

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\  
 Data File : VN052019.D  
 Acq On : 26 Oct 2018 10:54  
 Operator : MD\SY  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Oct 26 23:18:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 24 10:12:55 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1437093  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1955245  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1831468  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 972944   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 504840   | 39.44 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 78.88% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 555065   | 44.49 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.98% |      |
| 50) Toluene-d8              | 10.09  | 98  | 2006881  | 44.51 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.02% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 680803   | 43.93 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.86% |      |

| Target Compounds              |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 627272  | 68.782  | ug/l   | 99     |
| 3) Chloromethane              | 2.06 | 50  | 407019  | 49.568  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.19 | 62  | 499134  | 45.349  | ug/l   | 99     |
| 5) Bromomethane               | 2.57 | 94  | 476925  | 45.257  | ug/l   | 94     |
| 6) Chloroethane               | 2.71 | 64  | 334086  | 40.885  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 894223  | 45.597  | ug/l   | 100    |
| 8) Diethyl Ether              | 3.41 | 74  | 257105  | 44.095  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 554360  | 47.187  | ug/l   | 98     |
| 10) Methyl Iodide             | 3.96 | 142 | 854063  | 49.136  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 4.78 | 59  | 115107  | 173.777 | ug/l # | 91     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 482389  | 45.850  | ug/l   | 99     |
| 13) Acrolein                  | 3.61 | 56  | 53901   | 157.569 | ug/l   | 96     |
| 14) Allyl chloride            | 4.33 | 41  | 458441  | 41.179  | ug/l   | 94     |
| 15) Acrylonitrile             | 4.99 | 53  | 627125  | 224.280 | ug/l   | 99     |
| 16) Acetone                   | 3.82 | 43  | 434662  | 206.125 | ug/l   | 100    |
| 17) Carbon Disulfide          | 4.06 | 76  | 1209774 | 48.373  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.33 | 43  | 239282  | 36.750  | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 5.04 | 73  | 1234653 | 43.709  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 515089  | 41.639  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 544692  | 45.713  | ug/l   | 98     |
| 22) Diisopropyl ether         | 5.95 | 45  | 1131490 | 44.422  | ug/l   | 99     |
| 23) Vinyl Acetate             | 5.90 | 43  | 4064981 | 234.602 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 807852  | 43.442  | ug/l   | 100    |
| 25) 2-Butanone                | 6.83 | 43  | 660359  | 219.665 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 780888  | 45.897  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 628922  | 45.183  | ug/l   | 98     |
| 28) Bromochloromethane        | 7.20 | 49  | 316745  | 42.262  | ug/l   | 92     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 421738  | 207.060 | ug/l   | 99     |
| 30) Chloroform                | 7.37 | 83  | 984083  | 43.339  | ug/l   | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 701708  | 46.808  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 920478  | 44.331  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.80 | 75  | 712511  | 47.506  | ug/l   | 98     |
| 37) Ethyl Acetate             | 6.93 | 43  | 313914  | 46.718  | ug/l   | 100    |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 848471  | 49.277  | ug/l   | 98     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Oct 26 23:18:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 24 10:12:55 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 916211   | 50.015  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 2112758  | 47.443  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.17  | 41   | 152826   | 45.345  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 644721   | 45.154  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 584692   | 46.549  | ug/l   | 98       |
| 44) Trichloroethene            | 8.84  | 130  | 715255   | 50.039  | ug/l   | 92       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 482471   | 47.894  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 374564   | 46.125  | ug/l   | 94       |
| 47) Bromodichloromethane       | 9.40  | 83   | 729399   | 47.560  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 282802   | 46.580  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 82306    | 739.326 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1568104  | 226.957 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 1464334  | 48.491  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 712118   | 45.580  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 800243   | 49.922  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 517896   | 46.417  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 577288   | 48.133  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 790382   | 46.662  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 1666738  | 265.595 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 1088719  | 234.522 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 642634   | 45.342  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 554891   | 47.168  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 715242   | 50.881  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.43 | 112  | 1770298  | 47.874  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 666265   | 50.128  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 2853020  | 47.999  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 2366497  | 99.648  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 1141652  | 49.430  | ug/l   | 97       |
| 70) Styrene                    | 11.96 | 104  | 1851979  | 50.168  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 428309   | 43.945  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 3028814  | 49.086  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.07 | 43   | 541244   | 44.564  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 555567   | 43.575  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 690332   | 68.690  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 873202   | 51.277  | ug/l   | 94       |
| 78) n-propylbenzene            | 12.59 | 91   | 3336006  | 50.118  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 1878859  | 48.471  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 2497178  | 50.443  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 145605   | 46.822  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1957060  | 48.764  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 2294580  | 49.006  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 2519512  | 49.340  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 3008001  | 49.188  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 2773401  | 50.374  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1541902  | 49.093  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 1505228  | 48.611  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 2105109  | 48.018  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 415263   | 50.628  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1412817  | 46.499  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 68085    | 34.780  | ug/l   | 95       |

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Data File : VN052019.D  
Acq On : 26 Oct 2018 10:54  
Operator : MD\SY  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 28

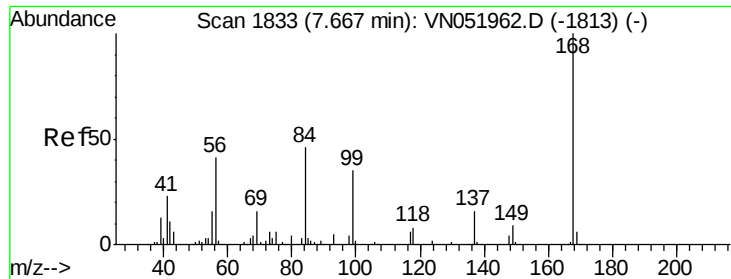
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Quant Time: Oct 26 23:18:52 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 24 10:12:55 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 597013   | 33.263 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 369530   | 40.069 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 1097021  | 28.144 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 476747   | 27.790 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

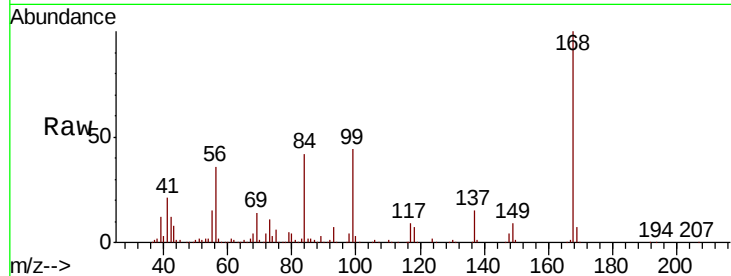
VSTDCCC050

Tot Ion:168 Resp: 1437093

Ion Ratio Lower Upper

168 100

99 44.4 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

7.67

600000

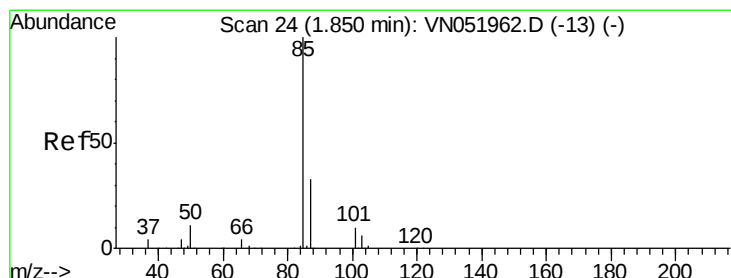
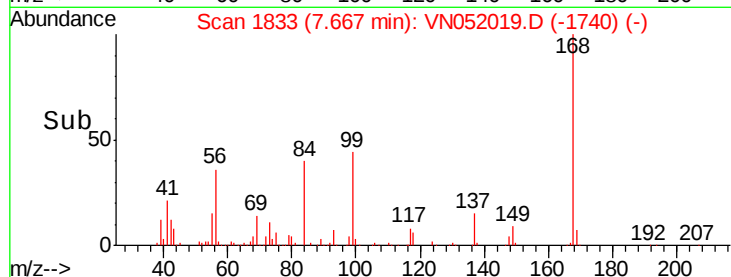
400000

200000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 68.782 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052019.D

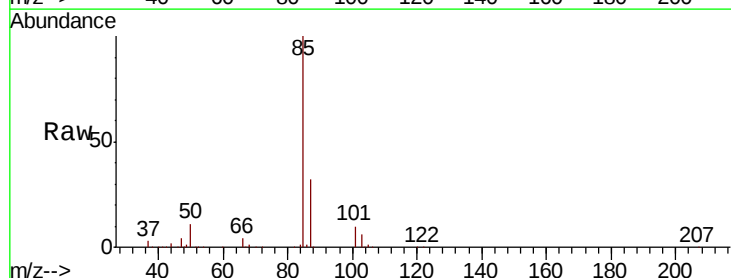
Acq: 26 Oct 2018 10:54

Tgt Ion: 85 Resp: 627272

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN051962.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051962.D (-13) (-)

1.85

500000

400000

300000

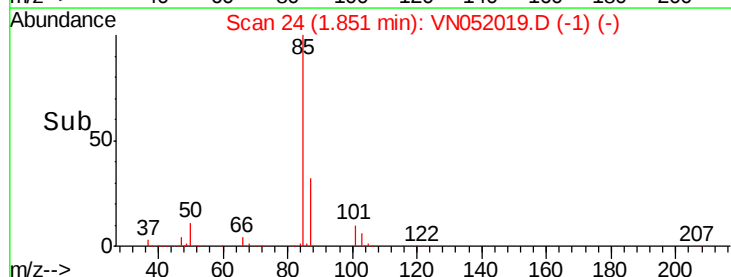
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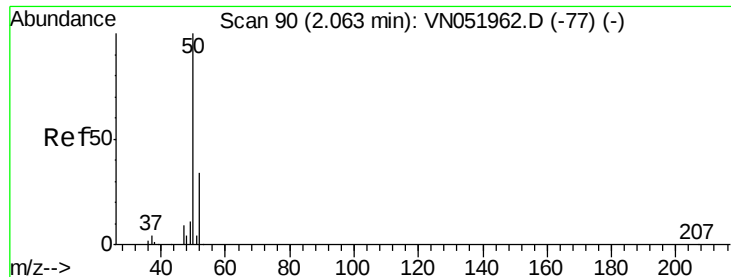
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 49.568 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

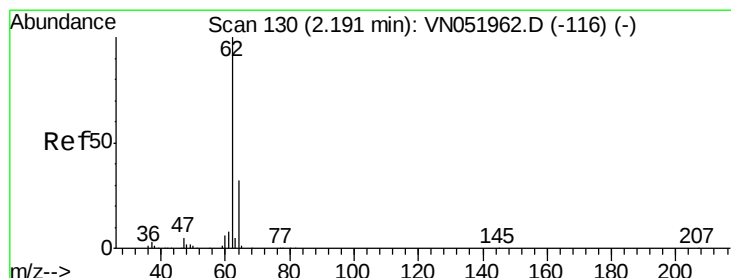
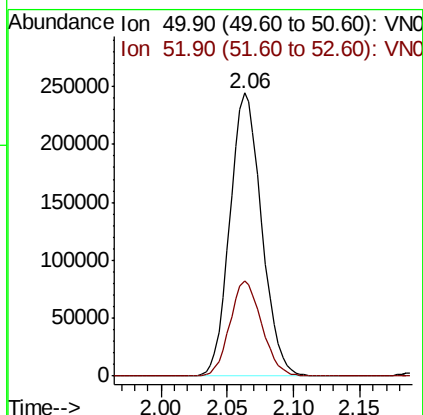
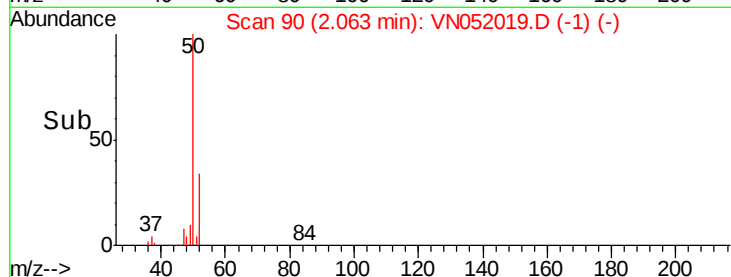
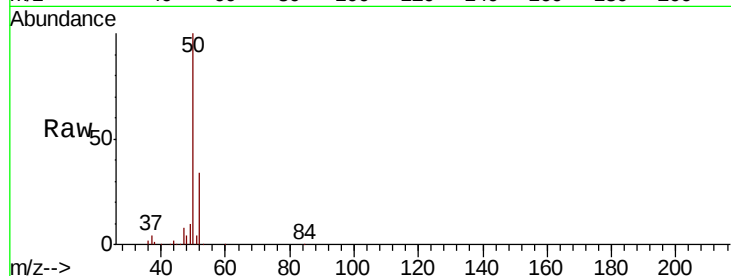
VSTDCCC050

Tot Ion: 50 Resp: 407019

Ion Ratio Lower Upper

50 100

52 33.6 27.5 41.3



#4

Vinyl Chloride

Concen: 45.349 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052019.D

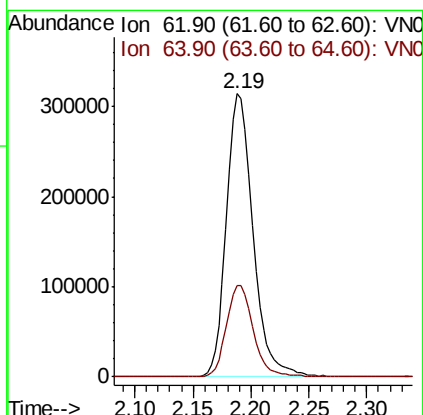
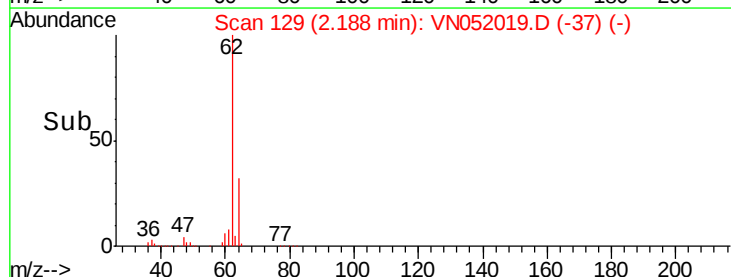
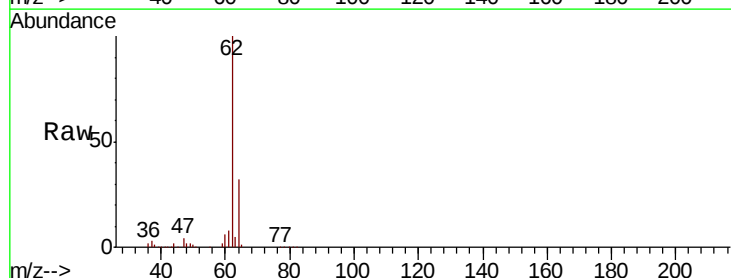
Acq: 26 Oct 2018 10:54

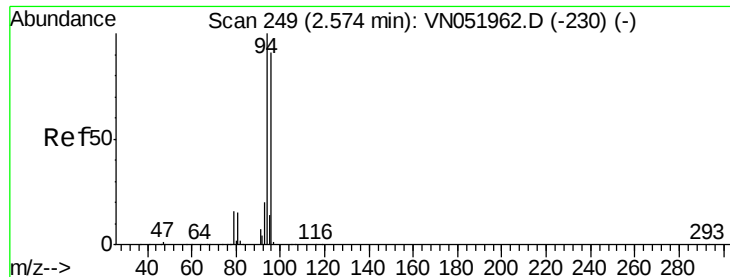
Tgt Ion: 62 Resp: 499134

Ion Ratio Lower Upper

62 100

64 32.2 26.0 39.0





#5

Bromomethane

Concen: 45.257 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

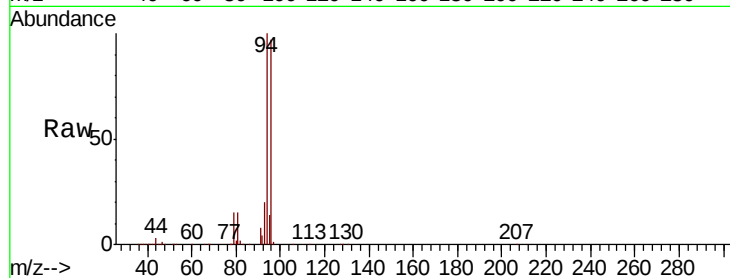
VSTDCCC050

Tot Ion: 94 Resp: 476925

Ion Ratio Lower Upper

94 100

96 97.2 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

250000

200000

150000

100000

50000

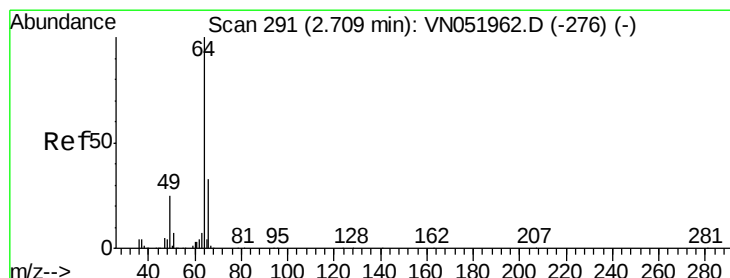
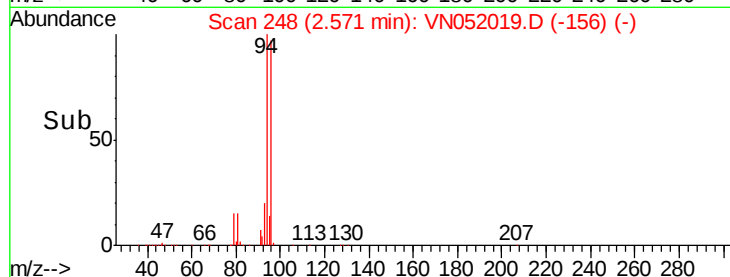
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 40.885 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052019.D

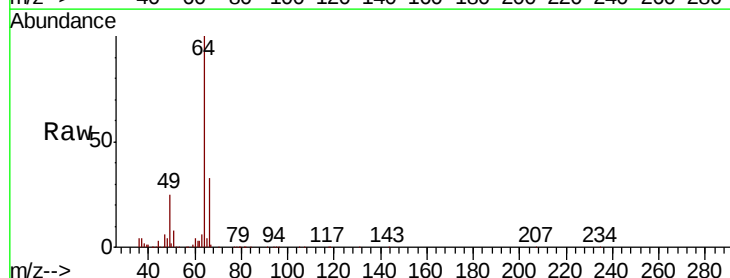
Acq: 26 Oct 2018 10:54

Tgt Ion: 64 Resp: 334086

Ion Ratio Lower Upper

64 100

66 32.9 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

150000

100000

50000

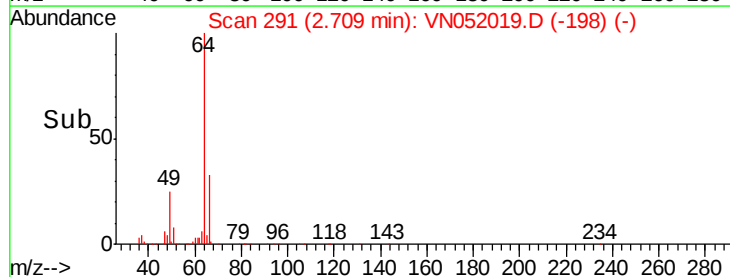
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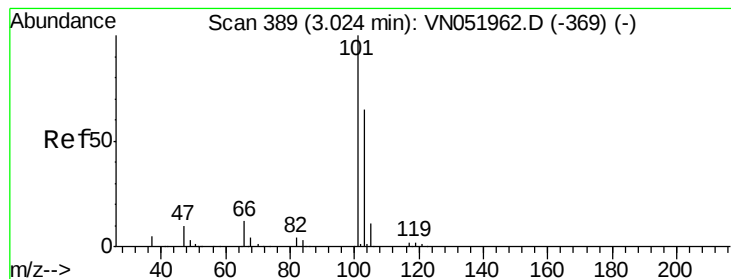
Time-->

2.60

2.70

2.80



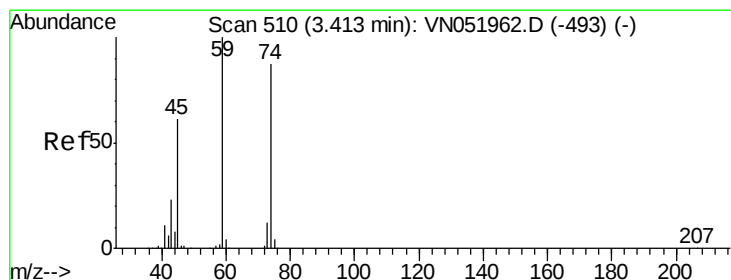
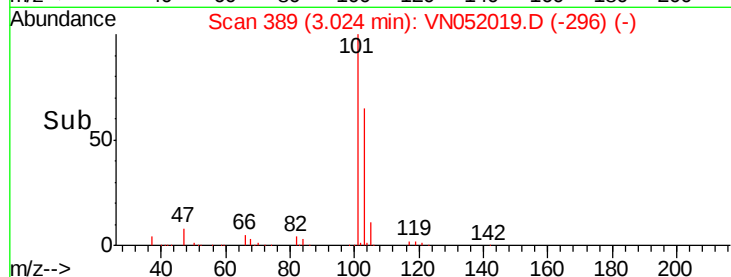
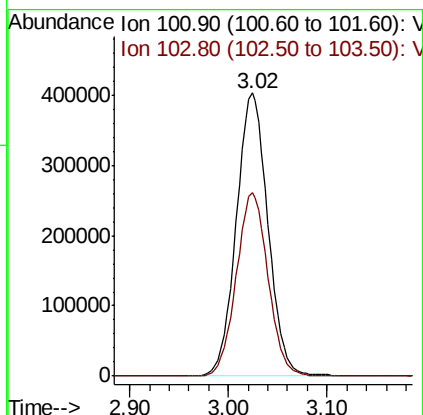
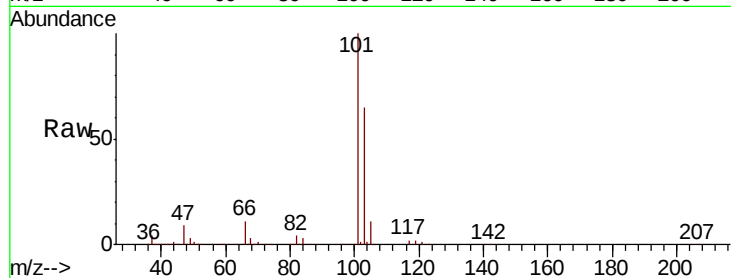


#7

Trichlorofluoromethane  
Concen: 45.597 ug/l  
RT: 3.02 min Scan# 389  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

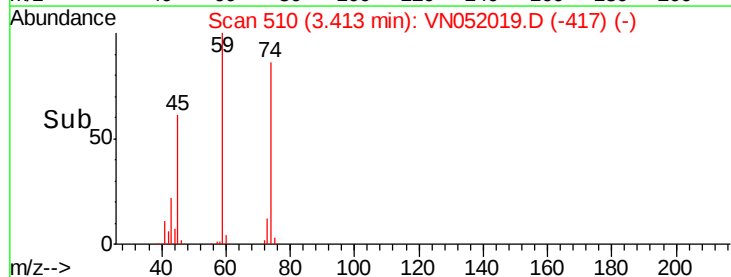
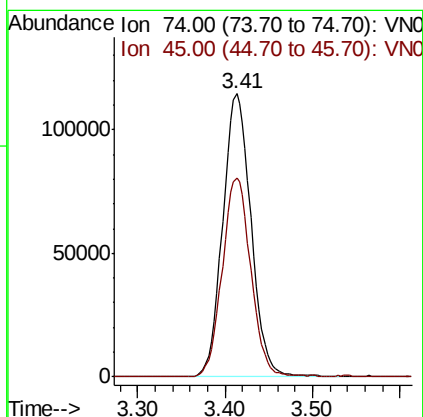
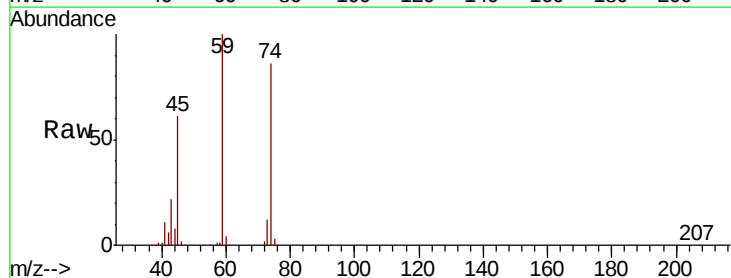
Tot Ion:101 Resp: 894223  
Ion Ratio Lower Upper  
101 100  
103 64.7 52.0 78.0

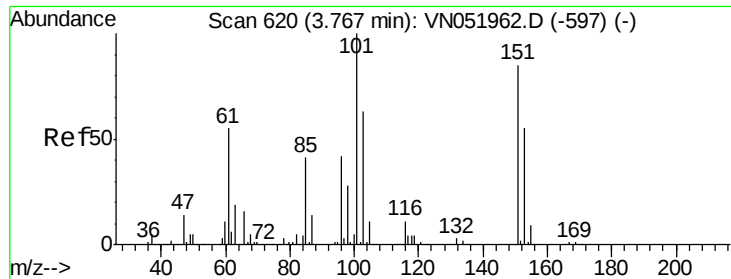


#8

Diethyl Ether  
Concen: 44.095 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Tgt Ion: 74 Resp: 257105  
Ion Ratio Lower Upper  
74 100  
45 70.1 35.5 106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.187 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

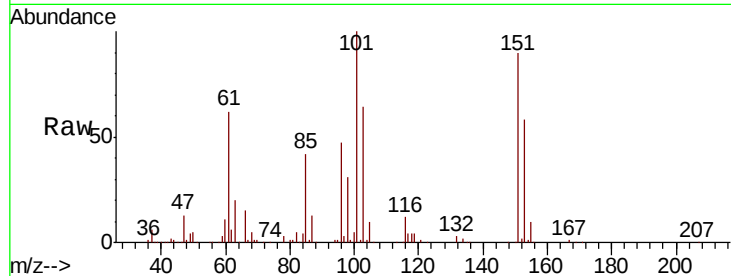
Tot Ion:101 Resp: 554360

Ion Ratio Lower Upper

101 100

85 41.6 34.2 51.4

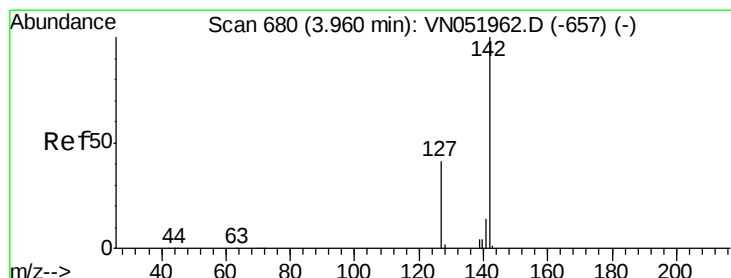
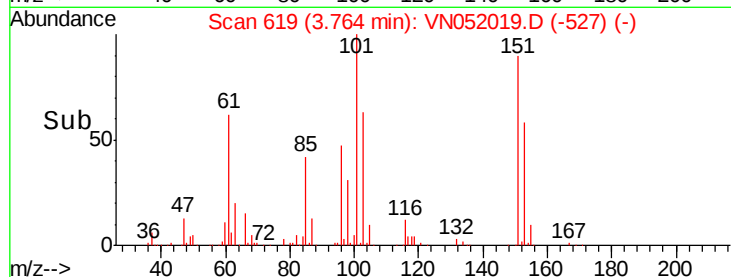
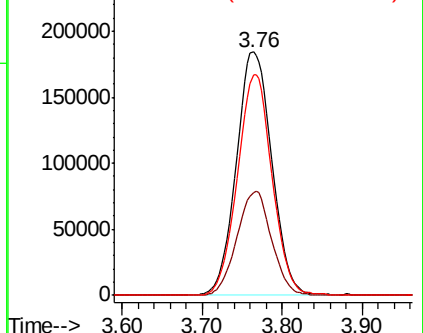
151 88.2 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.136 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

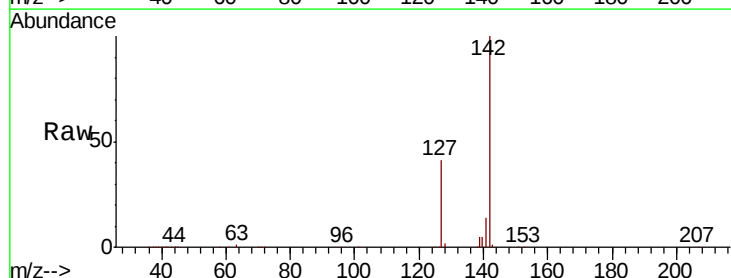
Tgt Ion:142 Resp: 854063

Ion Ratio Lower Upper

142 100

127 41.1 34.3 51.5

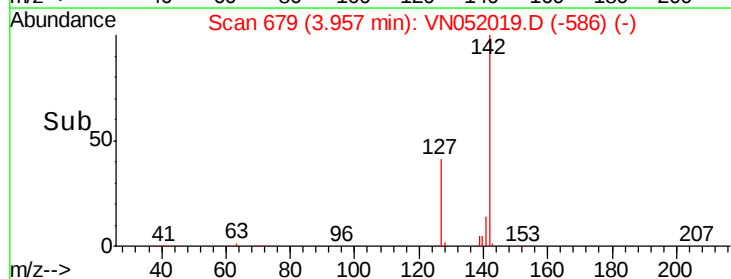
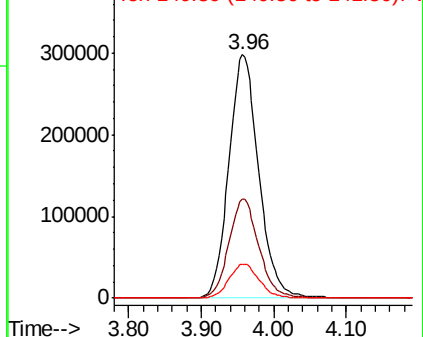
141 14.2 11.4 17.0

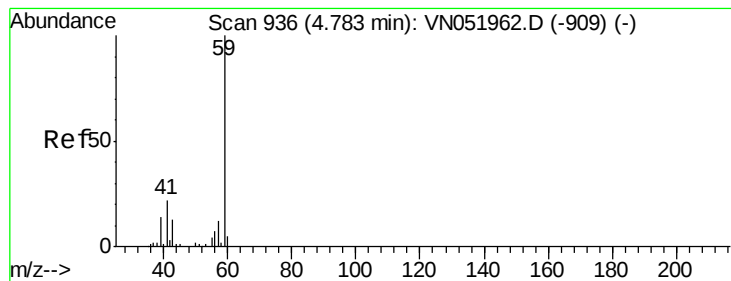


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



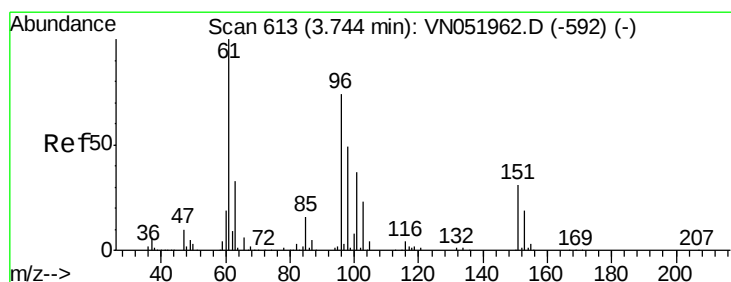
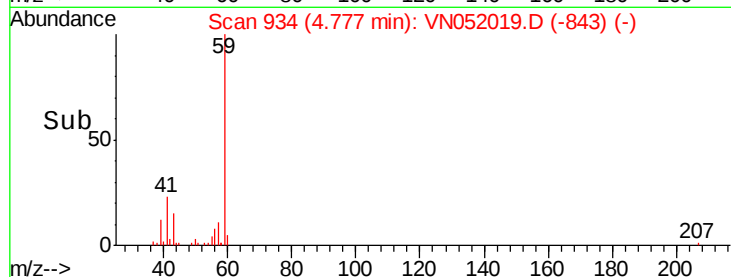
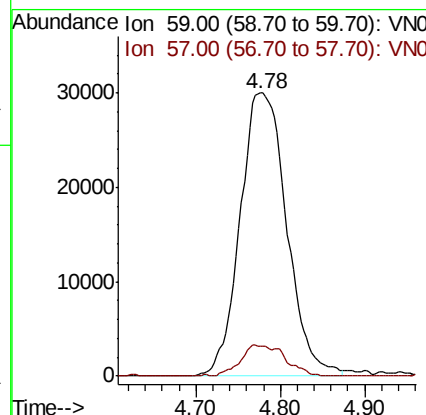
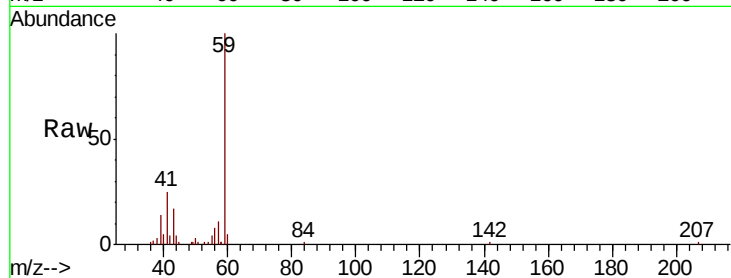


#11

Tert butyl alcohol  
 Concen: 173.777 ug/l  
 RT: 4.78 min Scan# 934  
 Delta R.T. -0.01 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

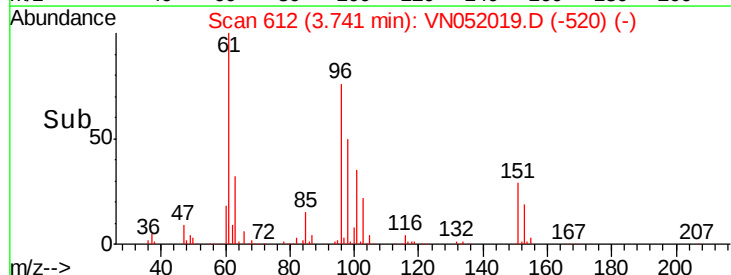
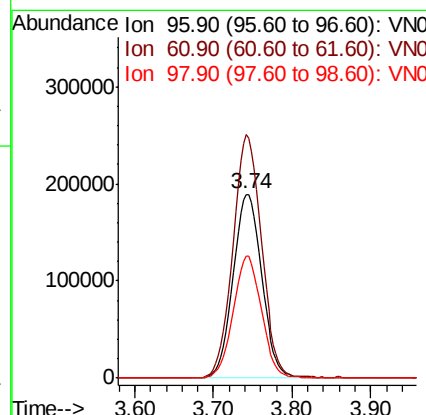
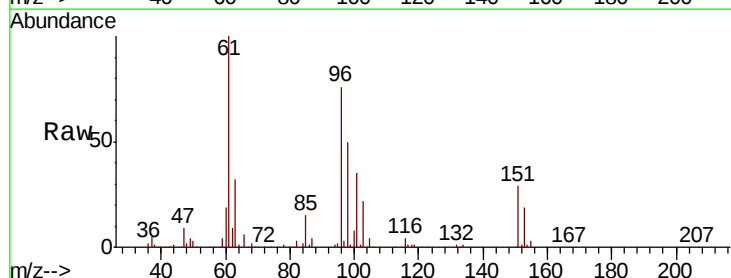
Tot Ion: 59 Resp: 115107  
 Ion Ratio Lower Upper  
 59 100  
 57 6.9 8.2 12.4#

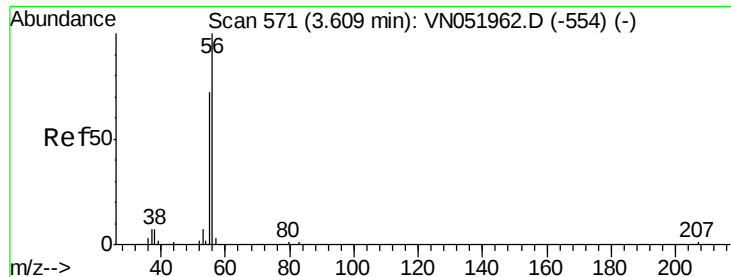


#12

1,1-Dichloroethene  
 Concen: 45.850 ug/l  
 RT: 3.74 min Scan# 612  
 Delta R.T. -0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

Tgt Ion: 96 Resp: 482389  
 Ion Ratio Lower Upper  
 96 100  
 61 132.4 107.8 161.8  
 98 66.2 52.7 79.1





#13

Acrolein

Concen: 157.569 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

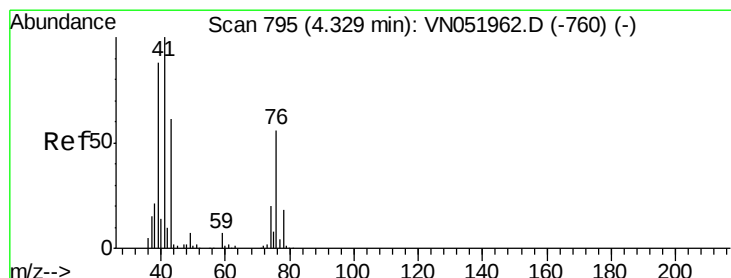
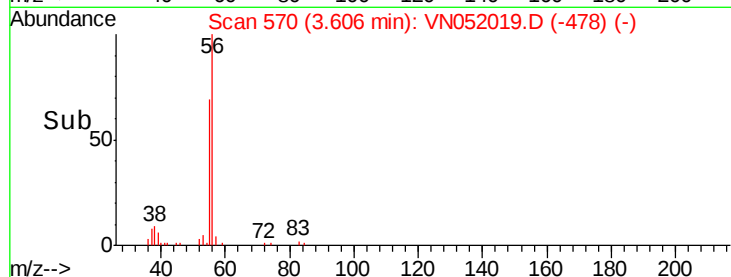
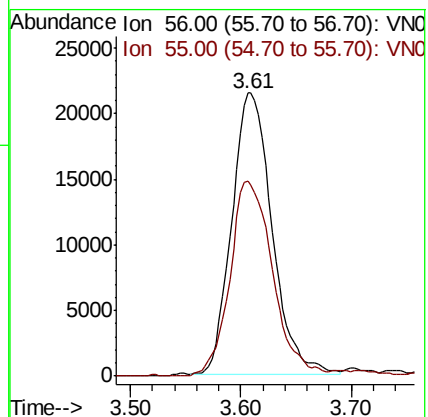
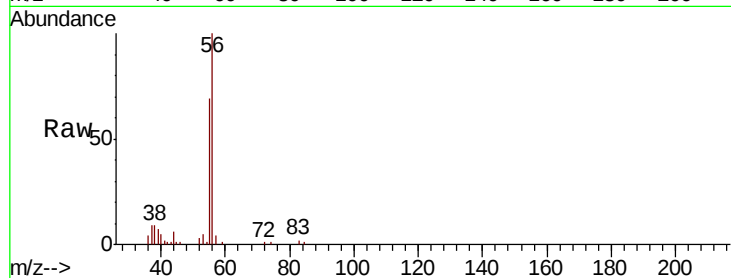
VSTDCCC050

Tot Ion: 56 Resp: 53901

Ion Ratio Lower Upper

56 100

55 74.0 56.6 84.8



#14

Allyl chloride

Concen: 41.179 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

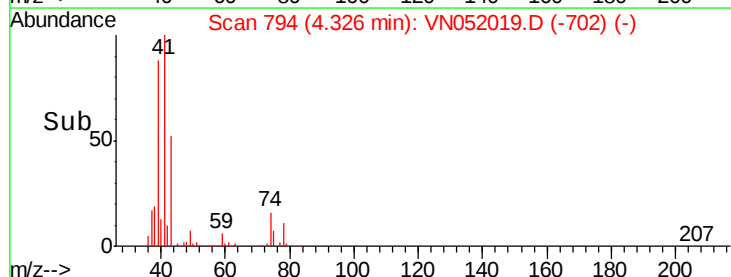
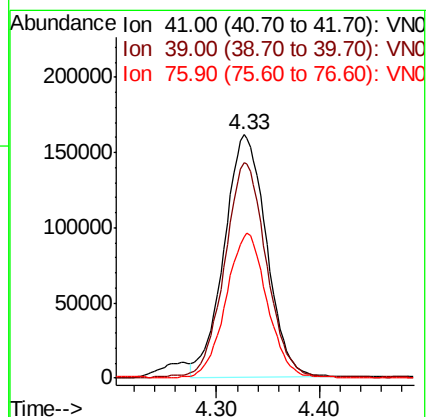
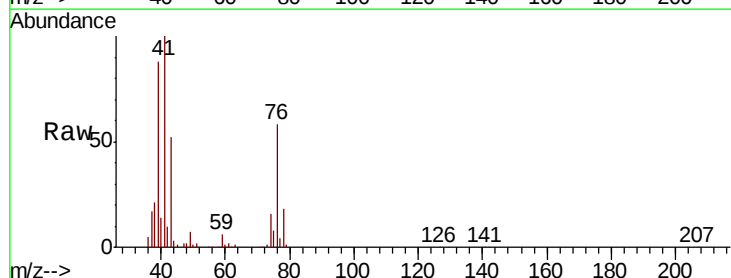
Tgt Ion: 41 Resp: 458441

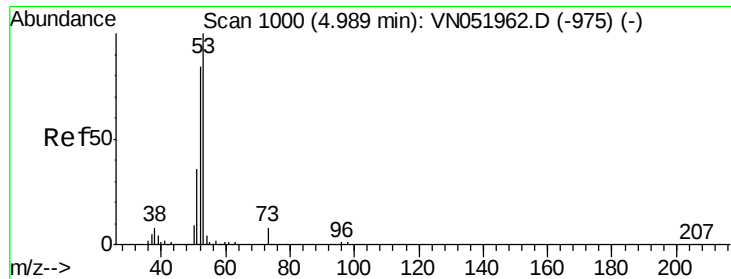
Ion Ratio Lower Upper

41 100

39 88.9 67.7 101.5

76 57.6 41.3 61.9

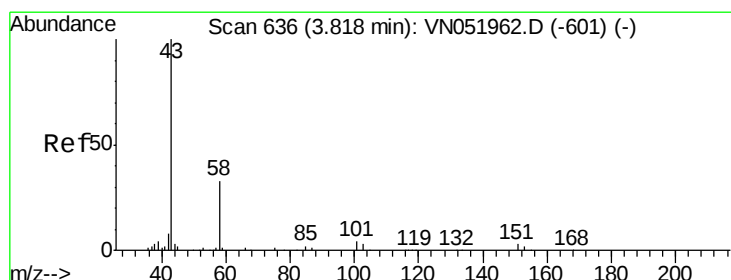
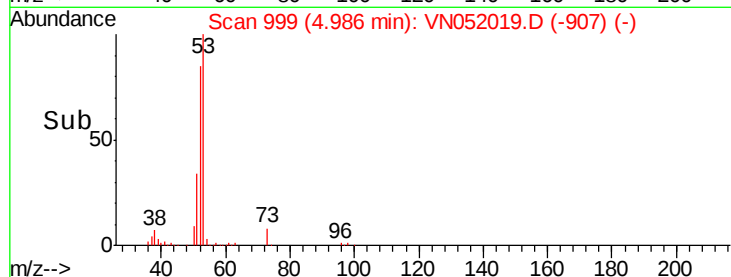
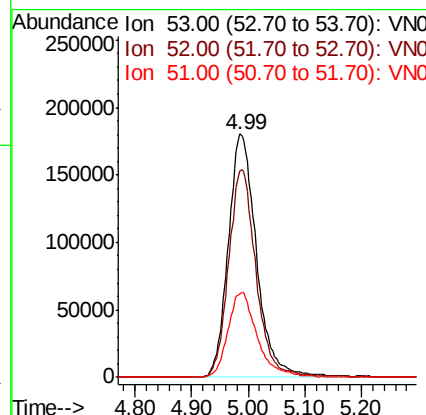
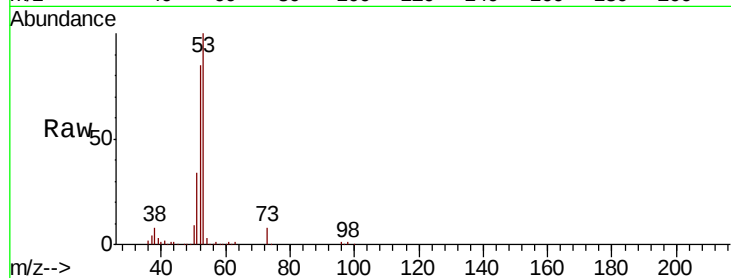




#15  
 Acrylonitrile  
 Concen: 224.280 ug/l  
 RT: 4.99 min Scan# 999  
 Delta R.T. -0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

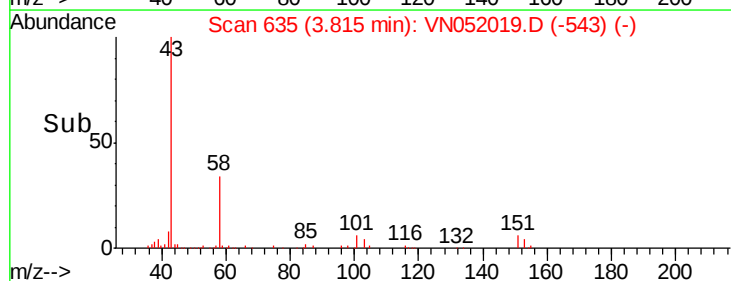
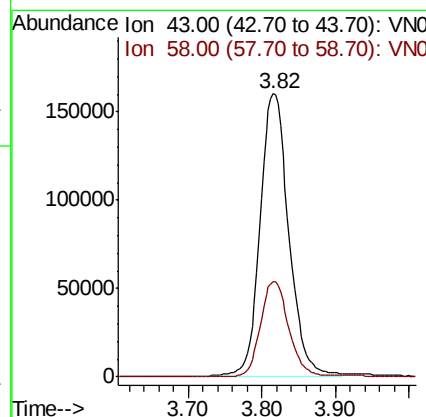
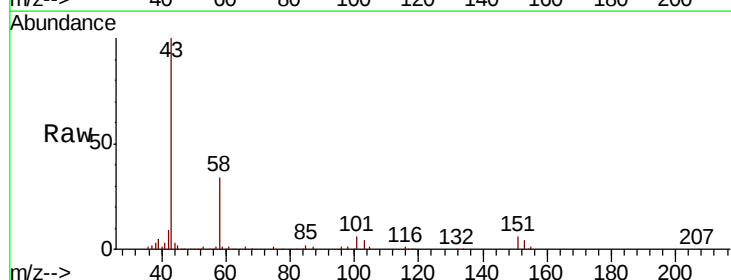
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

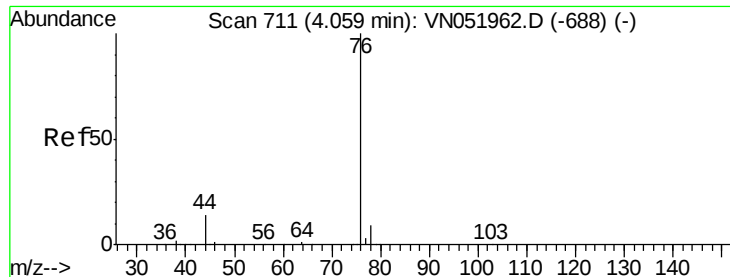
Tot Ion: 53 Resp: 627125  
 Ion Ratio Lower Upper  
 53 100  
 52 82.7 67.0 100.4  
 51 36.2 29.5 44.3



#16  
 Acetone  
 Concen: 206.125 ug/l  
 RT: 3.82 min Scan# 635  
 Delta R.T. -0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

Tgt Ion: 43 Resp: 434662  
 Ion Ratio Lower Upper  
 43 100  
 58 33.7 26.7 40.1

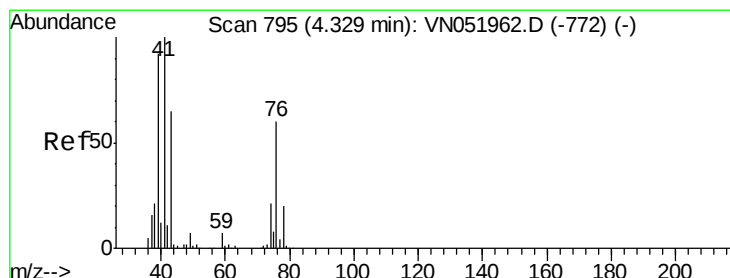
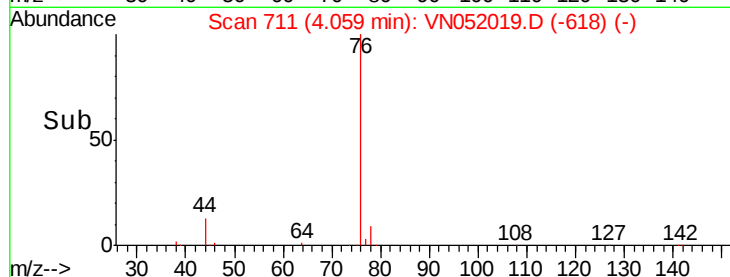
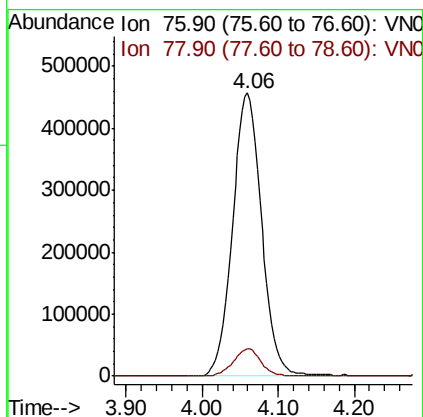
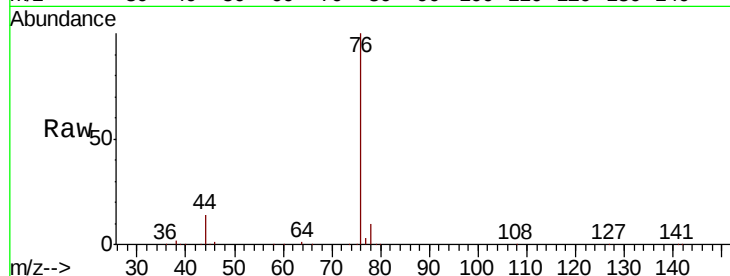




#17  
Carbon Disulfide  
Concen: 48.373 ug/l  
RT: 4.06 min Scan# 711  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

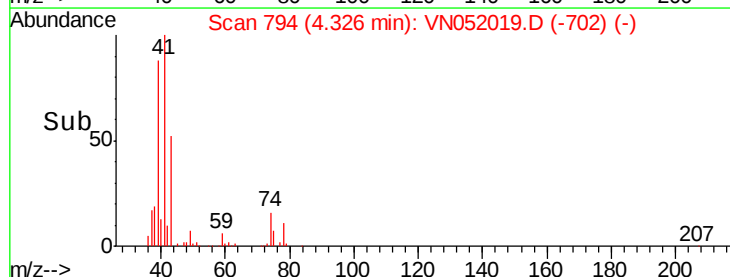
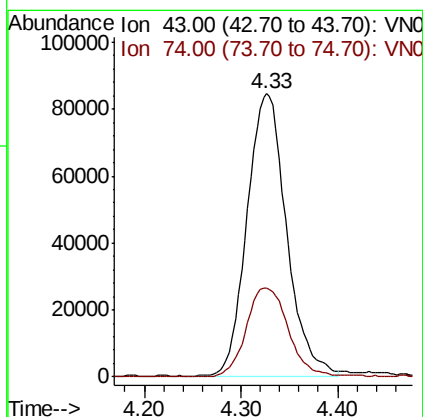
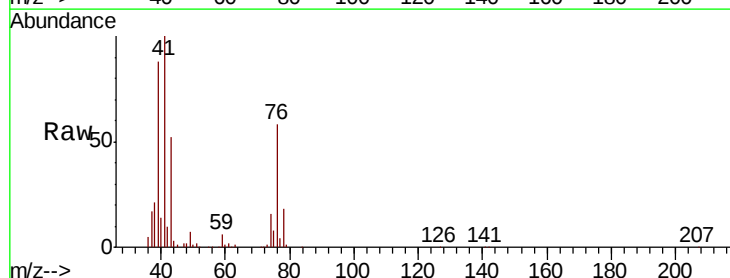
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

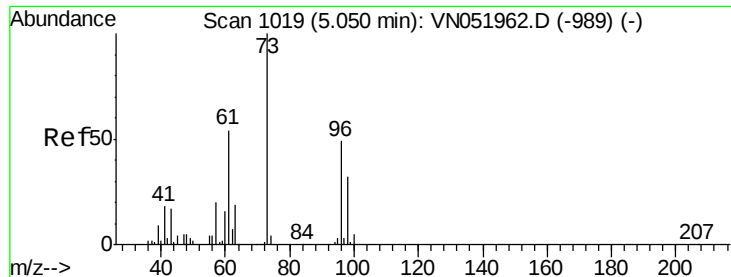
Tot Ion: 76 Resp: 1209774  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.3 10.9



#18  
Methyl Acetate  
Concen: 36.750 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. -0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Tgt Ion: 43 Resp: 239282  
Ion Ratio Lower Upper  
43 100  
74 33.8 25.7 38.5

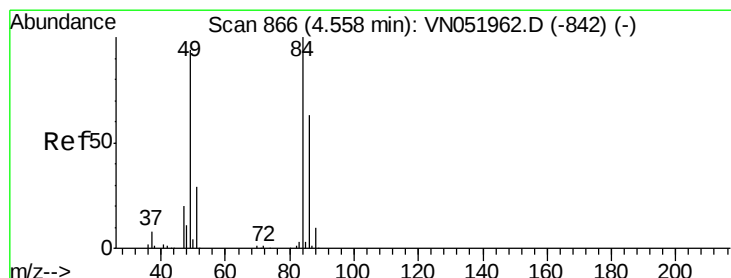
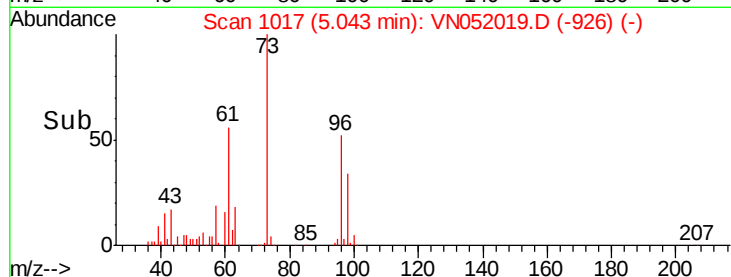
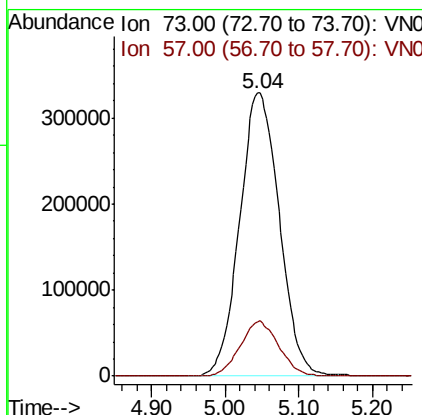
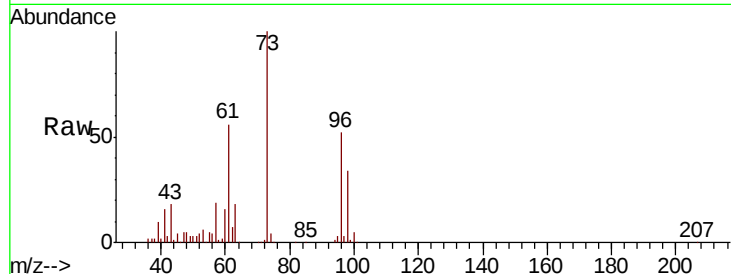




#19  
Methyl tert-butyl Ether  
Concen: 43.709 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

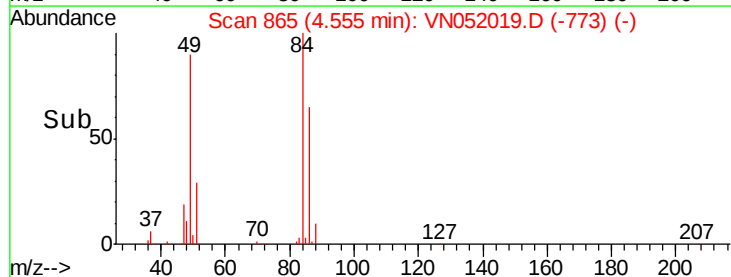
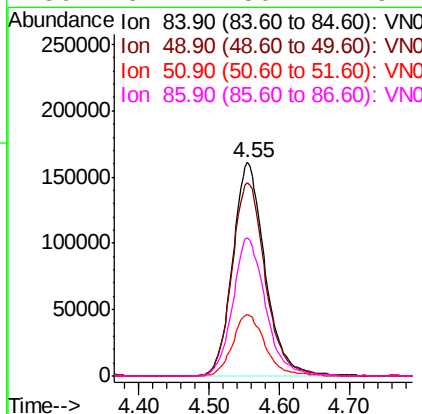
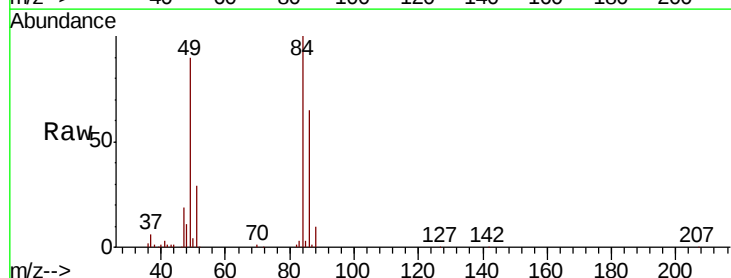
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

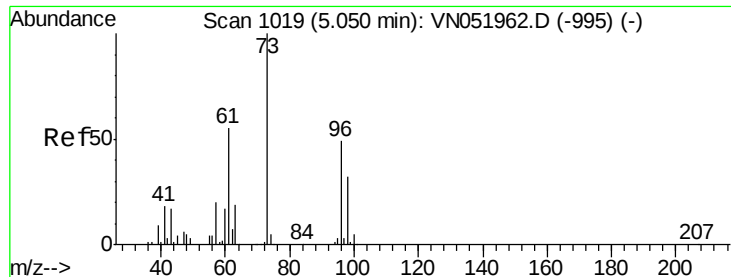
Tot Ion: 73 Resp: 1234653  
Ion Ratio Lower Upper  
73 100  
57 19.3 15.9 23.9



#20  
Methylene Chloride  
Concen: 41.639 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Tgt Ion: 84 Resp: 515089  
Ion Ratio Lower Upper  
84 100  
49 90.3 75.4 113.0  
51 28.7 23.1 34.7  
86 64.7 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 45.713 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

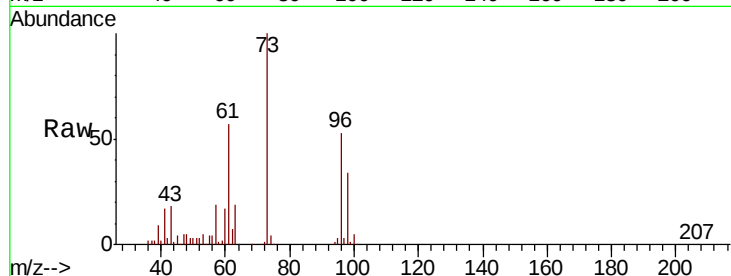
Tot Ion: 96 Resp: 544692

Ion Ratio Lower Upper

96 100

61 108.9 89.0 133.4

98 64.4 51.8 77.8

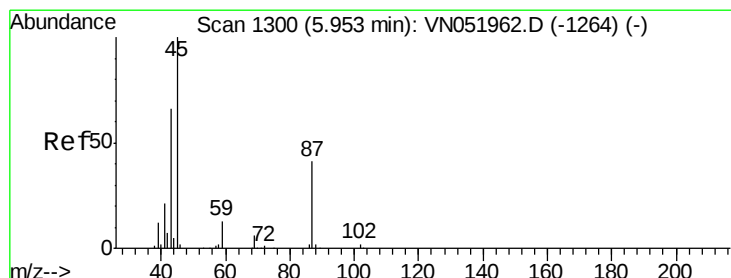
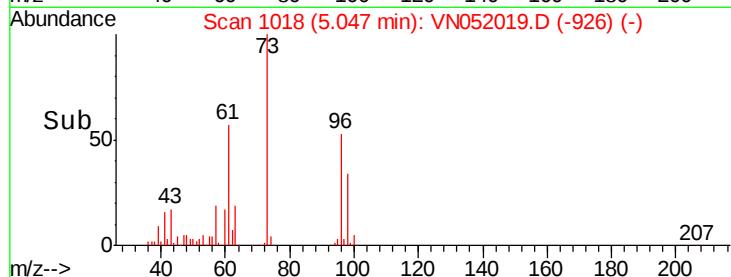
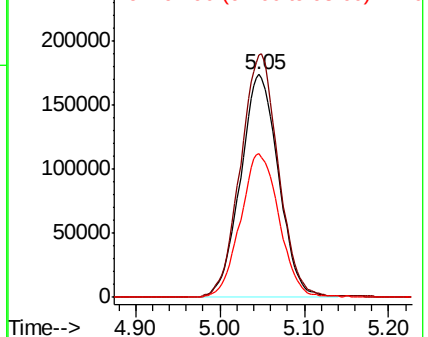


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 44.422 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Tgt Ion: 45 Resp: 1131490

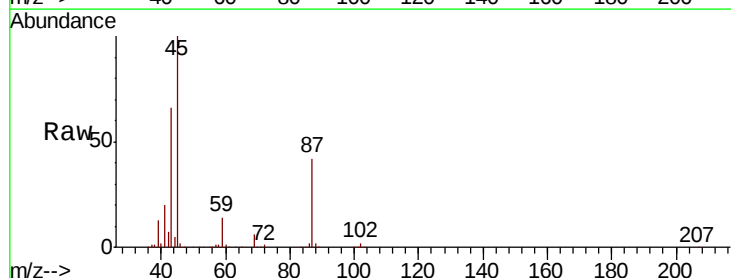
Ion Ratio Lower Upper

45 100

43 64.8 52.9 79.3

87 42.1 33.4 50.0

59 13.5 10.5 15.7



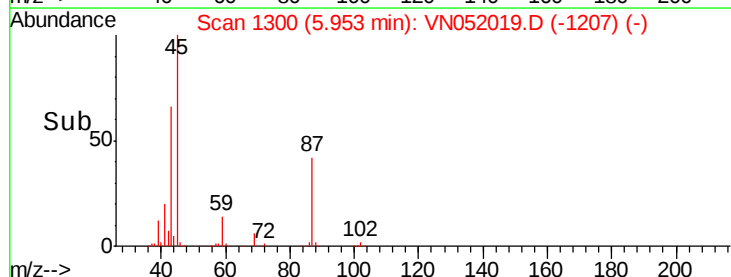
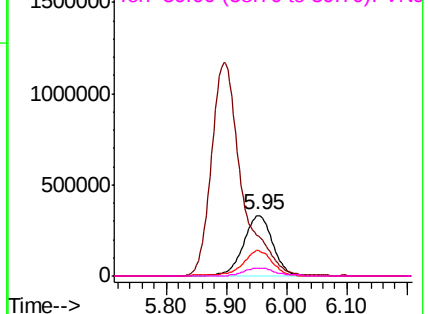
Abundance

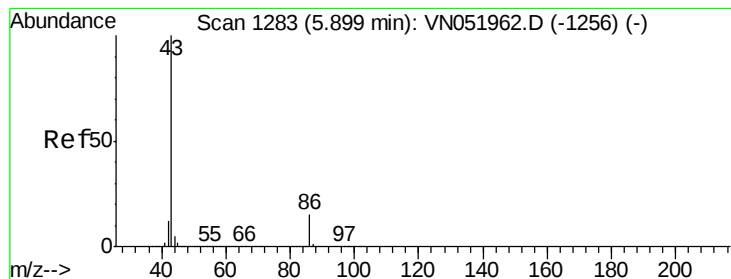
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 234.602 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

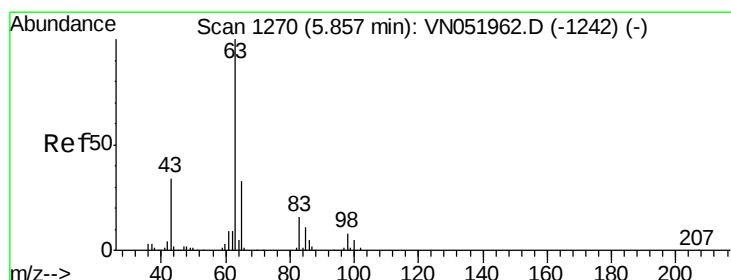
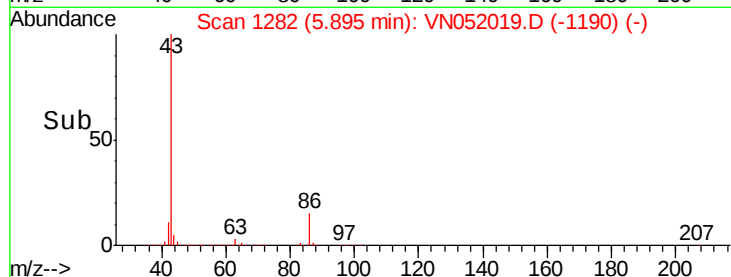
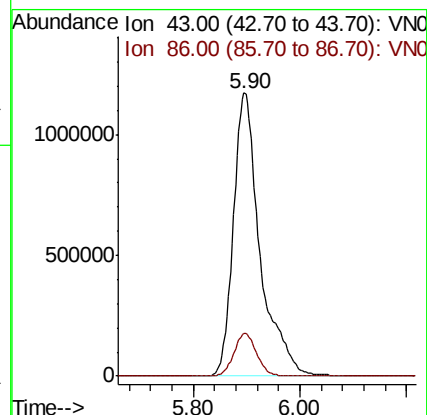
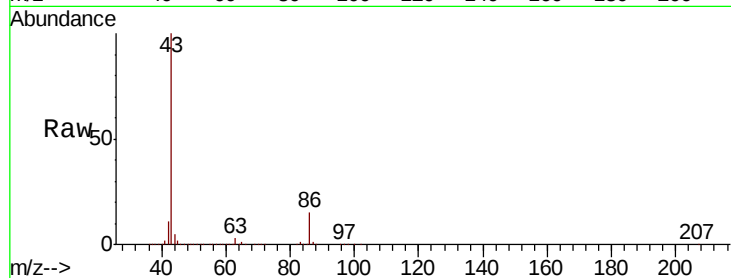
VSTDCCC050

Tot Ion: 43 Resp: 4064981

Ion Ratio Lower Upper

43 100

86 15.2 11.9 17.9



#24

1,1-Dichloroethane

Concen: 43.442 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

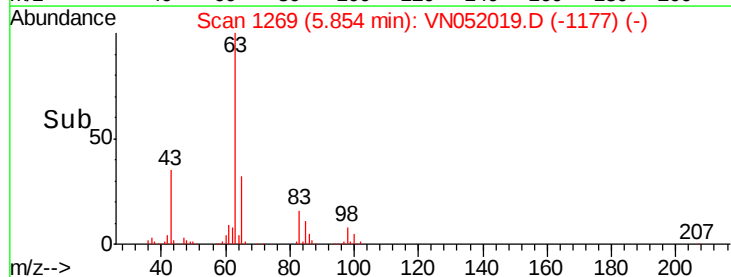
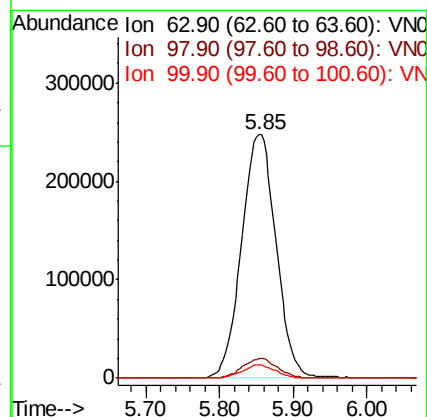
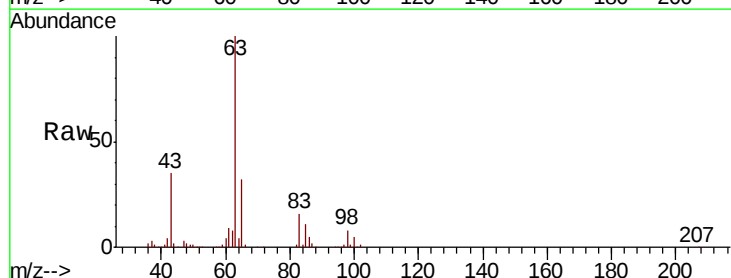
Tgt Ion: 63 Resp: 807852

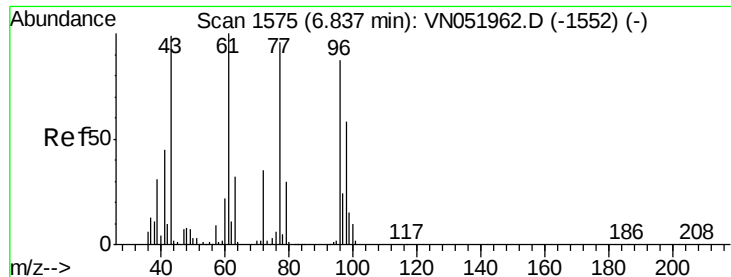
Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

100 5.4 2.6 8.0

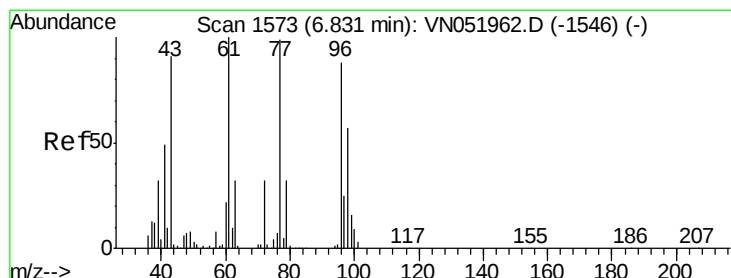
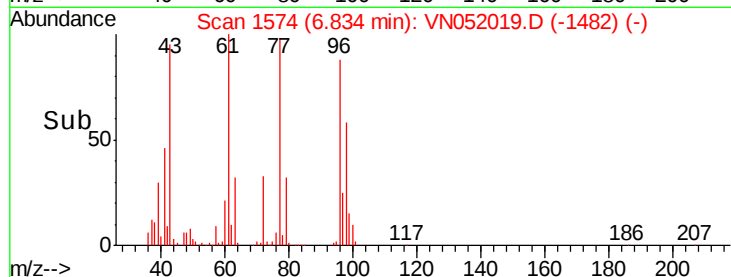
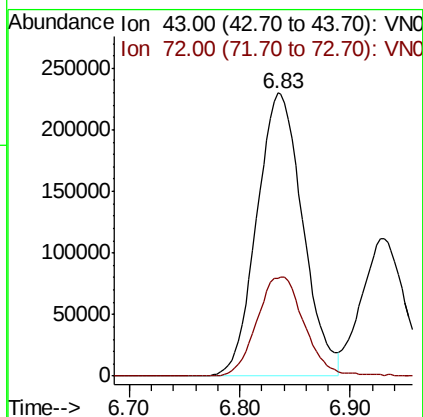
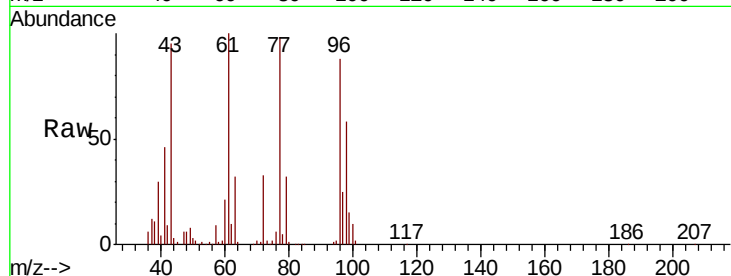




#25  
 2-Butanone  
 Concen: 219.665 ug/l  
 RT: 6.83 min Scan# 1574  
 Delta R.T. -0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

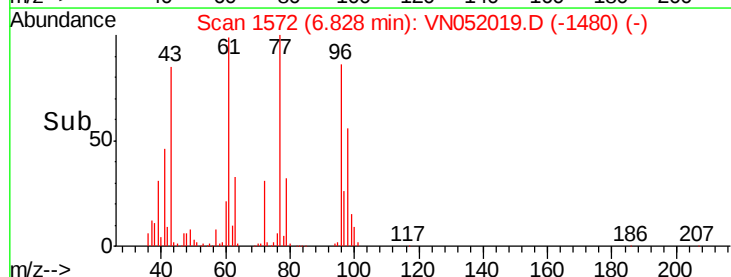
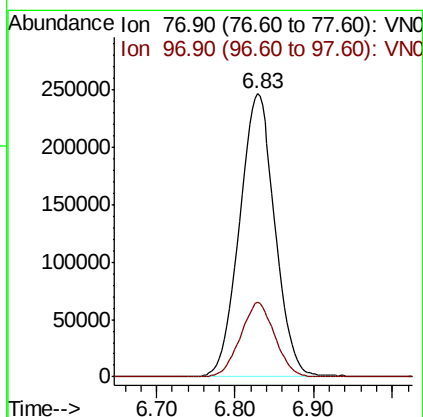
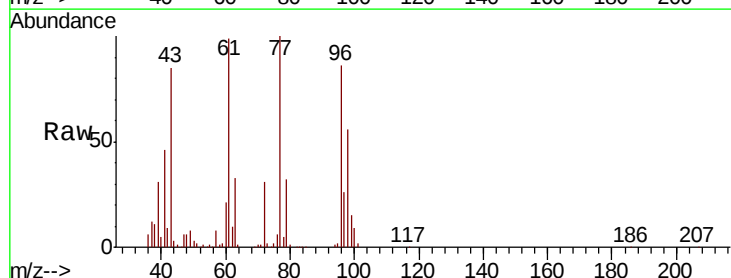
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

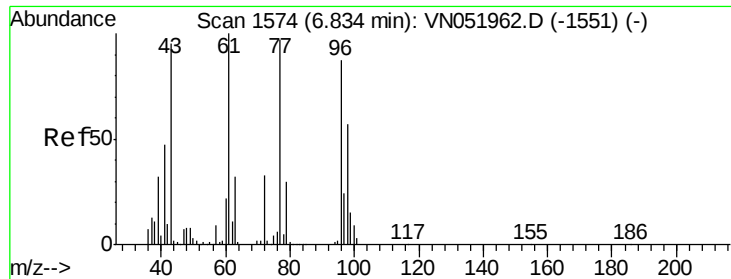
Tot Ion: 43 Resp: 660359  
 Ion Ratio Lower Upper  
 43 100  
 72 34.8 28.5 42.7



#26  
 2,2-Dichloropropane  
 Concen: 45.897 ug/l  
 RT: 6.83 min Scan# 1572  
 Delta R.T. -0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

Tgt Ion: 77 Resp: 780888  
 Ion Ratio Lower Upper  
 77 100  
 97 25.7 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 45.183 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

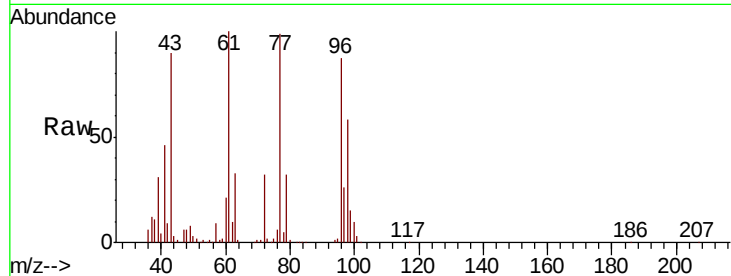
Tot Ion: 96 Resp: 628922

Ion Ratio Lower Upper

96 100

61 114.7 0.0 234.4

98 65.3 0.0 131.6



Abundance Ion 95.90 (95.60 to 96.60): VN051962.D (-1551) (-)

Ion 60.90 (60.60 to 61.60): VN051962.D (-1551) (-)

Ion 97.90 (97.60 to 98.60): VN051962.D (-1551) (-)

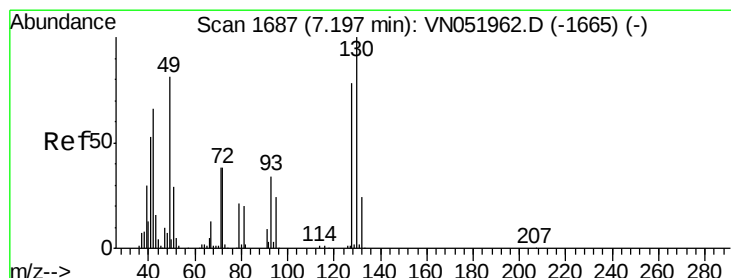
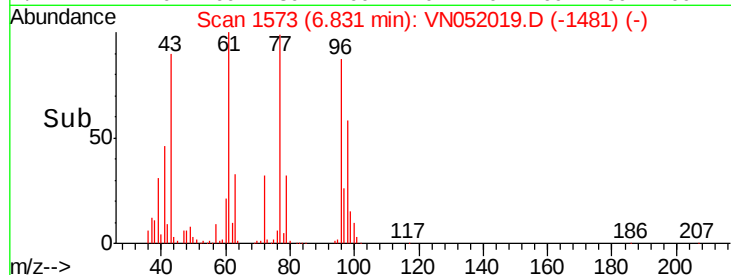
6.83

200000

100000

0

Time-->



#28

Bromochloromethane

Concen: 42.262 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

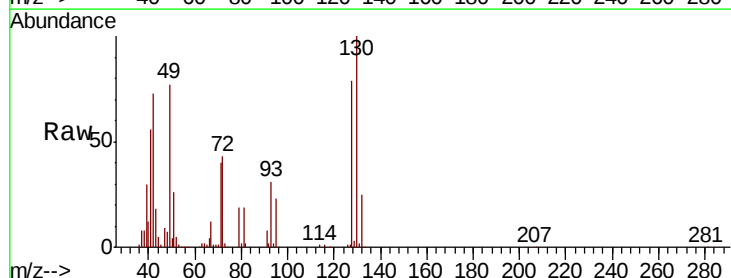
Tgt Ion: 49 Resp: 316745

Ion Ratio Lower Upper

49 100

129 3.3 0.0 5.4

130 130.0 97.0 145.6



Abundance Ion 48.90 (48.60 to 49.60): VN051962.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051962.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN051962.D (-1665) (-)

7.20

200000

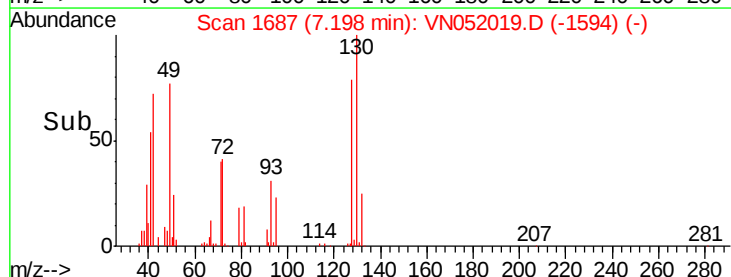
150000

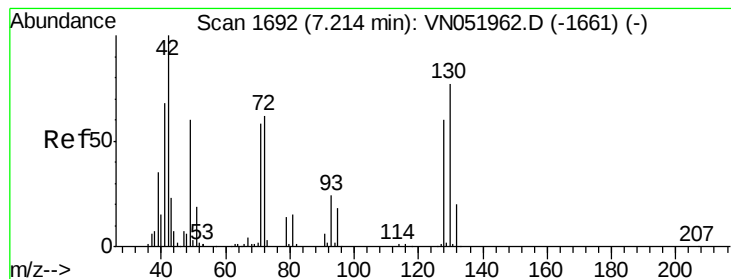
100000

50000

0

Time-->





#29

Tetrahydrofuran

Concen: 207.060 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

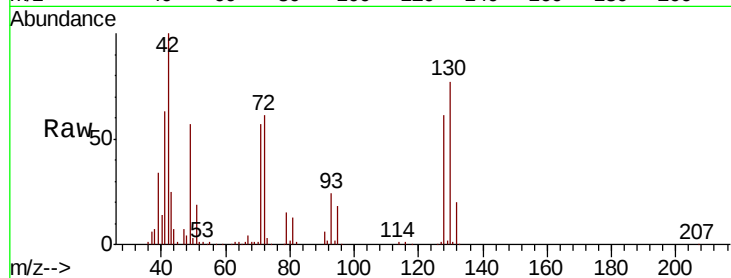
Tot Ion: 42 Resp: 421738

Ion Ratio Lower Upper

42 100

72 60.4 47.5 71.3

71 56.4 45.4 68.2

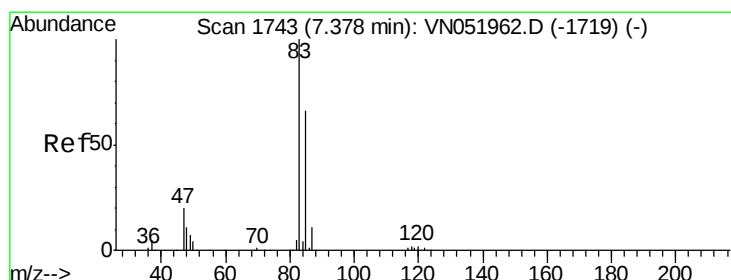
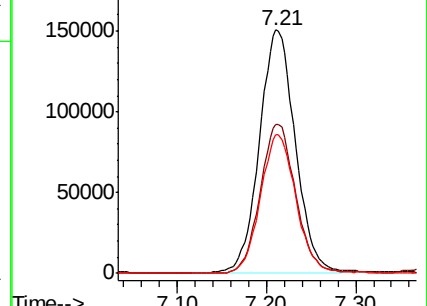
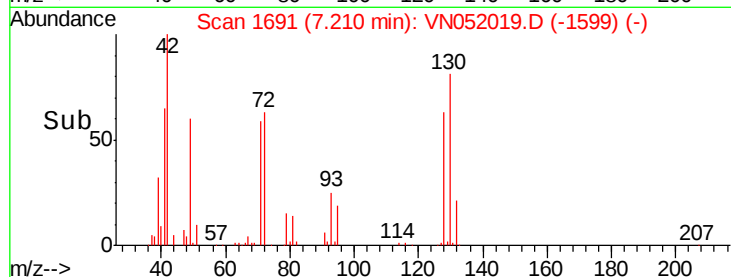


Abundance Ion 42.00 (41.70 to 42.70): VN051962.D (-1661) (-)

Ion 72.00 (71.70 to 72.70): VN051962.D (-1661) (-)

Ion 71.00 (70.70 to 71.70): VN051962.D (-1661) (-)

Time-->



#30

Chloroform

Concen: 43.339 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN052019.D

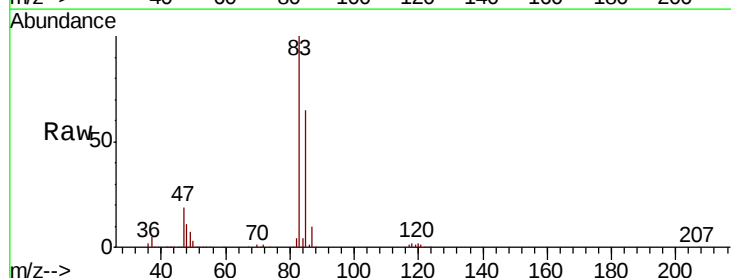
Acq: 26 Oct 2018 10:54

Tgt Ion: 83 Resp: 984083

Ion Ratio Lower Upper

83 100

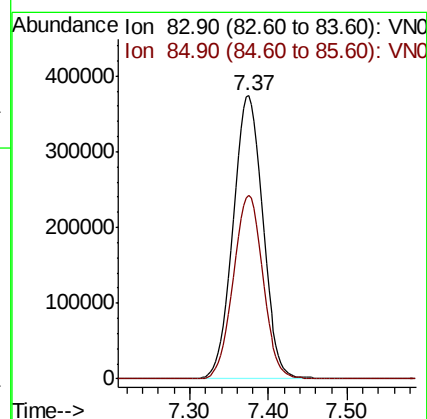
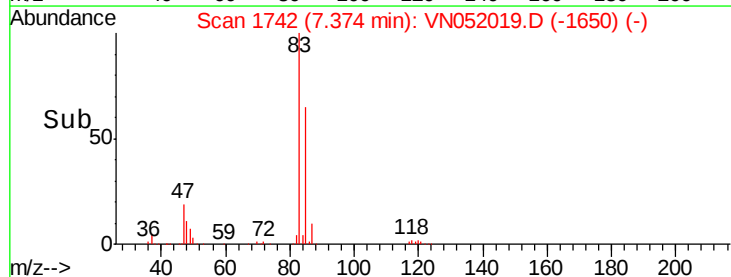
85 65.0 52.8 79.2

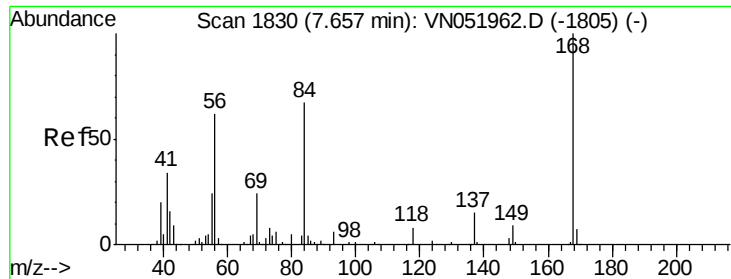


Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-1719) (-)

Time-->

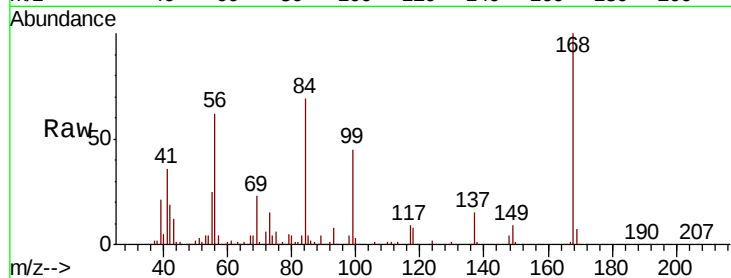




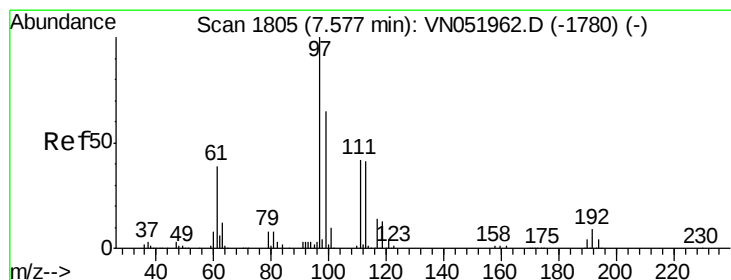
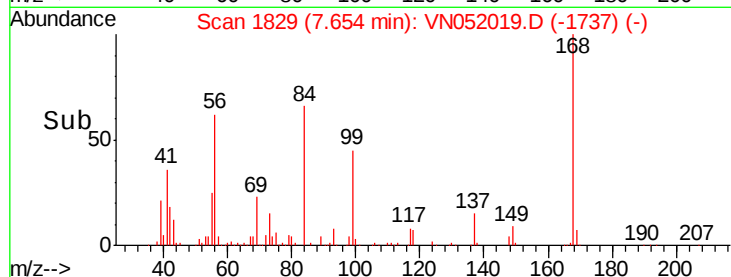
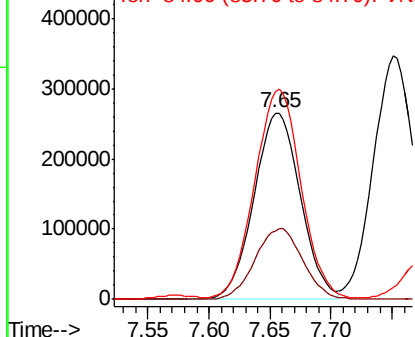
#31  
Cyclohexane  
Concen: 46.808 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. -0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 56 Resp: 701708  
Ion Ratio Lower Upper  
56 100  
69 36.9 31.2 46.8  
84 109.9 86.3 129.5

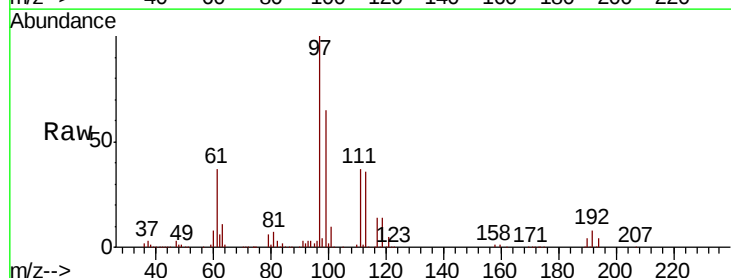


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

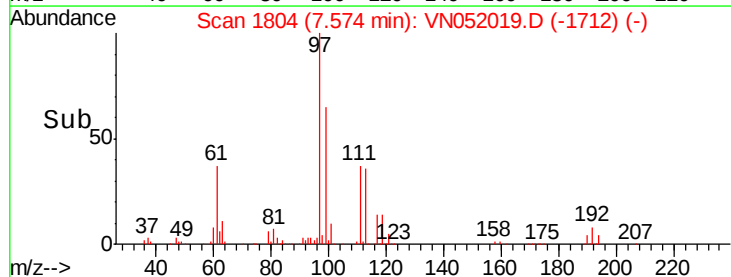
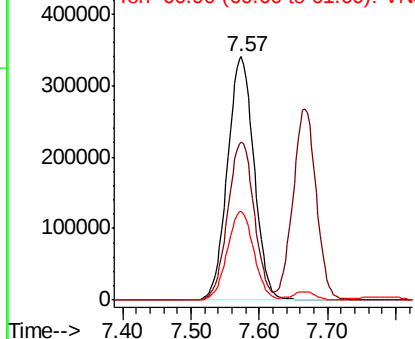


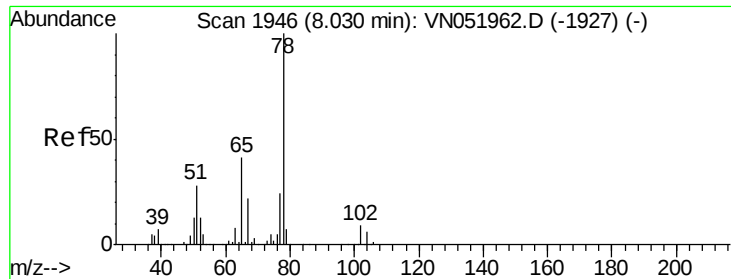
#32  
1,1,1-Trichloroethane  
Concen: 44.331 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. -0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Tgt Ion: 97 Resp: 920478  
Ion Ratio Lower Upper  
97 100  
99 64.8 51.5 77.3  
61 36.4 30.1 45.1



Abundance Ion 96.90 (96.60 to 97.60): VN0  
Ion 98.90 (98.60 to 99.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0

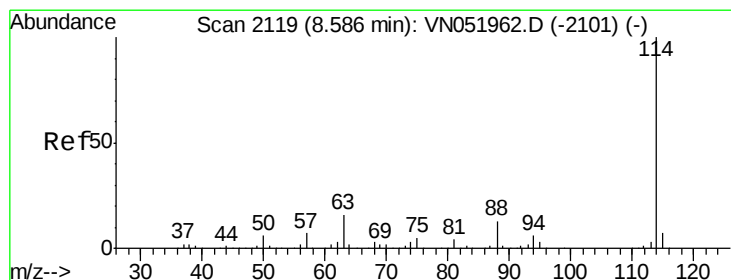
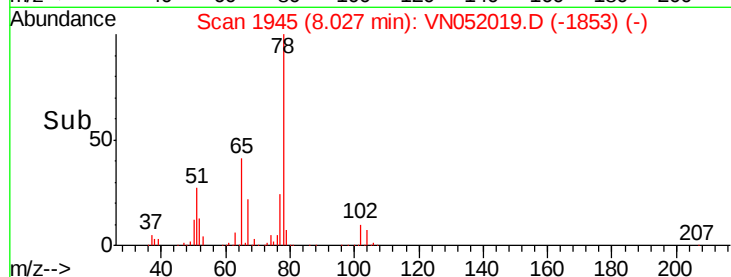
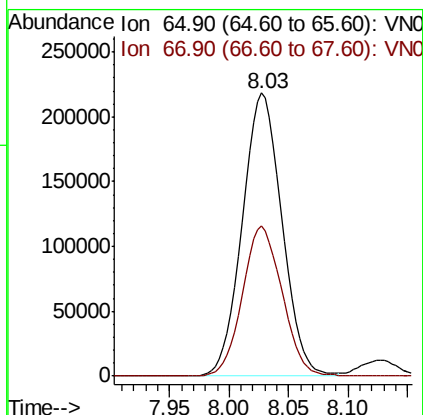
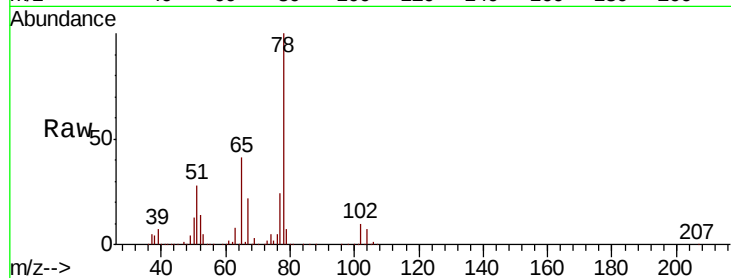




#33  
 1,2-Dichloroethane-d4  
 Concen: 44.331 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

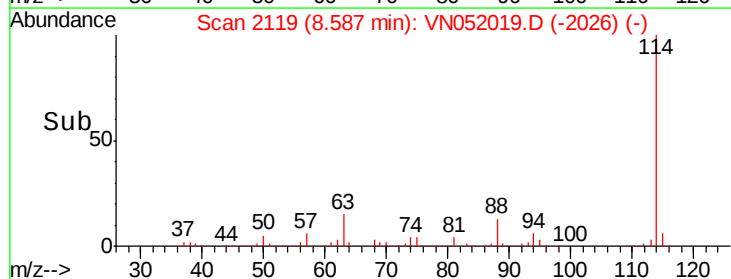
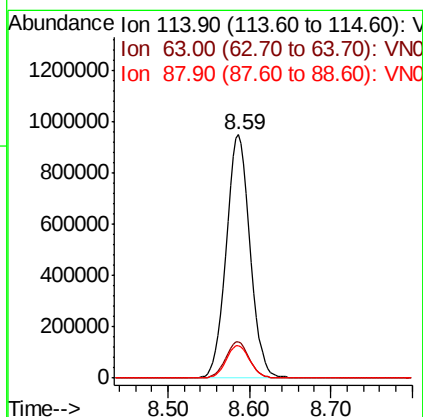
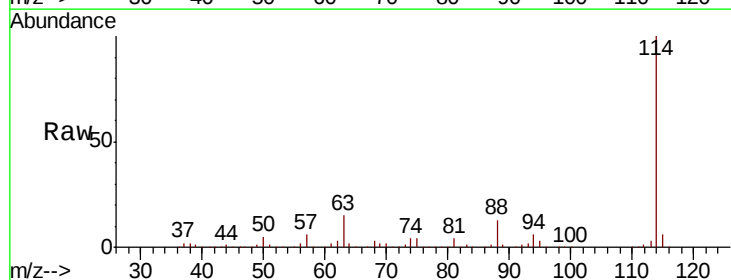
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

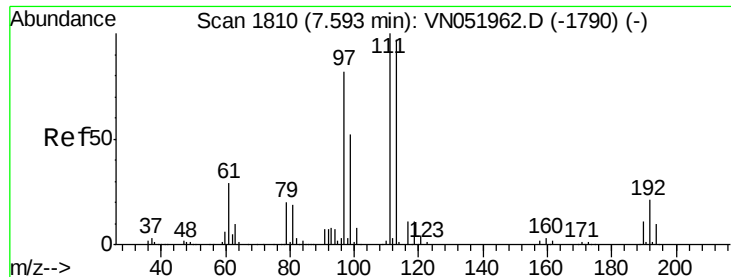
Tot Ion: 65 Resp: 504840  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 105.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

Tgt Ion: 114 Resp: 1955245  
 Ion Ratio Lower Upper  
 114 100  
 63 14.8 0.0 31.2  
 88 13.1 0.0 27.0

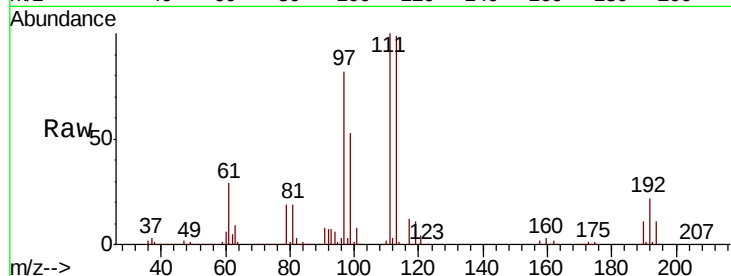




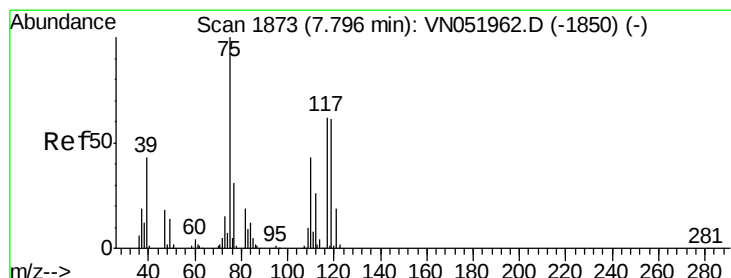
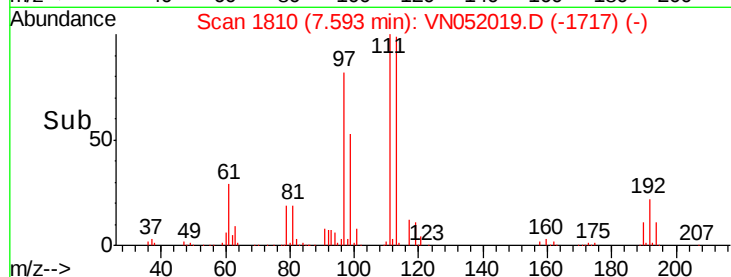
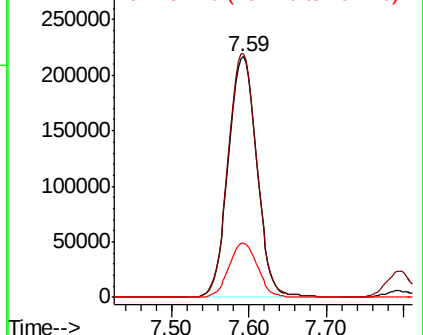
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.8 | 80.7  | 121.1 |
| 192     | 22.6  | 17.2  | 25.8  |

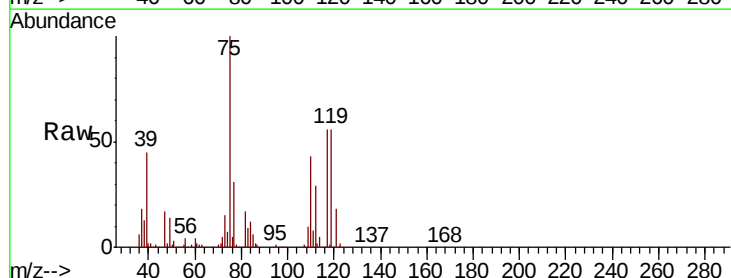


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

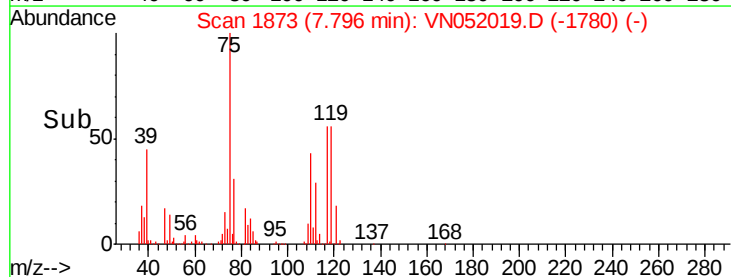
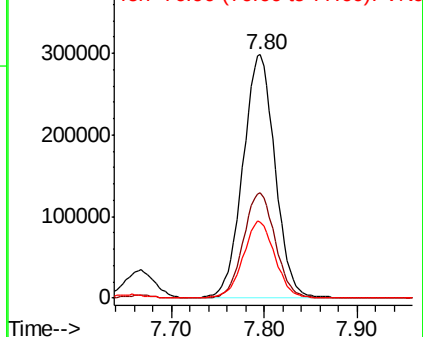


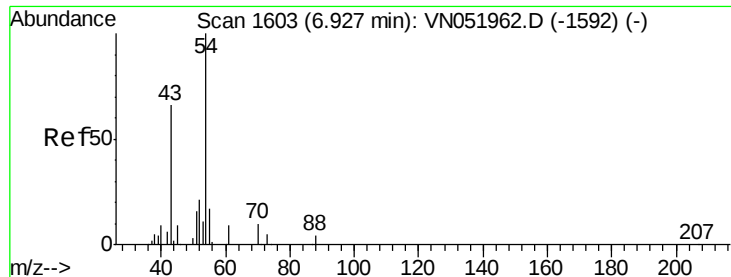
#36  
 1,1-Dichloropropene  
 Concen: 47.506 ug/l  
 RT: 7.80 min Scan# 1873  
 Delta R.T. 0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 43.1  | 20.9  | 62.8  |
| 77      | 31.6  | 24.9  | 37.3  |



Abundance Ion 74.90 (74.60 to 75.60): V  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): V

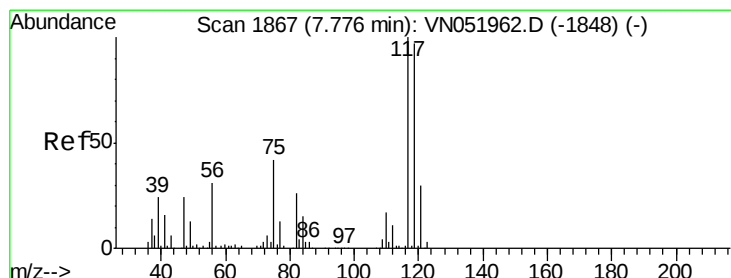
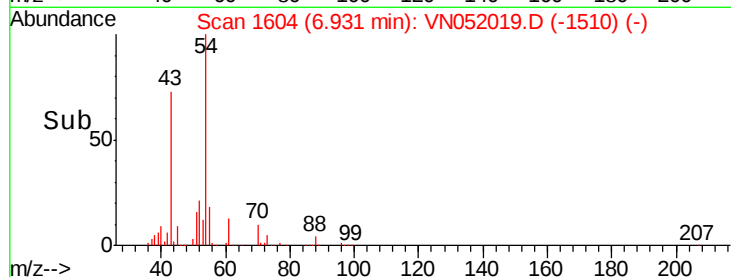
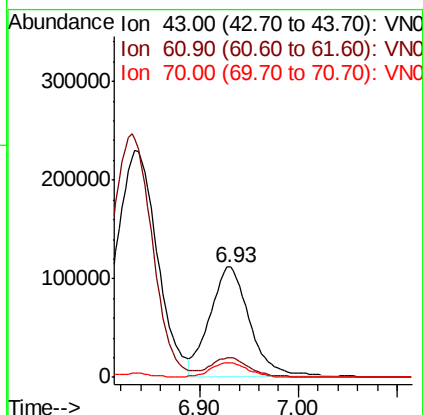
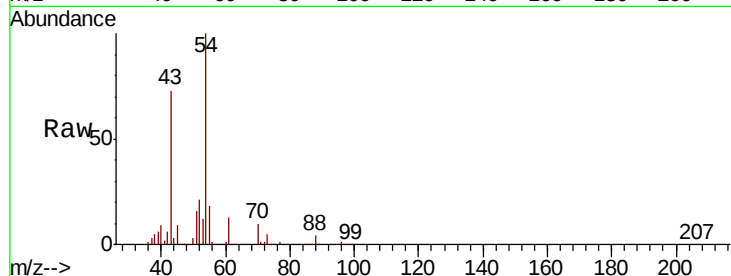




#37  
Ethyl Acetate  
Concen: 46.718 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

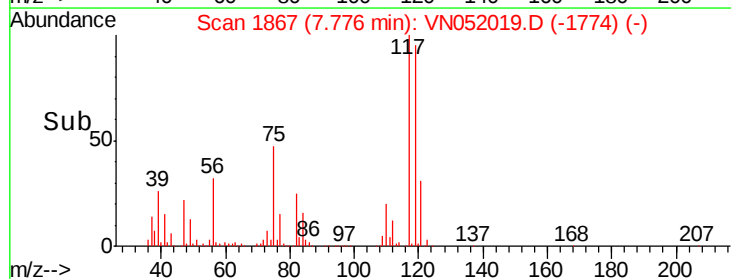
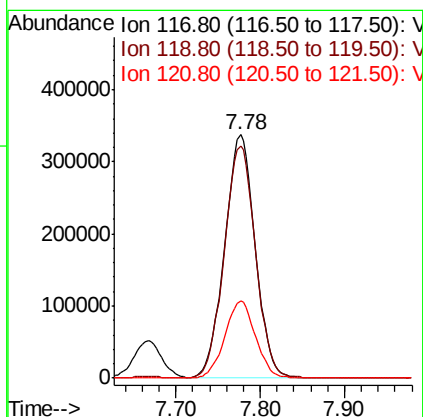
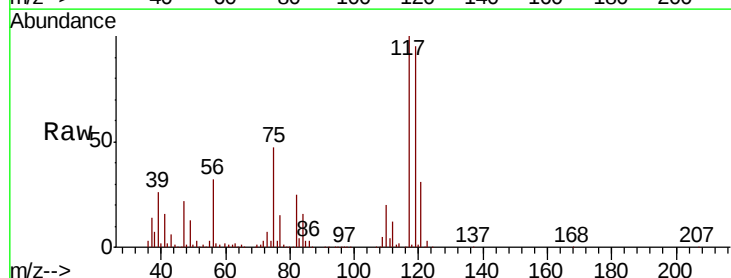
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

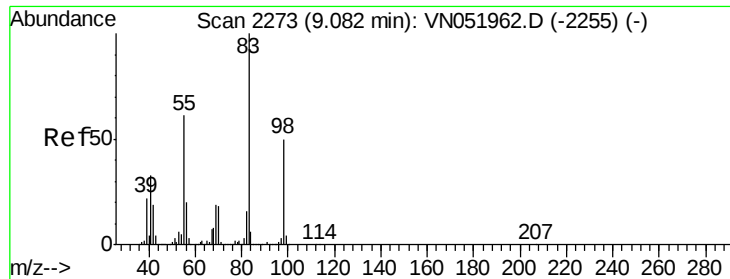
Tot Ion: 43 Resp: 313914  
Ion Ratio Lower Upper  
43 100  
61 16.8 13.5 20.3  
70 12.4 9.8 14.6



#38  
Carbon Tetrachloride  
Concen: 49.277 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Tgt Ion: 117 Resp: 848471  
Ion Ratio Lower Upper  
117 100  
119 95.4 77.4 116.0  
121 31.5 24.2 36.4

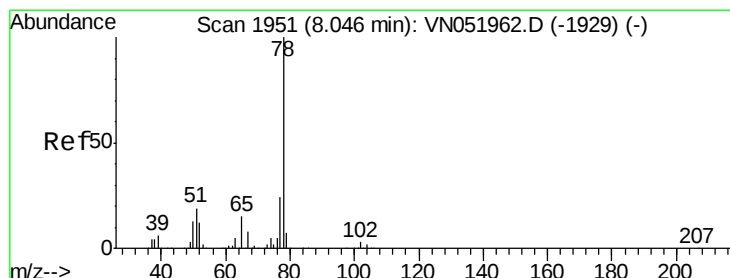
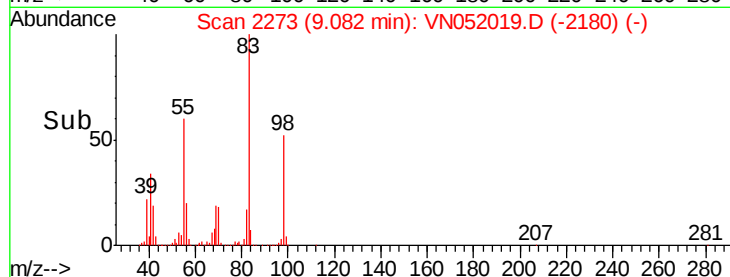
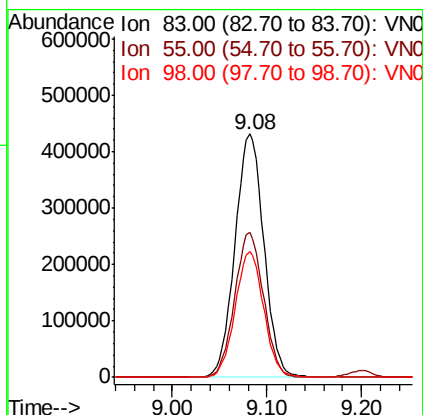
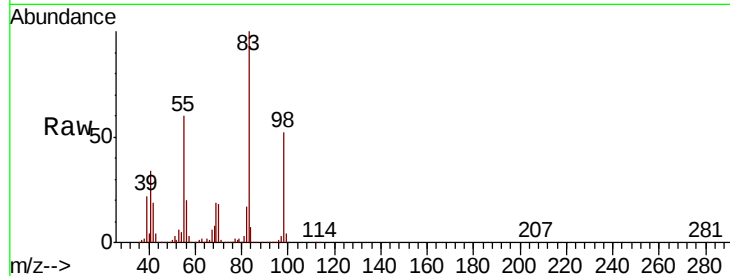




#39  
Methvlcvclohexane  
Concen: 50.015 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

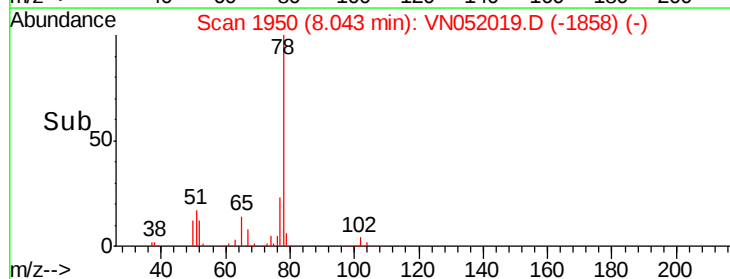
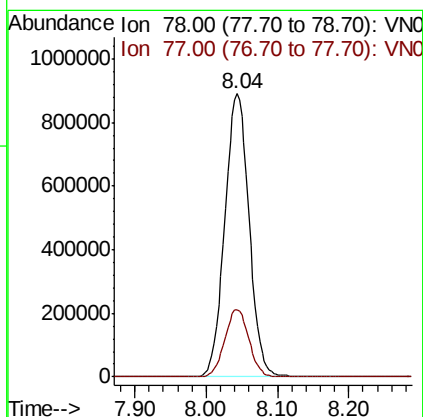
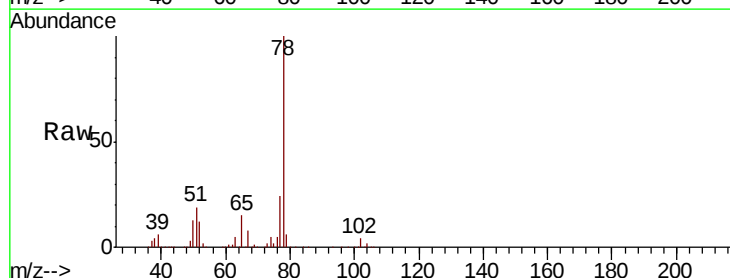
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

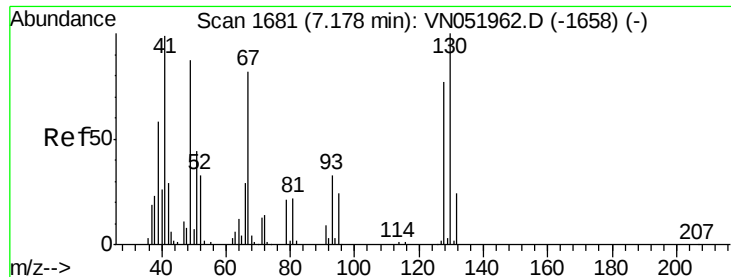
Tot Ion: 83 Resp: 916211  
Ion Ratio Lower Upper  
83 100  
55 59.6 48.9 73.3  
98 51.8 40.2 60.2



#40  
Benzene  
Concen: 47.443 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. -0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Tgt Ion: 78 Resp: 2112758  
Ion Ratio Lower Upper  
78 100  
77 23.7 19.4 29.0





#41

Methacrylonitrile

Concen: 45.345 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 152826

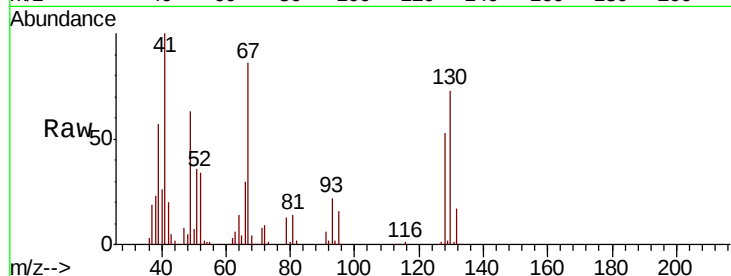
Ion Ratio Lower Upper

41 100

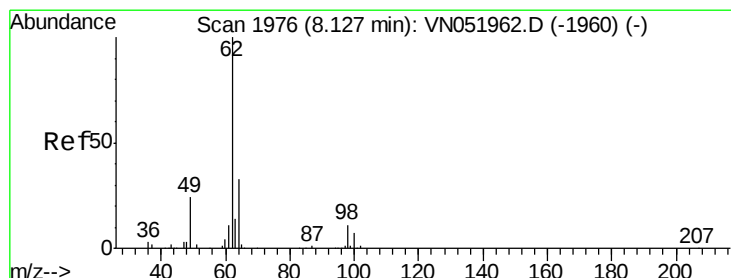
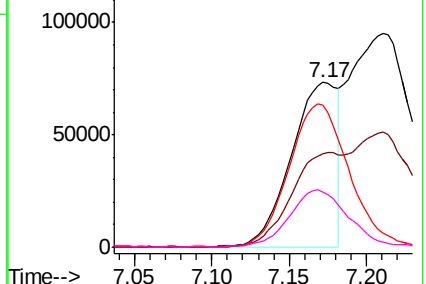
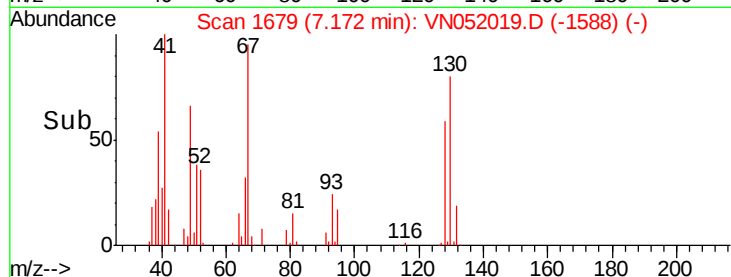
39 62.2 53.1 79.7

67 113.0 93.8 140.6

52 45.5 35.2 52.8



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



#42

1,2-Dichloroethane

Concen: 45.154 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN052019.D

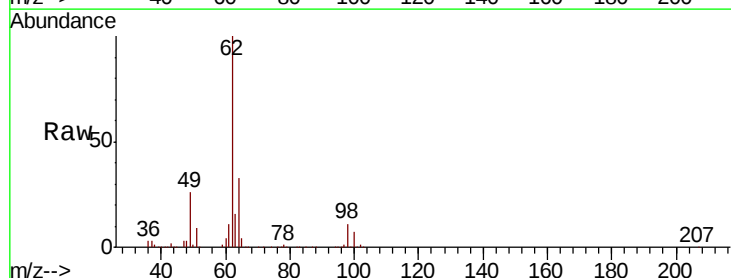
Acq: 26 Oct 2018 10:54

Tgt Ion: 62 Resp: 644721

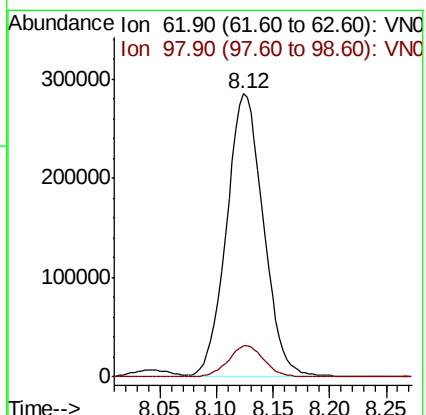
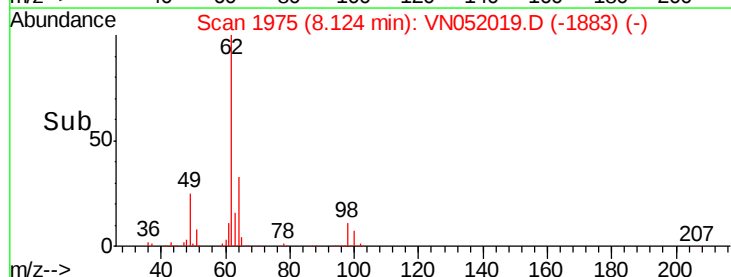
Ion Ratio Lower Upper

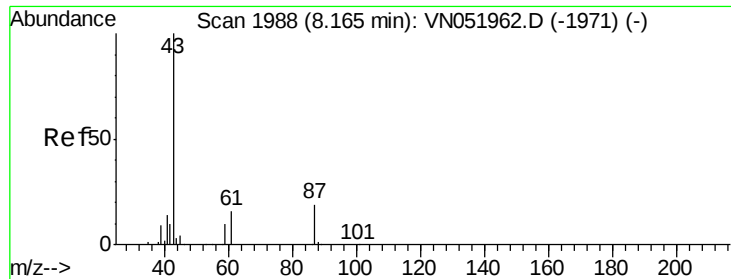
62 100

98 10.8 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 46.549 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

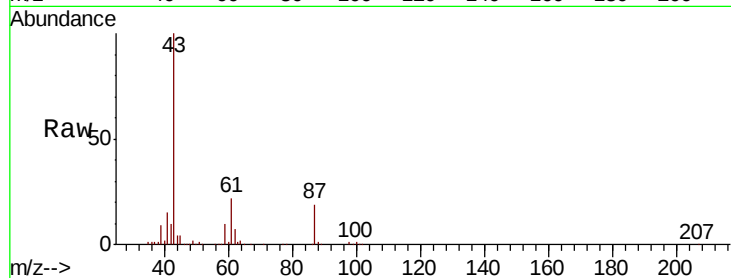
Tot Ion: 43 Resp: 584692

Ion Ratio Lower Upper

43 100

61 22.5 17.2 25.8

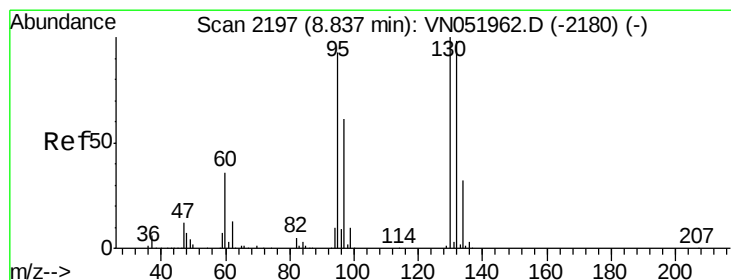
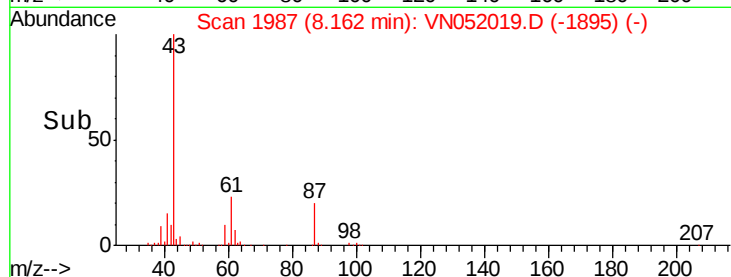
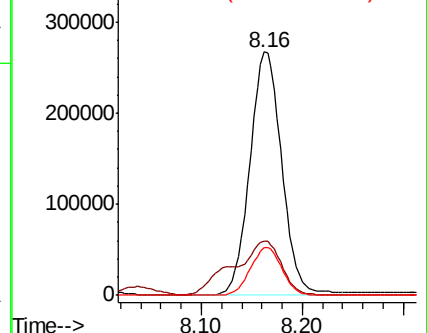
87 19.5 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)



#44

Trichloroethene

Concen: 50.039 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052019.D

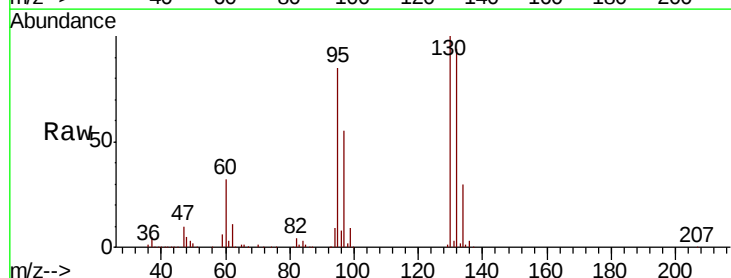
Acq: 26 Oct 2018 10:54

Tgt Ion: 130 Resp: 715255

Ion Ratio Lower Upper

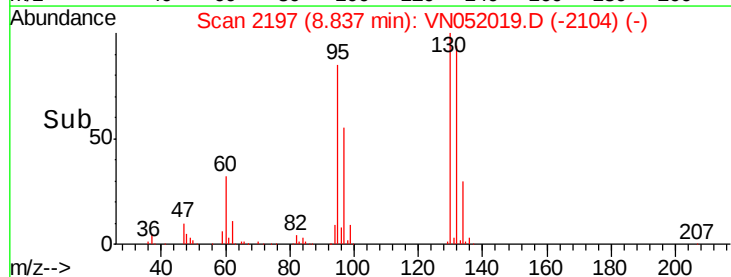
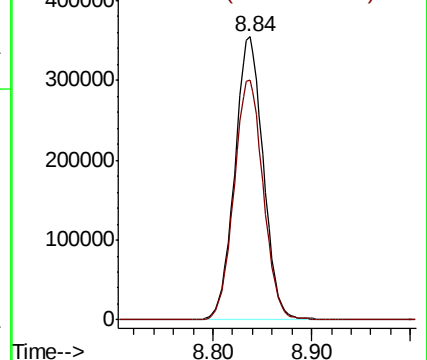
130 100

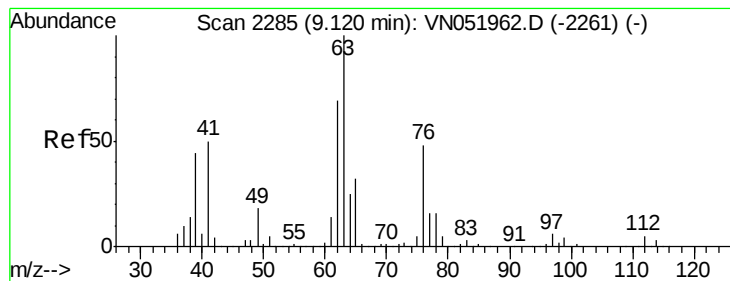
95 84.8 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN051962.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051962.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 47.894 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

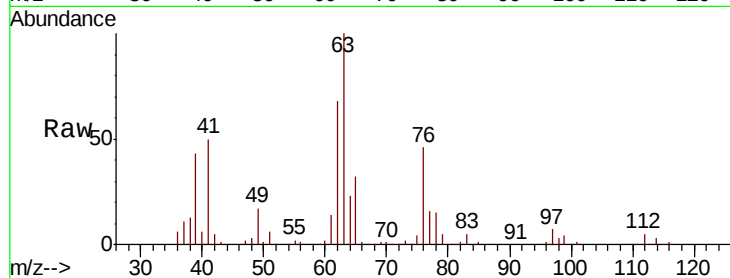
VSTDCCC050

Tot Ion: 63 Resp: 482471

Ion Ratio Lower Upper

63 100

65 31.5 25.8 38.6



Abundance Ion 62.90 (62.60 to 63.60): VN051962.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN051962.D (-2261) (-)

9.12

250000

200000

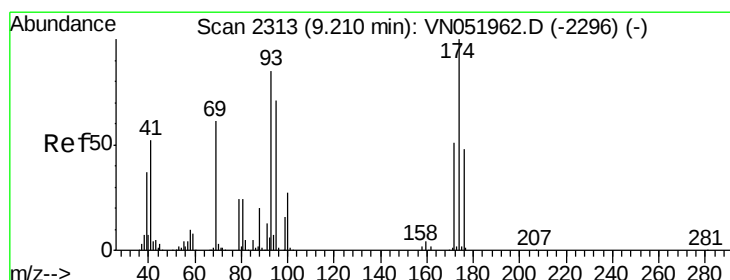
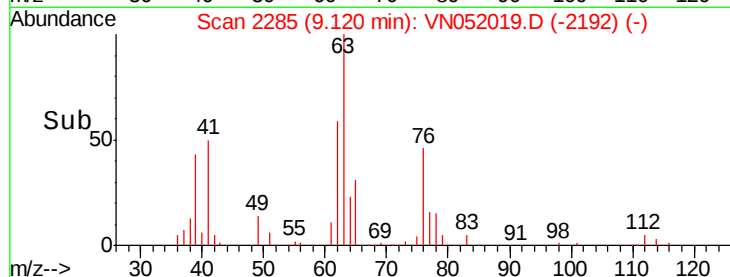
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 46.125 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

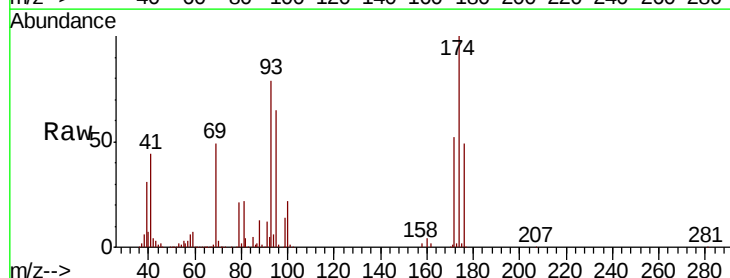
Tgt Ion: 93 Resp: 374564

Ion Ratio Lower Upper

93 100

95 83.1 66.7 100.1

174 127.8 93.8 140.6



Abundance Ion 92.80 (92.50 to 93.50): VN051962.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN051962.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN051962.D (-2296) (-)

9.21

300000

250000

200000

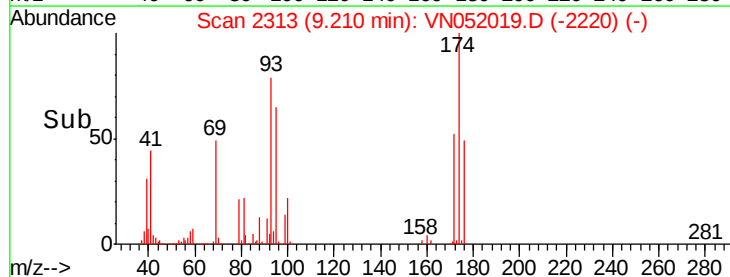
150000

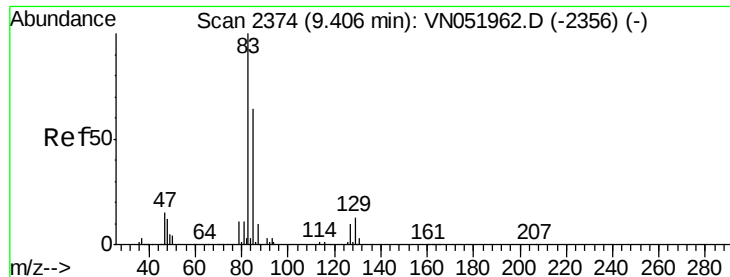
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 47.560 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

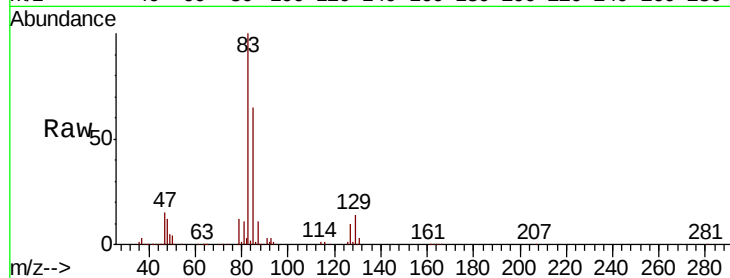
Tot Ion: 83 Resp: 729399

Ion Ratio Lower Upper

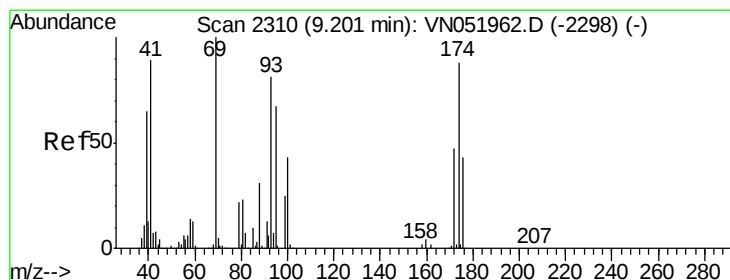
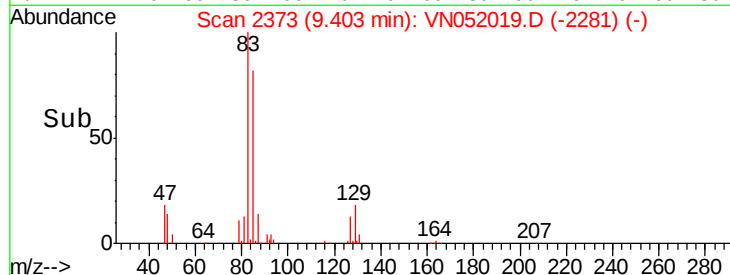
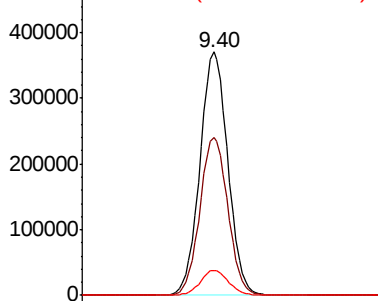
83 100

85 65.0 51.0 76.4

127 10.4 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VNO  
Ion 84.90 (84.60 to 85.60): VNO  
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 46.580 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

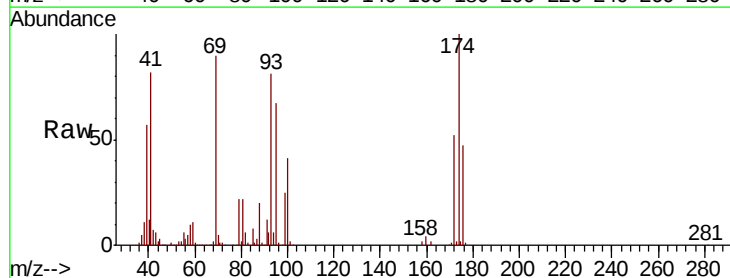
Tgt Ion: 41 Resp: 282802

Ion Ratio Lower Upper

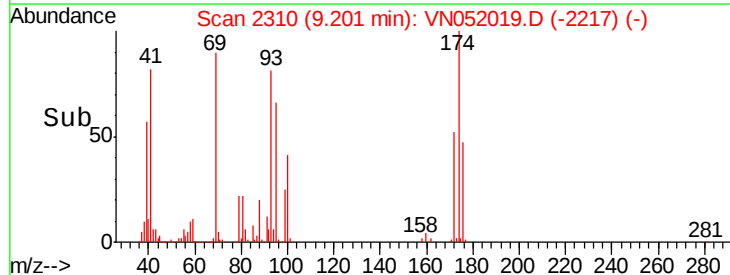
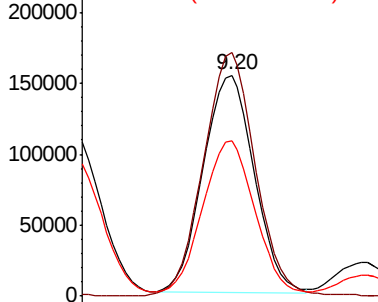
41 100

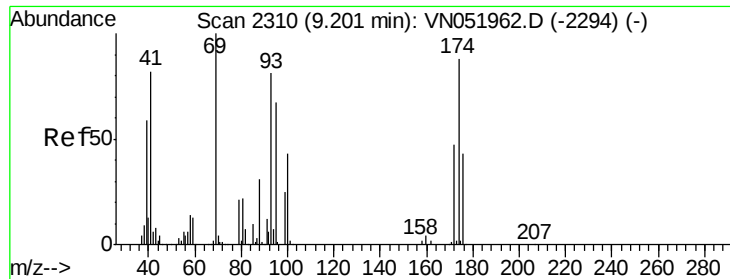
69 112.9 92.2 138.4

39 73.6 60.2 90.4



Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 739.326 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

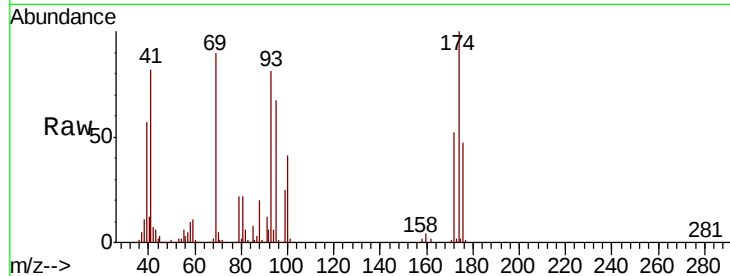
Tot Ion: 88 Resp: 82306

Ion Ratio Lower Upper

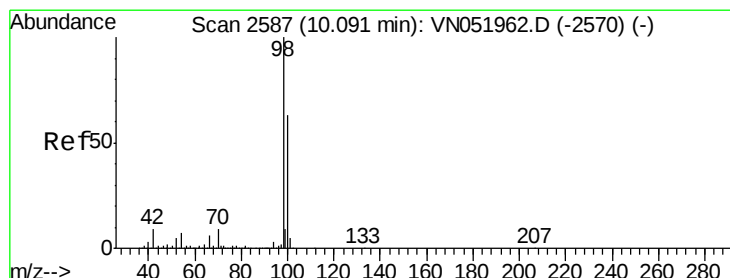
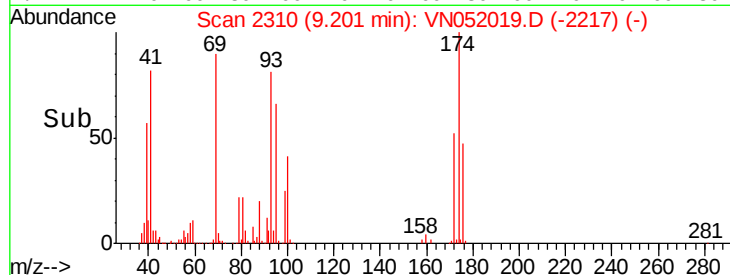
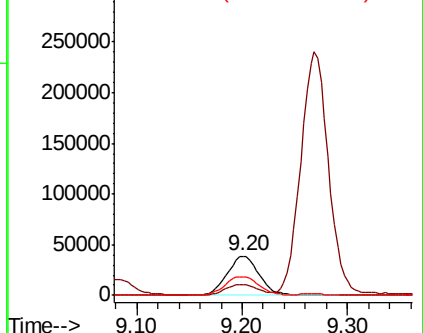
88 100

43 25.8 18.8 28.2

58 49.9 39.8 59.6



Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 739.326 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052019.D

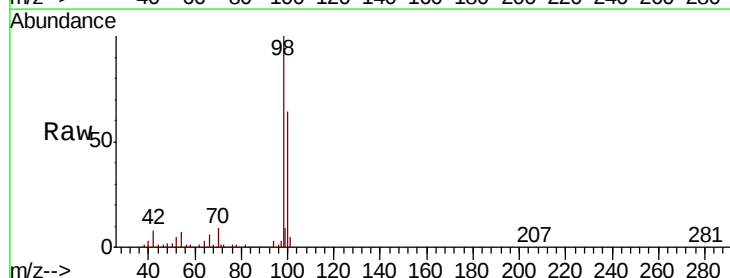
Acq: 26 Oct 2018 10:54

Tgt Ion: 98 Resp: 2006881

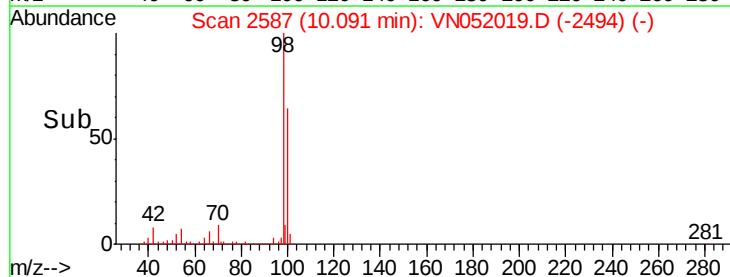
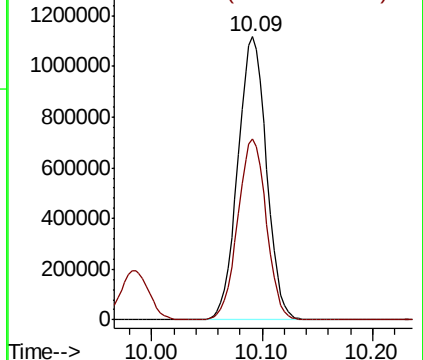
Ion Ratio Lower Upper

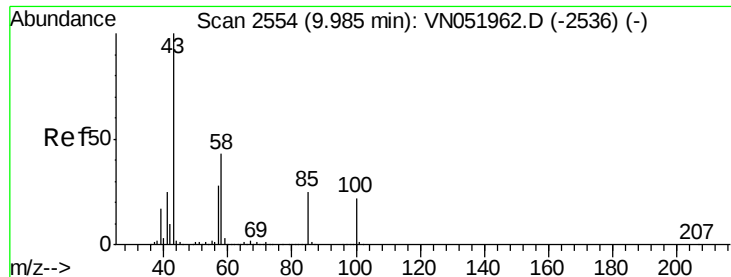
98 100

100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 226.957 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

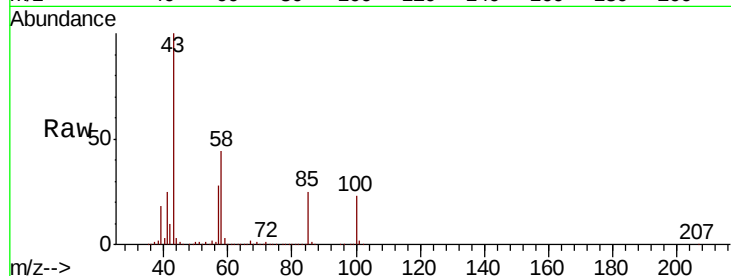
VSTDCCC050

Tot Ion: 43 Resp: 1568104

Ion Ratio Lower Upper

43 100

58 44.0 34.8 52.2



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-2536) (-)

9.99

800000

600000

400000

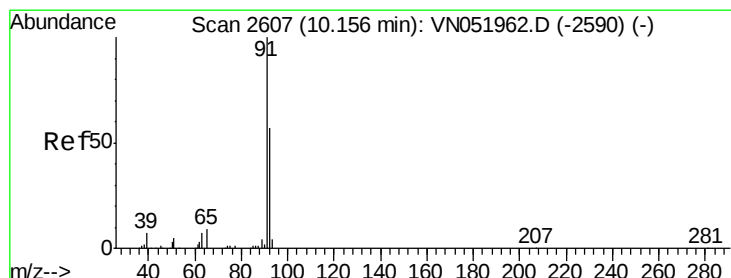
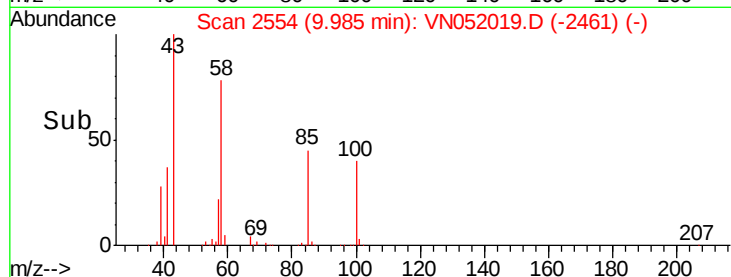
200000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 48.491 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052019.D

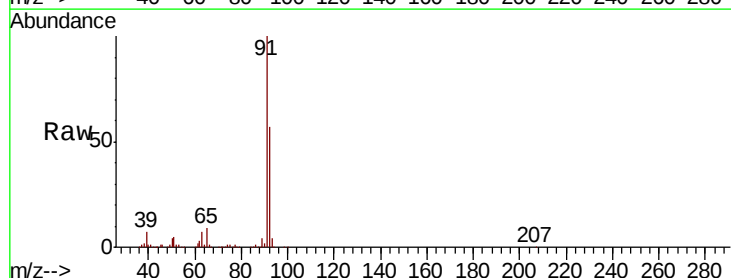
Acq: 26 Oct 2018 10:54

Tgt Ion: 92 Resp: 1464334

Ion Ratio Lower Upper

92 100

91 177.3 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN051962.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051962.D (-2590) (-)

10.16

1500000

1000000

500000

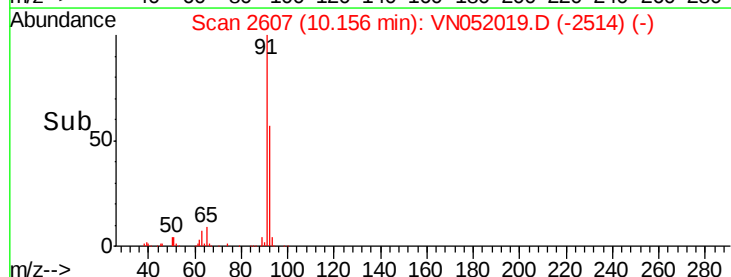
0

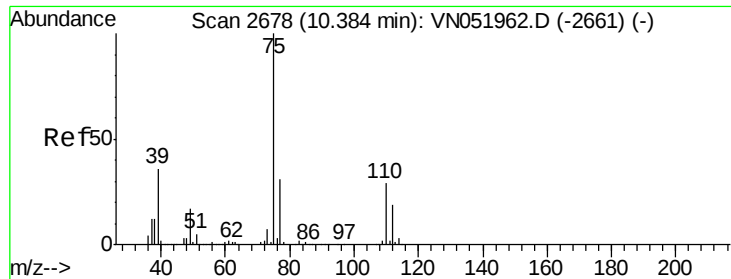
10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 45.580 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

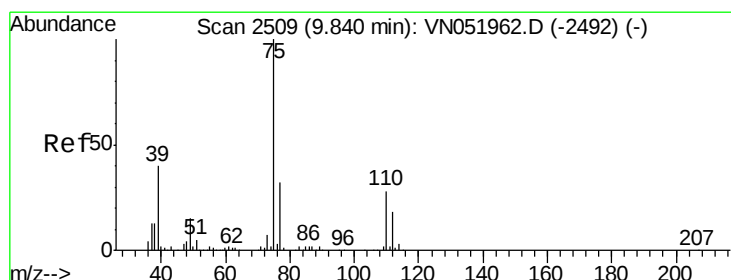
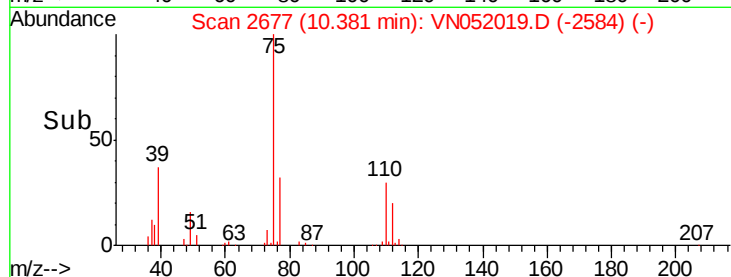
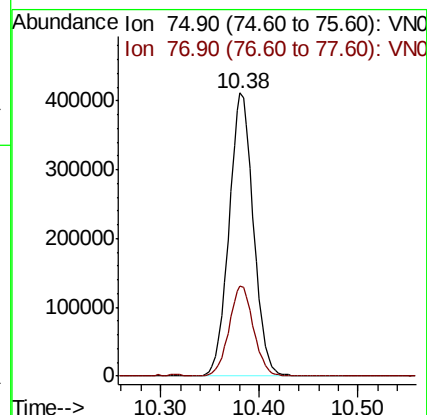
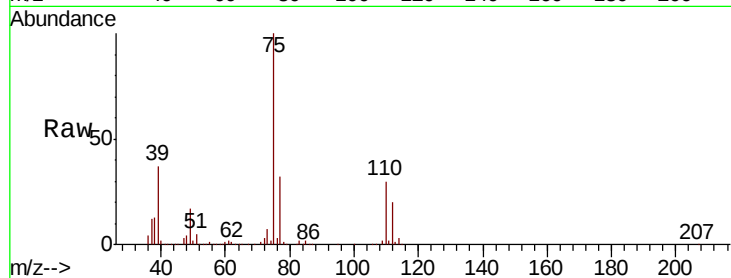
VSTDCCC050

Tot Ion: 75 Resp: 712118

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 49.922 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

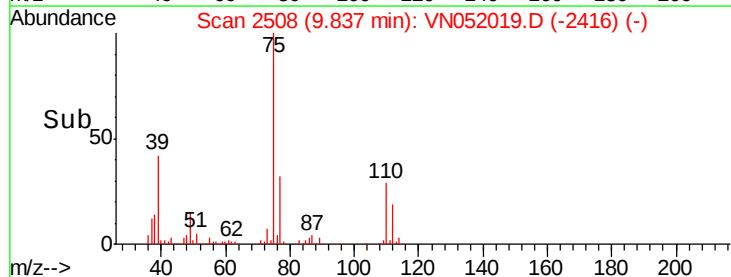
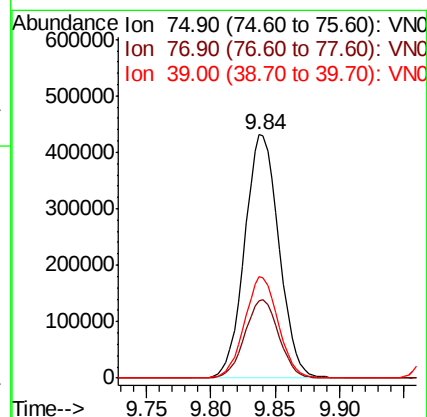
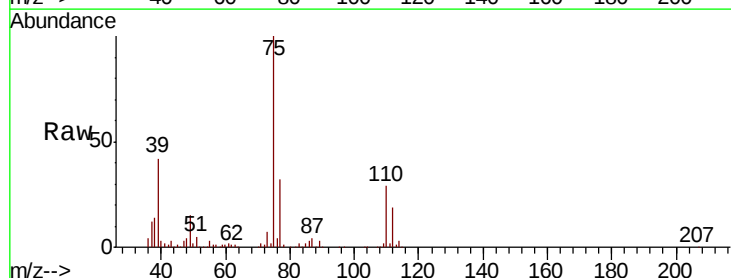
Tgt Ion: 75 Resp: 800243

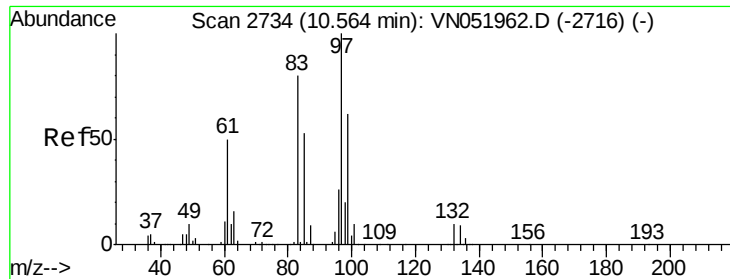
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 41.5 32.0 48.0





#55

1,1,2-Trichloroethane

Concen: 46.417 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

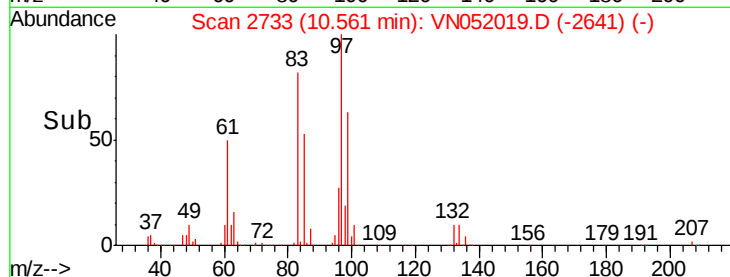
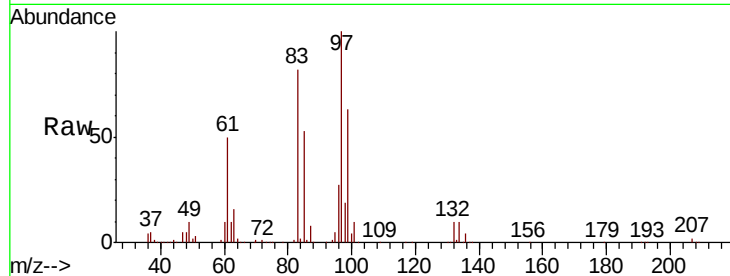
MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 517896

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 81.6  | 64.0  | 96.0  |
| 85  | 52.8  | 42.4  | 63.6  |
| 99  | 62.8  | 49.4  | 74.2  |

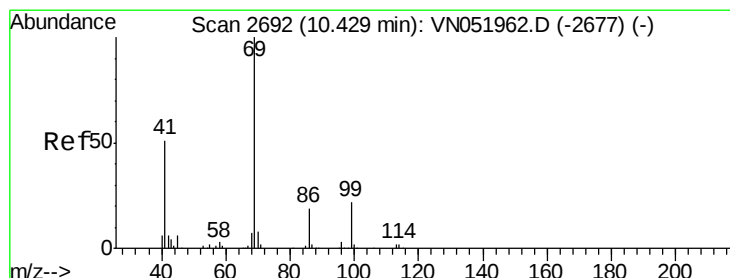
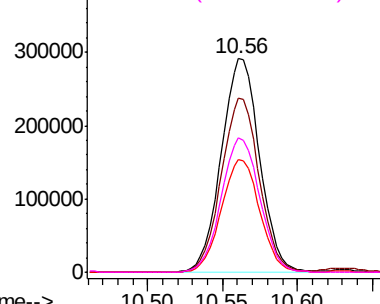


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 48.133 ug/l

RT: 10.43 min Scan# 2692

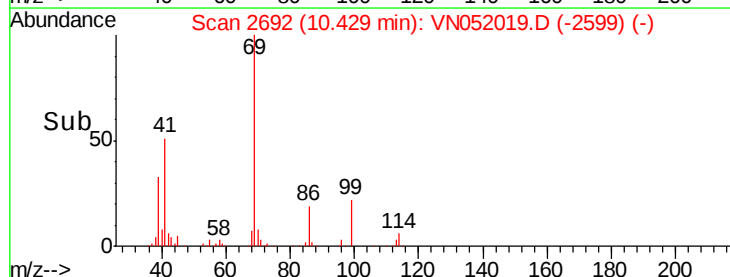
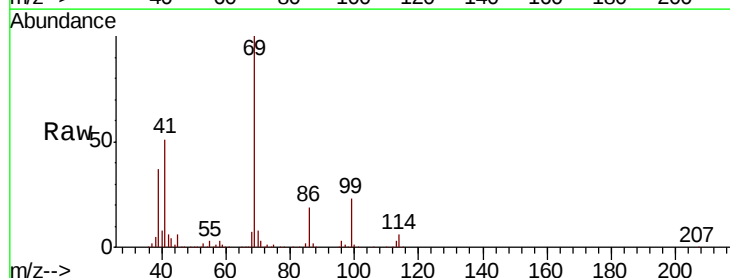
Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Tgt Ion: 69 Resp: 577288

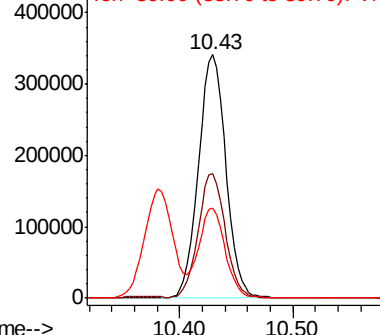
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 50.1  | 40.7  | 61.1  |
| 39  | 35.2  | 29.3  | 43.9  |

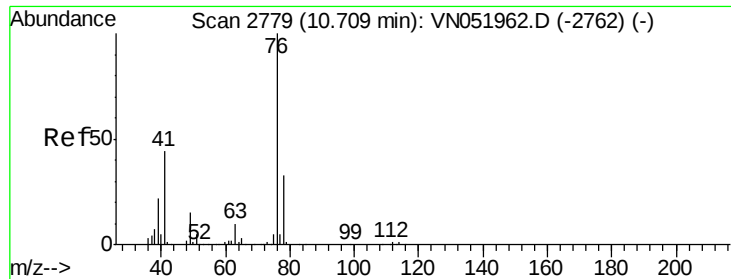


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

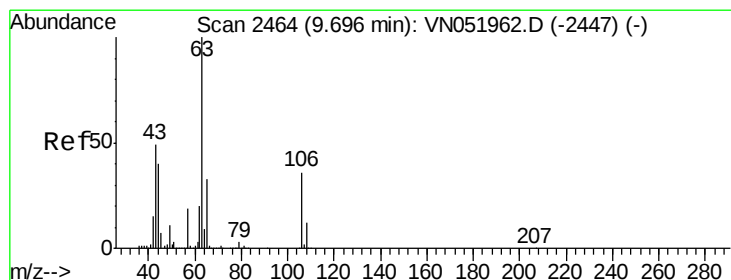
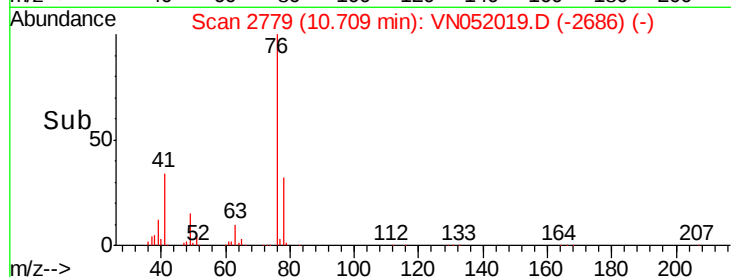
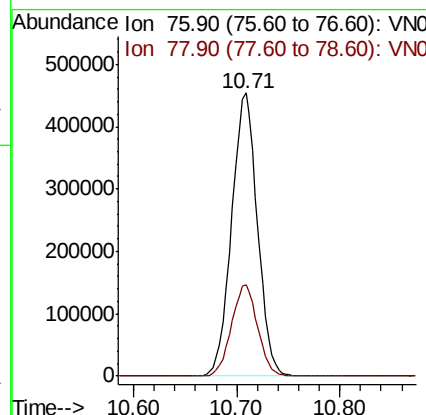
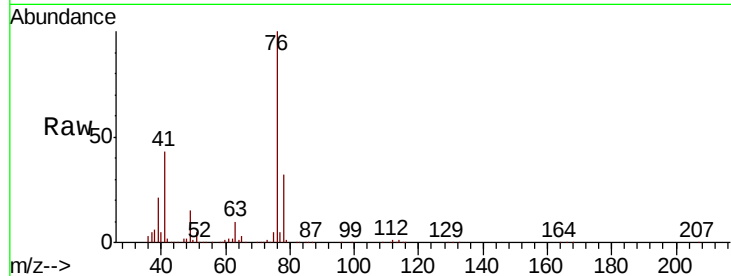




#57  
 1,3-Dichloropropane  
 Concen: 46.662 ug/l  
 RT: 10.71 min Scan# 2779  
 Delta R.T. 0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

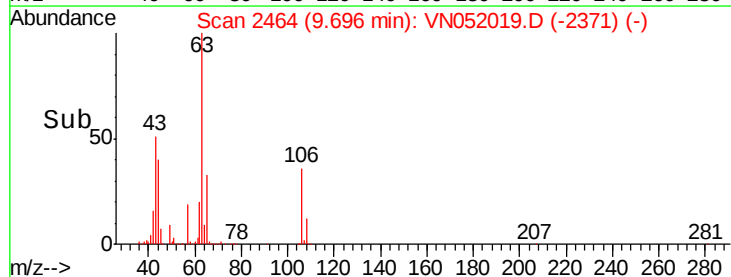
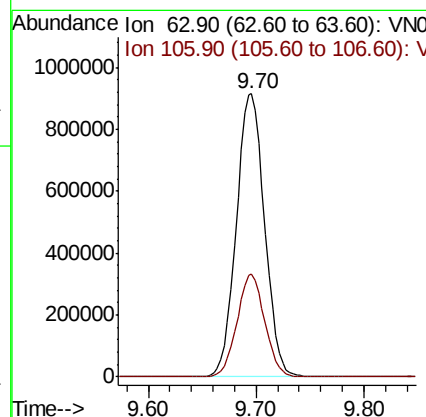
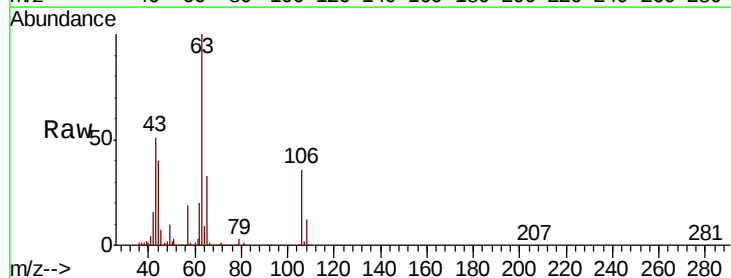
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

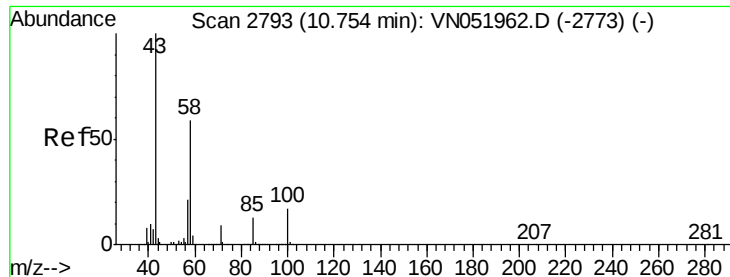
Tot Ion: 76 Resp: 790382  
 Ion Ratio Lower Upper  
 76 100  
 78 32.6 26.4 39.6



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 265.595 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

Tgt Ion: 63 Resp: 1666738  
 Ion Ratio Lower Upper  
 63 100  
 106 35.6 28.3 42.5

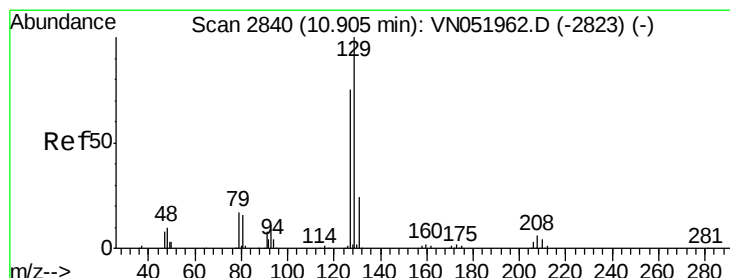
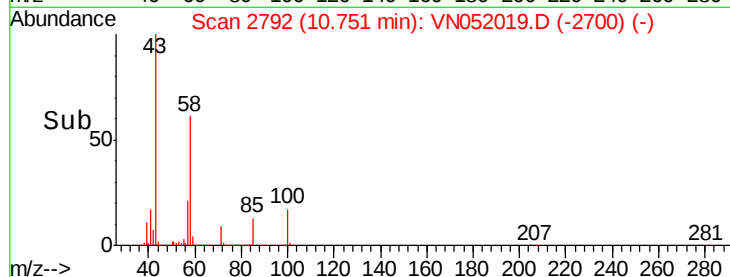
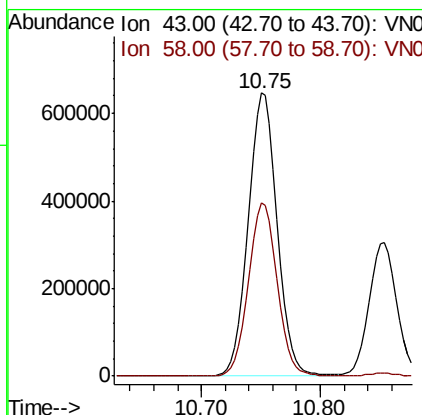
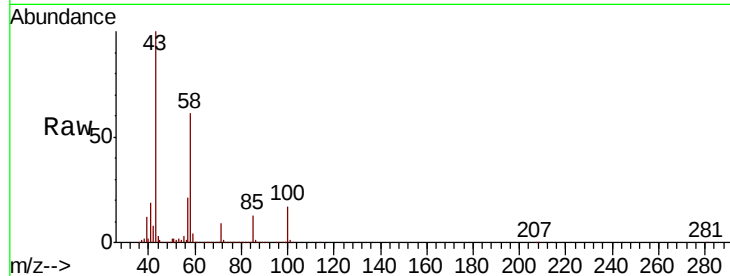




#59  
2-Hexanone  
Concen: 234.522 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

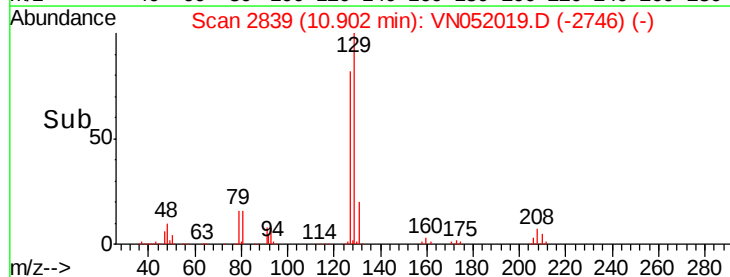
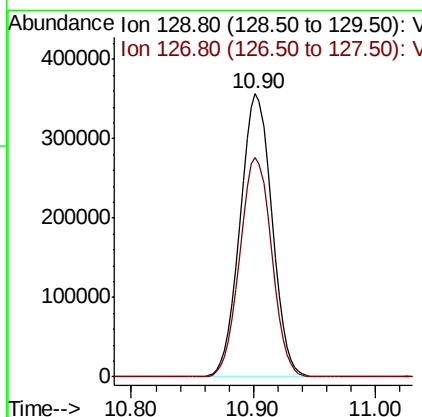
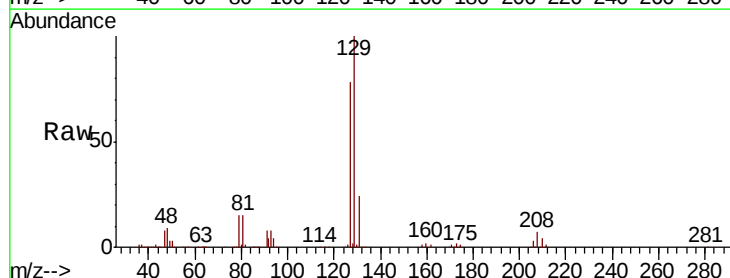
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

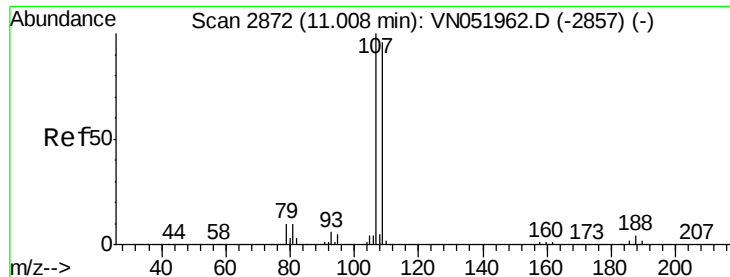
Tot Ion: 43 Resp: 1088719  
Ion Ratio Lower Upper  
43 100  
58 60.9 29.9 89.8



#60  
Dibromochloromethane  
Concen: 45.342 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Tgt Ion: 129 Resp: 642634  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.0 114.0

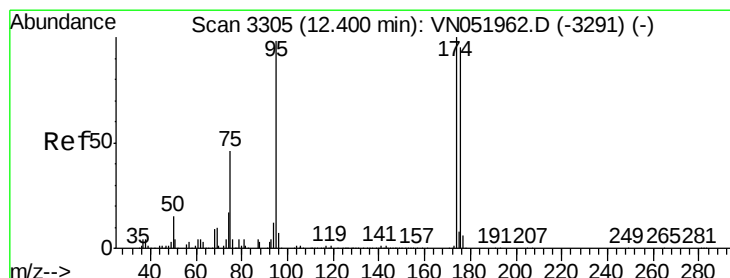
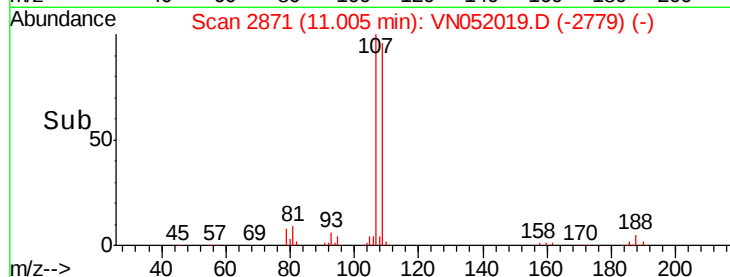
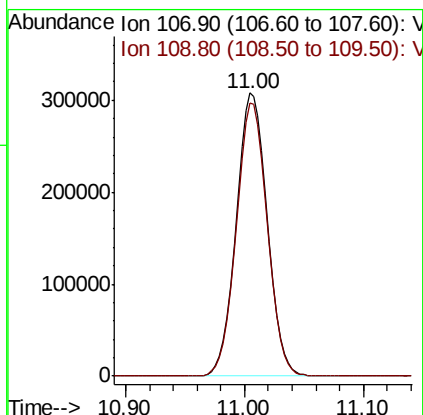
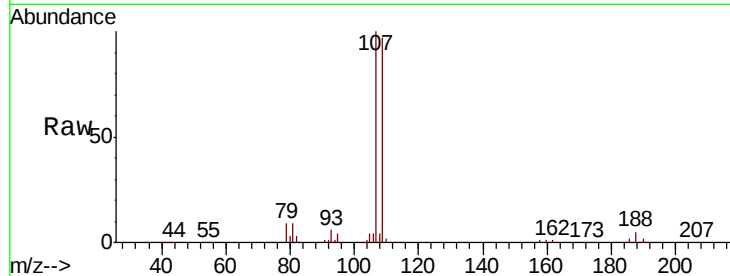




#61  
 1,2-Dibromoethane  
 Concen: 47.168 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. -0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

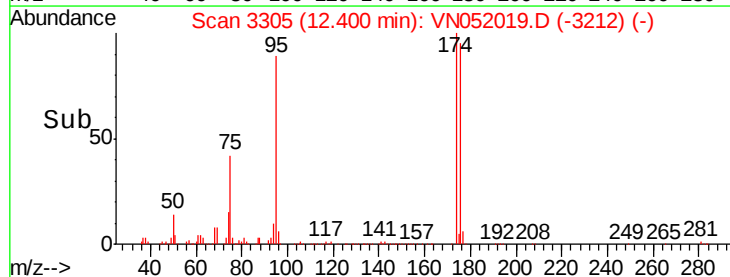
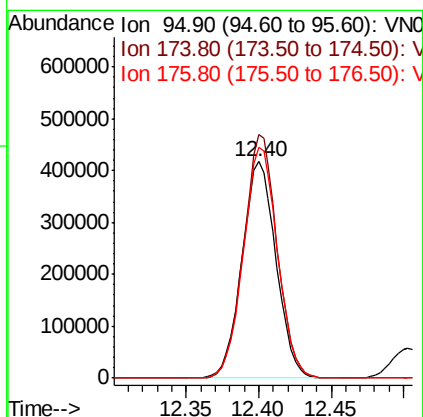
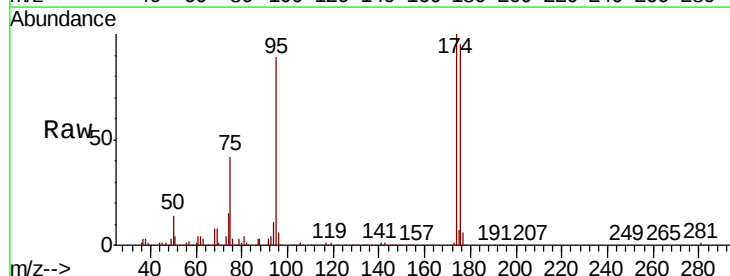
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

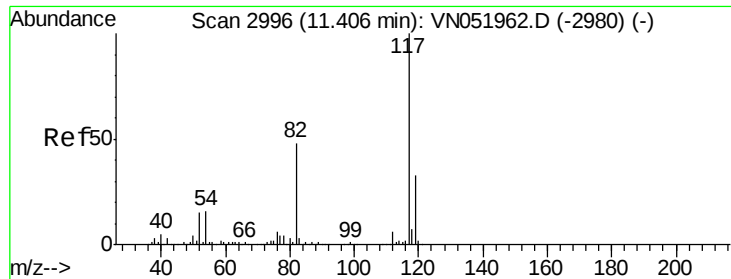
Tot Ion:107 Resp: 554891  
 Ion Ratio Lower Upper  
 107 100  
 109 96.4 75.9 113.9



#62  
 4-Bromofluorobenzene  
 Concen: 47.168 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

Tgt Ion: 95 Resp: 680803  
 Ion Ratio Lower Upper  
 95 100  
 174 110.9 0.0 206.0  
 176 106.9 0.0 198.0

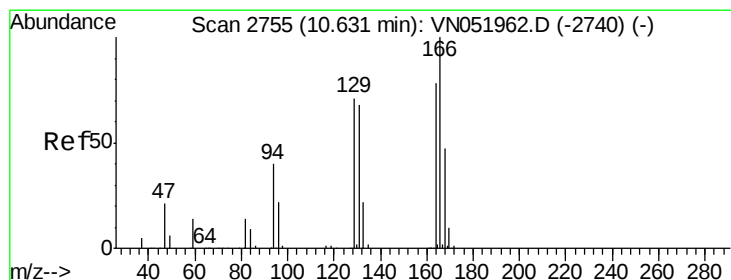
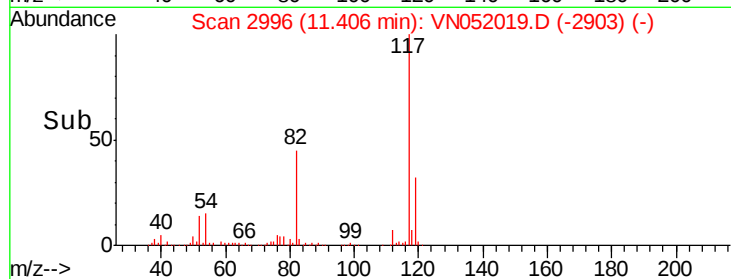
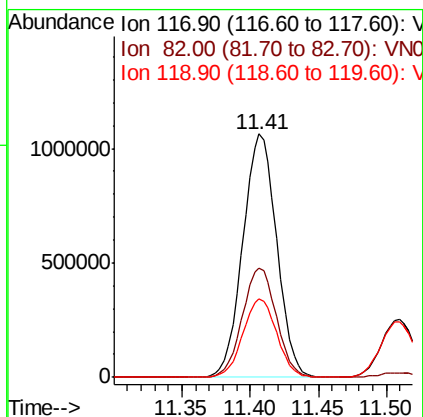
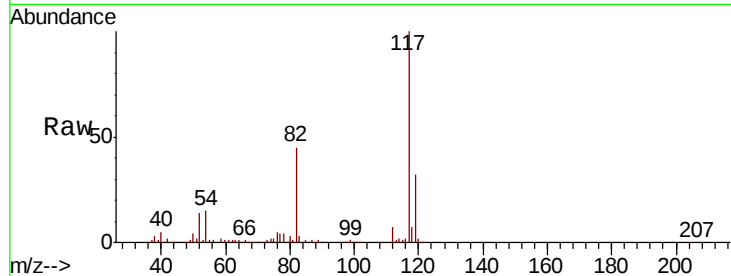




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

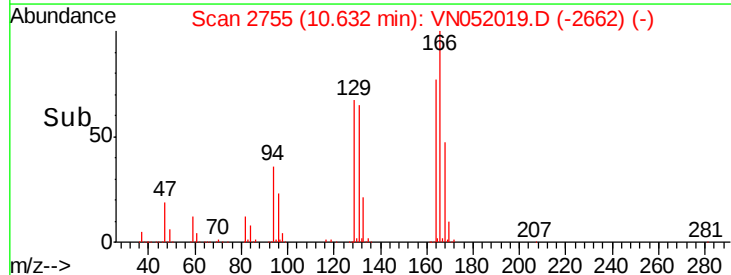
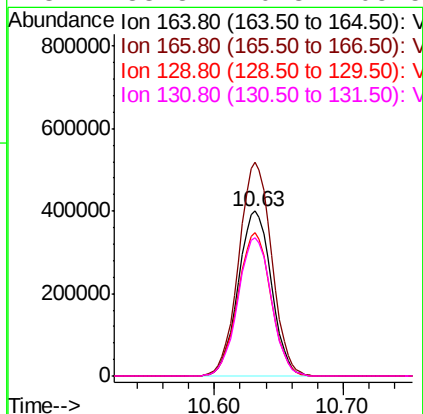
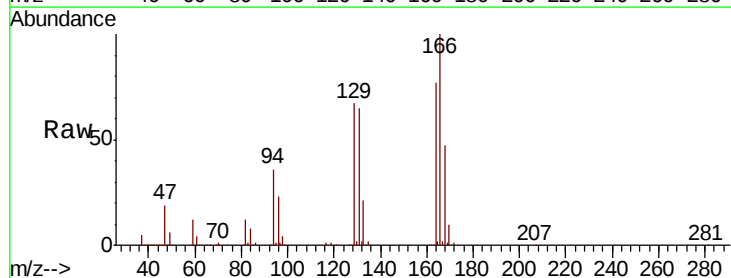
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

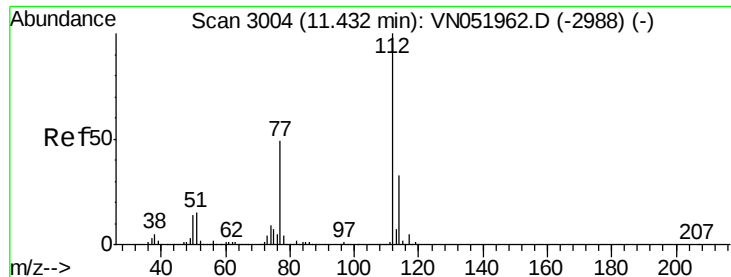
Tot Ion:117 Resp: 1831468  
Ion Ratio Lower Upper  
117 100  
82 45.1 38.1 57.1  
119 32.2 26.4 39.6



#64  
Tetrachloroethene  
Concen: 50.881 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Tgt Ion:164 Resp: 715242  
Ion Ratio Lower Upper  
164 100  
166 129.4 103.1 154.7  
129 86.7 73.6 110.4  
131 83.8 70.3 105.5

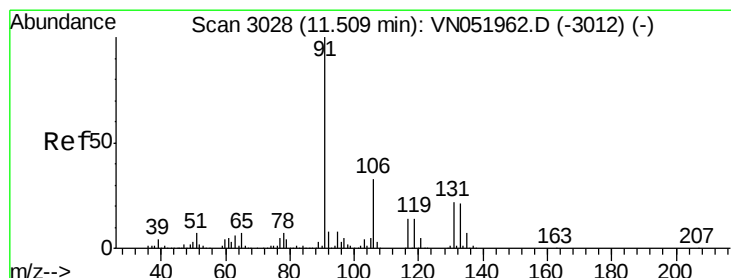
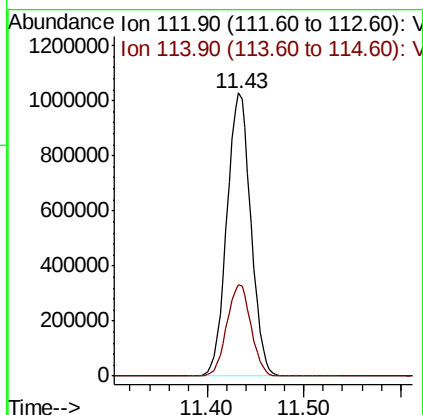
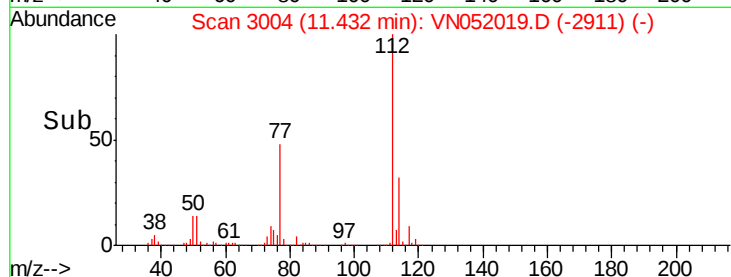
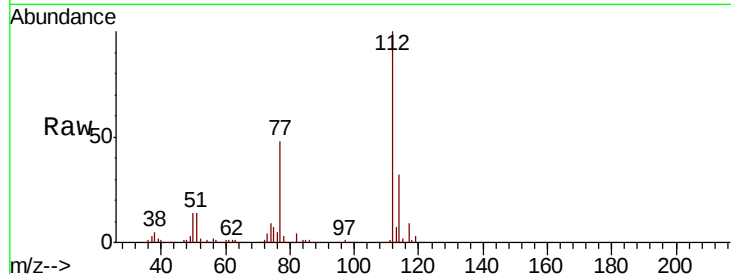




#65  
Chlorobenzene  
Concen: 47.874 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

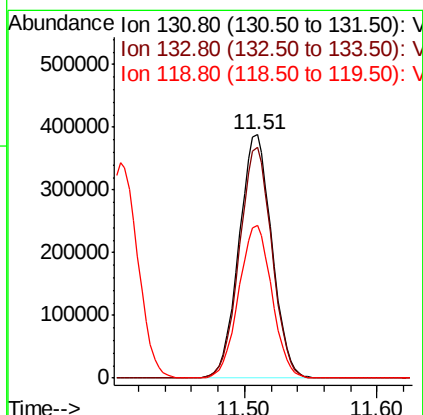
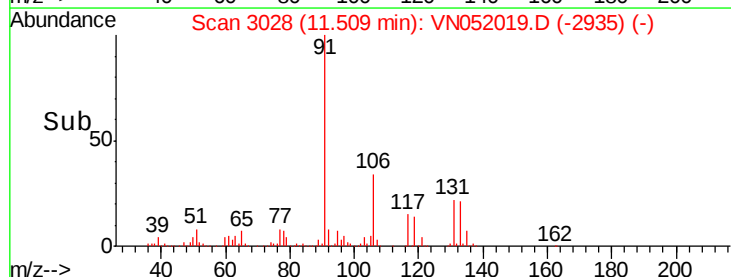
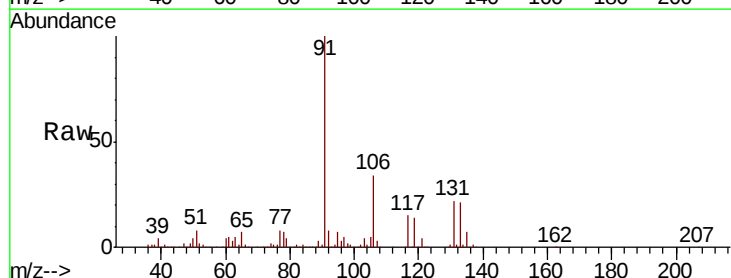
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

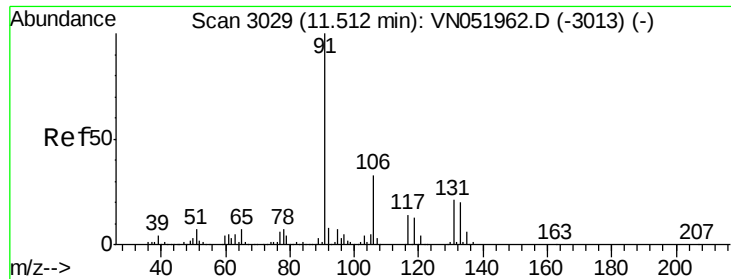
Tot Ion:112 Resp: 1770298  
Ion Ratio Lower Upper  
112 100  
114 32.1 26.1 39.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.128 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Tgt Ion:131 Resp: 666265  
Ion Ratio Lower Upper  
131 100  
133 94.4 47.8 143.3  
119 63.3 32.0 96.2

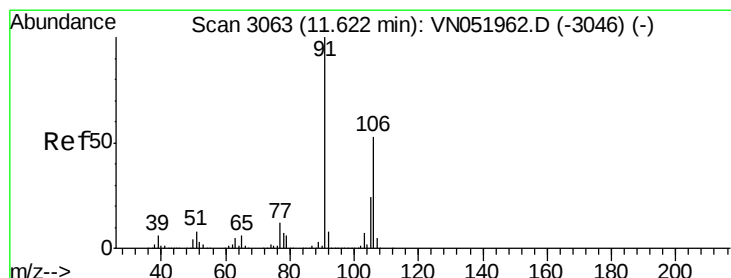
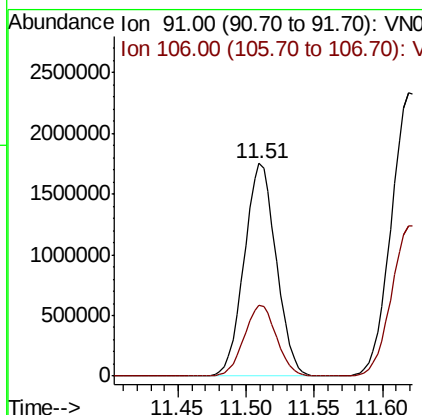
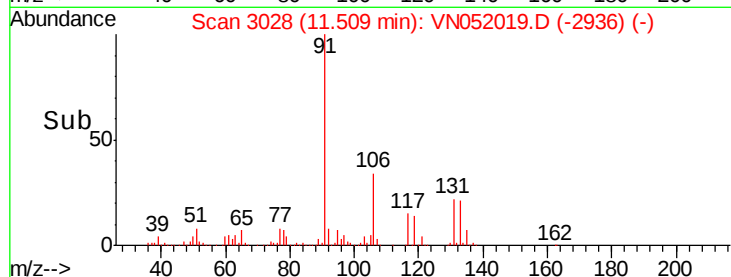
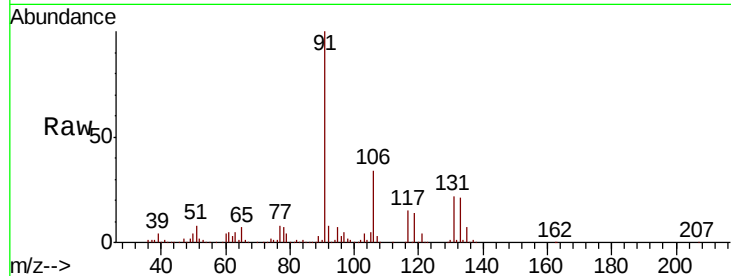




#67  
Ethyl Benzene  
Concen: 47.999 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

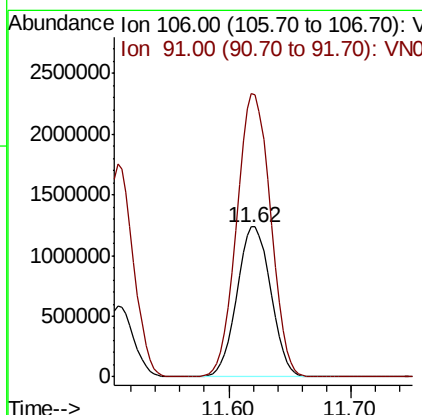
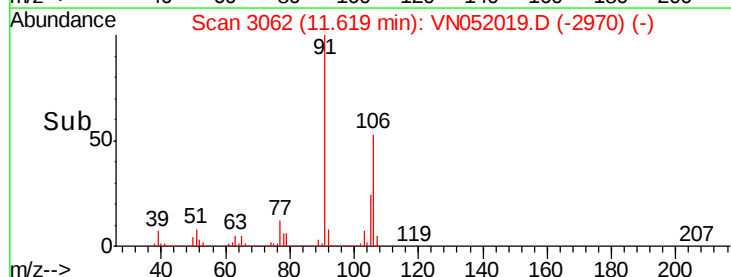
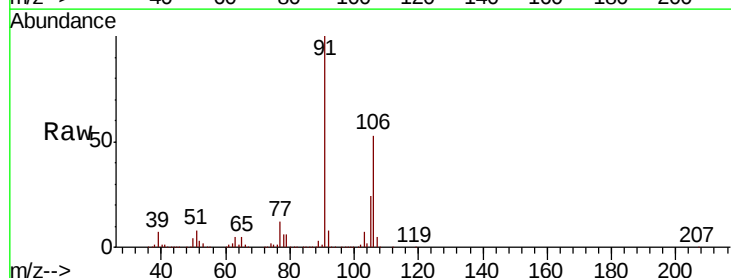
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

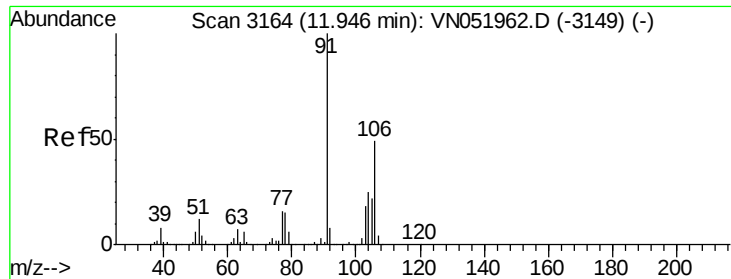
Tot Ion: 91 Resp: 2853020  
Ion Ratio Lower Upper  
91 100  
106 33.5 26.4 39.6



#68  
m/p-Xylenes  
Concen: 99.648 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Tgt Ion: 106 Resp: 2366497  
Ion Ratio Lower Upper  
106 100  
91 189.1 152.2 228.2

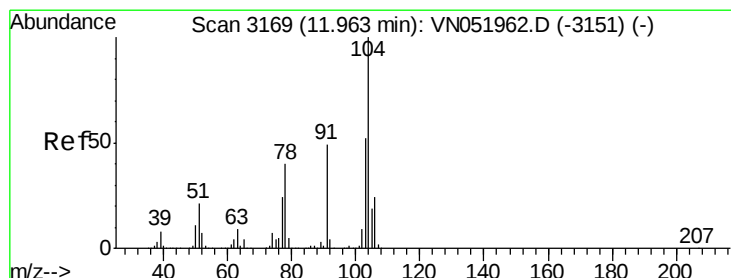
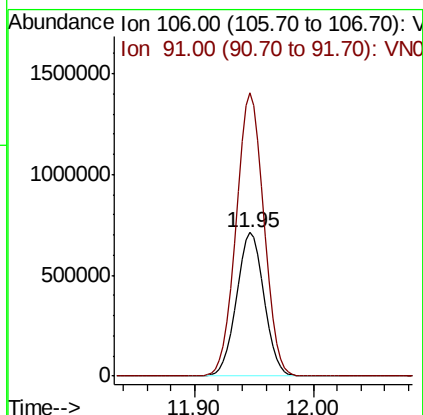
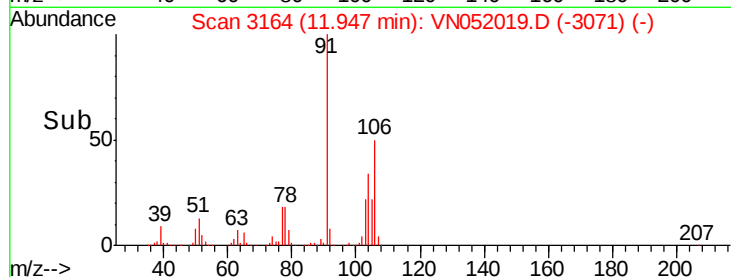
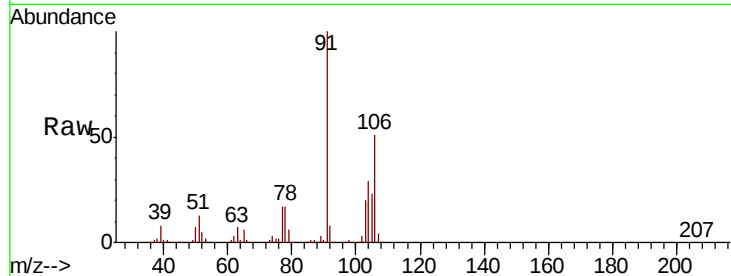




#69  
o-Xylene  
Concen: 49.430 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

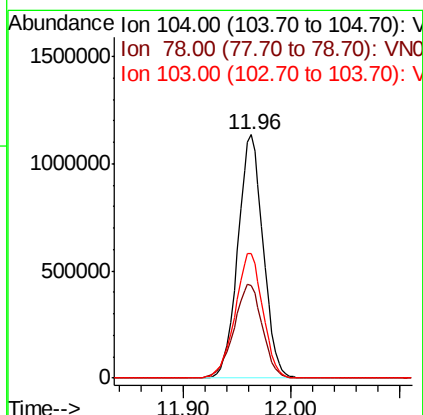
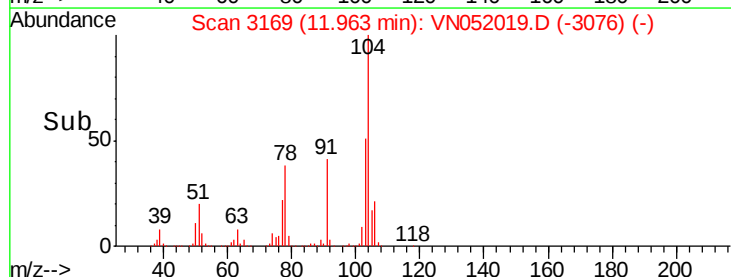
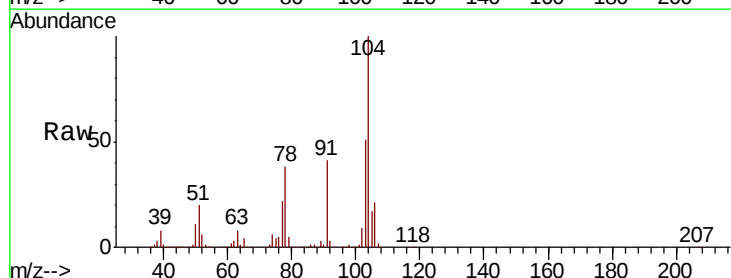
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

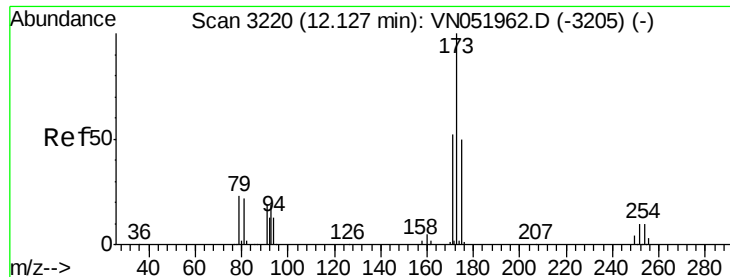
Tot Ion:106 Resp: 1141652  
Ion Ratio Lower Upper  
106 100  
91 198.1 101.0 303.0



#70  
Styrene  
Concen: 50.168 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Tgt Ion:104 Resp: 1851979  
Ion Ratio Lower Upper  
104 100  
78 43.1 35.8 53.6  
103 56.0 44.9 67.3





#71

Bromoform

Concen: 43.945 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

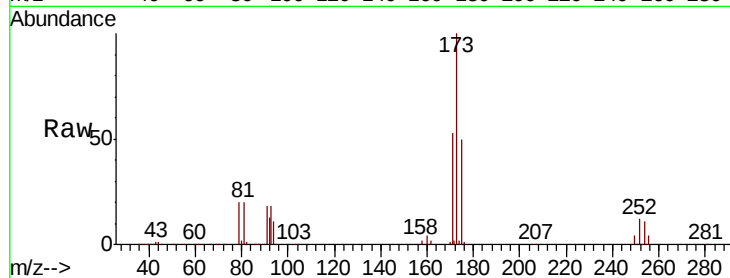
Tot Ion:173 Resp: 428309

Ion Ratio Lower Upper

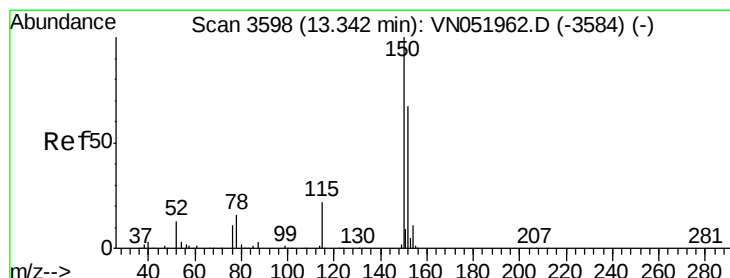
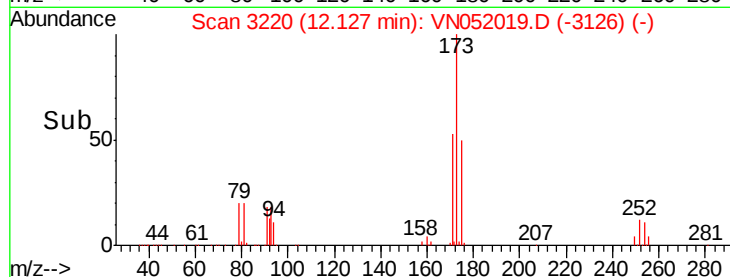
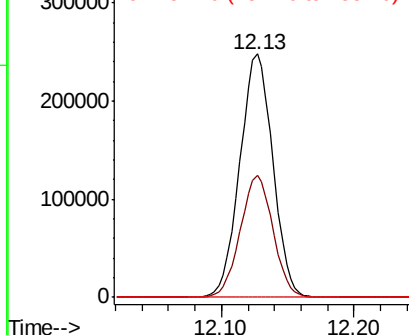
173 100

175 49.6 24.6 74.0

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

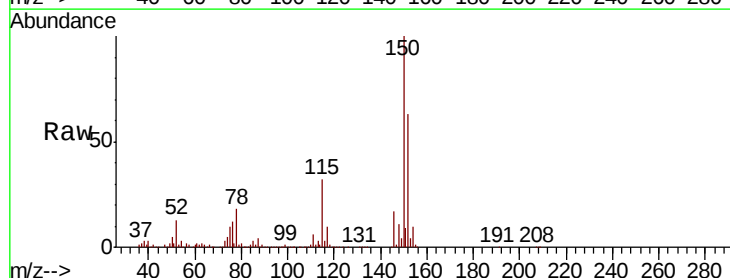
Tgt Ion:152 Resp: 972944

Ion Ratio Lower Upper

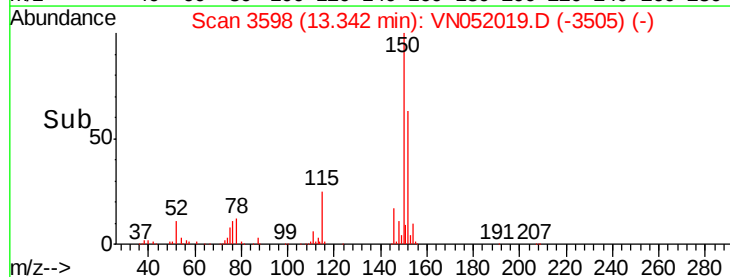
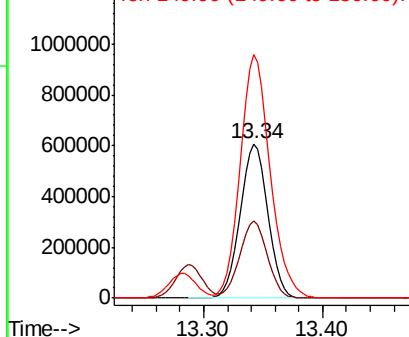
152 100

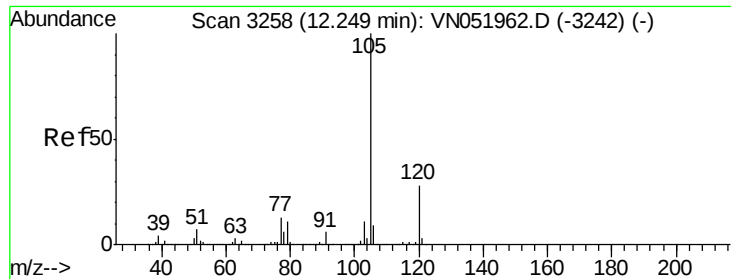
115 50.0 25.8 77.3

150 171.4 0.0 344.4



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





#73

Isopropylbenzene

Concen: 49.086 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

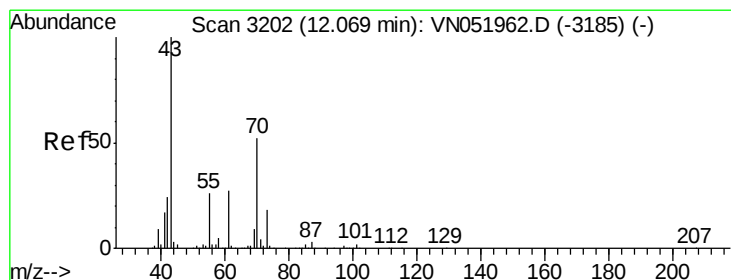
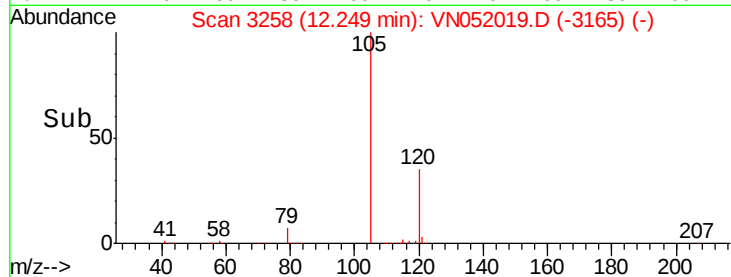
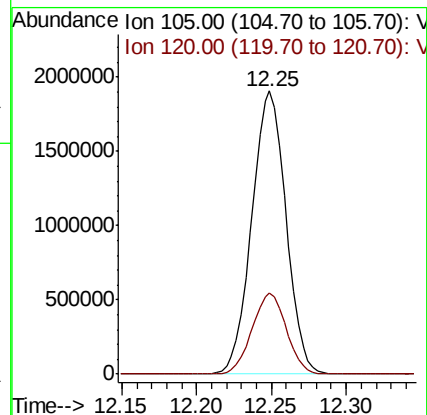
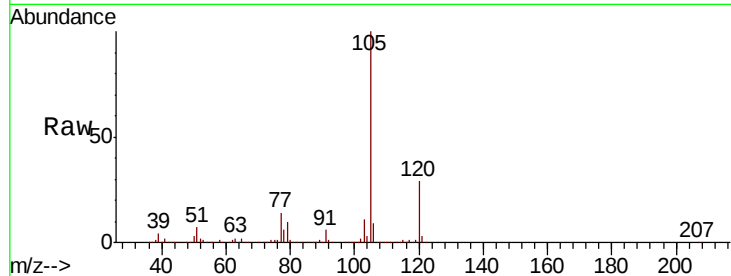
VSTDCCC050

Tot Ion:105 Resp: 3028814

Ion Ratio Lower Upper

105 100

120 28.7 14.0 41.9



#74

N-ethyl acetate

Concen: 44.564 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Tgt Ion: 43 Resp: 541244

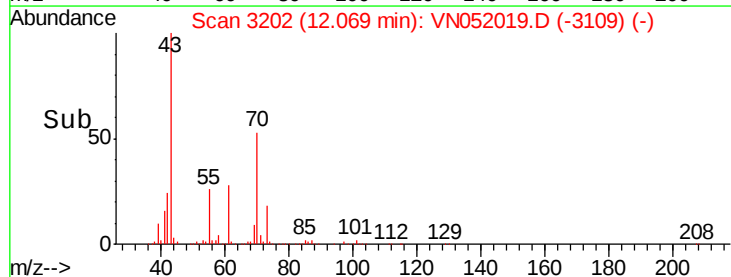
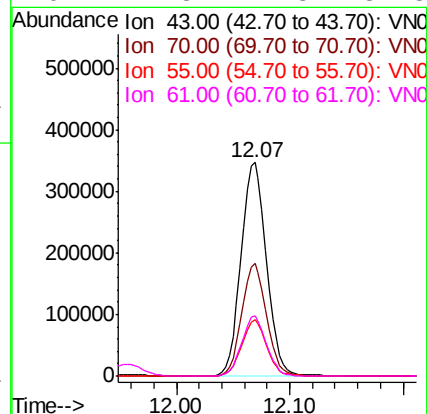
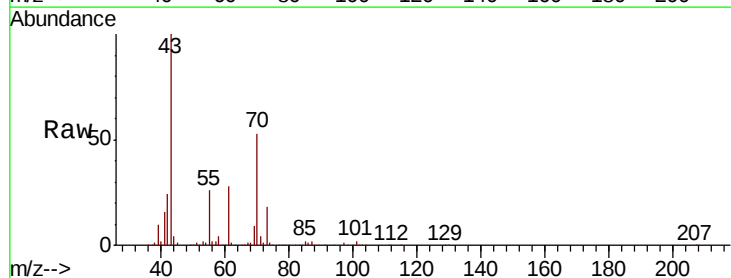
Ion Ratio Lower Upper

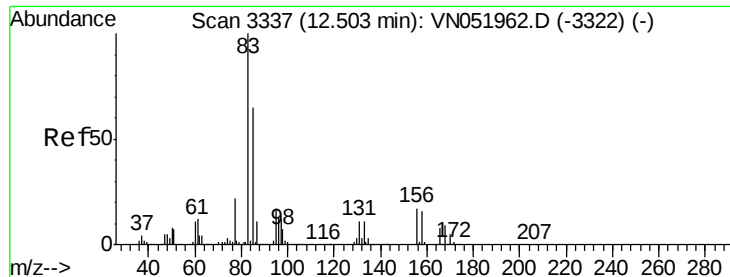
43 100

70 51.6 41.3 61.9

55 26.0 21.2 31.8

61 27.3 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 43.575 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

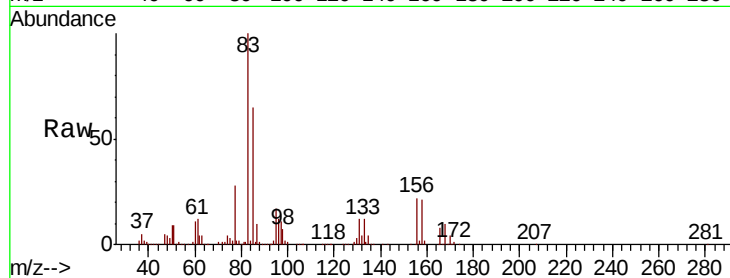
Tot Ion: 83 Resp: 555567

Ion Ratio Lower Upper

83 100

131 12.7 6.2 18.6

85 65.2 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051962.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-3322) (-)

12.50

400000

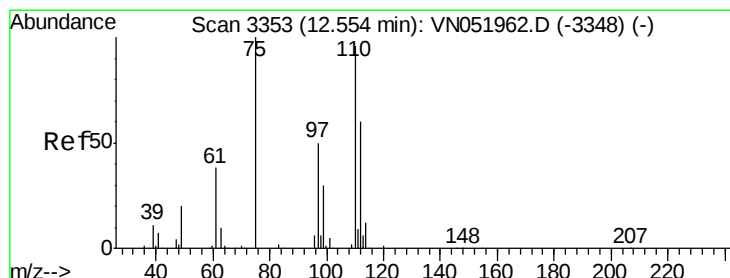
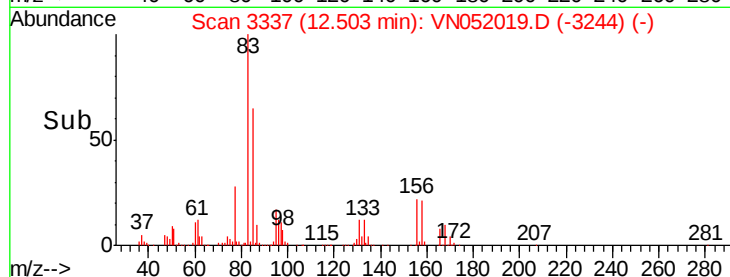
300000

200000

100000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 68.690 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052019.D

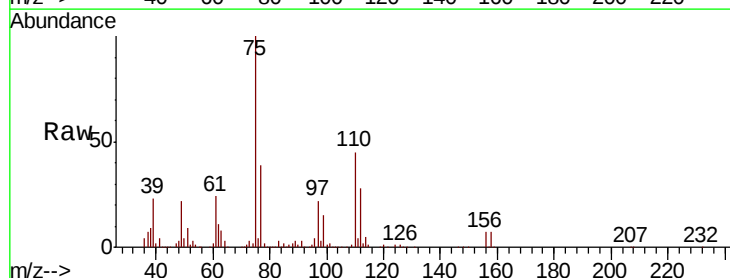
Acq: 26 Oct 2018 10:54

Tgt Ion: 75 Resp: 690332

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051962.D (-3348) (-)

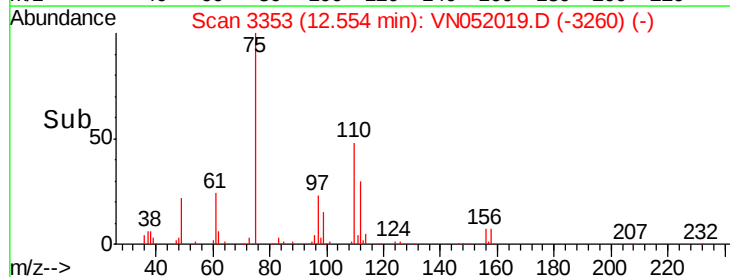
600000

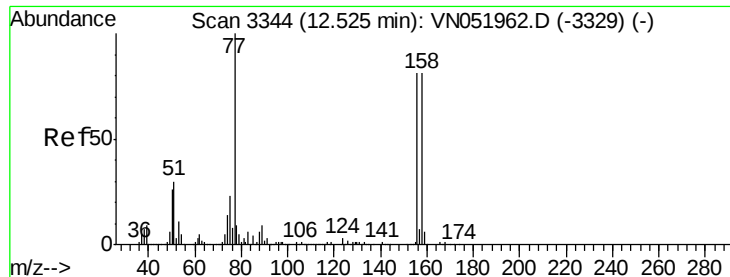
400000

200000

0

Time-->

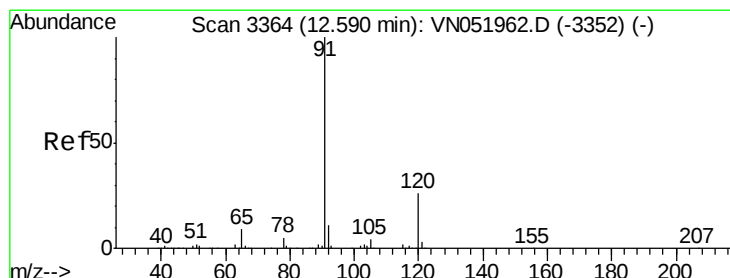
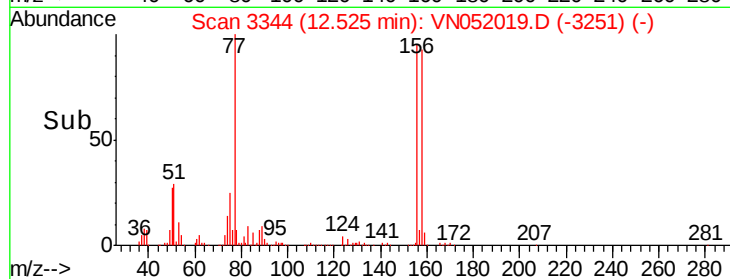
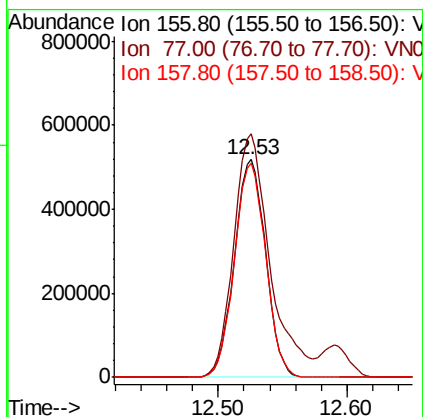
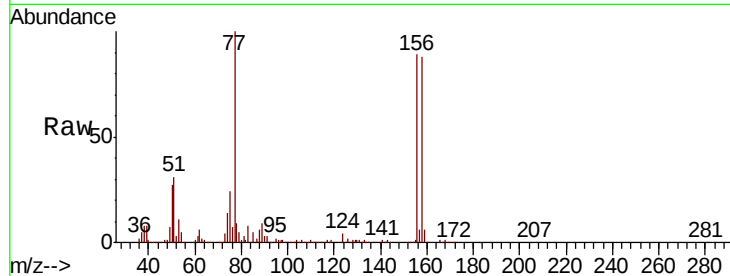




#77  
Bromobenzene  
Concen: 51.277 ug/l  
RT: 12.53 min Scan# 3344  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

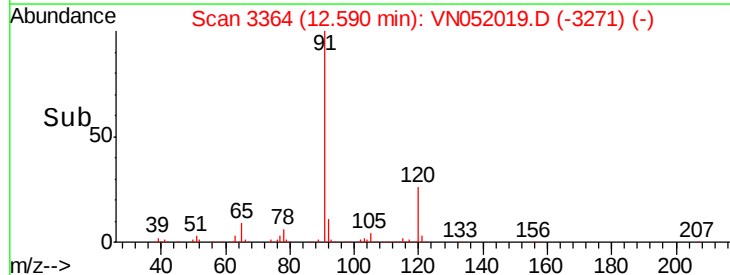
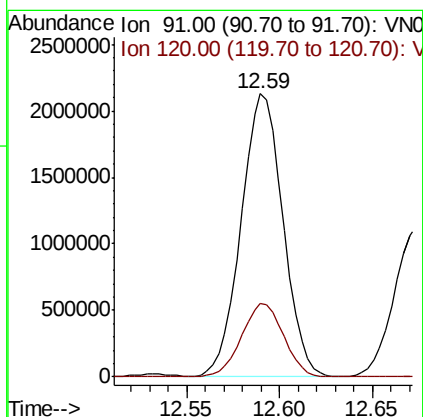
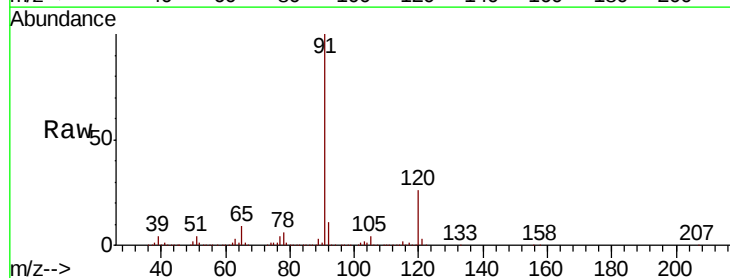
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

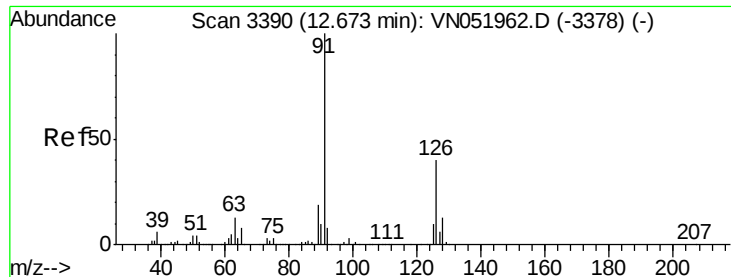
Tot Ion:156 Resp: 873202  
Ion Ratio Lower Upper  
156 100  
77 130.0 71.1 213.3  
158 98.2 49.3 147.8



#78  
n-propylbenzene  
Concen: 50.118 ug/l  
RT: 12.59 min Scan# 3364  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Tgt Ion: 91 Resp: 3336006  
Ion Ratio Lower Upper  
91 100  
120 26.0 13.1 39.3





#79

2-Chlorotoluene

Concen: 48.471 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

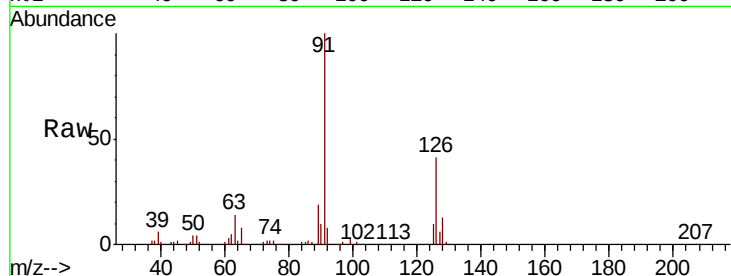
VSTDCCC050

Tot Ion: 91 Resp: 1878859

Ion Ratio Lower Upper

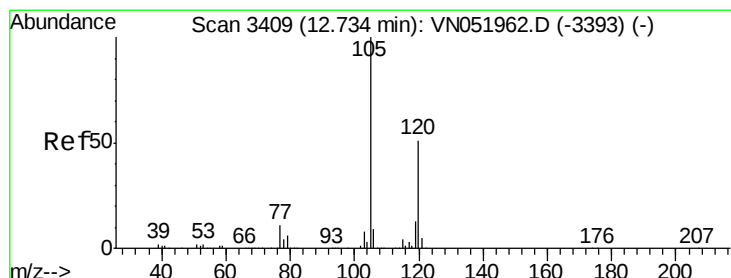
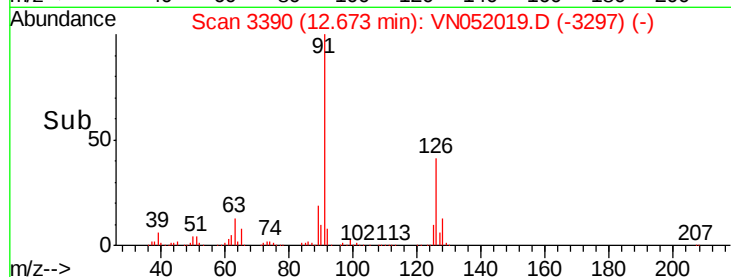
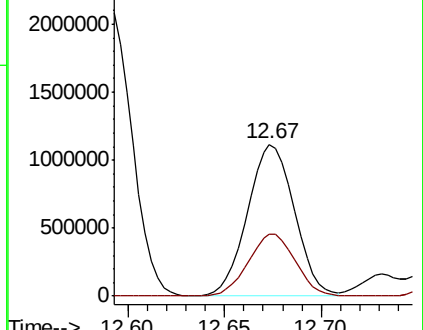
91 100

126 40.9 20.1 60.3



Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051962.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.443 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052019.D

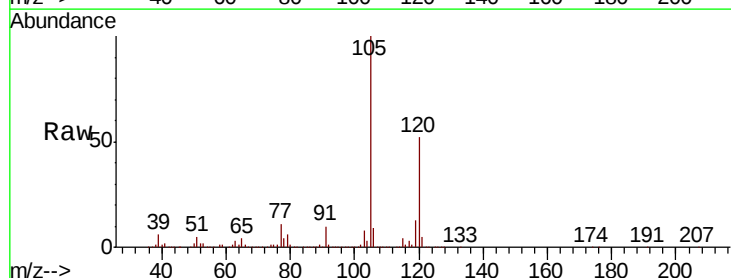
Acq: 26 Oct 2018 10:54

Tgt Ion:105 Resp: 2497178

Ion Ratio Lower Upper

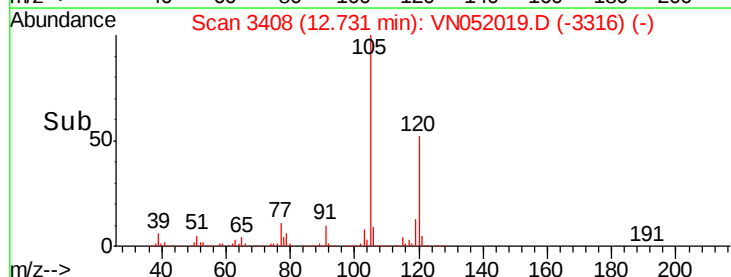
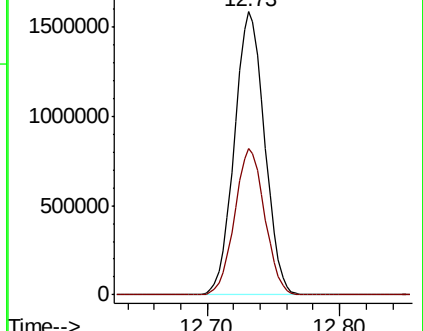
105 100

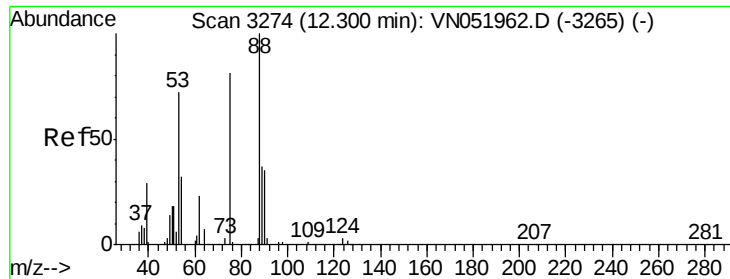
120 51.4 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): VN051962.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN051962.D (-3393) (-)

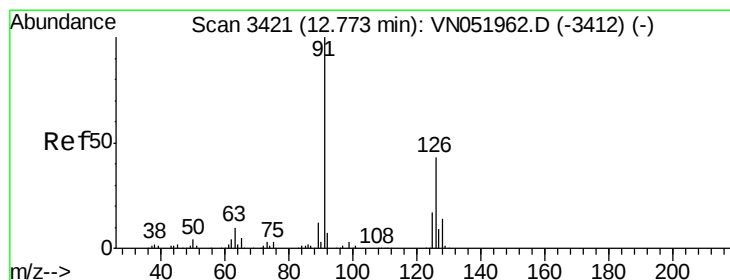
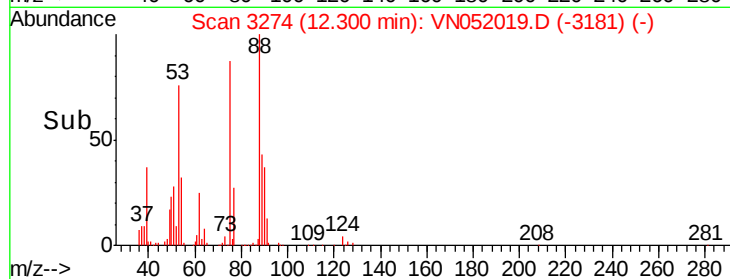
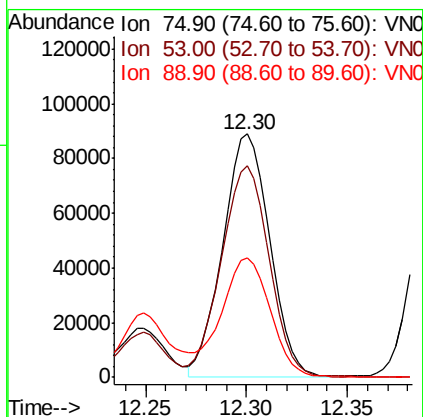
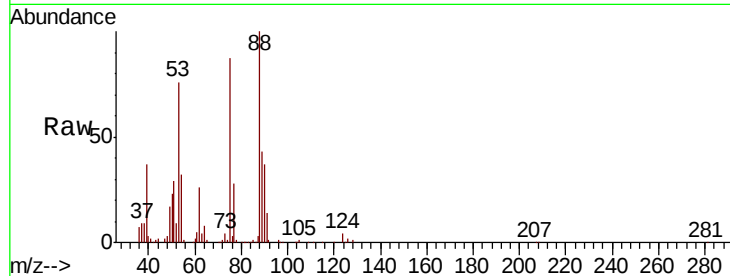




#81  
trans-1,4-Dichloro-2-butene  
Concen: 46.822 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

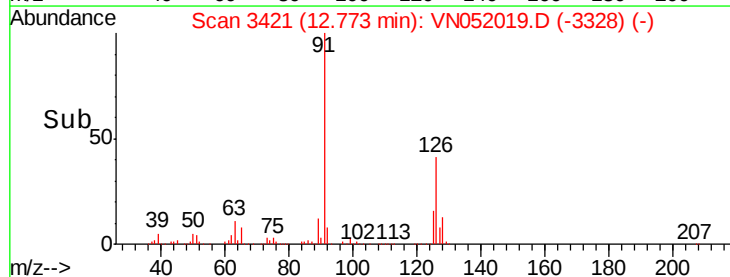
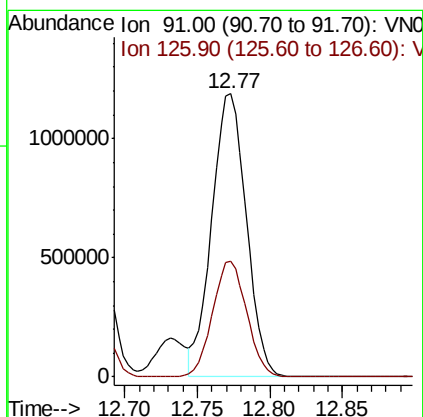
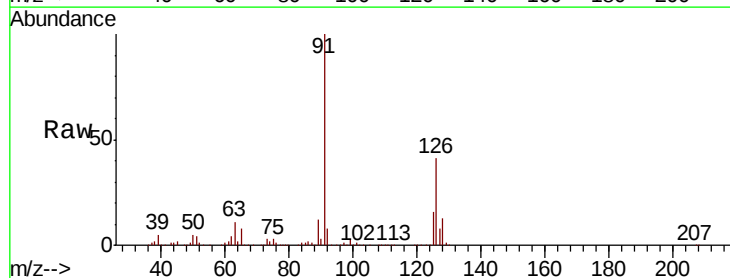
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

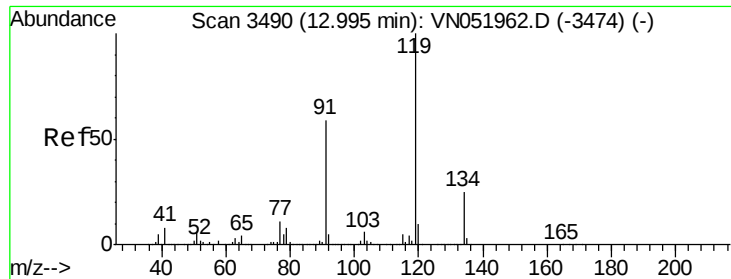
Tot Ion: 75 Resp: 145605  
Ion Ratio Lower Upper  
75 100  
53 88.9 73.5 110.3  
89 50.7 41.6 62.4



#82  
4-Chlorotoluene  
Concen: 48.764 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Tgt Ion: 91 Resp: 1957060  
Ion Ratio Lower Upper  
91 100  
126 40.3 19.7 59.0

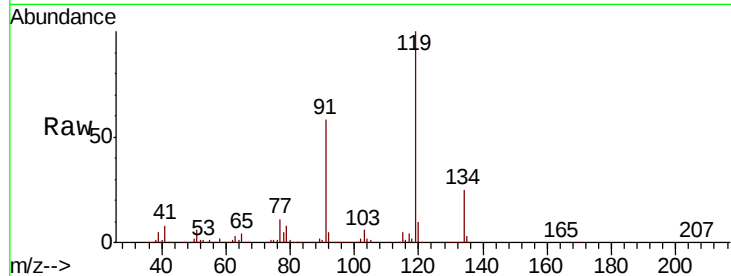




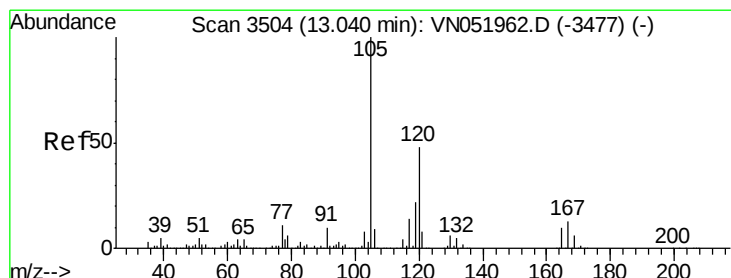
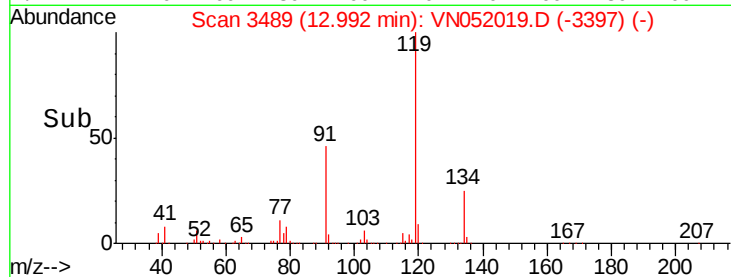
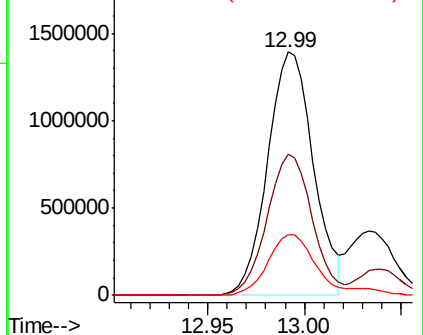
#83  
 tert-Butylbenzene  
 Concen: 49.006 ug/l  
 RT: 12.99 min Scan# 3489  
 Delta R.T. -0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:119 Resp: 2294580  
 Ion Ratio Lower Upper  
 119 100  
 91 57.1 28.8 86.4  
 134 25.5 13.4 40.1

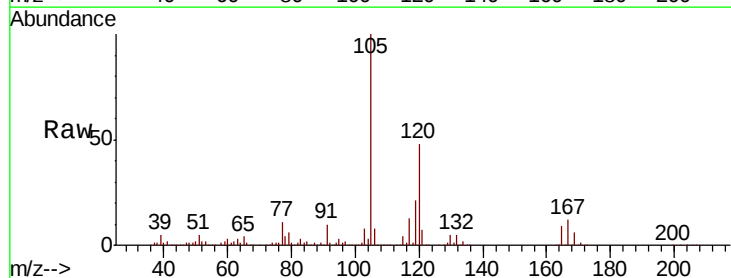


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

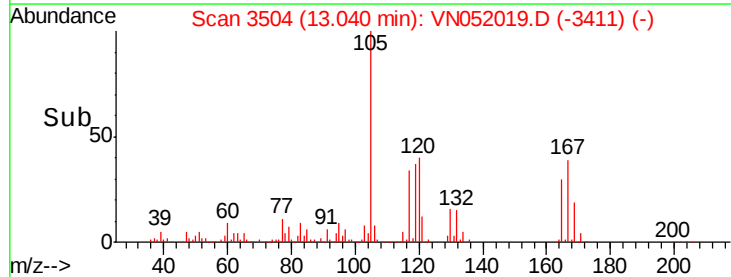
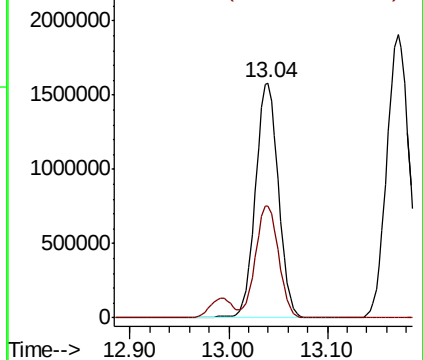


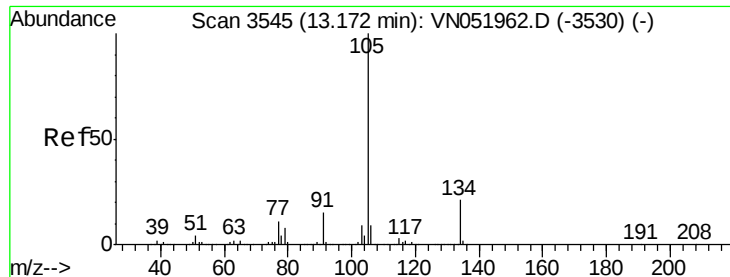
#84  
 1,2,4-Trimethylbenzene  
 Concen: 49.340 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

Tgt Ion:105 Resp: 2519512  
 Ion Ratio Lower Upper  
 105 100  
 120 48.2 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.188 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

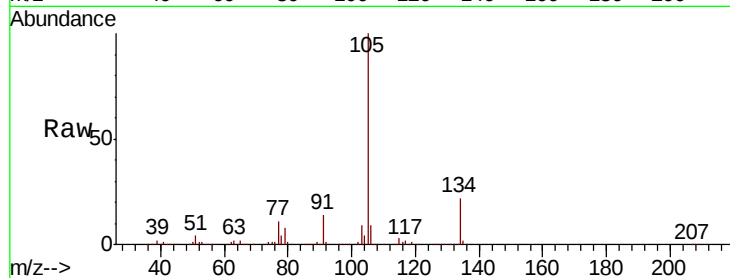
VSTDCCC050

Tot Ion:105 Resp: 3008001

Ion Ratio Lower Upper

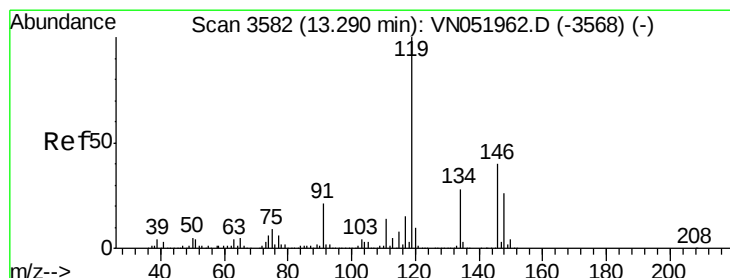
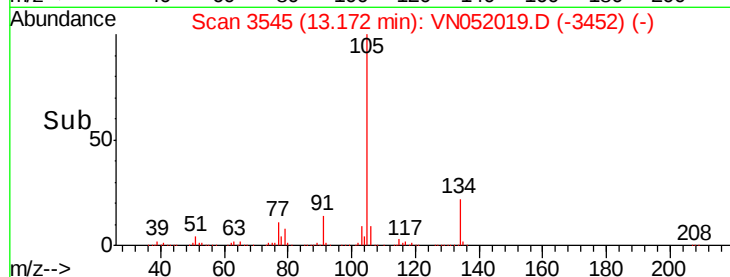
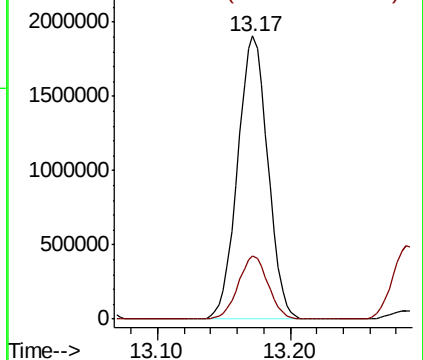
105 100

134 22.1 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.374 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

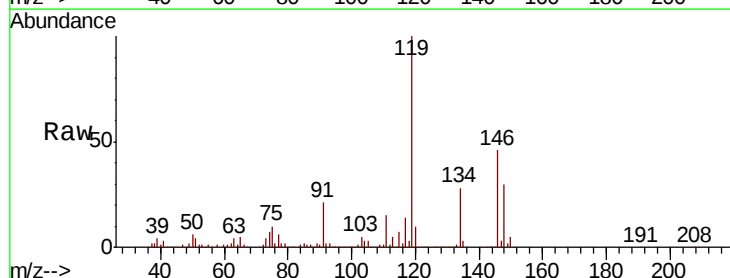
Tgt Ion:119 Resp: 2773401

Ion Ratio Lower Upper

119 100

134 27.5 13.9 41.7

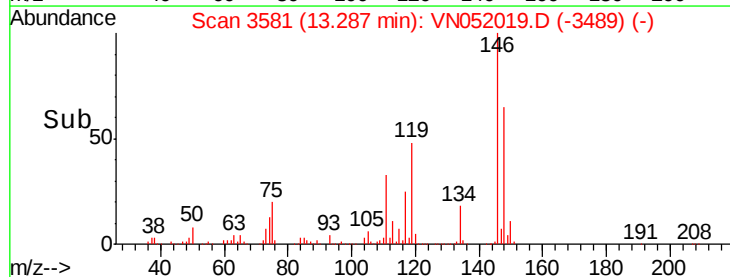
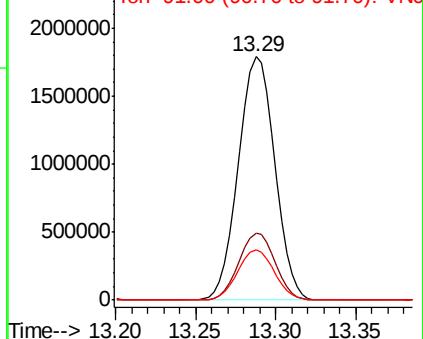
91 20.7 10.6 31.8

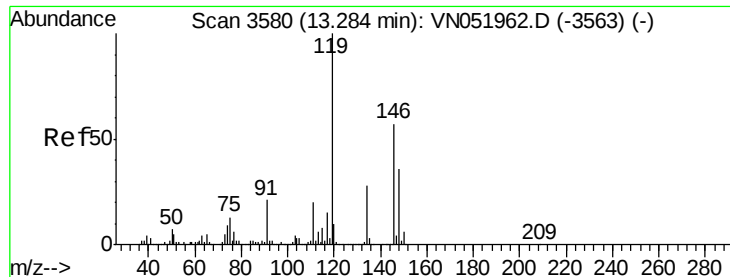


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.093 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

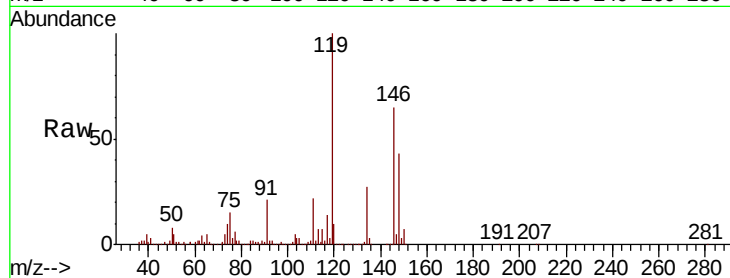
Tot Ion:146 Resp: 1541902

Ion Ratio Lower Upper

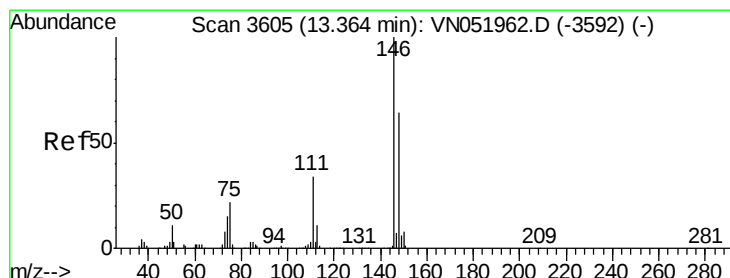
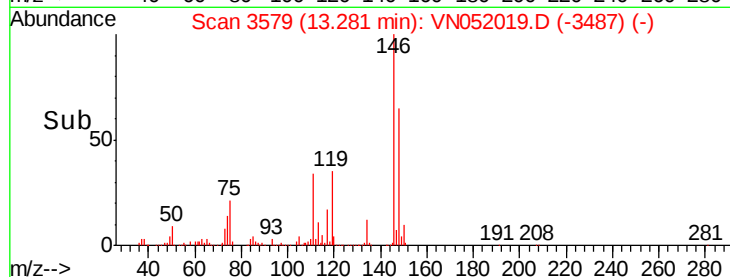
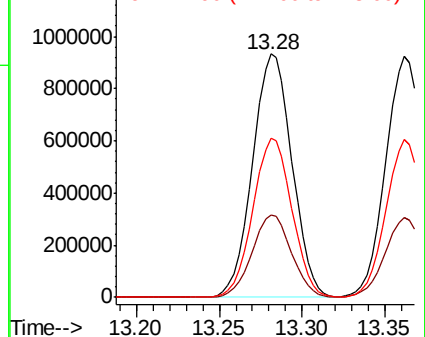
146 100

111 33.7 17.6 52.8

148 64.4 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 48.611 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

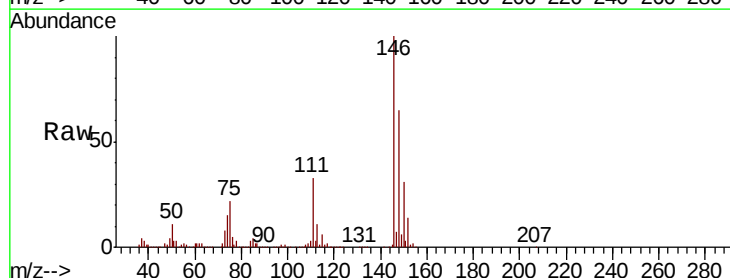
Tgt Ion:146 Resp: 1505228

Ion Ratio Lower Upper

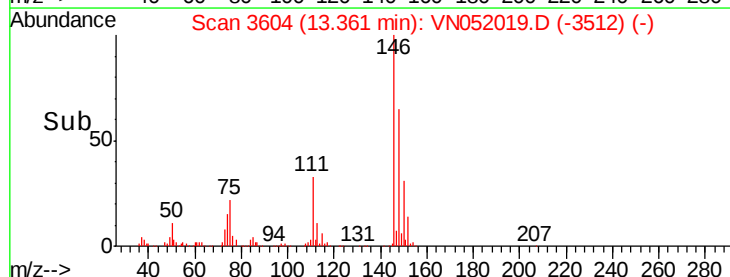
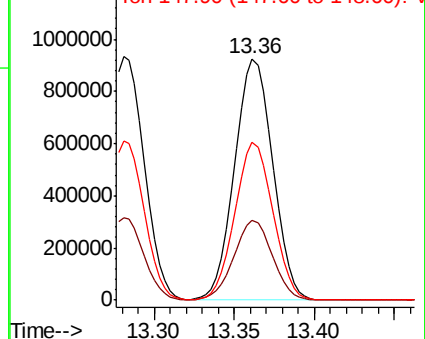
146 100

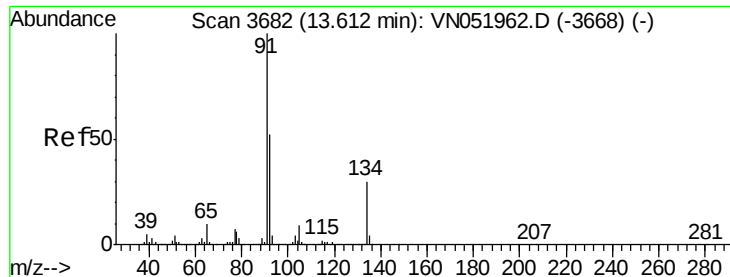
111 33.2 17.3 51.7

148 64.9 32.1 96.3



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

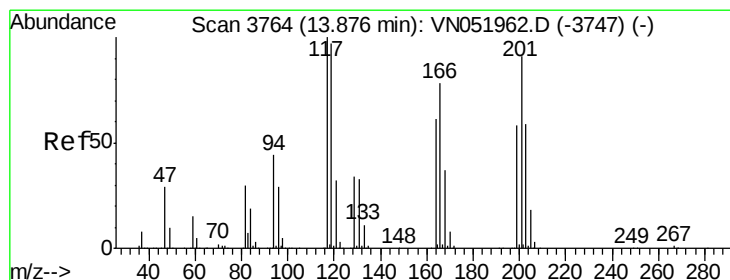
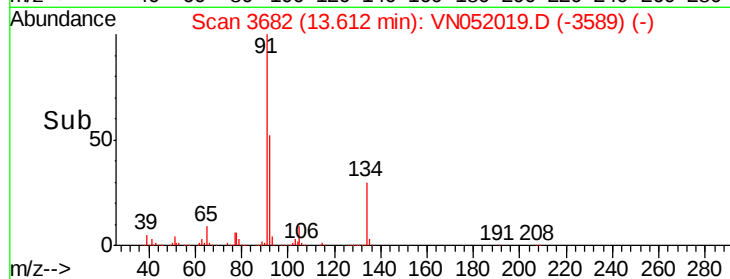
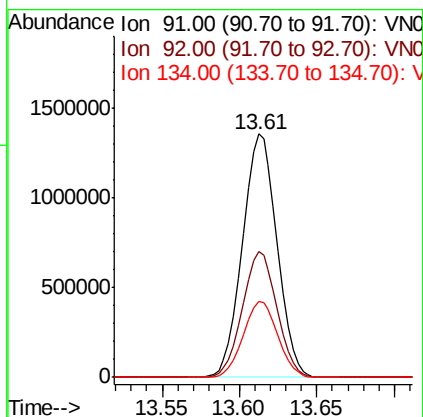
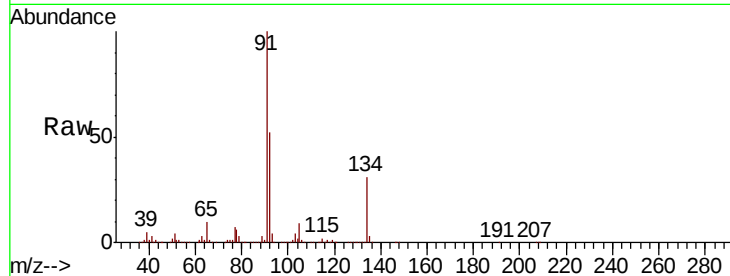




#89  
n-Butylbenzene  
Concen: 48.018 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

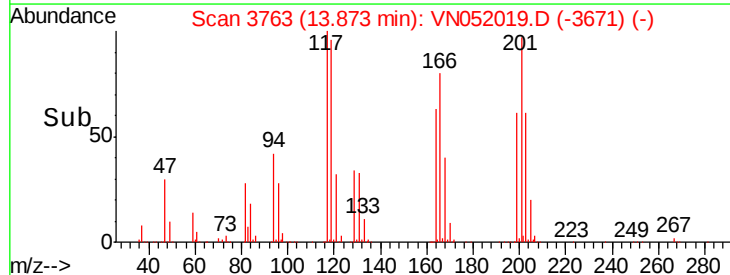
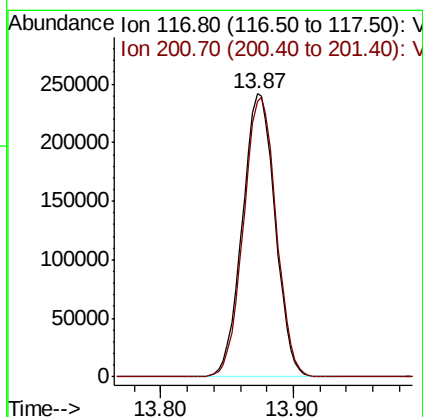
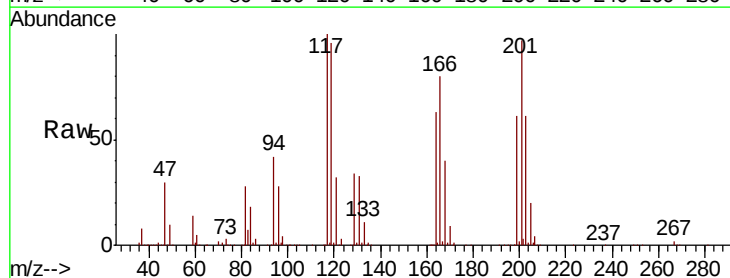
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

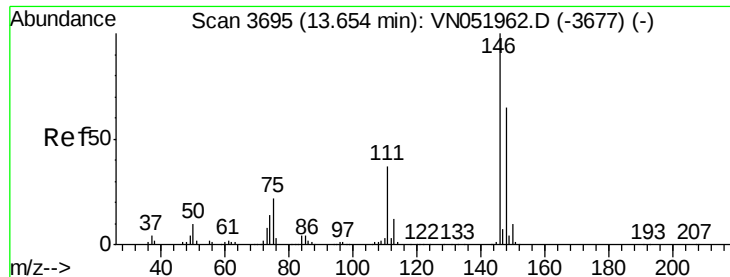
Tot Ion: 91 Resp: 2105109  
Ion Ratio Lower Upper  
91 100  
92 51.6 25.9 77.8  
134 31.3 15.2 45.6



#90  
Hexachloroethane  
Concen: 50.628 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN052019.D  
Acq: 26 Oct 2018 10:54

Tgt Ion: 117 Resp: 415263  
Ion Ratio Lower Upper  
117 100  
201 98.2 45.6 136.9





#91

1,2-Dichlorobenzene

Concen: 46.499 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

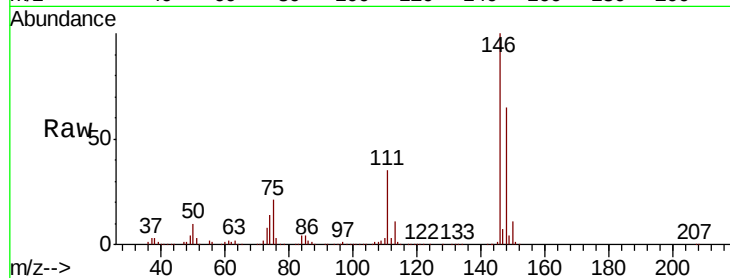
Tot Ion:146 Resp: 1412817

Ion Ratio Lower Upper

146 100

111 34.7 18.3 54.9

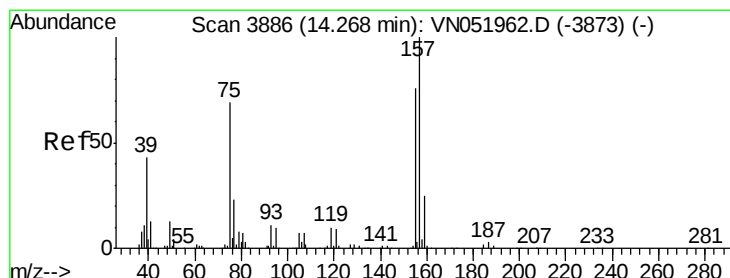
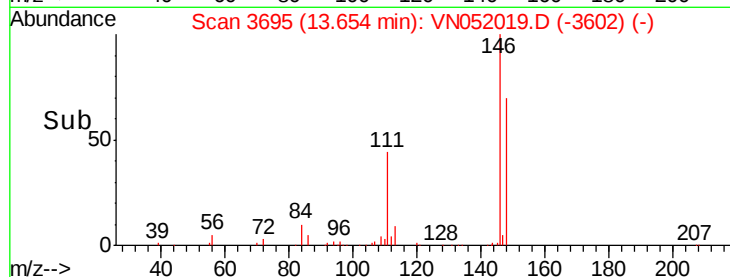
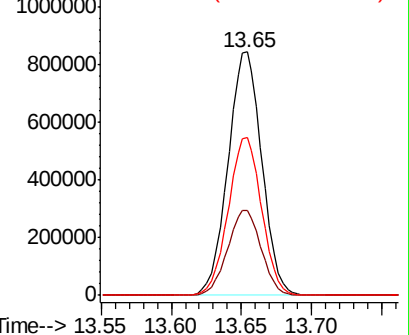
148 64.2 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 34.780 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

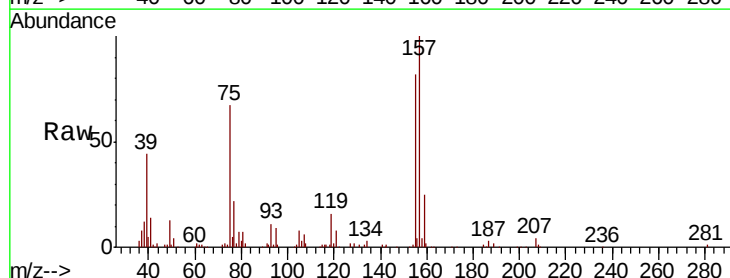
Tgt Ion: 75 Resp: 68085

Ion Ratio Lower Upper

75 100

155 119.7 56.0 167.9

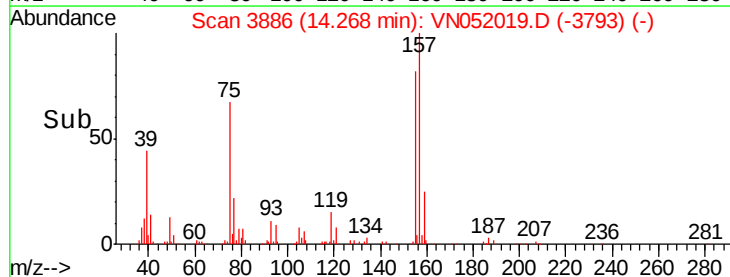
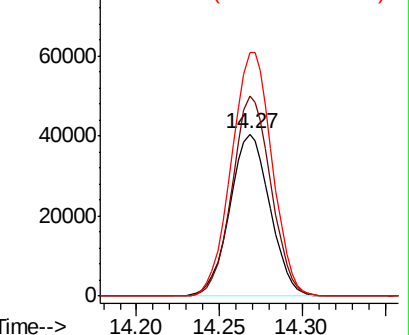
157 152.1 73.9 221.6

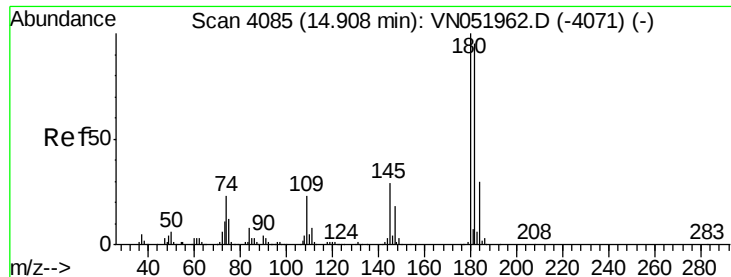


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

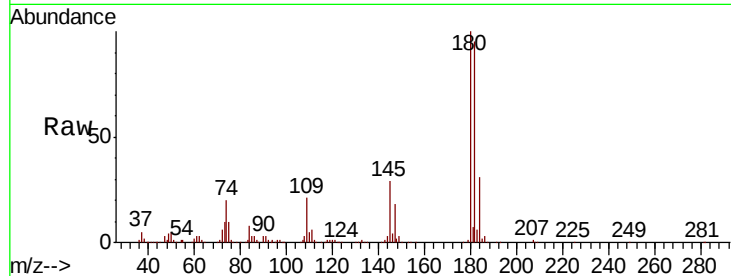




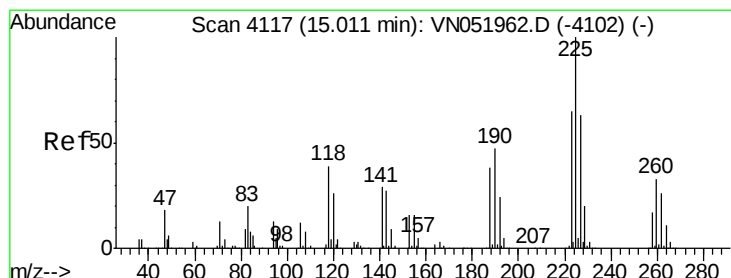
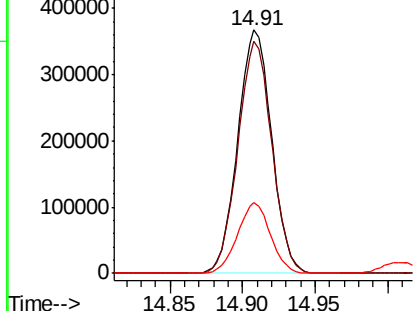
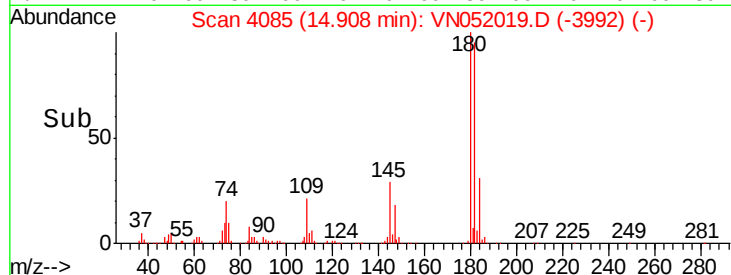
#93  
 1,2,4-Trichlorobenzene  
 Concen: 33.263 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:180 Resp: 597013  
 Ion Ratio Lower Upper  
 180 100  
 182 95.3 47.8 143.4  
 145 28.3 14.5 43.5

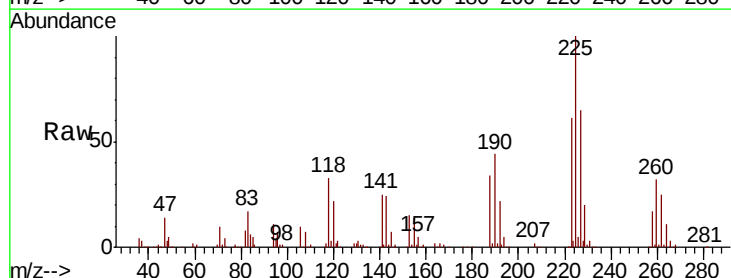


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

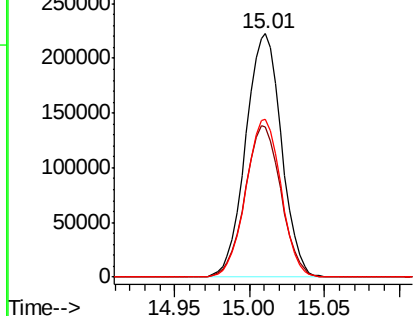
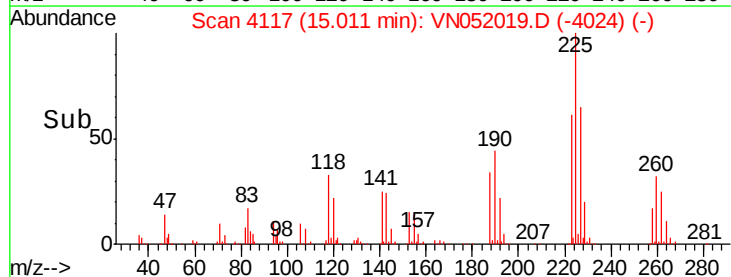


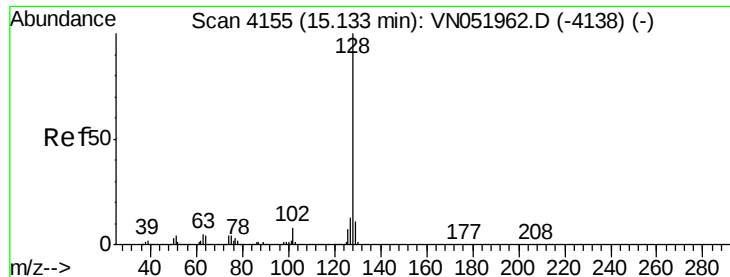
#94  
 Hexachlorobutadiene  
 Concen: 40.069 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN052019.D  
 Acq: 26 Oct 2018 10:54

Tgt Ion:225 Resp: 369530  
 Ion Ratio Lower Upper  
 225 100  
 223 62.7 31.8 95.4  
 227 64.1 31.4 94.2



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





#95

Naphthalene

Concen: 28.144 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

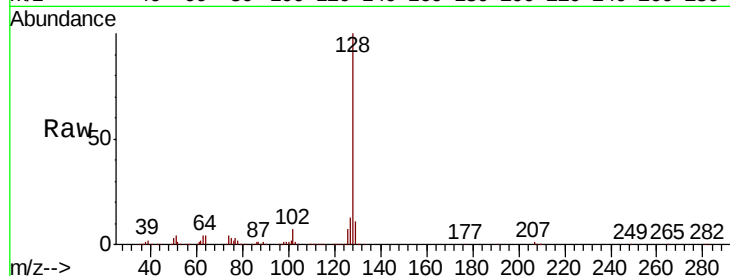
Tot Ion:128 Resp: 1097021

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

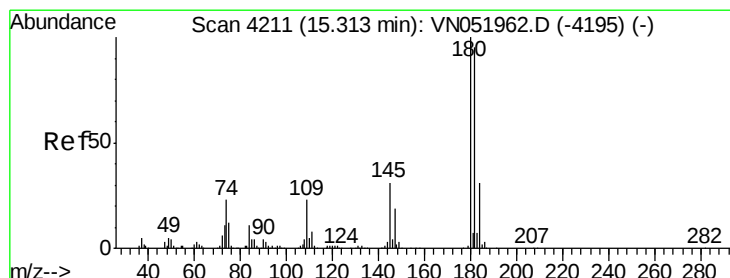
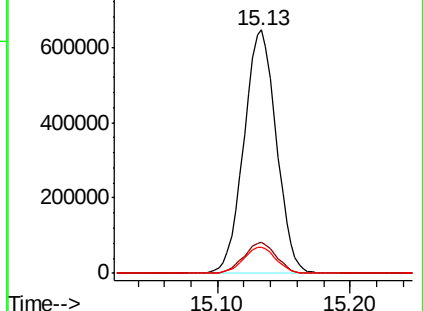
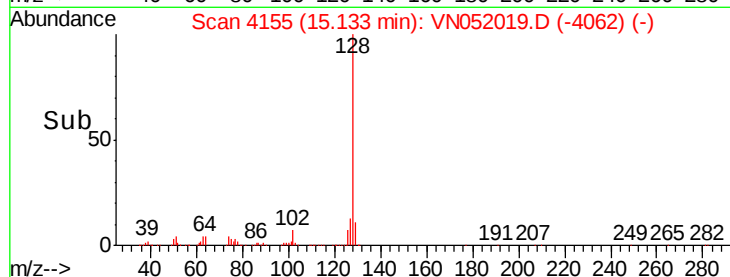
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 27.790 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052019.D

Acq: 26 Oct 2018 10:54

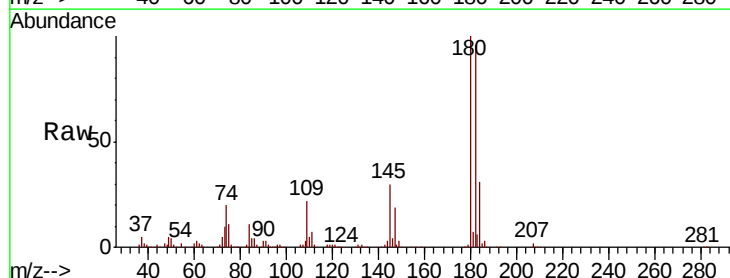
Tgt Ion:180 Resp: 476747

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.6

145 29.6 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

