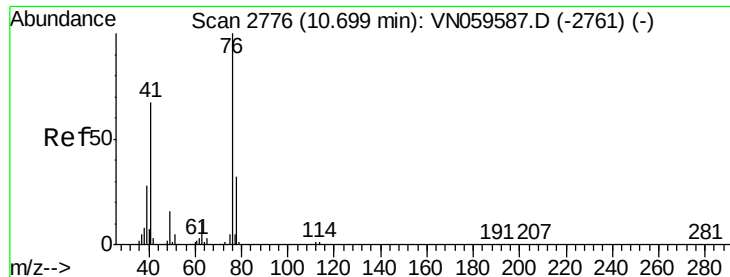
Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 89084 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 69.4  | 57.1  | 85.7  |
| 39       | 42.7  | 34.7  | 52.1  |





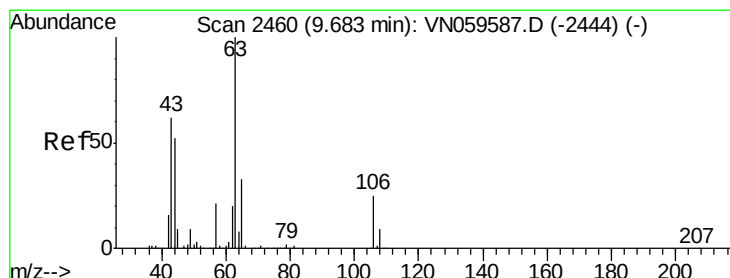
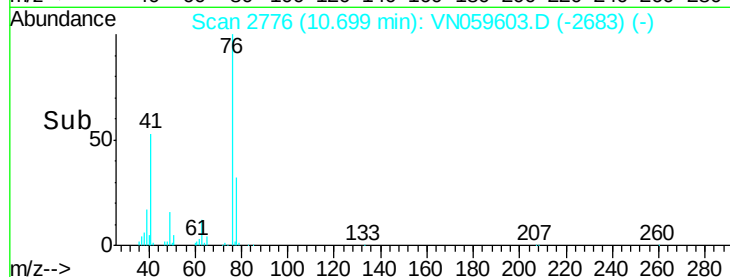
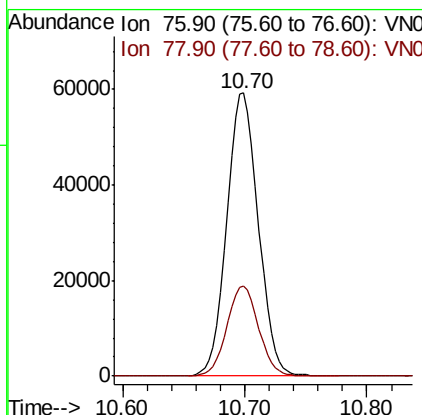
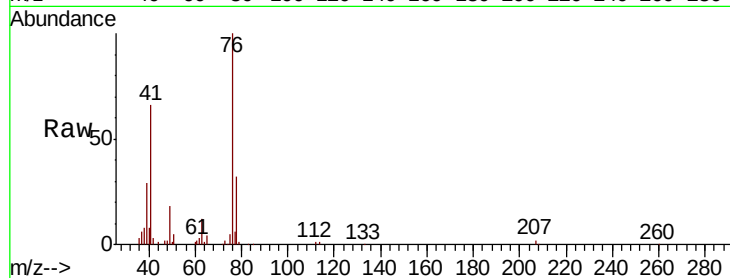
#57  
 1,3-Dichloropropane  
 Concen: 20.423 ug/l  
 RT: 10.70 min Scan# 2776  
 Delta R.T. -0.00 min  
 Lab File: VN059603.D  
 Acq: 16 Dec 2019 15:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1216WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.1  | 25.8  | 38.8  |

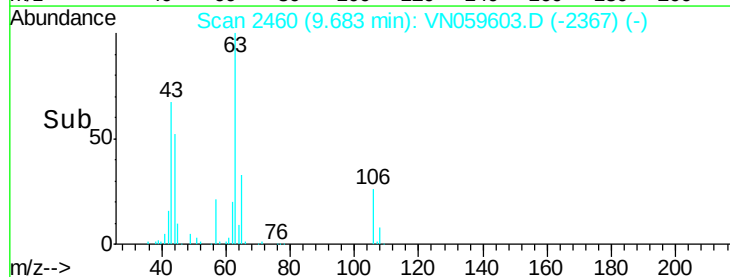
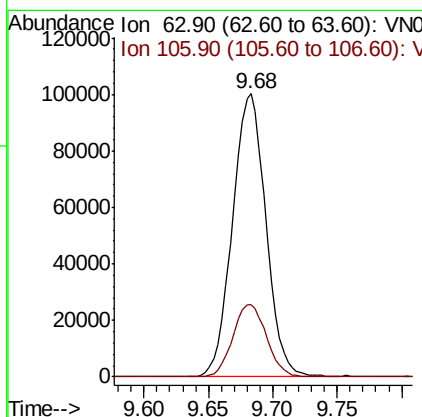
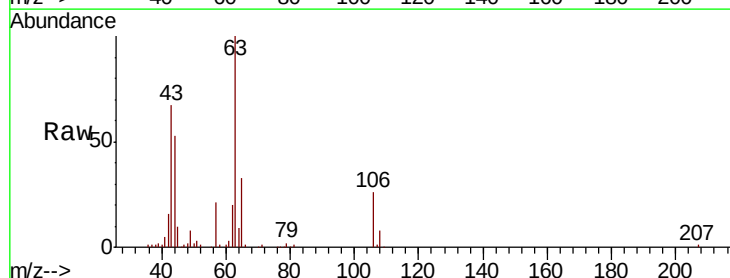
Manual Integrations  
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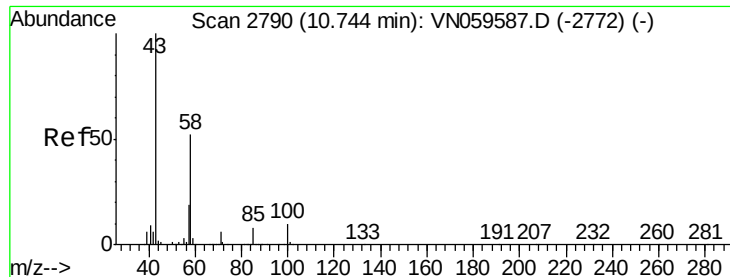
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 126.930 ug/l  
 RT: 9.68 min Scan# 2460  
 Delta R.T. -0.00 min  
 Lab File: VN059603.D  
 Acq: 16 Dec 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 25.8  | 20.2  | 30.2  |





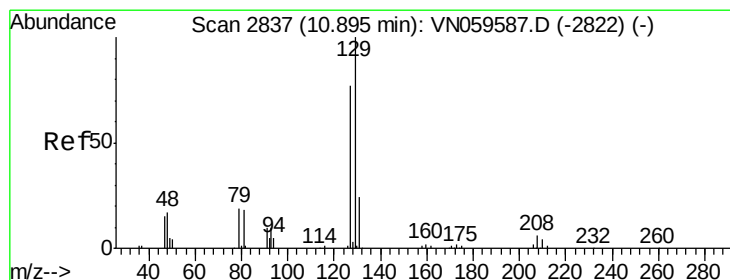
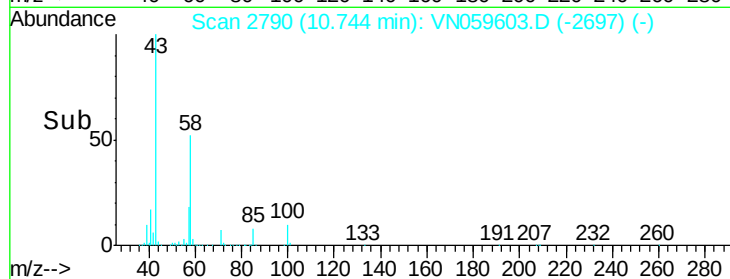
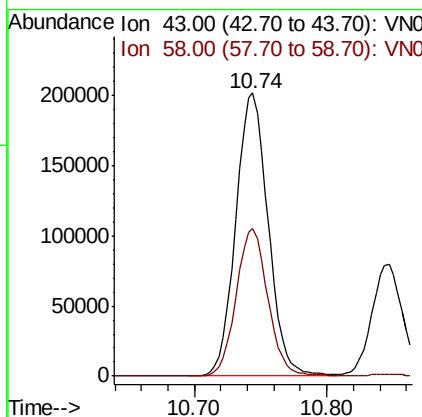
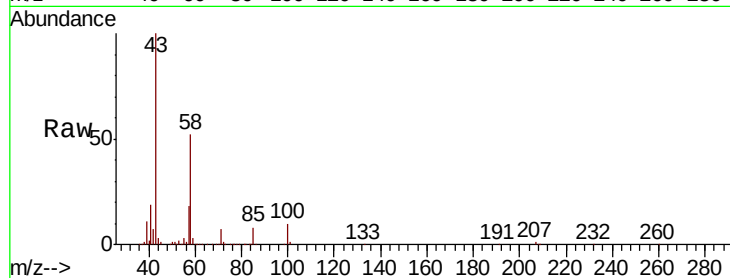
#59  
2-Hexanone  
Concen: 94.465 ug/l  
RT: 10.74 min Scan# 2790  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

Tot Ion: 43 Resp: 342715  
Ion Ratio Lower Upper  
43 100  
58 51.2 25.8 77.3

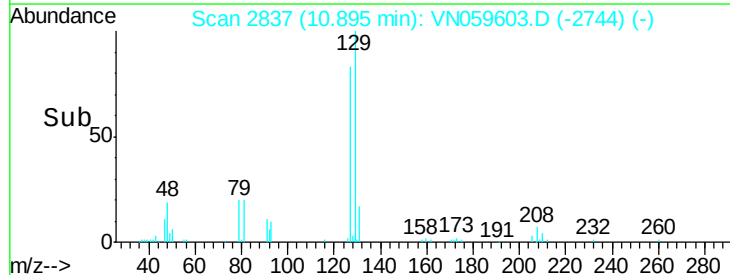
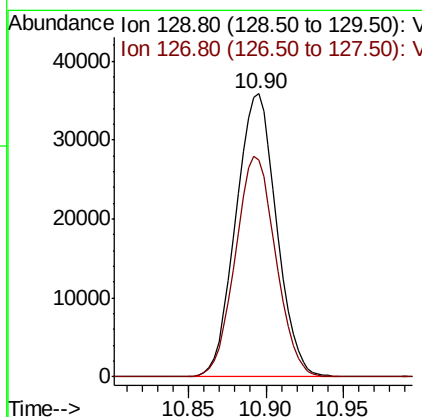
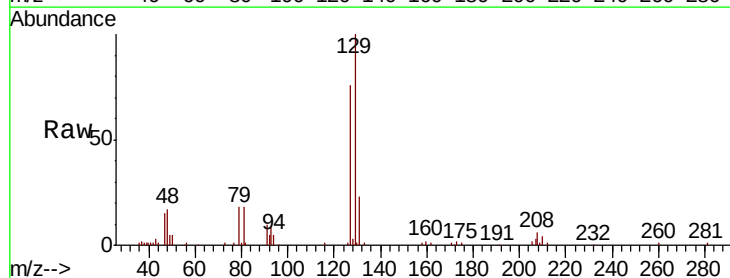
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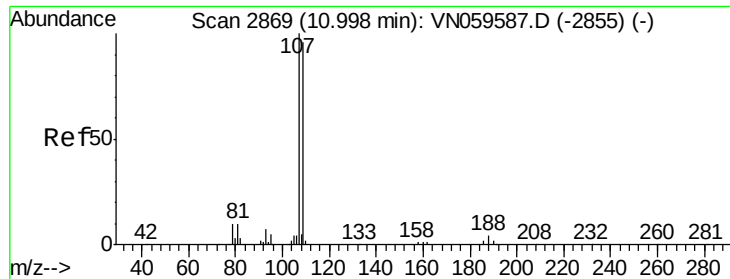
apatel  
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#60  
Dibromochloromethane  
Concen: 20.013 ug/l  
RT: 10.90 min Scan# 2837  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Tgt Ion: 129 Resp: 65757  
Ion Ratio Lower Upper  
129 100  
127 77.1 38.5 115.5





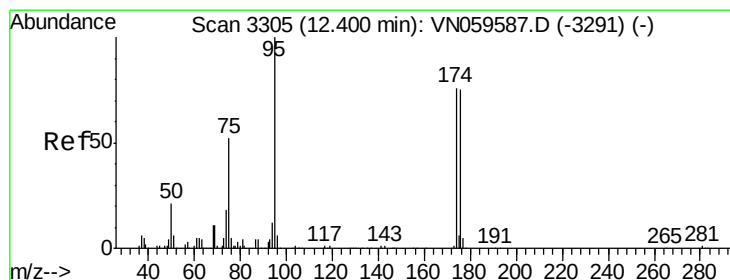
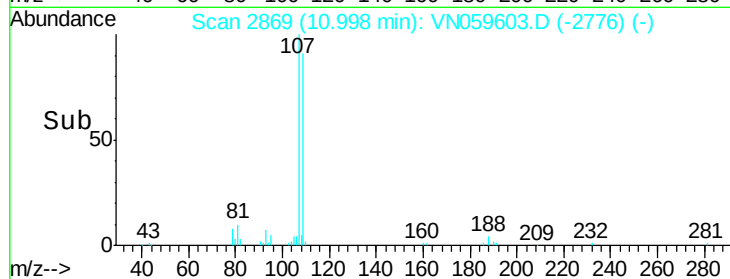
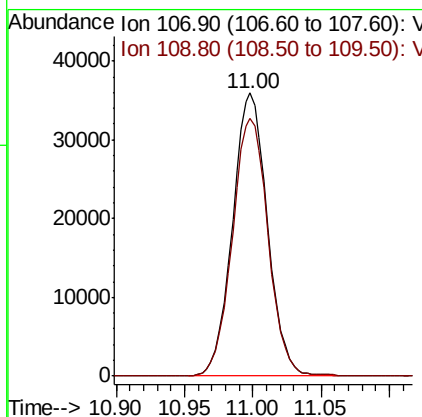
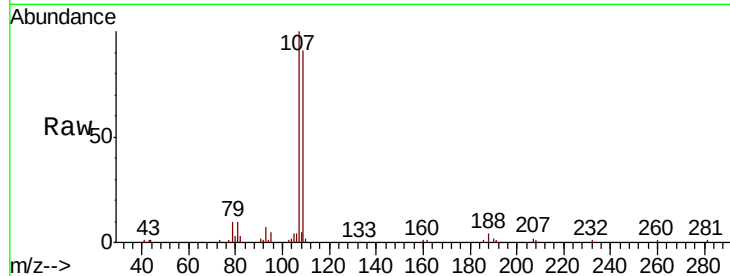
#61  
 1,2-Dibromoethane  
 Concen: 19.931 ug/l  
 RT: 11.00 min Scan# 2869  
 Delta R.T. -0.00 min  
 Lab File: VN059603.D  
 Acq: 16 Dec 2019 15:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1216WBSD03

Tot Ion: 107 Resp: 63636  
 Ion Ratio Lower Upper  
 107 100  
 109 93.5 76.6 115.0

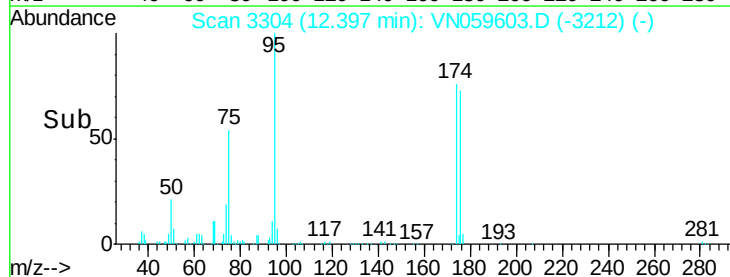
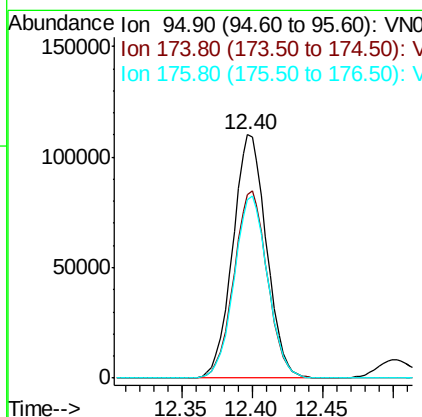
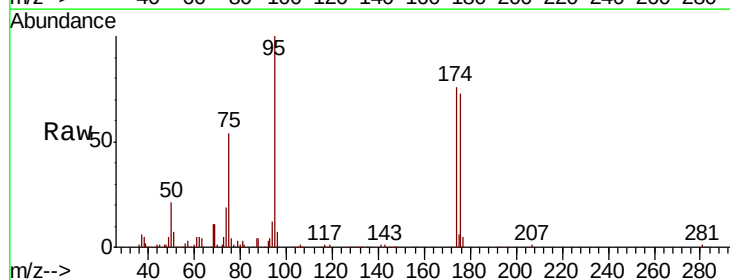
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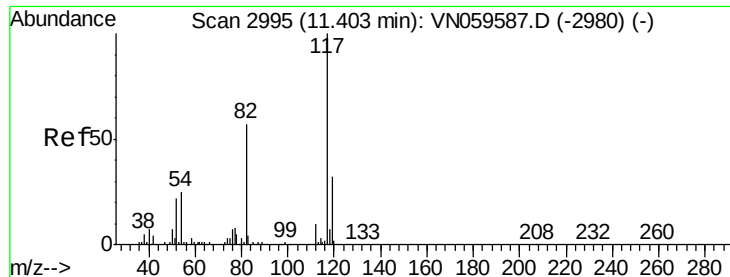
apatel  
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#62  
 4-Bromofluorobenzene  
 Concen: 49.783 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. -0.00 min  
 Lab File: VN059603.D  
 Acq: 16 Dec 2019 15:33

Tgt Ion: 95 Resp: 184362  
 Ion Ratio Lower Upper  
 95 100  
 174 76.2 0.0 151.4  
 176 74.4 0.0 146.0





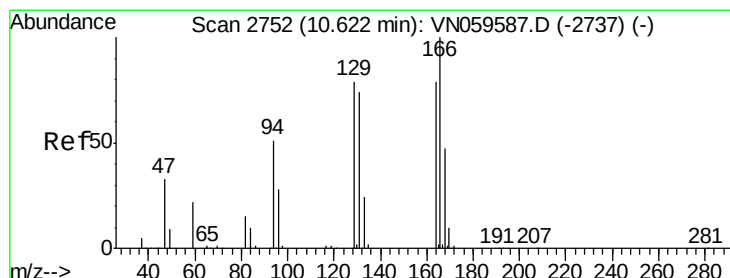
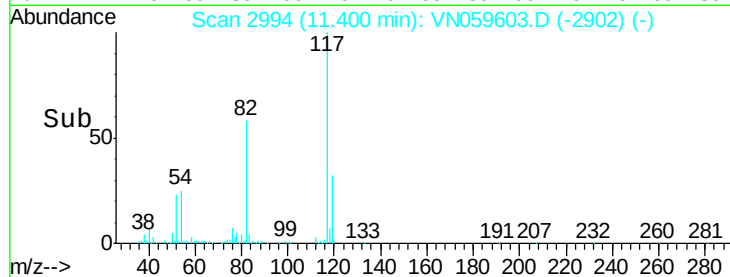
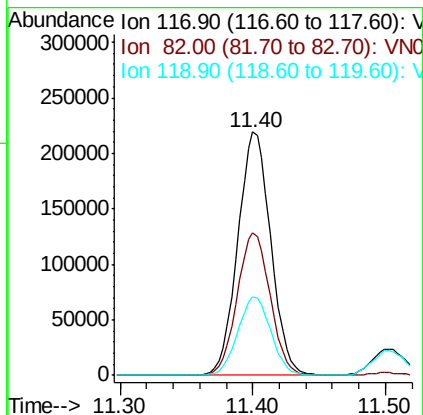
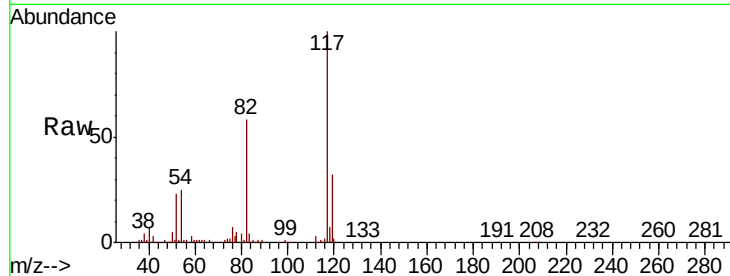
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 82      | 58.5  | 45.9 | 68.9  |       |
| 119     | 32.4  | 25.5 | 38.3  |       |

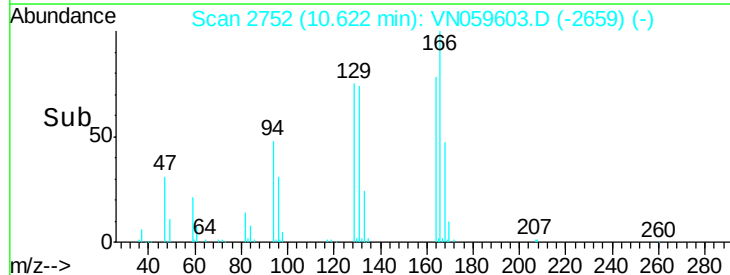
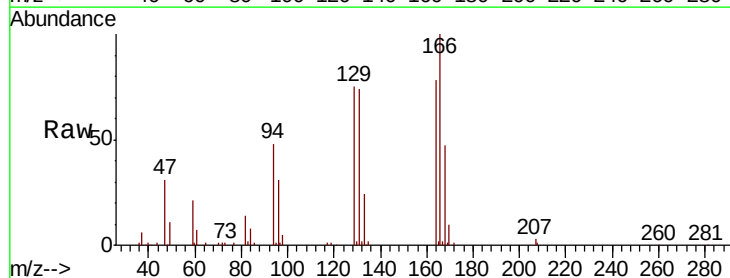
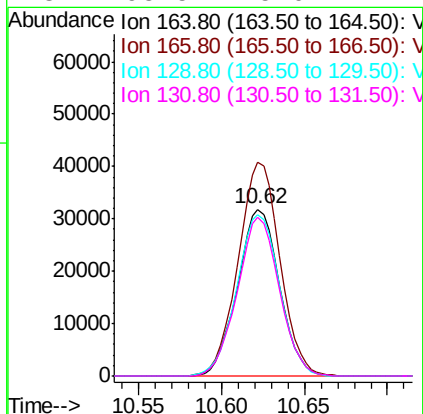
Manual Integrations  
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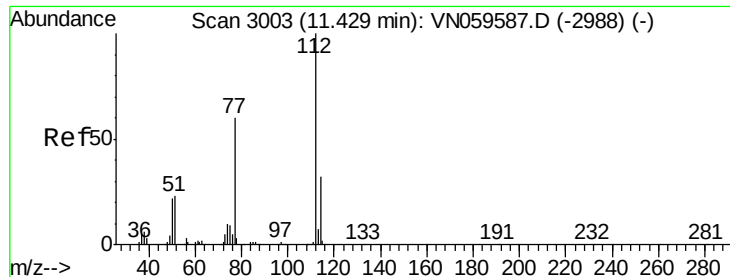
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#64  
Tetrachloroethene  
Concen: 15.880 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   |       |       |       |
| 166     | 128.3 | 101.4 | 152.0 |       |
| 129     | 96.8  | 80.2  | 120.4 |       |
| 131     | 95.5  | 75.0  | 112.4 |       |





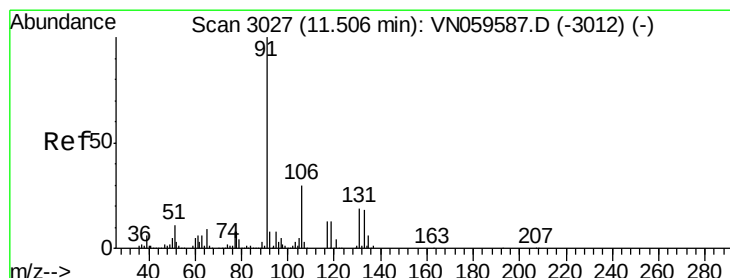
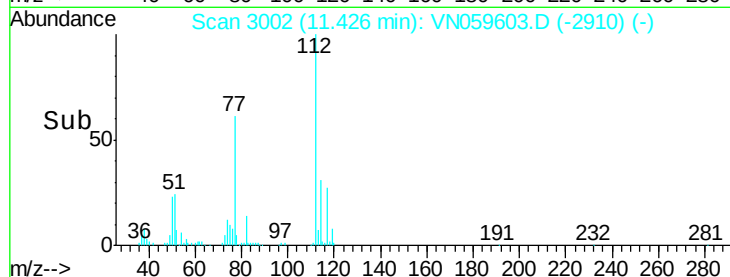
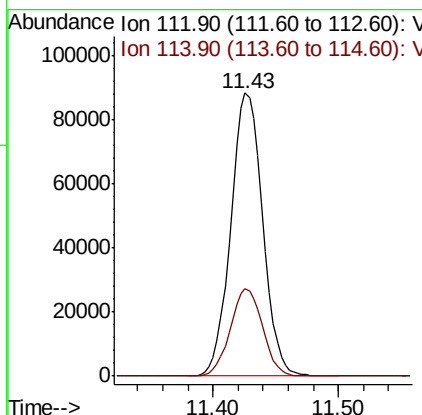
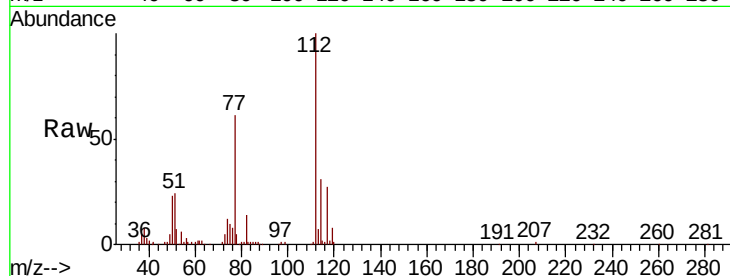
#65  
Chlorobenzene  
Concen: 19.071 ug/l  
RT: 11.43 min Scan# 3002  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

Tot Ion:112 Resp: 156293  
Ion Ratio Lower Upper  
112 100  
114 30.8 25.8 38.8

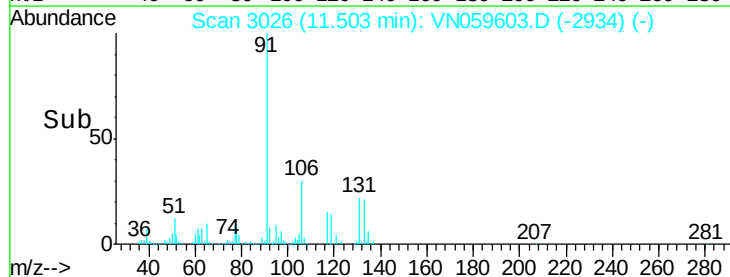
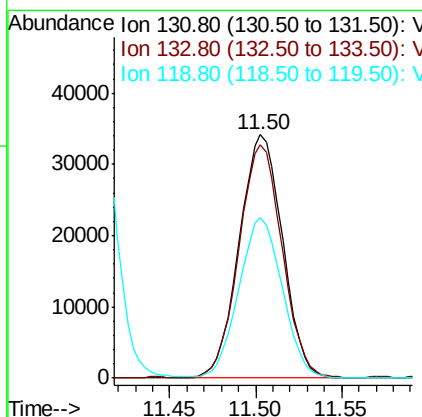
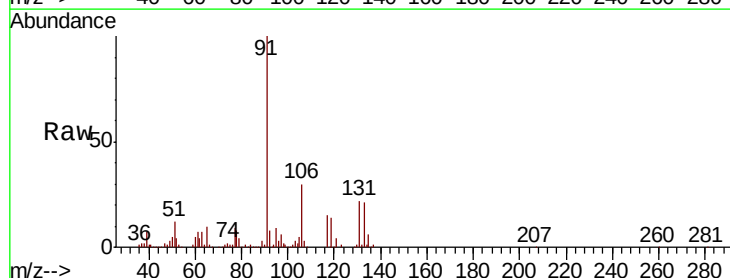
Manual Integrations  
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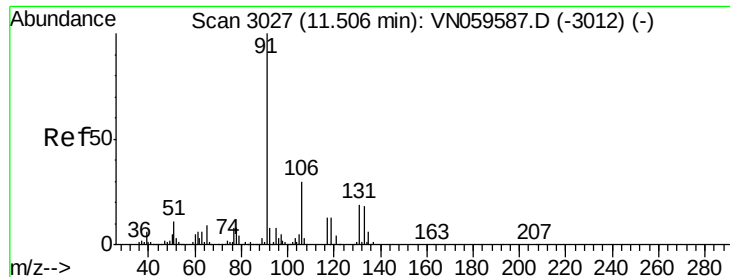
apatel  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.227 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Tgt Ion:131 Resp: 59850  
Ion Ratio Lower Upper  
131 100  
133 96.1 47.4 142.2  
119 66.3 33.1 99.3





#67

Ethyl Benzene

Concen: 18.588 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBSD03

Tot Ion: 91 Resp: 274973

Ion Ratio Lower Upper

91 100

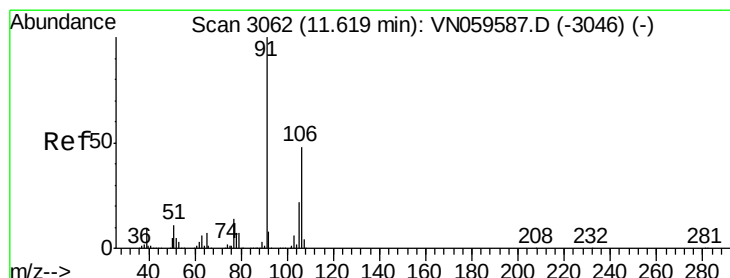
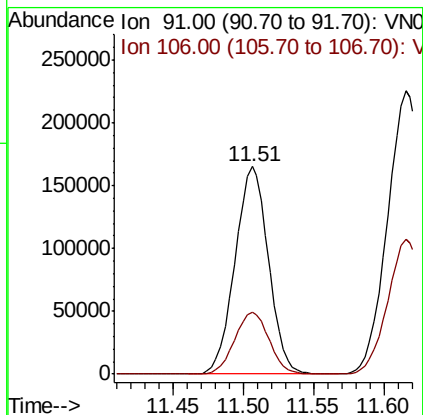
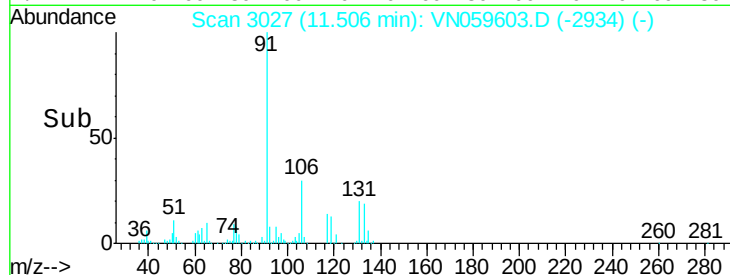
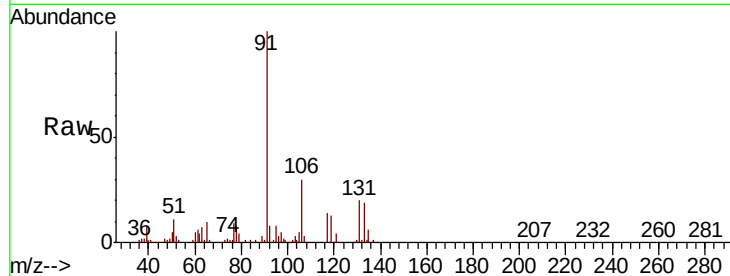
106 29.6 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 36.778 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059603.D

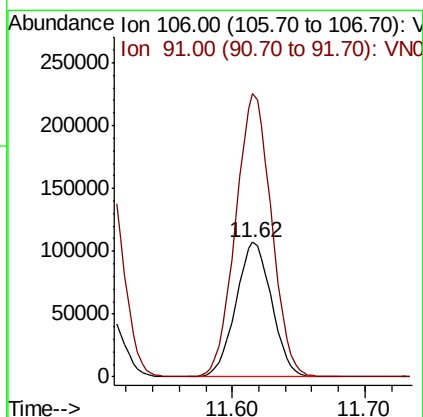
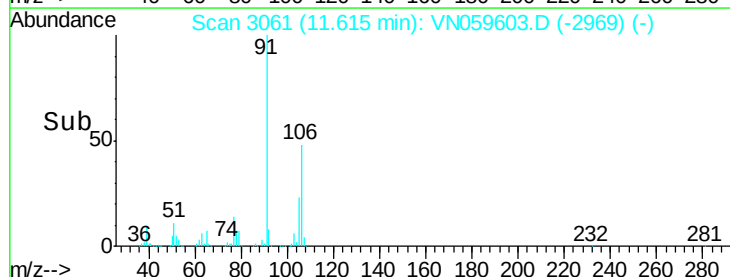
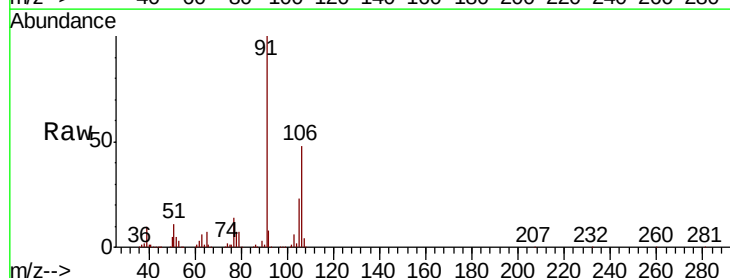
Acq: 16 Dec 2019 15:33

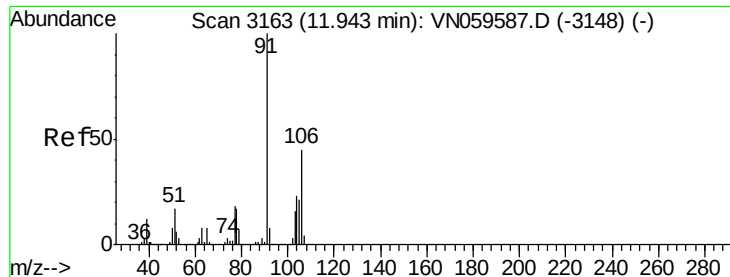
Tgt Ion: 106 Resp: 200899

Ion Ratio Lower Upper

106 100

91 210.1 167.9 251.9





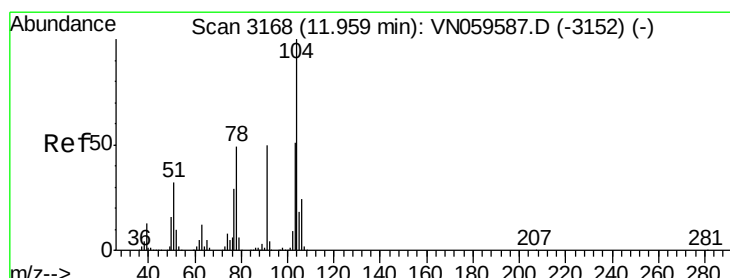
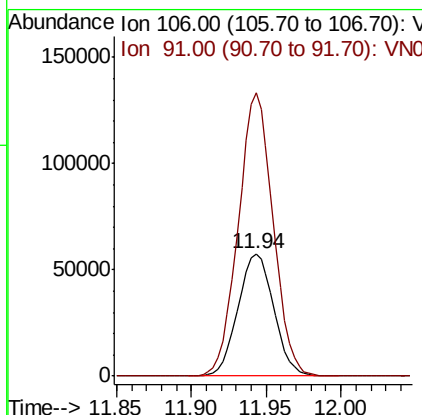
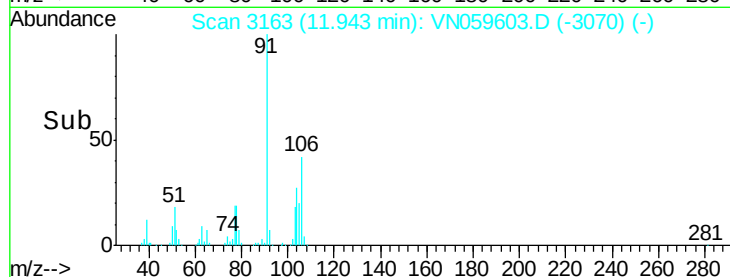
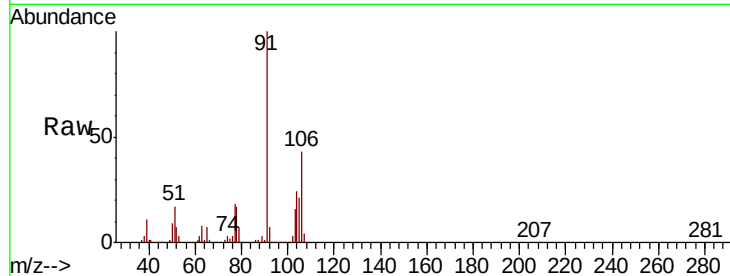
#69  
o-Xylene  
Concen: 18.516 ug/l  
RT: 11.94 min Scan# 3163  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

Tot Ion:106 Resp: 96236  
Ion Ratio Lower Upper  
106 100  
91 224.3 110.3 330.9

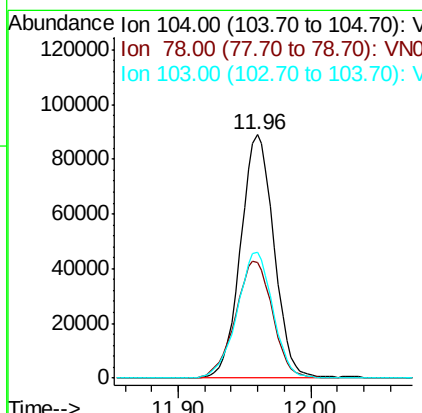
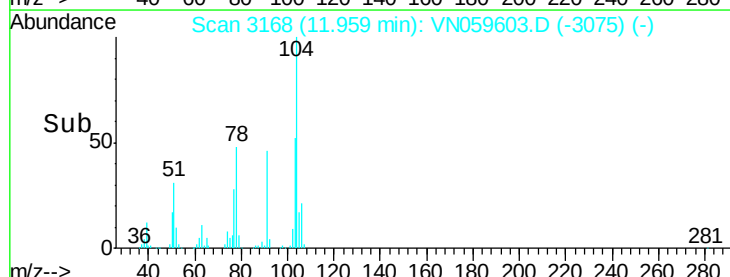
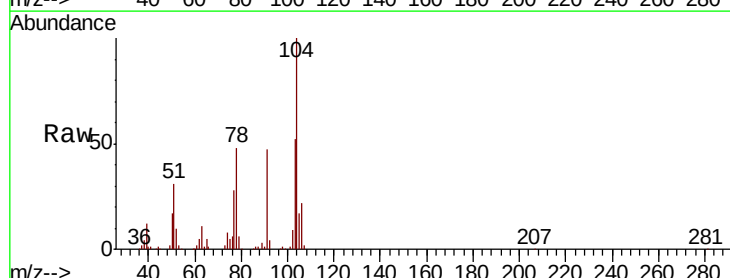
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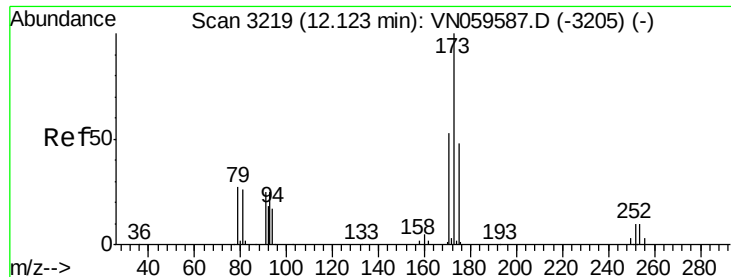


#70  
Styrene  
Concen: 18.605 ug/l  
RT: 11.96 min Scan# 3168  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Tgt Ion:104 Resp: 155367  
Ion Ratio Lower Upper  
104 100  
78 53.5 42.4 63.6  
103 55.6 43.9 65.9







#71

Bromoform

Concen: 19.535 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

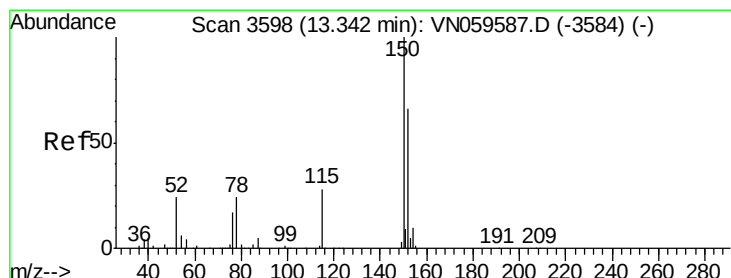
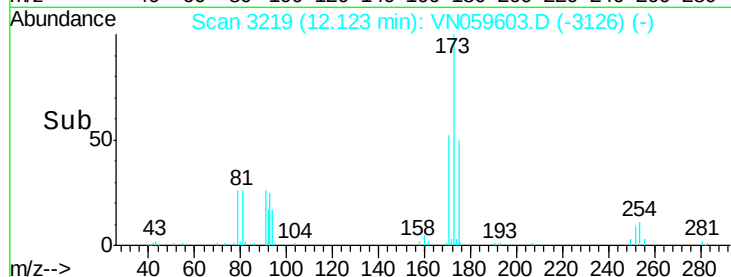
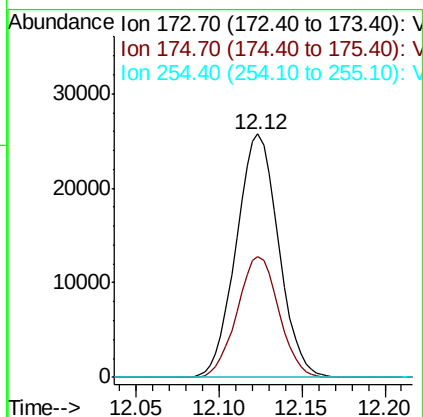
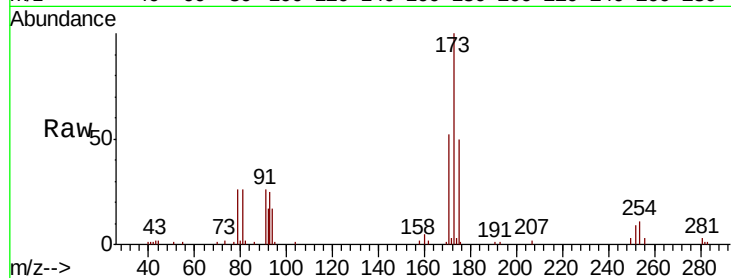
ClientSampleId :

VN1216WBSD03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 45711 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.8  | 23.8  | 71.4  |
| 254       | 0.0   | 0.0   | 0.0   |

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

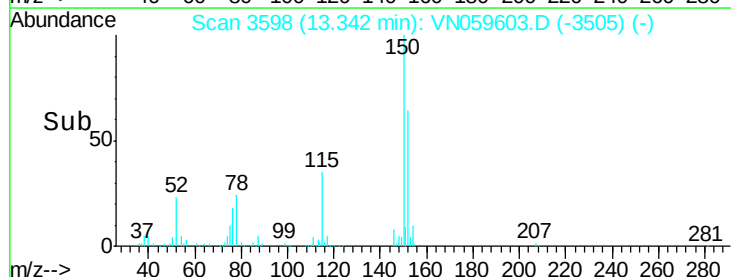
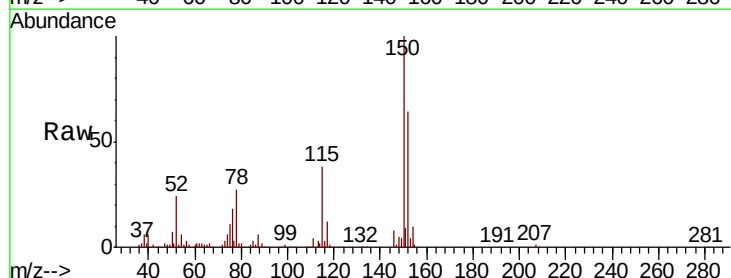
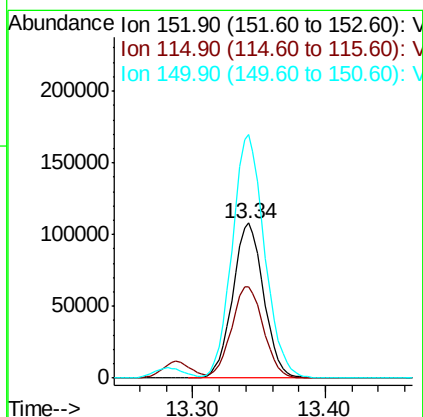
RT: 13.34 min Scan# 3598

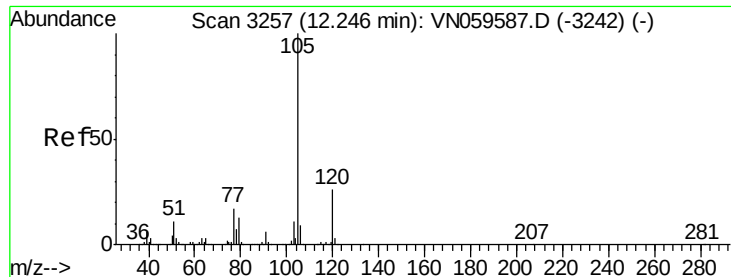
Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 175180 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 61.0  | 30.3  | 90.9   |
| 150       | 163.6 | 0.0   | 345.2  |





#73

Isopropylbenzene

Concen: 18.625 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBSD03

Tot Ion: 105 Resp: 256127

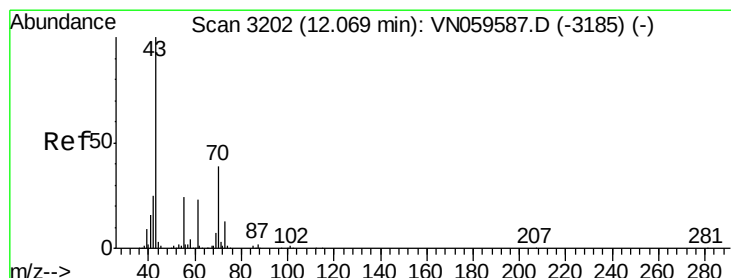
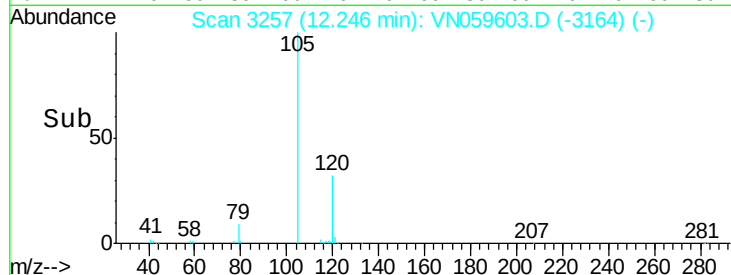
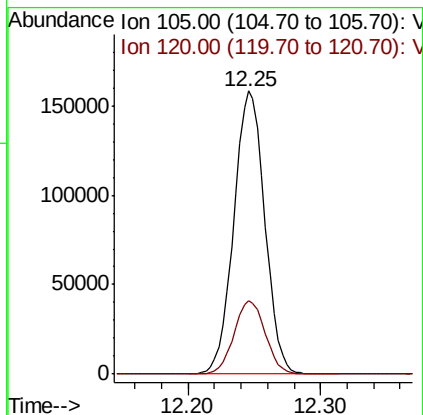
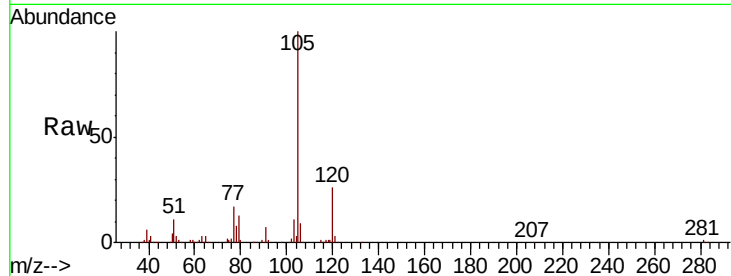
Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5

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#74

N-ethyl acetate

Concen: 19.057 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Tgt Ion: 43 Resp: 120212

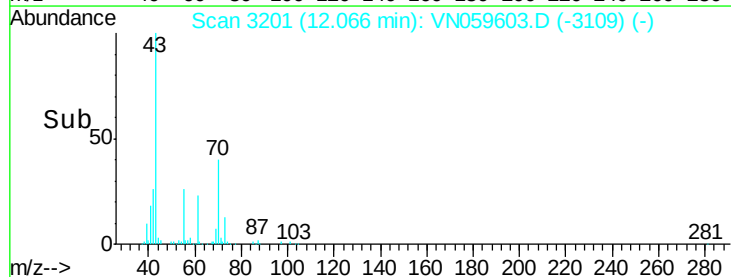
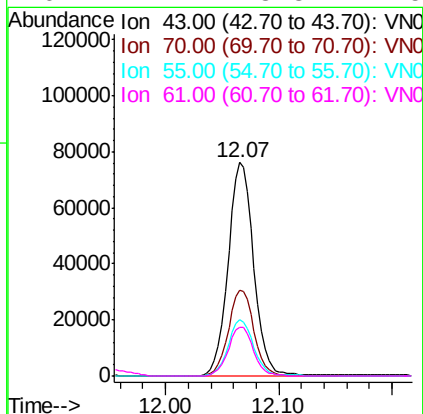
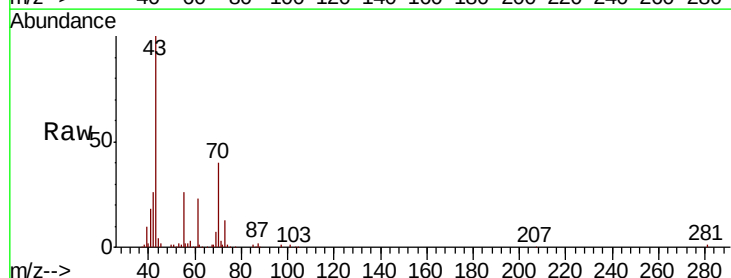
Ion Ratio Lower Upper

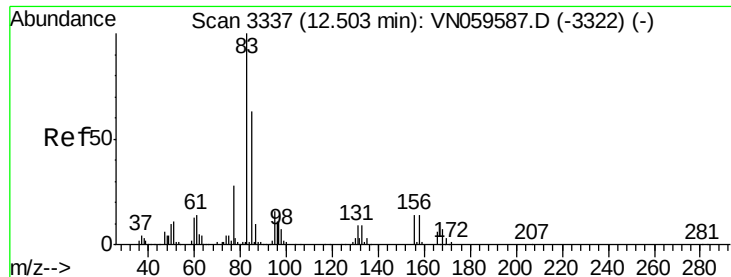
43 100

70 40.0 31.3 46.9

55 26.0 19.8 29.6

61 22.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.719 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

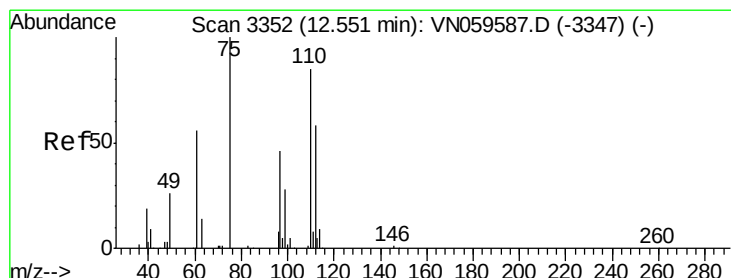
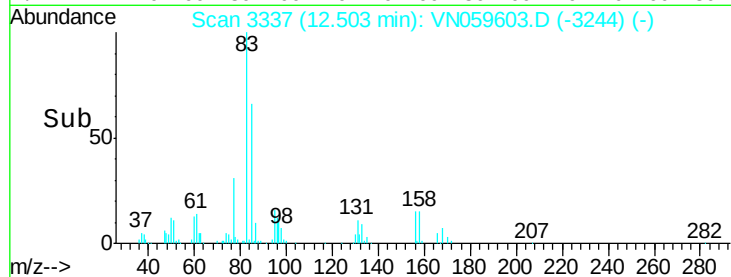
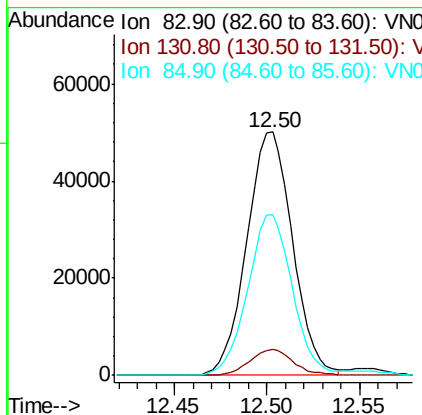
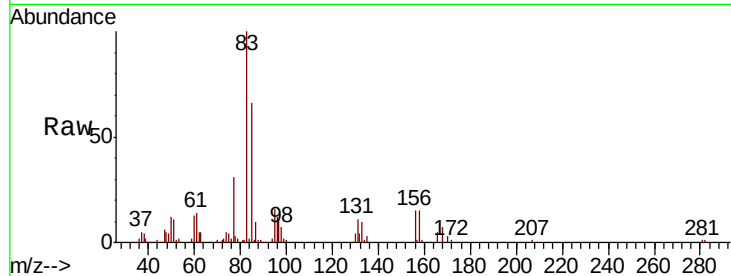
ClientSampleId :

VN1216WBSD03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 86020 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.1  | 5.0   | 14.9  |
| 85        | 64.5  | 31.9  | 95.5  |

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#76

1,2,3-Trichloropropane

Concen: 20.900 ug/l m

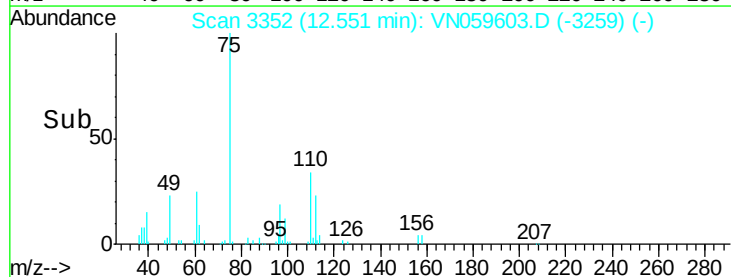
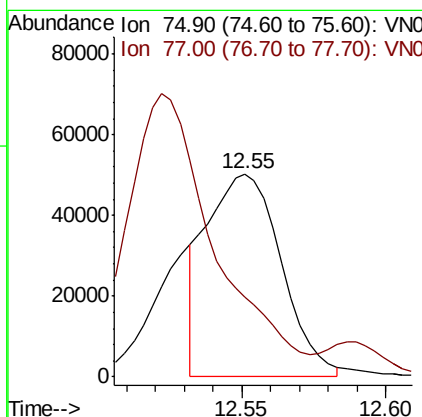
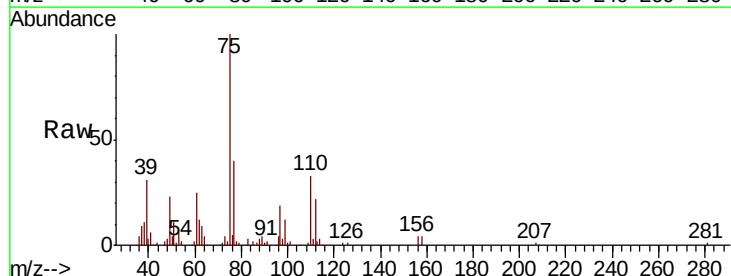
RT: 12.55 min Scan# 3352

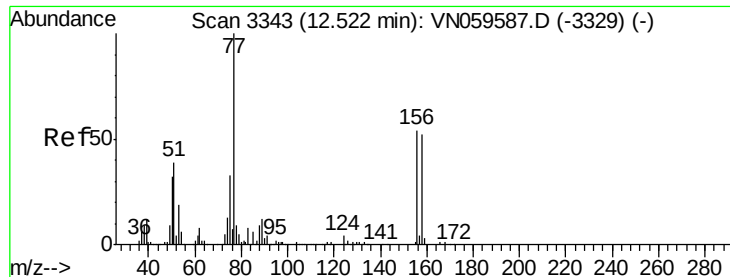
Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 90635 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 18.946 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBSD03

Tot Ion:156 Resp: 64072

Ion Ratio Lower Upper

156 100

77 232.8 115.8 347.4

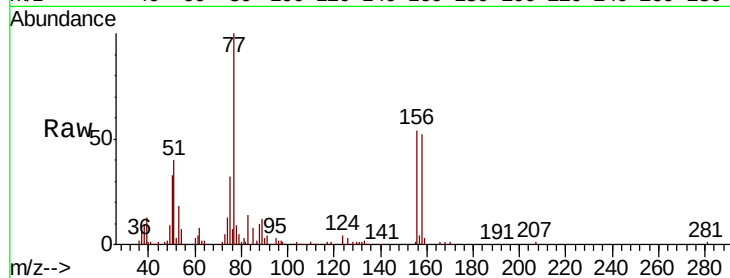
158 98.7 49.2 147.6

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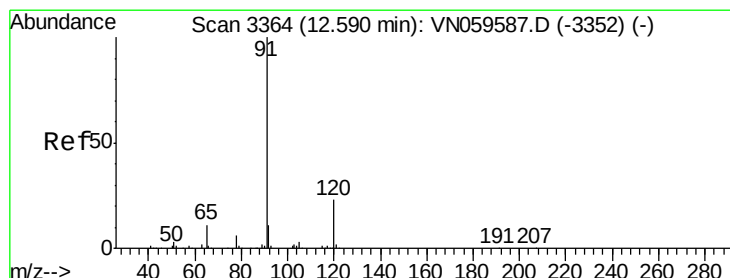
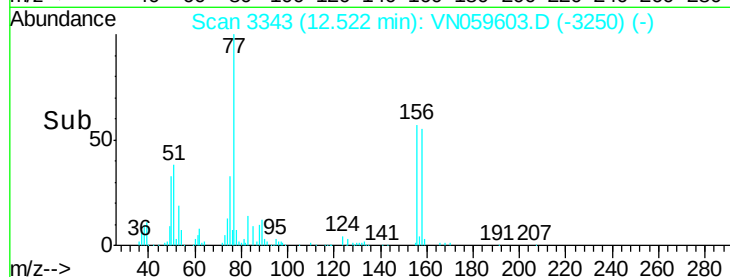
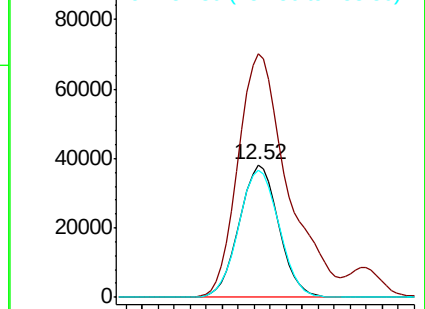
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.558 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059603.D

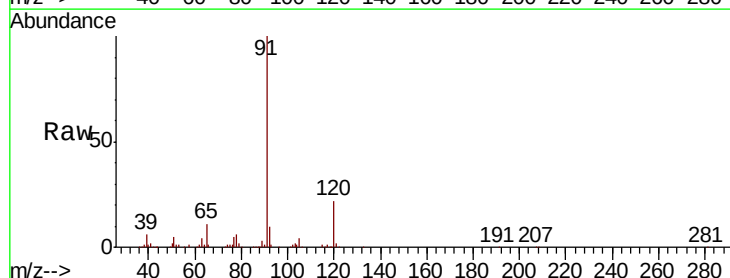
Acq: 16 Dec 2019 15:33

Tgt Ion: 91 Resp: 301669

Ion Ratio Lower Upper

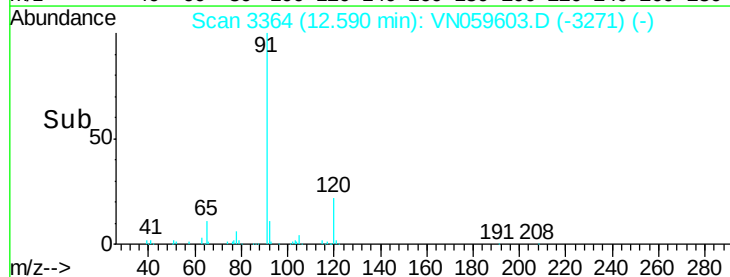
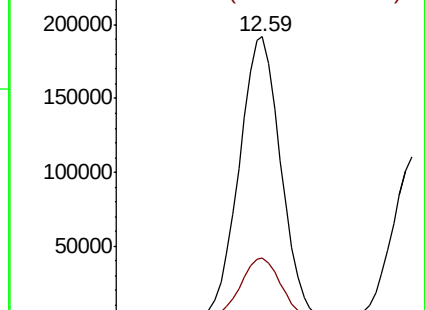
91 100

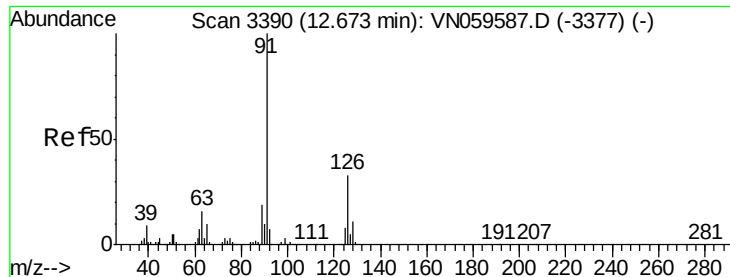
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





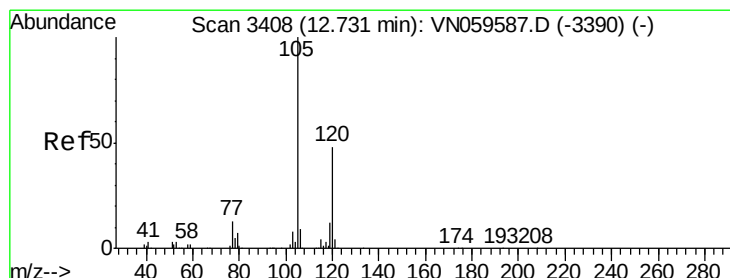
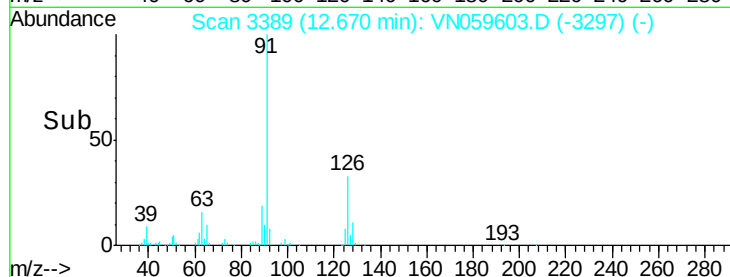
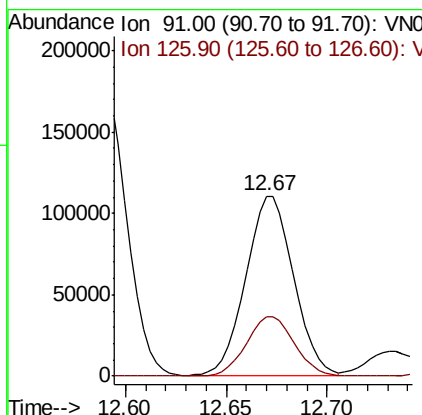
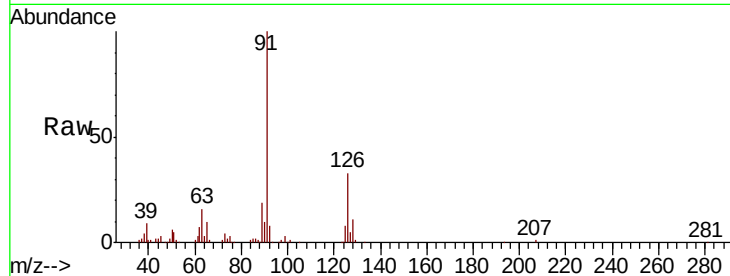
#79  
2-Chlorotoluene  
Concen: 18.735 ug/l  
RT: 12.67 min Scan# 3389  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.3  | 16.3  | 48.9  |

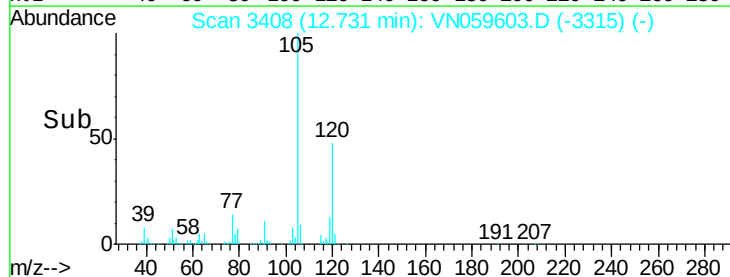
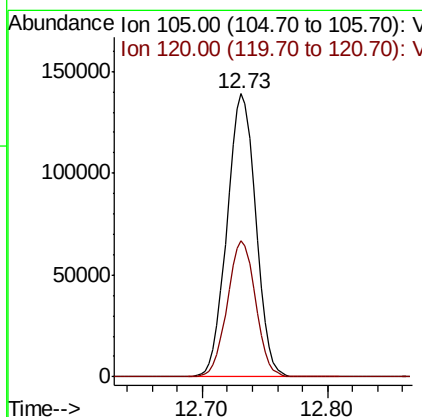
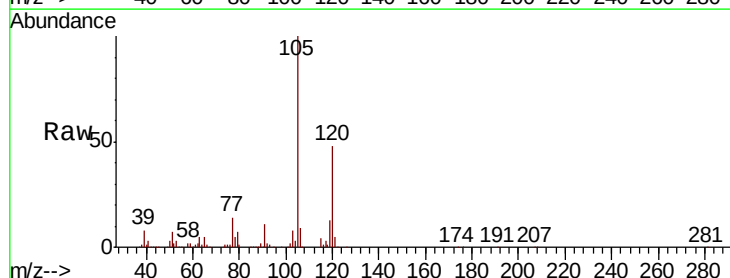
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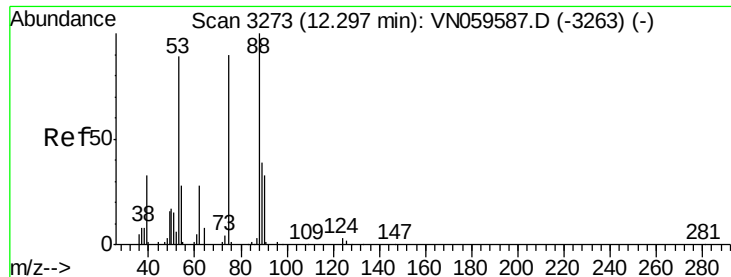
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#80  
1,3,5-Trimethylbenzene  
Concen: 18.997 ug/l  
RT: 12.73 min Scan# 3408  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.3  | 24.1  | 72.4  |





#81

trans-1,4-Dichloro-2-butene

Concen: 18.813 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

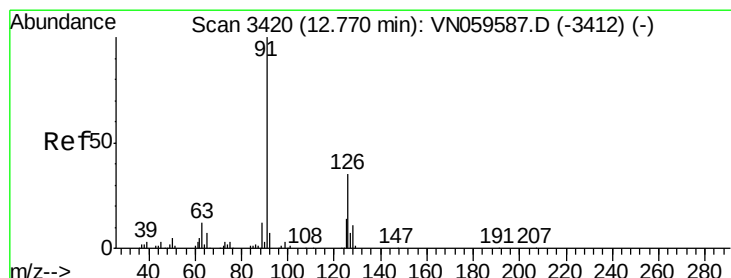
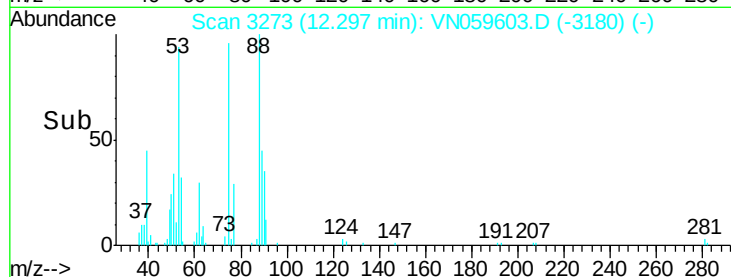
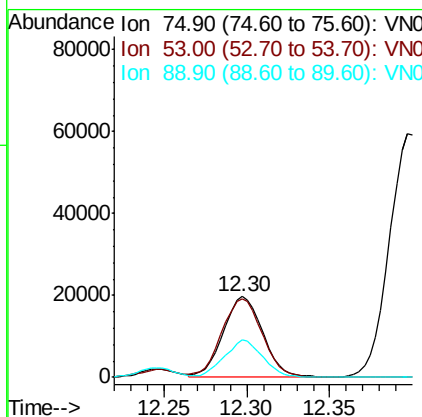
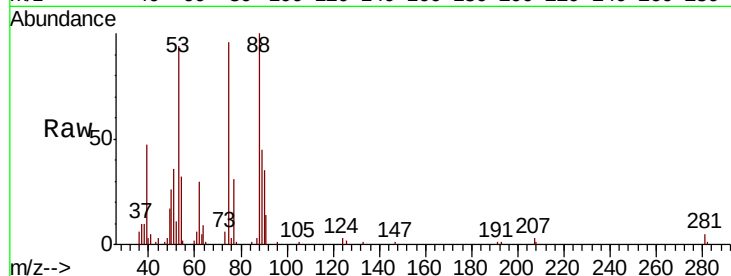
ClientSampleId :

VN1216WBSD03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 33032 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 99.9  | 78.1  | 117.1 |
| 89        | 44.8  | 35.4  | 53.2  |

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#82

4-Chlorotoluene

Concen: 18.799 ug/l

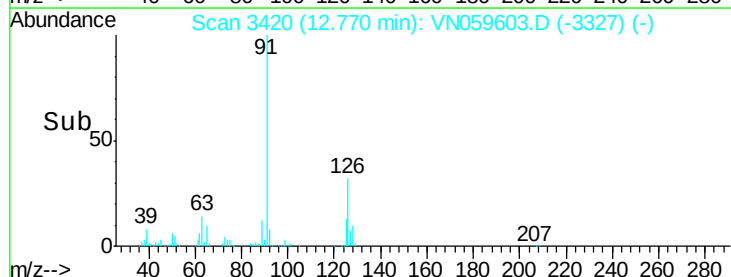
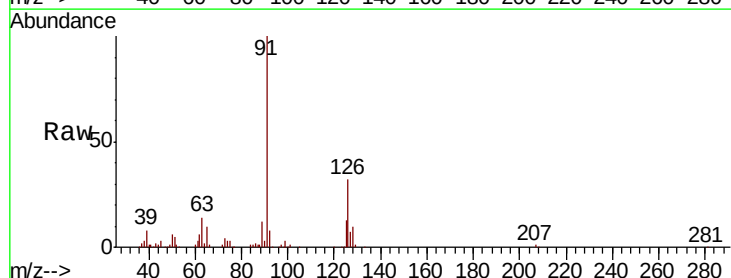
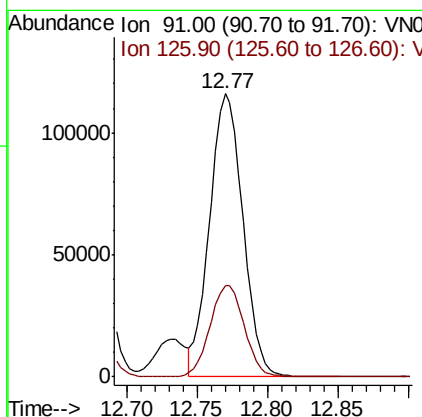
RT: 12.77 min Scan# 3420

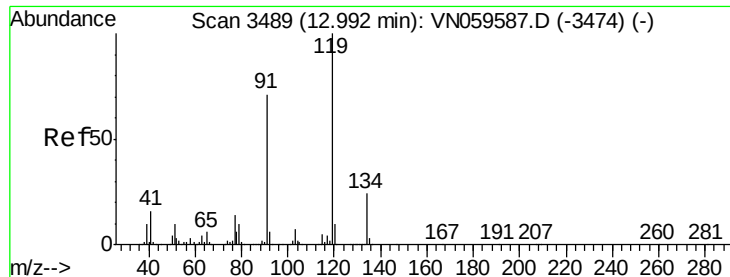
Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 189197 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 33.4  | 16.3  | 48.8   |





#83

tert-Butylbenzene

Concen: 18.541 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

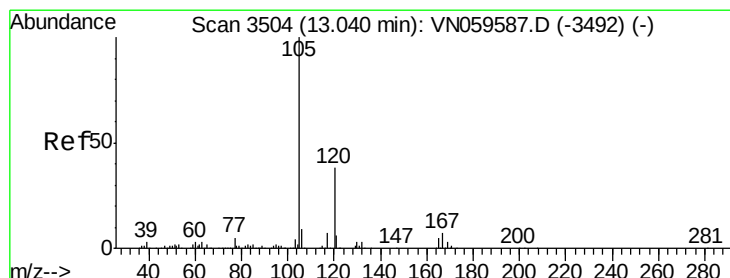
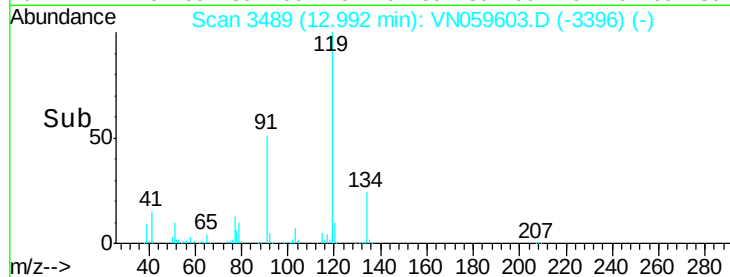
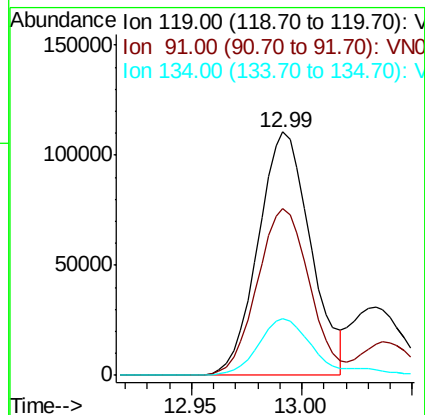
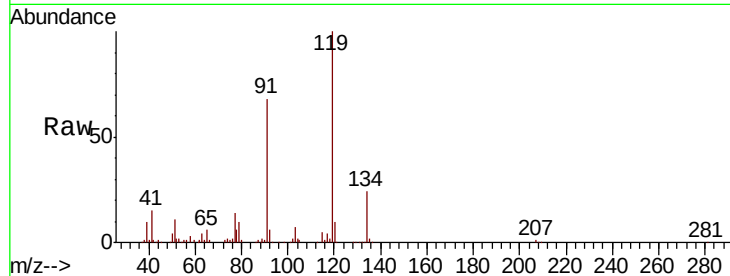
ClientSampleId :

VN1216WBSD03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 182728 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 68.2  | 34.8  | 104.4  |
| 134       | 25.2  | 12.3  | 36.9   |

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#84

1,2,4-Trimethylbenzene

Concen: 19.192 ug/l

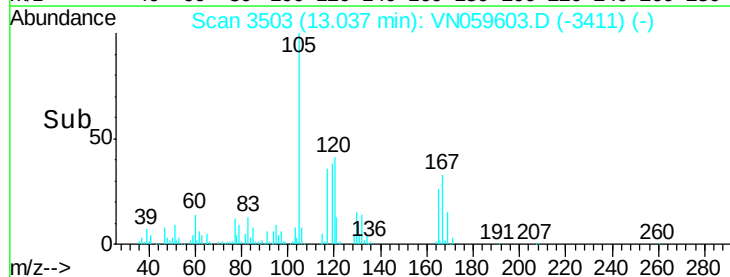
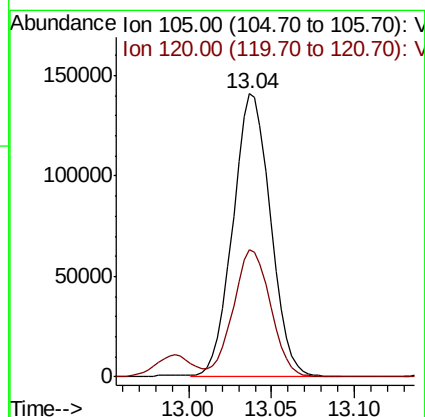
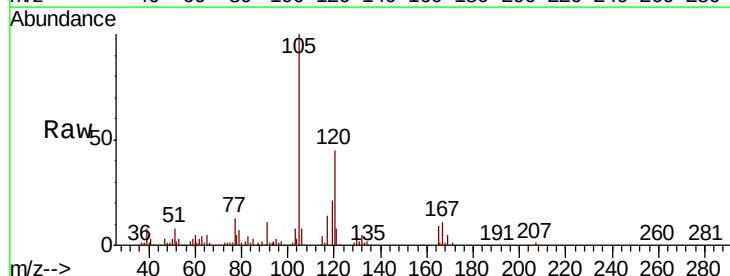
RT: 13.04 min Scan# 3503

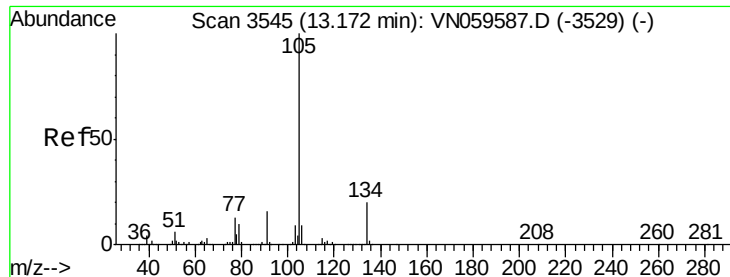
Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 222088 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 44.7  | 22.3  | 66.9   |





#85

sec-Butylbenzene

Concen: 18.472 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBSD03

Tot Ion:105 Resp: 242162

Ion Ratio Lower Upper

105 100

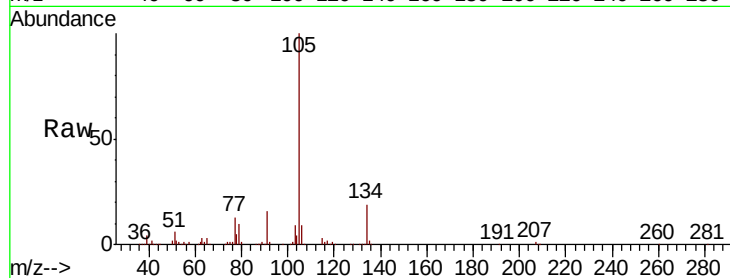
134 19.4 9.8 29.5

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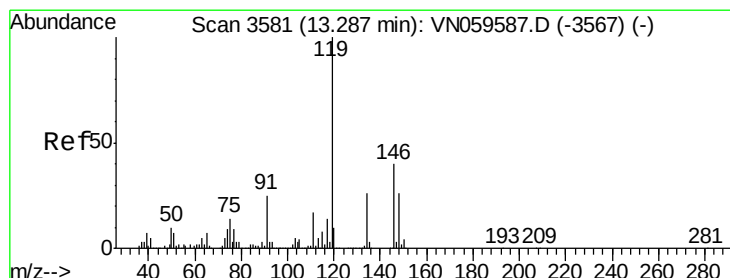
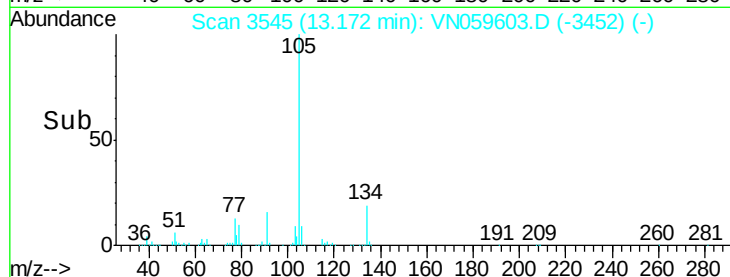
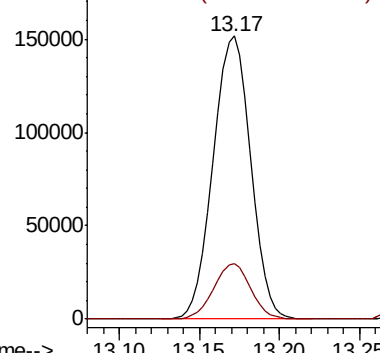
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.636 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059603.D

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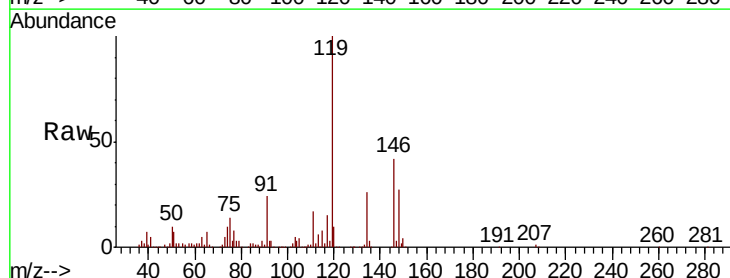
Tgt Ion:119 Resp: 221276

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

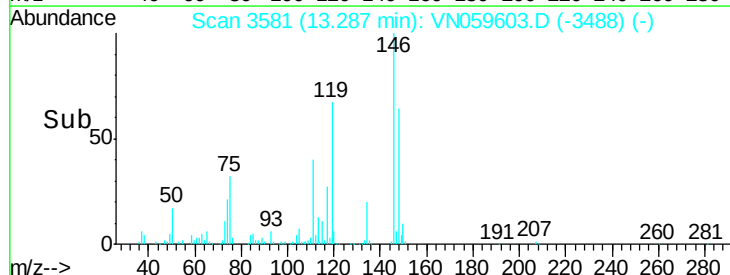
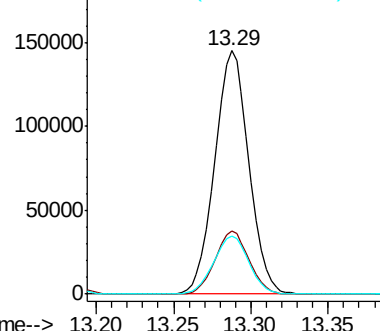
91 24.7 12.4 37.4



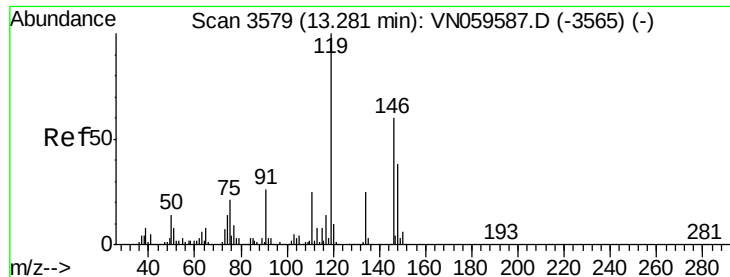
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V







#87

1,3-Dichlorobenzene

Concen: 18.597 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

Instrument :

MSVOA\_N

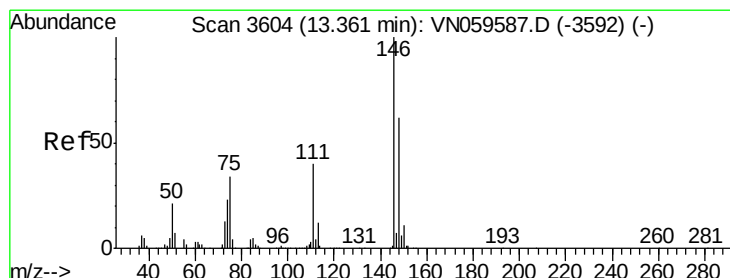
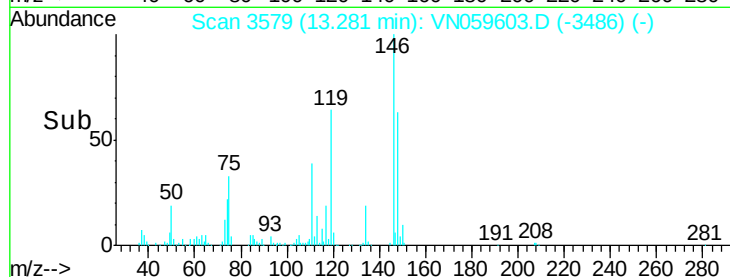
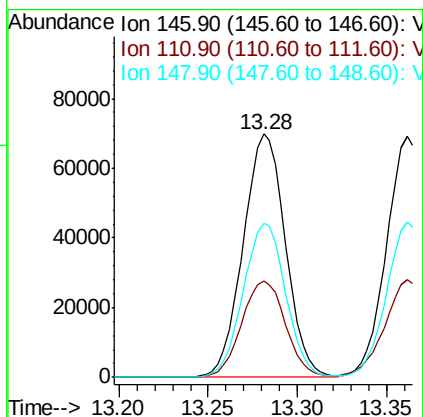
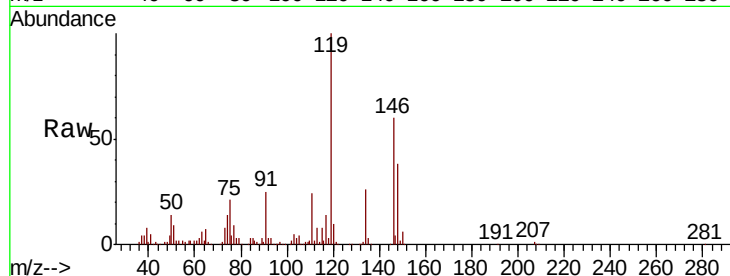
ClientSampleId :

VN1216WBSD03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 115650 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.0  | 20.8  | 62.2   |
| 148       | 63.5  | 32.0  | 96.0   |

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#88

1,4-Dichlorobenzene

Concen: 18.332 ug/l

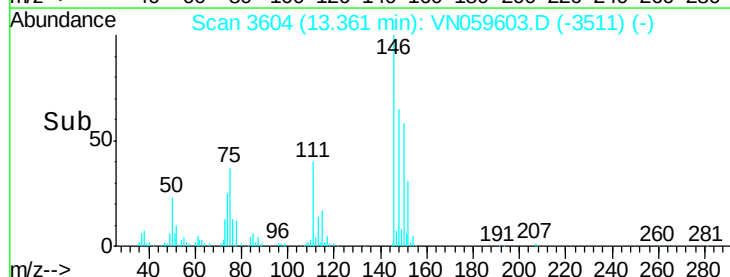
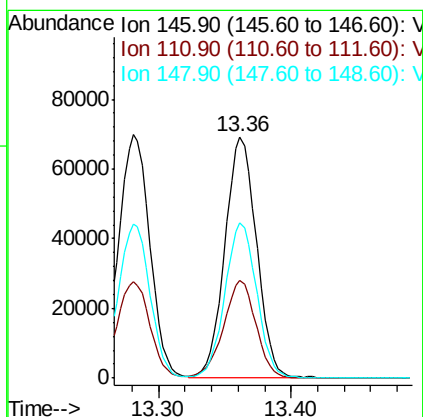
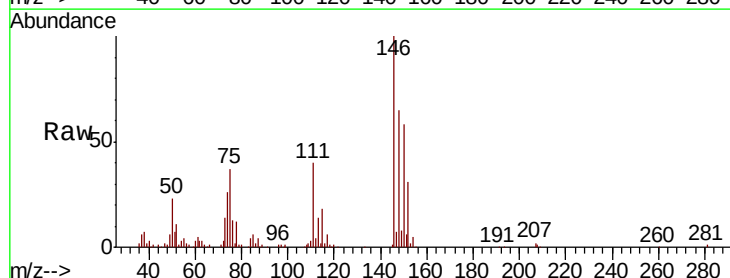
RT: 13.36 min Scan# 3604

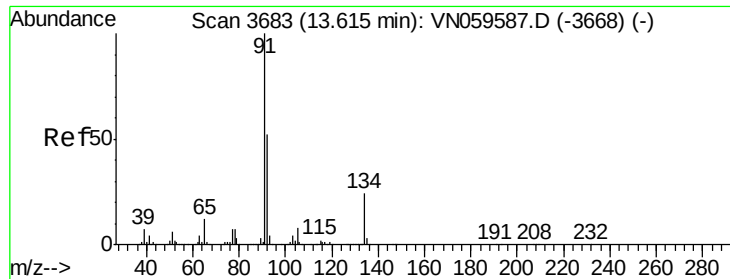
Delta R.T. -0.00 min

Lab File: VN059603.D

Acq: 16 Dec 2019 15:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 114937 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.5  | 20.8  | 62.2   |
| 148       | 64.8  | 31.8  | 95.4   |





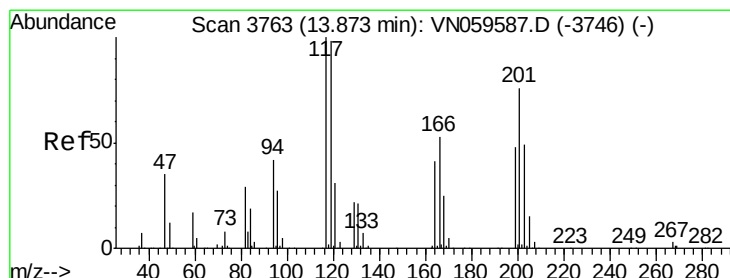
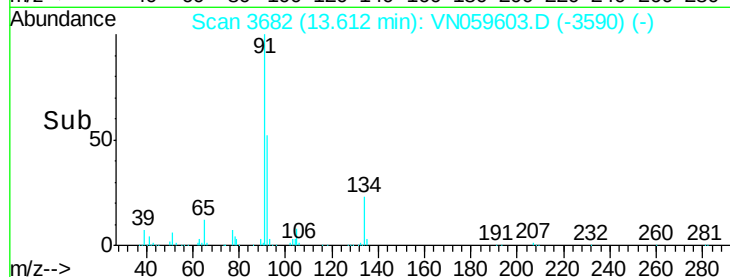
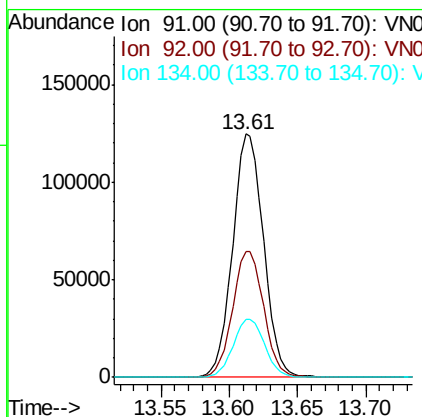
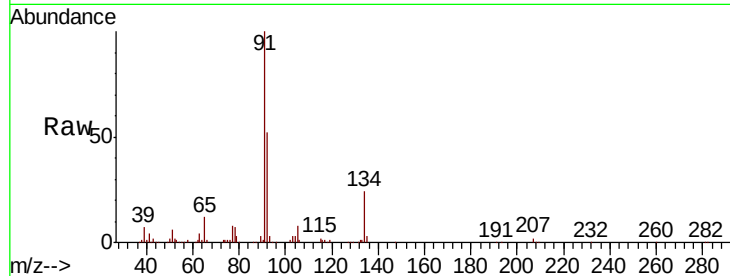
#89  
n-Butylbenzene  
Concen: 17.626 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.1  | 25.9  | 77.7  |
| 134     | 24.4  | 12.3  | 36.8  |

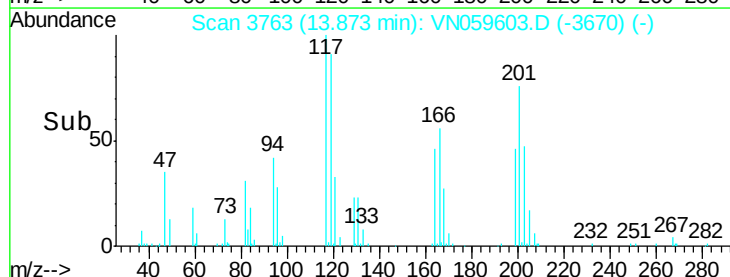
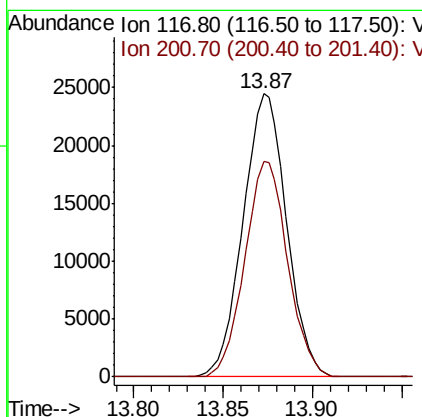
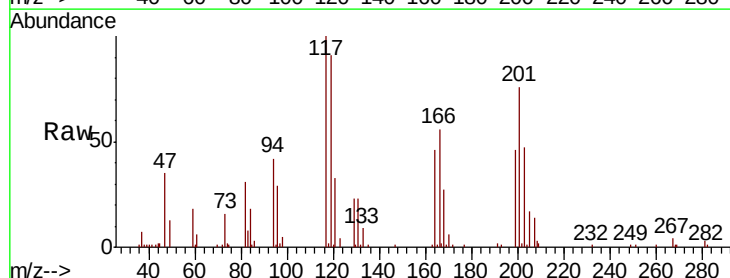
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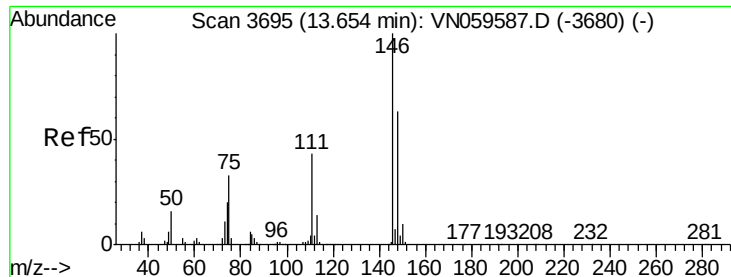
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#90  
Hexachloroethane  
Concen: 18.614 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 74.8  | 37.8  | 113.4 |





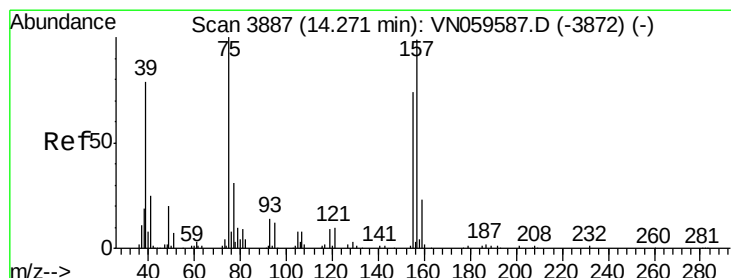
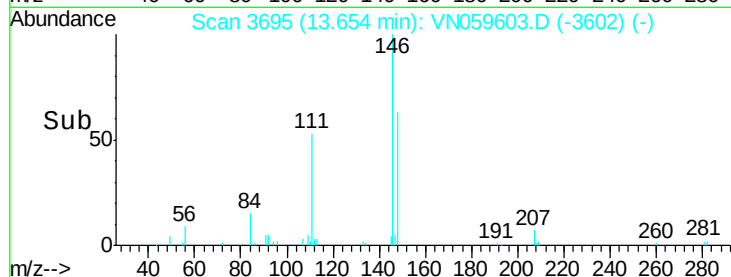
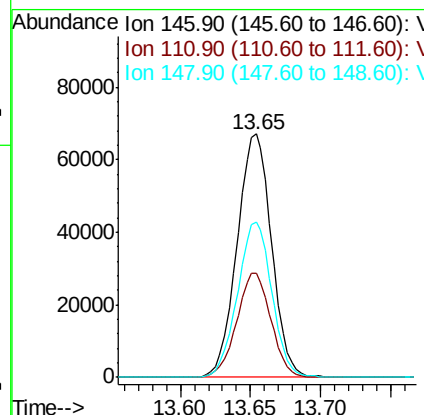
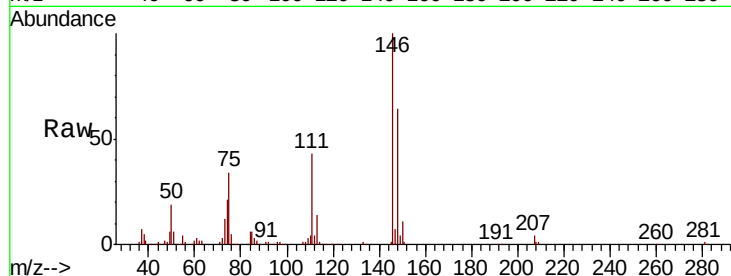
#91  
 1,2-Dichlorobenzene  
 Concen: 18.682 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. -0.00 min  
 Lab File: VN059603.D  
 Acq: 16 Dec 2019 15:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1216WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.5  | 21.6  | 64.8  |
| 148     | 63.8  | 31.6  | 95.0  |

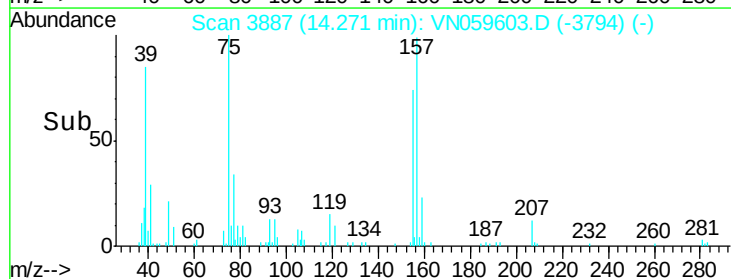
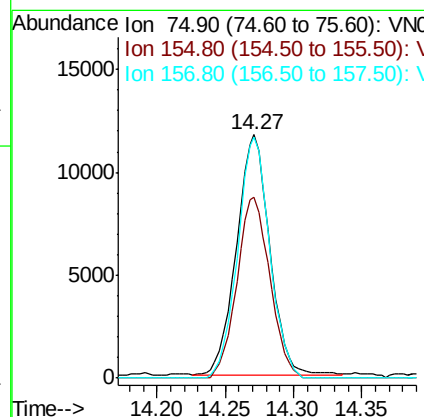
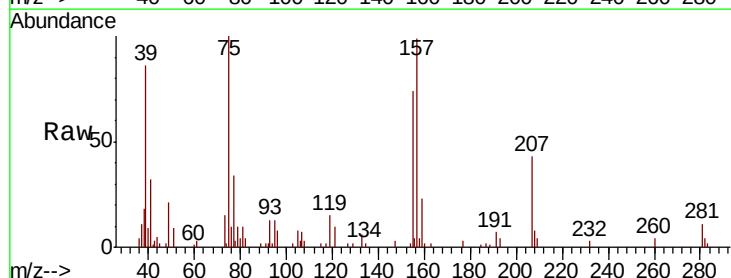
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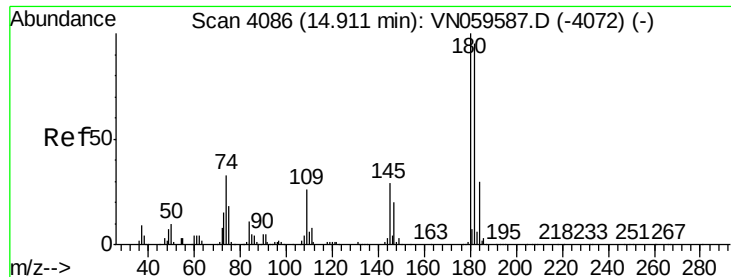
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 17.159 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN059603.D  
 Acq: 16 Dec 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 75.1  | 37.0  | 110.9 |
| 157     | 97.0  | 48.4  | 145.2 |





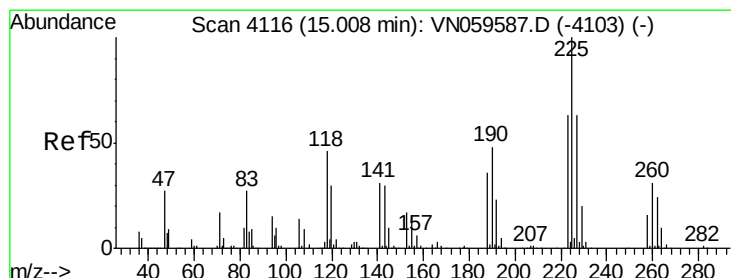
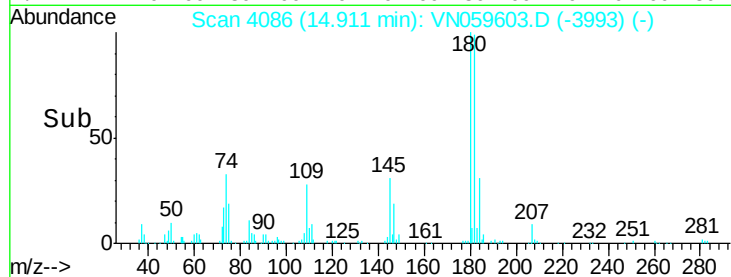
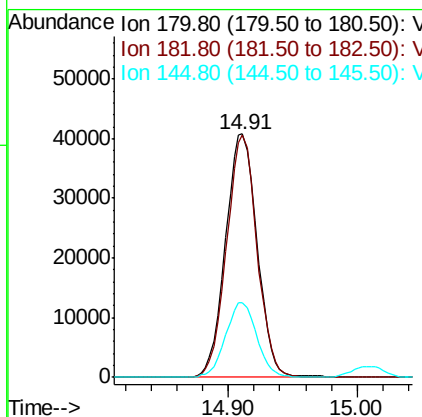
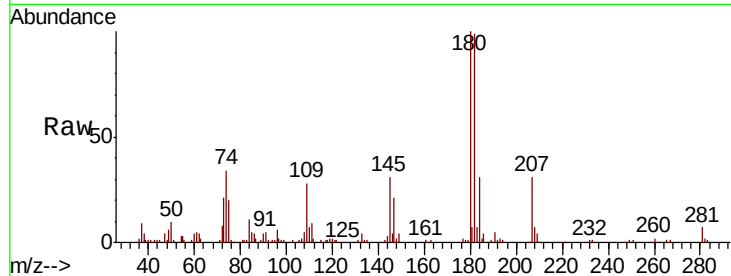
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.531 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. -0.00 min  
 Lab File: VN059603.D  
 Acq: 16 Dec 2019 15:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1216WBSD03

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 69429 |       |       |
| 182     | 95.4  | 46.9  | 140.7 |       |
| 145     | 30.4  | 15.0  | 45.1  |       |

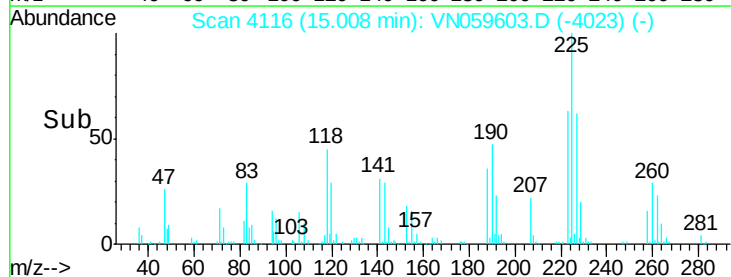
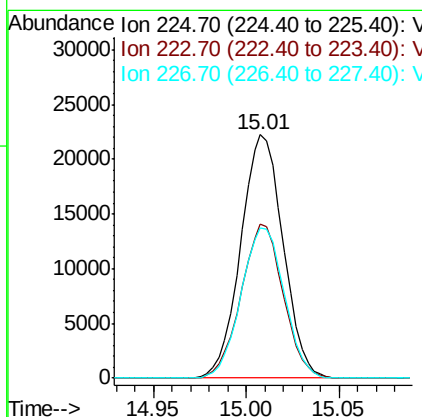
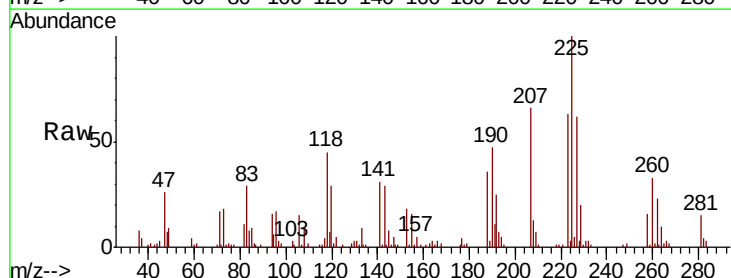
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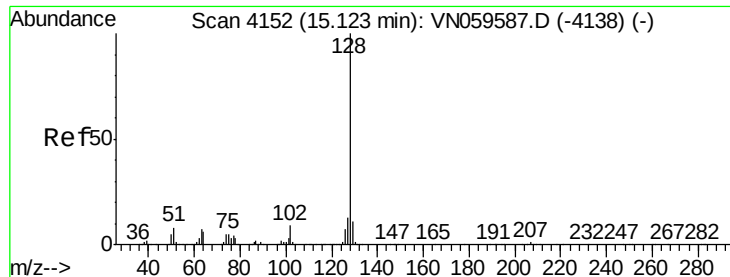
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#94  
 Hexachlorobutadiene  
 Concen: 17.451 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN059603.D  
 Acq: 16 Dec 2019 15:33

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 35208 |       |       |
| 223     | 62.9  | 31.8  | 95.3  |       |
| 227     | 62.9  | 32.1  | 96.5  |       |





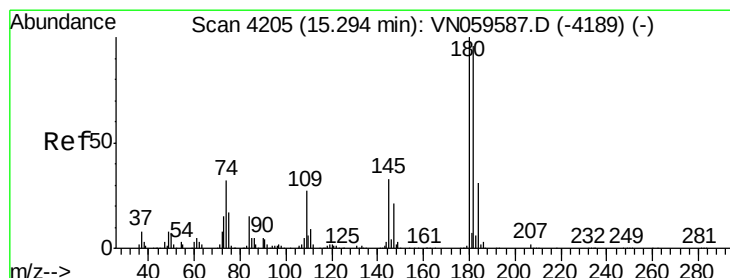
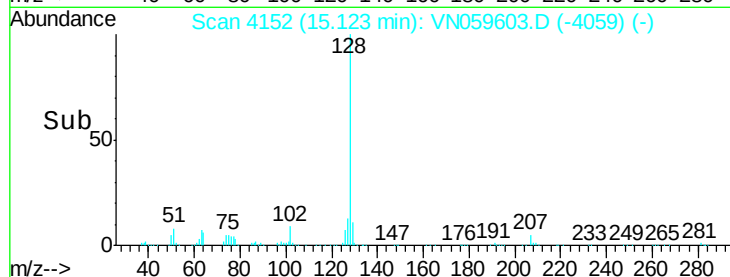
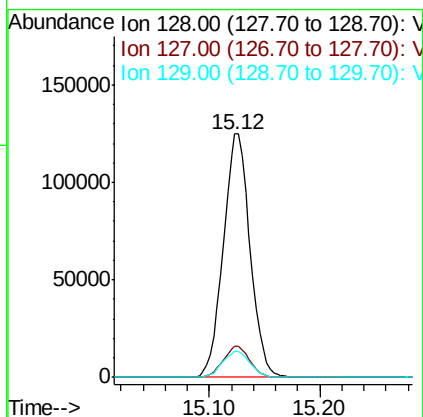
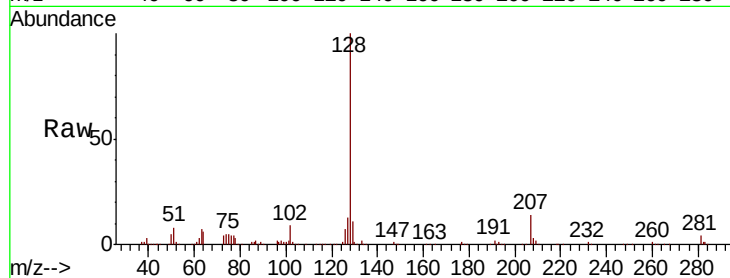
#95  
Naphthalene  
Concen: 17.741 ug/l  
RT: 15.12 min Scan# 4152  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBSD03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.7  | 10.4  | 15.6  |
| 129     | 11.0  | 8.6   | 12.8  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 17.521 ug/l  
RT: 15.29 min Scan# 4205  
Delta R.T. -0.00 min  
Lab File: VN059603.D  
Acq: 16 Dec 2019 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.9  | 47.4  | 142.3 |
| 145     | 32.5  | 16.3  | 48.9  |

