

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\  
 Data File : VN051965.D  
 Acq On : 23 Oct 2018 15:33  
 Operator : MD\SY  
 Sample : VSTDICV050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 24 07:19:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 24 06:55:59 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1261556  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1800071  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1692685  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 963859   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 506324   | 45.06 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.12%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 551810   | 48.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.08%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2012627  | 48.49 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.98%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 716695   | 50.23 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.46% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 397380   | 49.637  | ug/l  | 99     |
| 3) Chloromethane              | 2.06 | 50   | 350756   | 48.660  | ug/l  | 99     |
| 4) Vinyl Chloride             | 2.19 | 62   | 438776   | 45.412  | ug/l  | 99     |
| 5) Bromomethane               | 2.57 | 94   | 438499   | 47.400  | ug/l  | 97     |
| 6) Chloroethane               | 2.71 | 64   | 313327   | 43.680  | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 3.02 | 101  | 809522   | 47.021  | ug/l  | 100    |
| 8) Diethyl Ether              | 3.41 | 74   | 237919   | 46.482  | ug/l  | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101  | 507138   | 49.174  | ug/l  | 99     |
| 10) Methyl Iodide             | 3.96 | 142  | 788544   | 54.161  | ug/l  | 98     |
| 11) Tert butyl alcohol        | 4.78 | 59   | 123457   | 212.317 | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 3.74 | 96   | 450127   | 48.736  | ug/l  | 97     |
| 13) Acrolein                  | 3.61 | 56   | 68152    | 210.538 | ug/l  | 100    |
| 14) Allyl chloride            | 4.33 | 41   | 429422   | 43.939  | ug/l  | 94     |
| 15) Acrylonitrile             | 4.99 | 53   | 556340   | 226.649 | ug/l  | 98     |
| 16) Acetone                   | 3.82 | 43   | 384842   | 207.893 | ug/l  | 98     |
| 17) Carbon Disulfide          | 4.06 | 76   | 1110041  | 50.561  | ug/l  | 99     |
| 18) Methyl Acetate            | 4.32 | 43   | 245764   | 43.408  | ug/l  | 98     |
| 19) Methyl tert-butyl Ether   | 5.04 | 73   | 1143164  | 46.101  | ug/l  | 98     |
| 20) Methylene Chloride        | 4.55 | 84   | 491885   | 45.296  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96   | 507713   | 48.539  | ug/l  | 96     |
| 22) Diisopropyl ether         | 5.95 | 45   | 1047583  | 46.851  | ug/l  | 98     |
| 23) Vinyl Acetate             | 5.90 | 43   | 3550278  | 233.407 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63   | 754712   | 46.232  | ug/l  | 98     |
| 25) 2-Butanone                | 6.83 | 43   | 572641   | 216.991 | ug/l  | 98     |
| 26) 2,2-Dichloropropane       | 6.83 | 77   | 735072   | 49.216  | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96   | 593204   | 48.547  | ug/l  | 97     |
| 28) Bromochloromethane        | 7.19 | 49   | 298961   | 45.439  | ug/l  | 91     |
| 29) Tetrahydrofuran           | 7.21 | 42   | 367789   | 205.698 | ug/l  | 98     |
| 30) Chloroform                | 7.37 | 83   | 937452   | 47.030  | ug/l  | 98     |
| 31) Cyclohexane               | 7.66 | 56   | 643057   | 48.986  | ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 881888   | 48.382  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75   | 670462   | 48.556  | ug/l  | 99     |
| 37) Ethyl Acetate             | 6.93 | 43   | 279528   | 45.121  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 7.78 | 117  | 796918   | 50.272  | ug/l  | 97     |

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 Sample : VSTDICV050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 24 07:19:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 24 06:55:59 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 876397   | 51.965  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 1967912  | 48.000  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.21  | 41   | 376561   | 121.360 | ug/l # | 8        |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 610443   | 46.439  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.16  | 43   | 528574   | 45.709  | ug/l   | 99       |
| 44) Trichloroethene            | 8.84  | 130  | 662505   | 50.344  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 448129   | 48.319  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 352591   | 47.162  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.40  | 83   | 698777   | 49.491  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.20  | 41   | 256895   | 45.961  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 94165    | 918.767 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 1409499  | 221.588 | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 1383436  | 49.762  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 679109   | 47.169  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 761936   | 51.630  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 492178   | 47.915  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 529201   | 47.928  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 738064   | 47.330  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 1371513  | 237.391 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 968591   | 226.631 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 600663   | 46.004  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 523832   | 48.366  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 651009   | 50.109  | ug/l   | 96       |
| 65) Chlorobenzene              | 11.43 | 112  | 1692582  | 49.526  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 621732   | 50.613  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 2701039  | 49.168  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.62 | 106  | 2254180  | 102.701 | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 1076721  | 50.441  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 1756225  | 51.475  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 396823   | 44.044  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 2967259  | 48.542  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 525359   | 43.664  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 554973   | 43.938  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 665252   | 66.818  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 823786   | 48.831  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.59 | 91   | 3246459  | 49.233  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 1844655  | 48.037  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 2472704  | 50.419  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 136938   | 44.541  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1947518  | 48.984  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 2287006  | 49.305  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 2520690  | 49.828  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 3079638  | 50.834  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 2839938  | 52.068  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1564498  | 50.282  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 1574545  | 51.329  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 2259772  | 52.032  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 427601   | 52.624  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1506915  | 50.063  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 85295    | 43.982  | ug/l   | 96       |

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Sample : VSTDICV050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 8 Sample Multiplier: 28

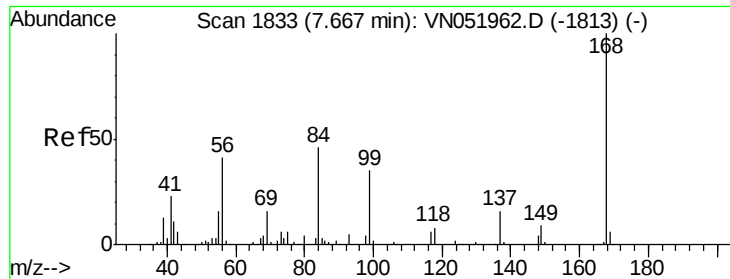
Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Oct 24 07:19:56 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 24 06:55:59 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 928866   | 52.241 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 473847   | 51.865 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 1919865  | 49.719 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 863292   | 50.796 | 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: VN051965.D

Acq: 23 Oct 2018 15:33

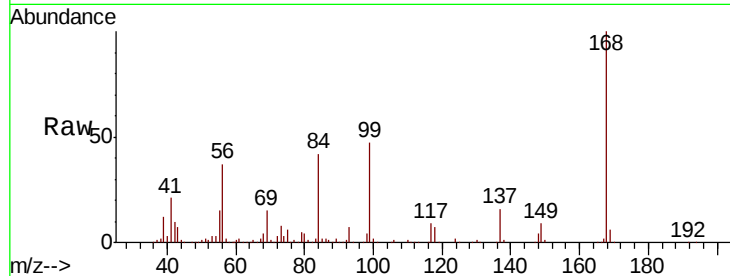
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:168 Resp: 1261556

Ion Ratio Lower Upper

168 100

99 46.8 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

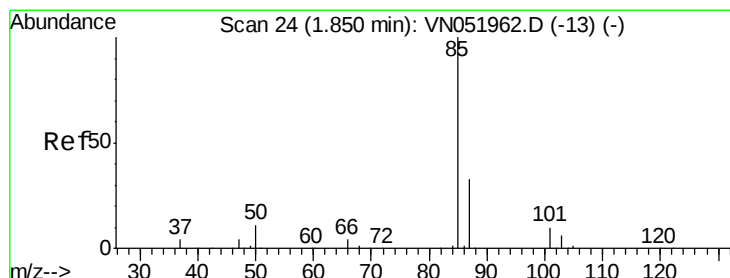
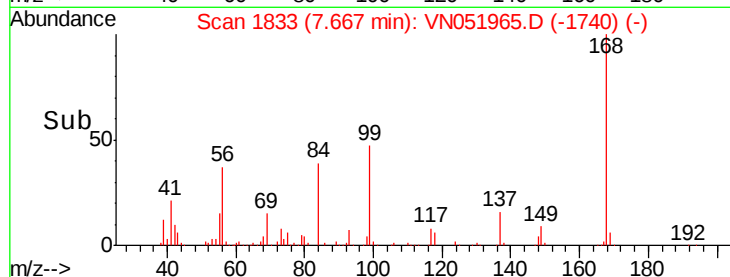
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.637 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051965.D

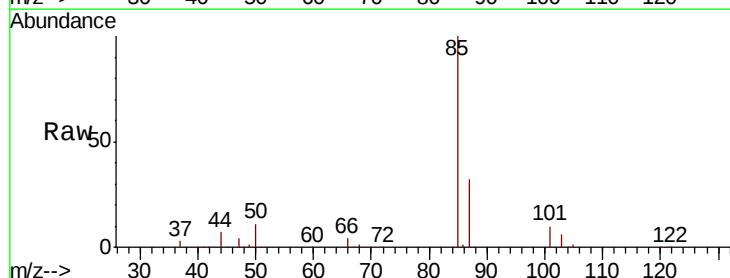
Acq: 23 Oct 2018 15:33

Tgt Ion: 85 Resp: 397380

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

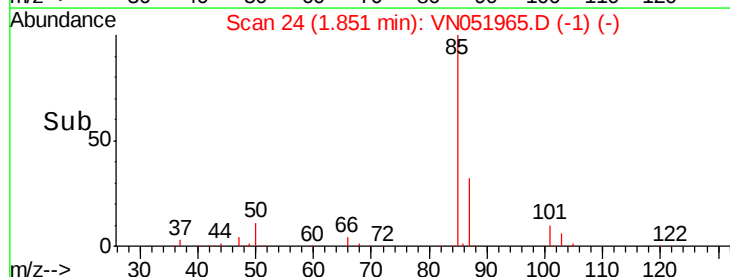
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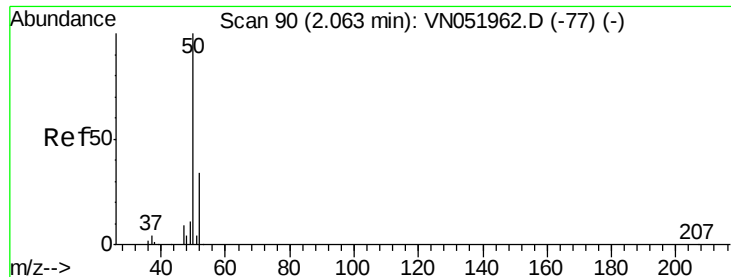
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50000

0

Time-->





#3

Chloromethane

Concen: 48.660 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

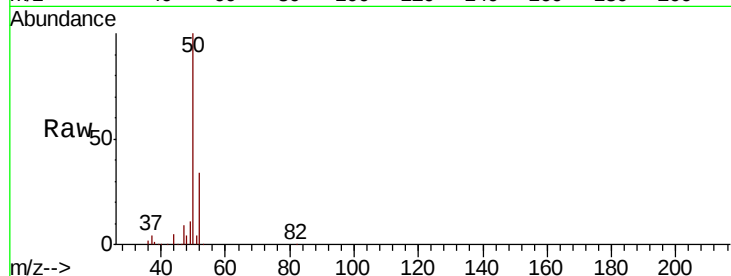
ClientSampled :

Tot Ion: 50 Resp: 350756

Ion Ratio Lower Upper

50 100

52 33.7 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

250000

200000

150000

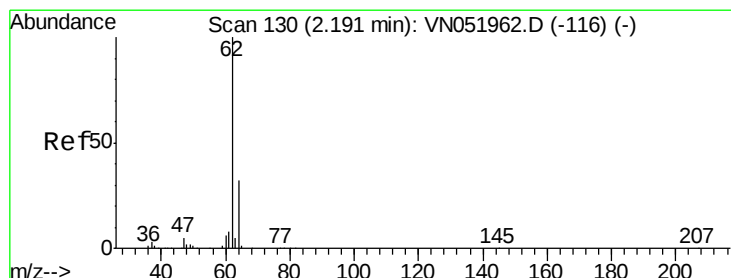
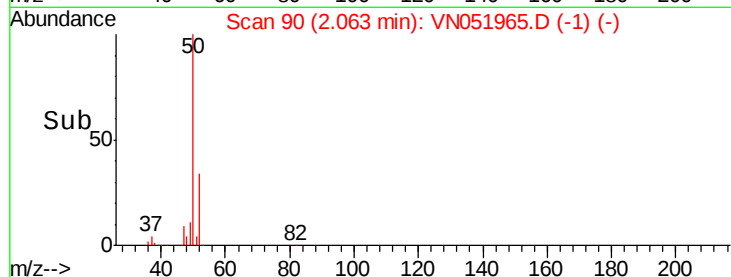
100000

50000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 45.412 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN051965.D

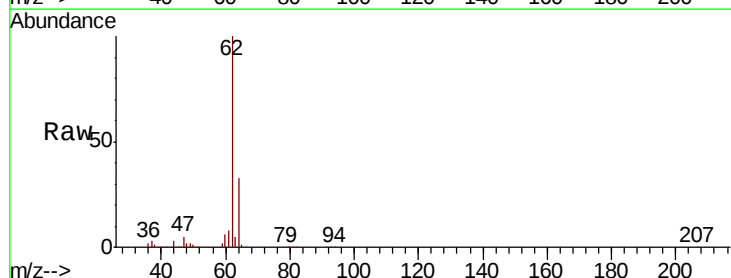
Acq: 23 Oct 2018 15:33

Tgt Ion: 62 Resp: 438776

Ion Ratio Lower Upper

62 100

64 33.2 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

300000

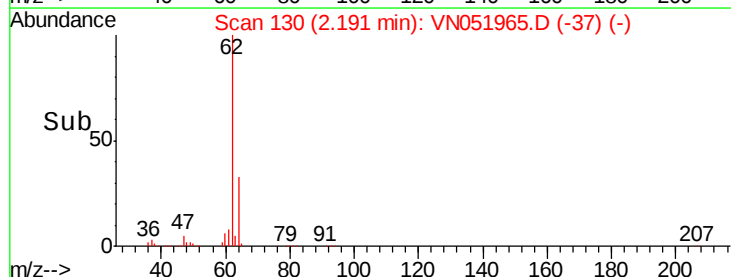
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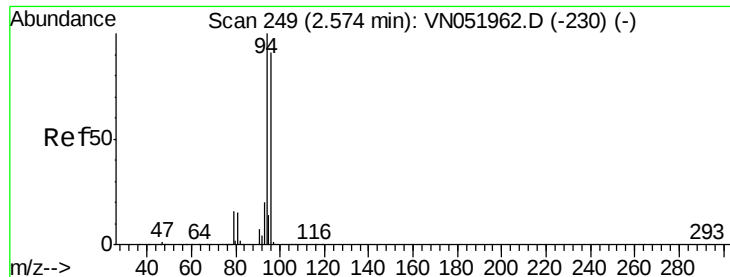
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Time-->

2.15 2.20 2.25

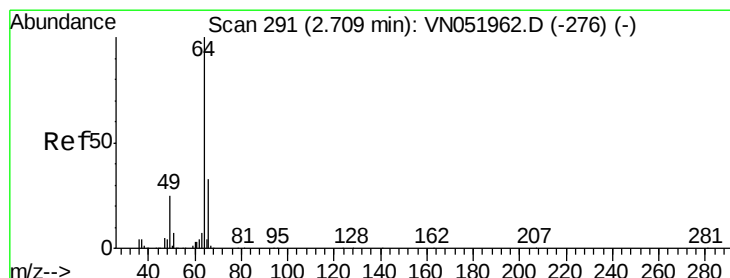
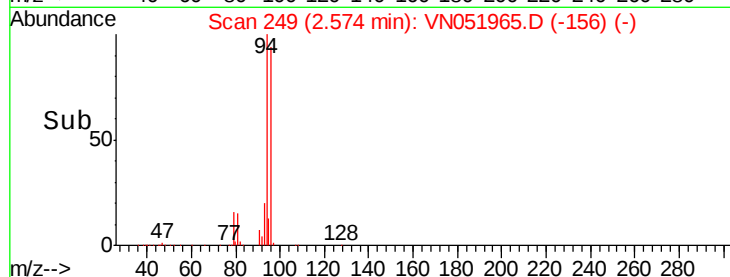
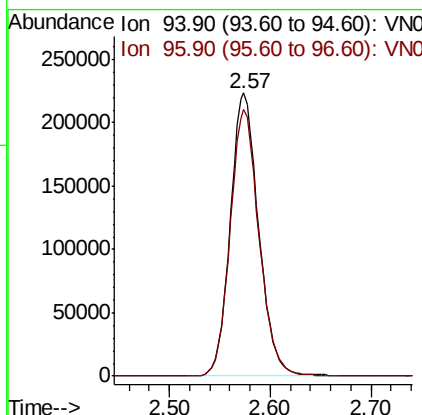
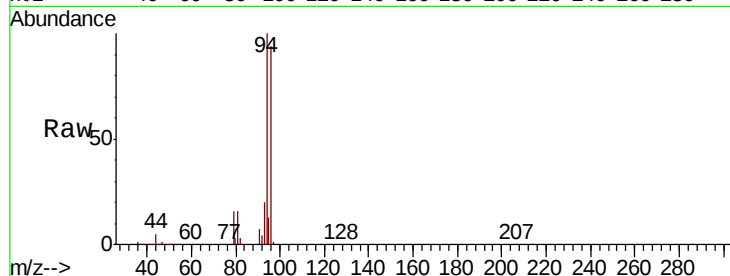




#5  
Bromomethane  
Concen: 47.400 ug/l  
RT: 2.57 min Scan# 249  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

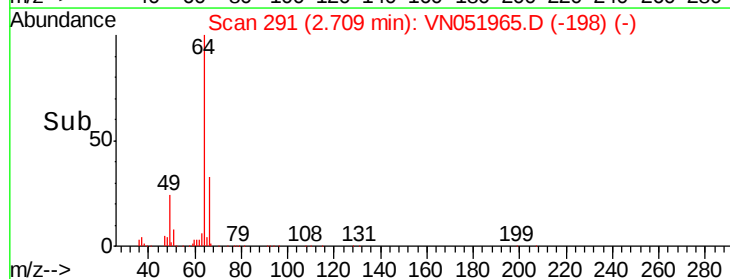
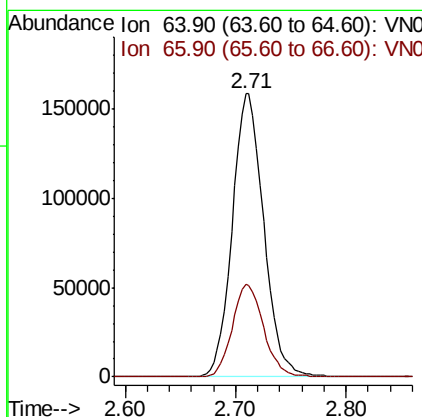
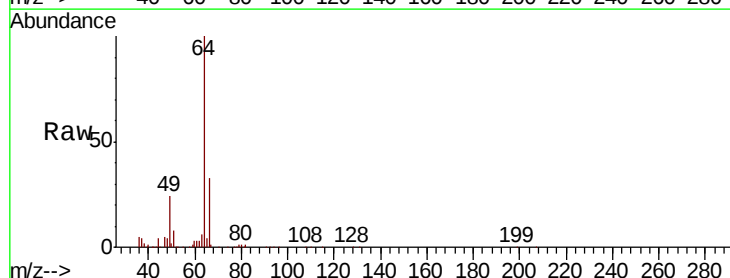
Instrument :  
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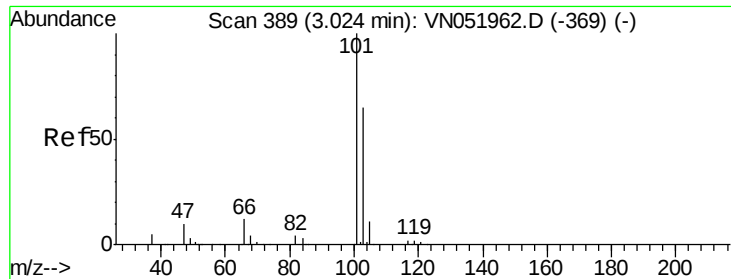
Tot Ion: 94 Resp: 438499  
Ion Ratio Lower Upper  
94 100  
96 94.1 73.0 109.6



#6  
Chloroethane  
Concen: 43.680 ug/l  
RT: 2.71 min Scan# 291  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion: 64 Resp: 313327  
Ion Ratio Lower Upper  
64 100  
66 32.6 26.2 39.2



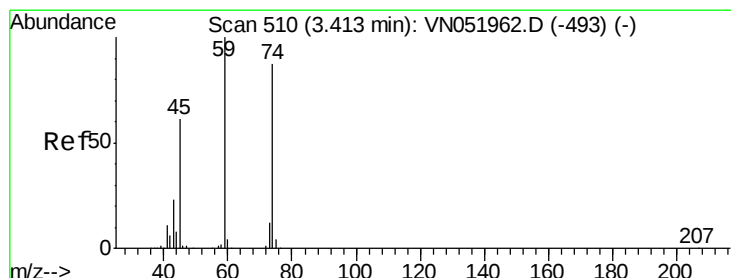
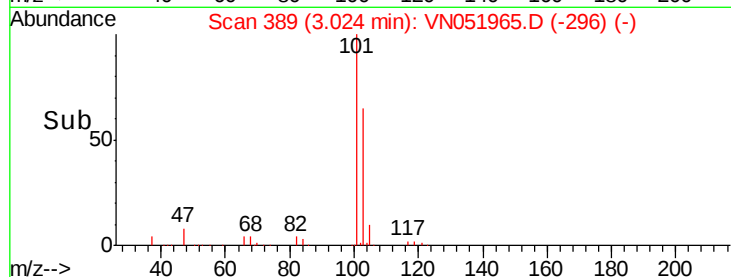
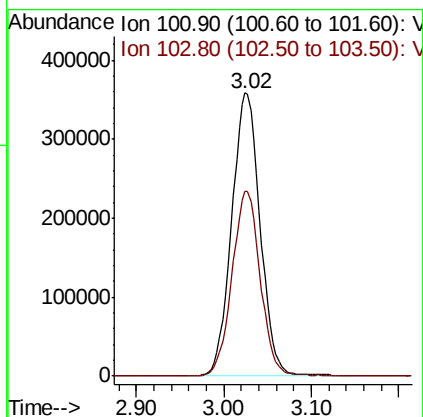
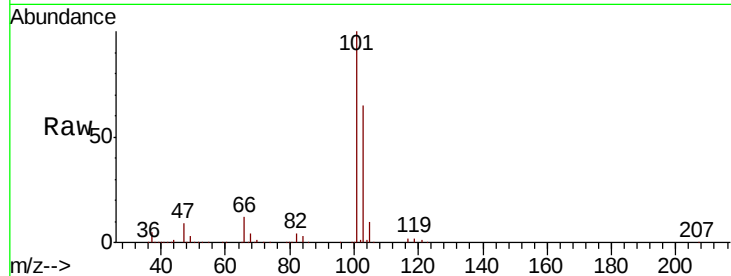


#7

Trichlorofluoromethane  
Concen: 47.021 ug/l  
RT: 3.02 min Scan# 389  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :

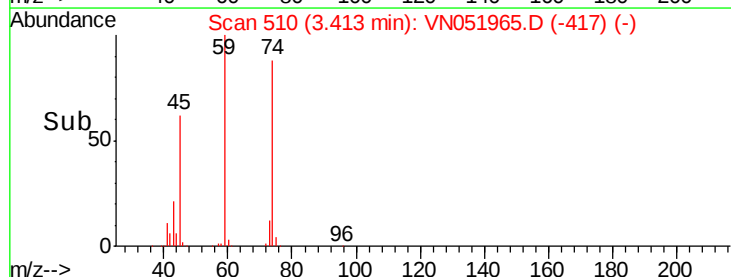
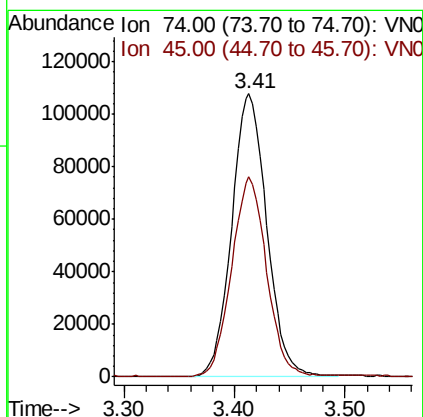
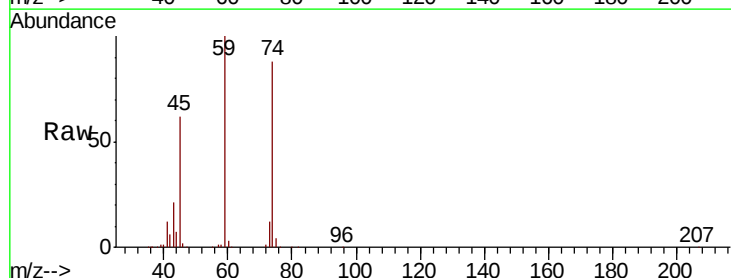
Tot Ion:101 Resp: 809522  
Ion Ratio Lower Upper  
101 100  
103 65.2 52.0 78.0

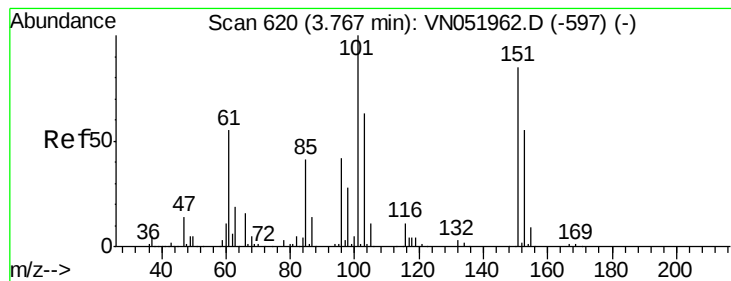


#8

Diethyl Ether  
Concen: 46.482 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion: 74 Resp: 237919  
Ion Ratio Lower Upper  
74 100  
45 69.4 35.5 106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.174 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

ClientSampleId :

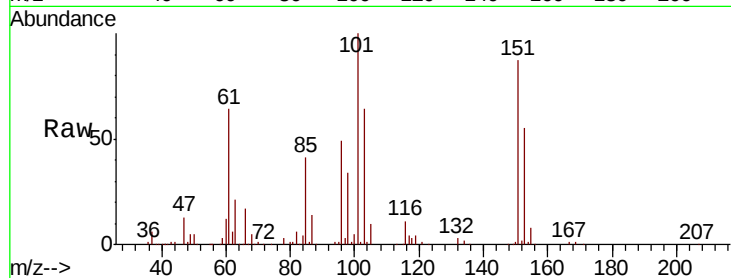
Tot Ion:101 Resp: 507138

Ion Ratio Lower Upper

101 100

85 41.4 34.2 51.4

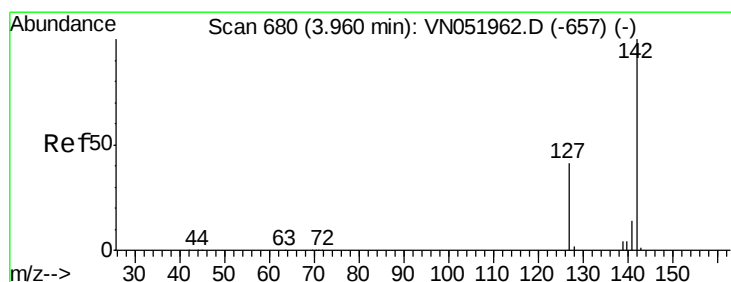
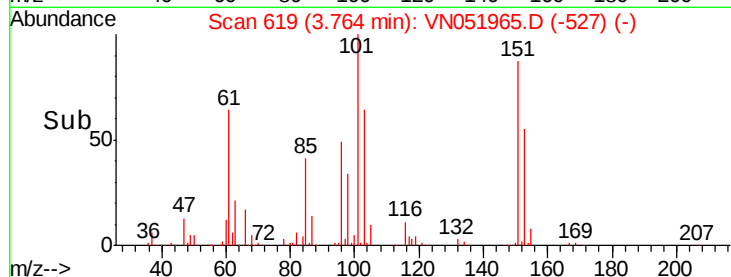
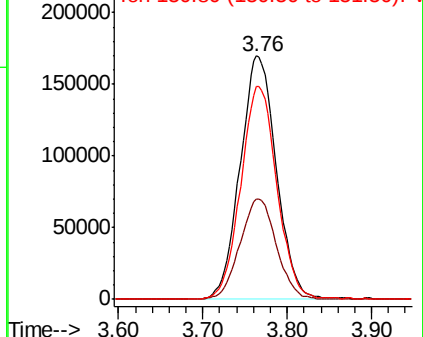
151 87.3 69.1 103.7



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: 54.161 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

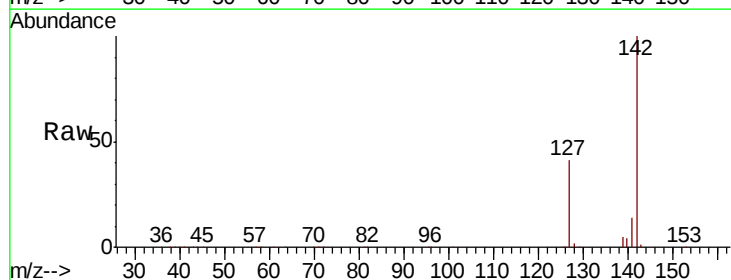
Tgt Ion:142 Resp: 788544

Ion Ratio Lower Upper

142 100

127 41.5 34.3 51.5

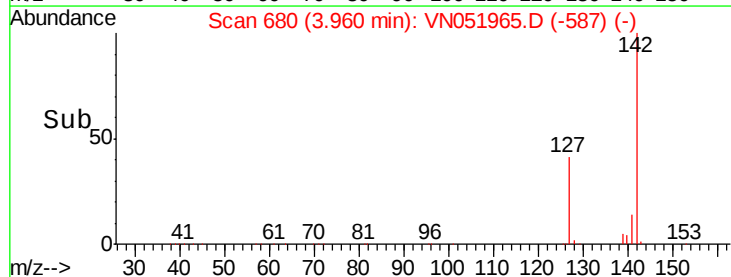
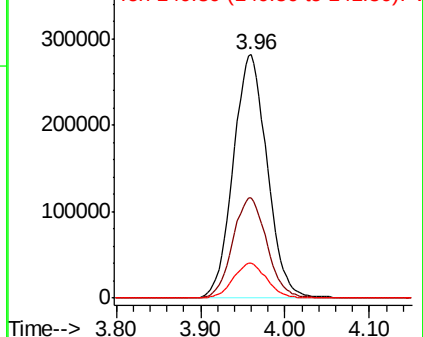
141 14.2 11.4 17.0

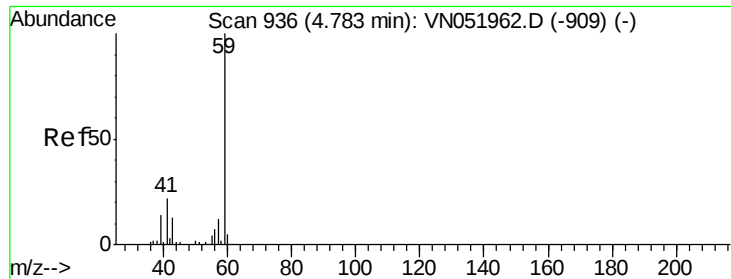


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



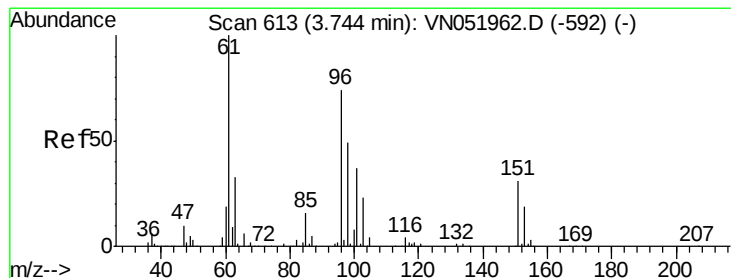
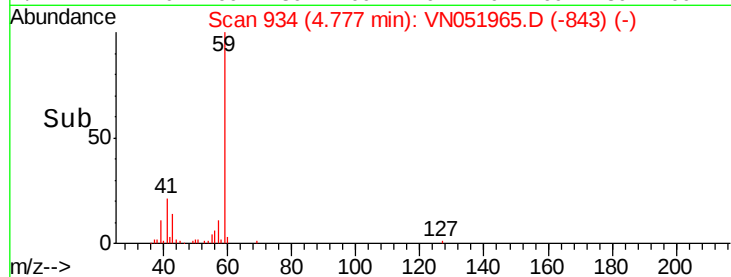
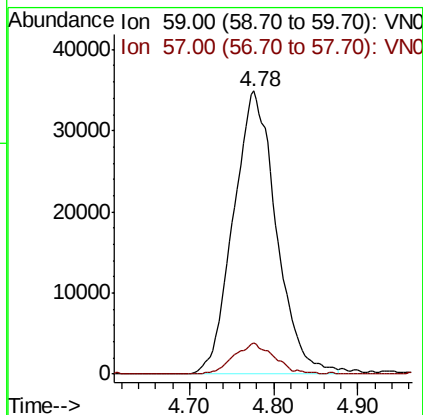
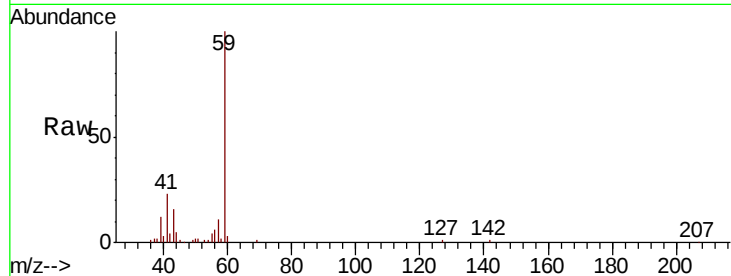


#11

Tert butyl alcohol  
 Concen: 212.317 ug/l  
 RT: 4.78 min Scan# 934  
 Delta R.T. -0.01 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :

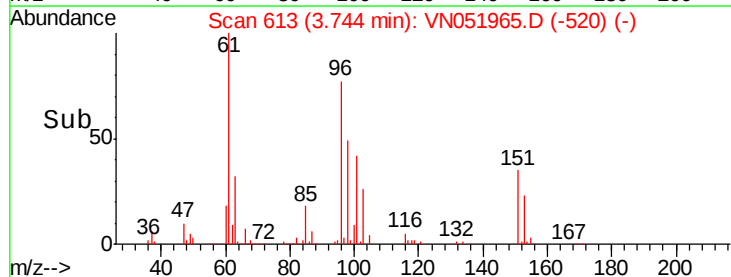
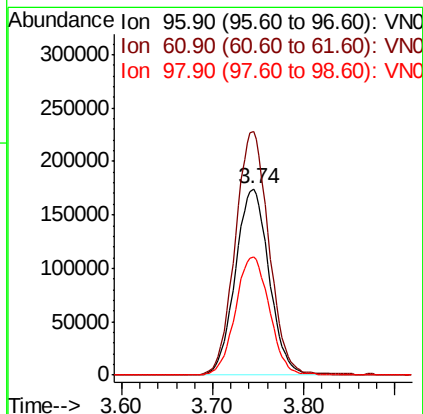
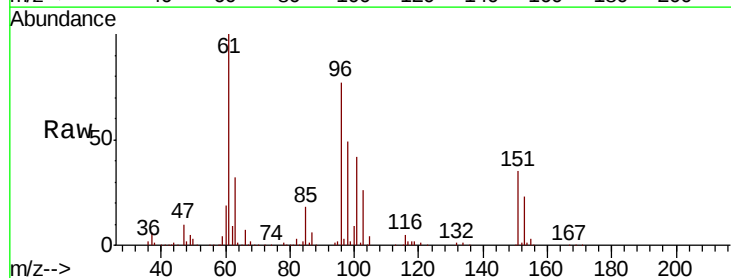
Tot Ion: 59 Resp: 123457  
 Ion Ratio Lower Upper  
 59 100  
 57 10.4 8.2 12.4

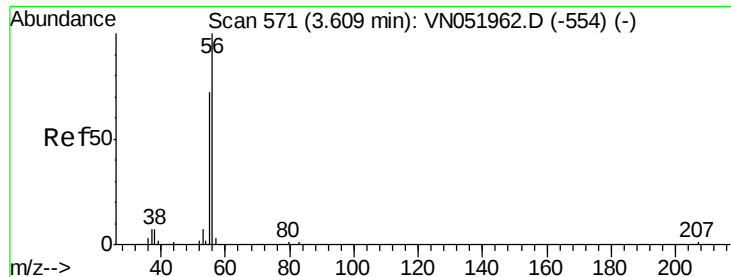


#12

1,1-Dichloroethene  
 Concen: 48.736 ug/l  
 RT: 3.74 min Scan# 613  
 Delta R.T. 0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

Tgt Ion: 96 Resp: 450127  
 Ion Ratio Lower Upper  
 96 100  
 61 130.6 107.8 161.8  
 98 63.4 52.7 79.1





#13

Acrolein

Concen: 210.538 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

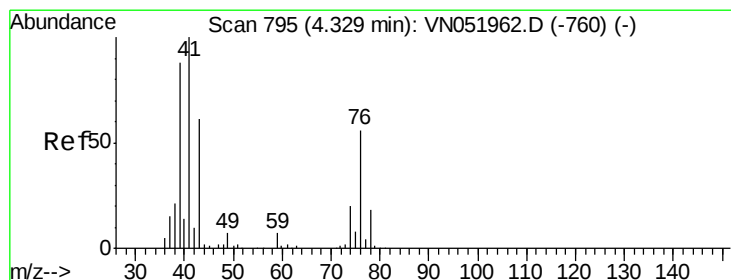
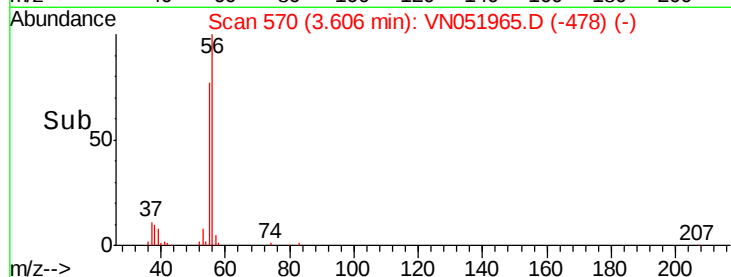
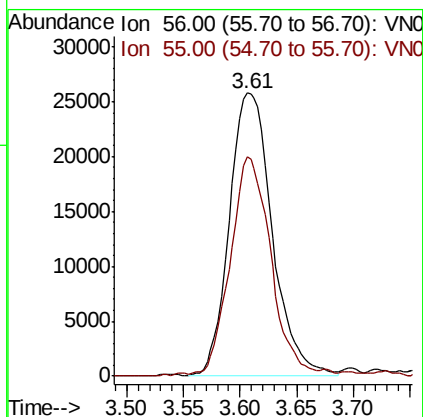
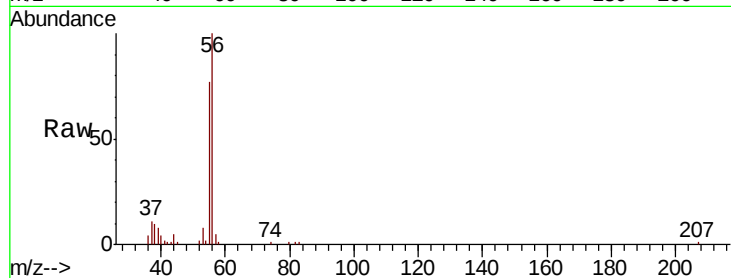
ClientSampleId :

Tot Ion: 56 Resp: 68152

Ion Ratio Lower Upper

56 100

55 70.7 56.6 84.8



#14

Allyl chloride

Concen: 43.939 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

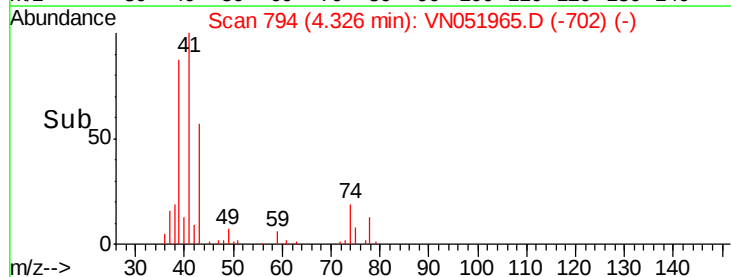
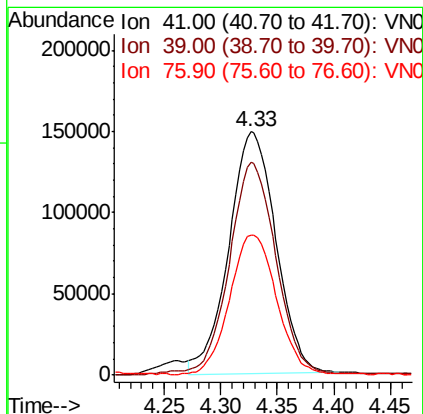
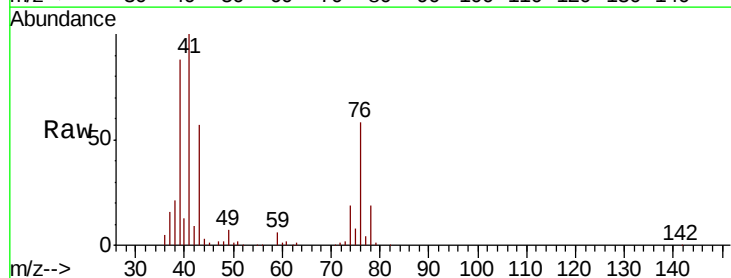
Tgt Ion: 41 Resp: 429422

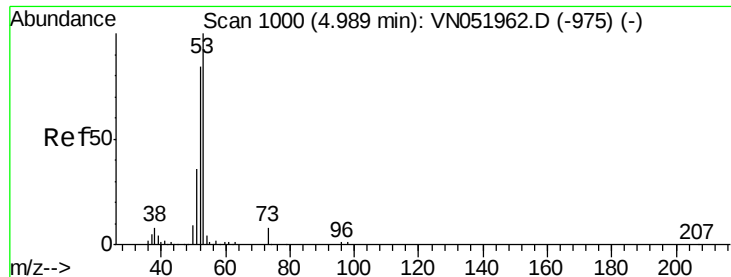
Ion Ratio Lower Upper

41 100

39 88.6 67.7 101.5

76 57.3 41.3 61.9





#15

Acrylonitrile

Concen: 226.649 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

ClientSampleId :

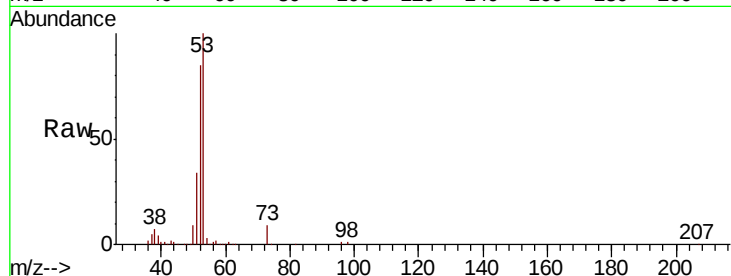
Tot Ion: 53 Resp: 556340

Ion Ratio Lower Upper

53 100

52 81.3 67.0 100.4

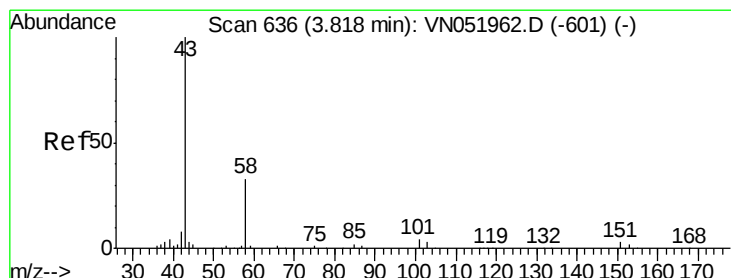
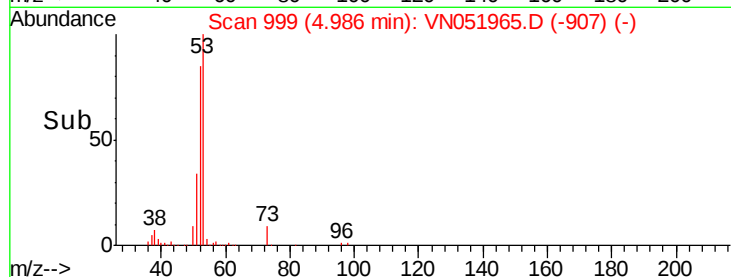
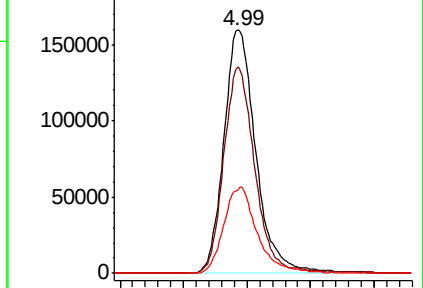
51 37.2 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN051962.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN051962.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN051962.D (-975) (-)



#16

Acetone

Concen: 207.893 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN051965.D

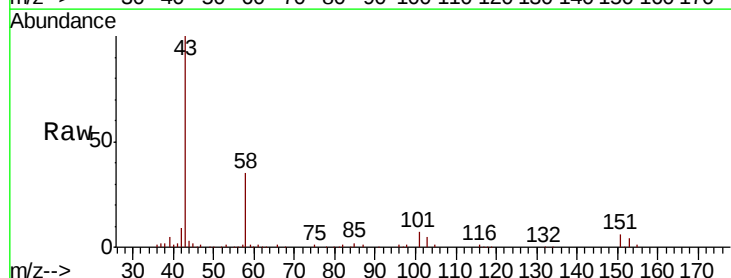
Acq: 23 Oct 2018 15:33

Tgt Ion: 43 Resp: 384842

Ion Ratio Lower Upper

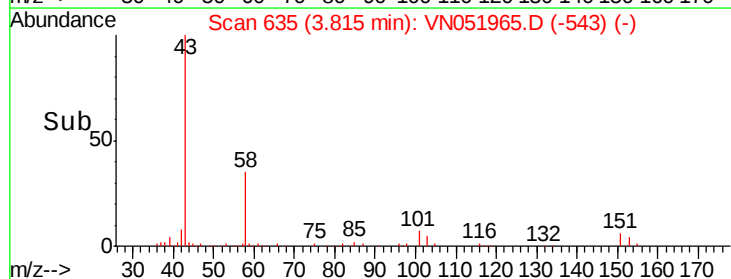
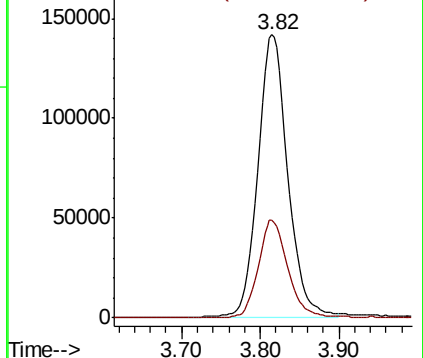
43 100

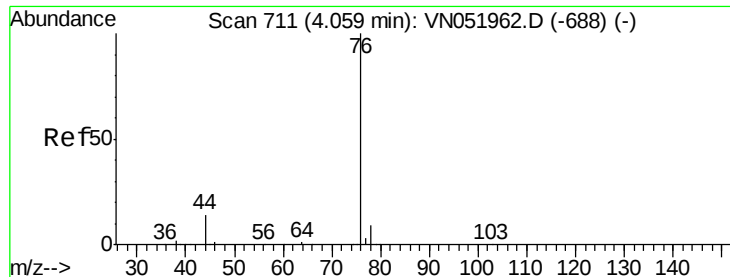
58 34.3 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-601) (-)

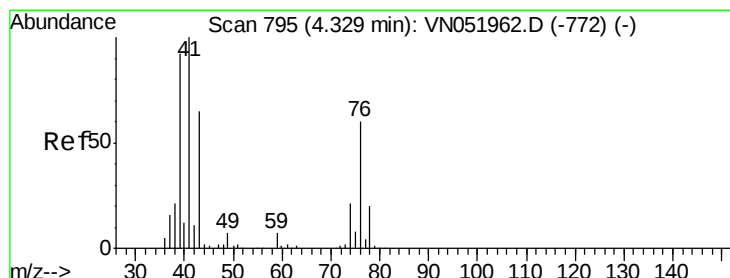
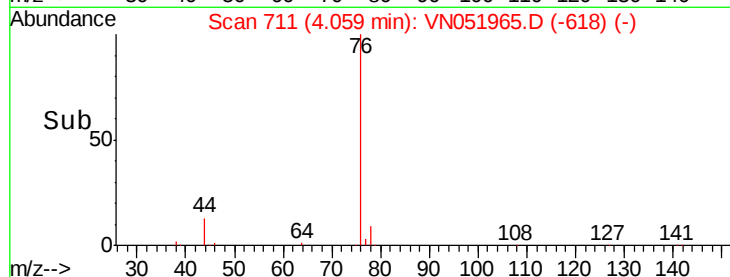
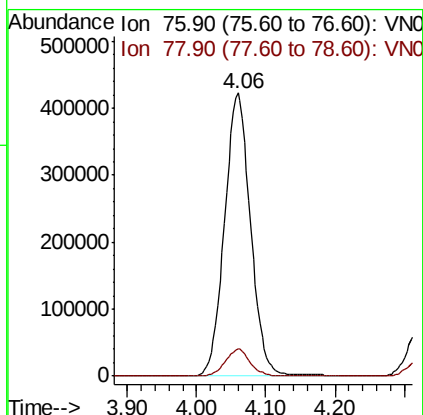
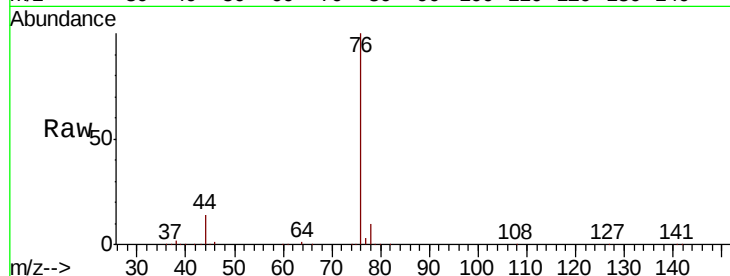




#17  
Carbon Disulfide  
Concen: 50.561 ug/l  
RT: 4.06 min Scan# 711  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

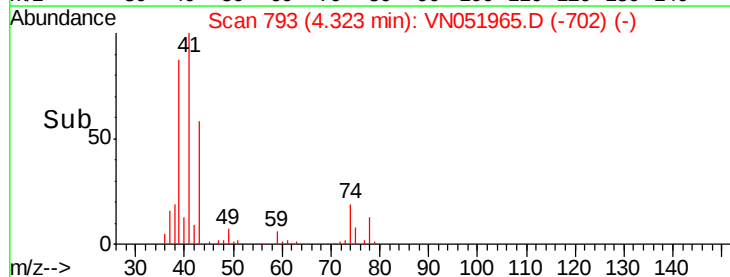
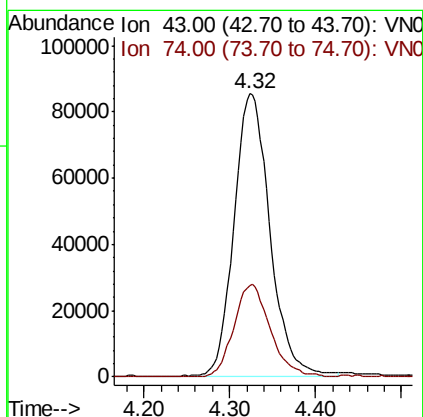
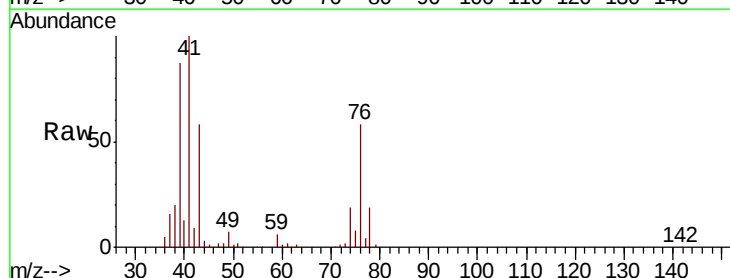
Instrument :  
MSVOA\_N  
ClientSampleId :

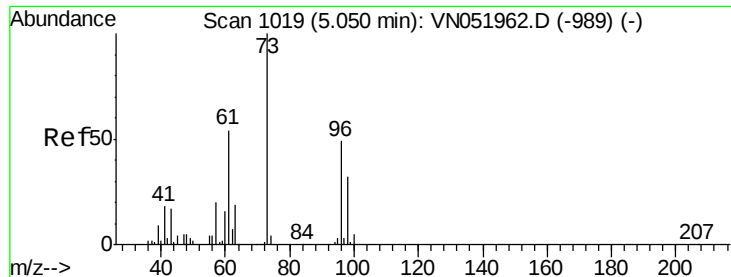
Tot Ion: 76 Resp: 1110041  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.3 10.9



#18  
Methyl Acetate  
Concen: 43.408 ug/l  
RT: 4.32 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion: 43 Resp: 245764  
Ion Ratio Lower Upper  
43 100  
74 33.5 25.7 38.5

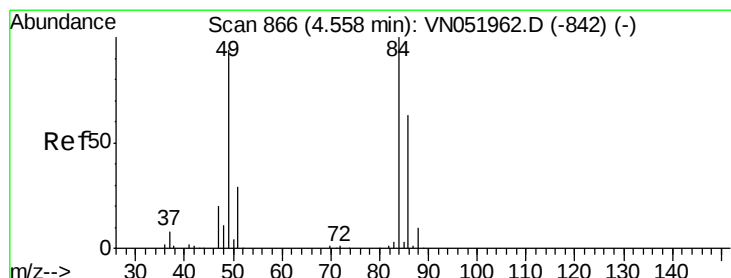
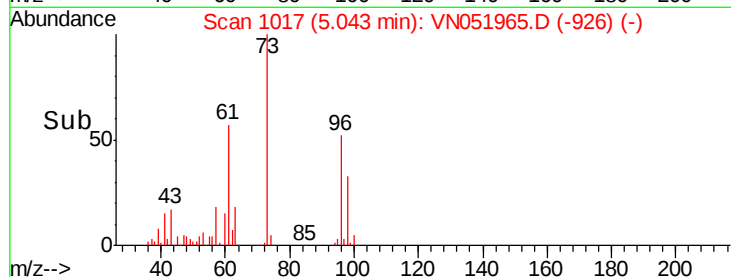
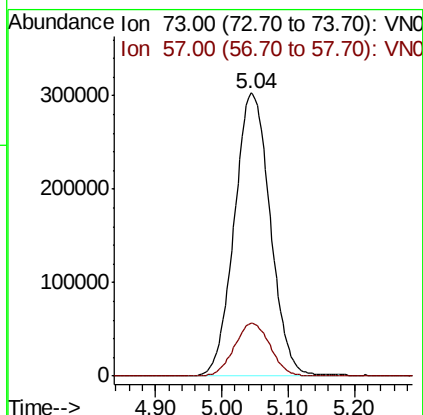
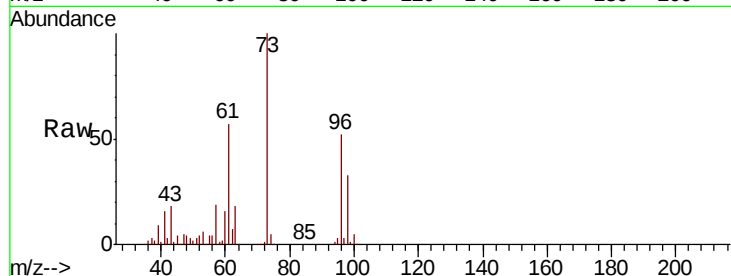




#19  
Methyl tert-butyl Ether  
Concen: 46.101 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

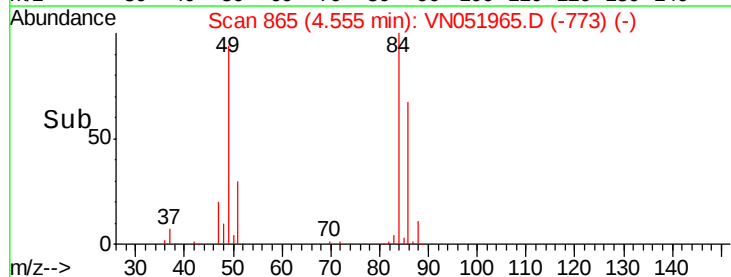
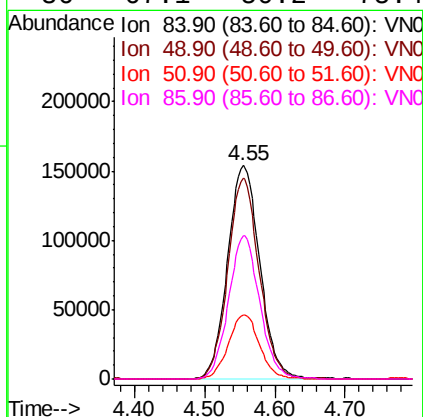
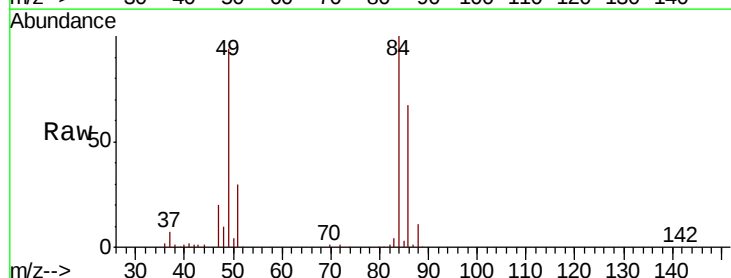
Instrument :  
MSVOA\_N  
ClientSampled :

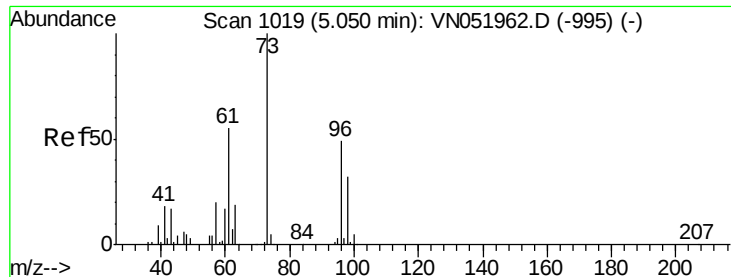
Tot Ion: 73 Resp: 1143164  
Ion Ratio Lower Upper  
73 100  
57 18.8 15.9 23.9



#20  
Methylene Chloride  
Concen: 45.296 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion: 84 Resp: 491885  
Ion Ratio Lower Upper  
84 100  
49 94.2 75.4 113.0  
51 29.7 23.1 34.7  
86 67.1 50.2 75.4

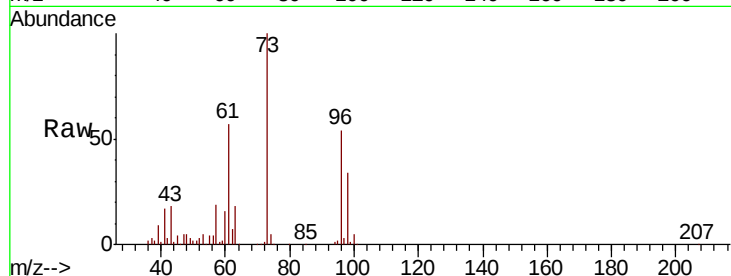




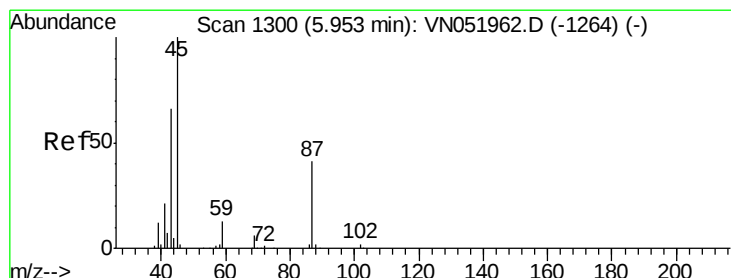
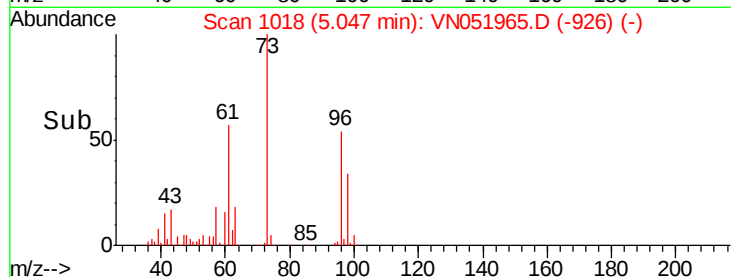
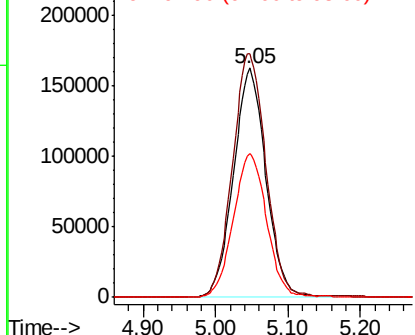
#21  
trans-1,2-Dichloroethene  
Concen: 48.539 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 96 Resp: 507713  
Ion Ratio Lower Upper  
96 100  
61 106.3 89.0 133.4  
98 62.8 51.8 77.8

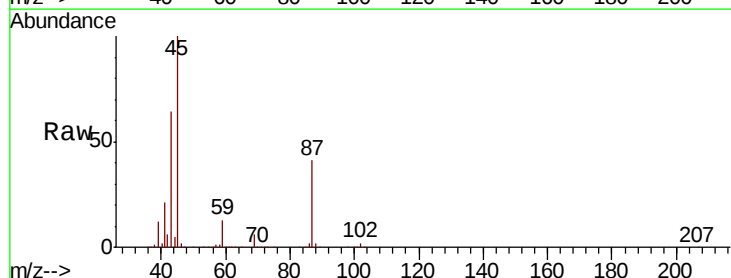


Abundance Ion 95.90 (95.60 to 96.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0

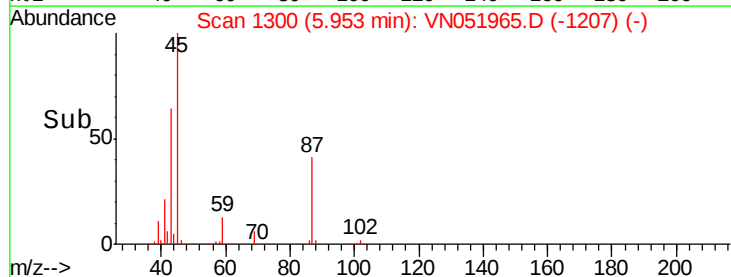
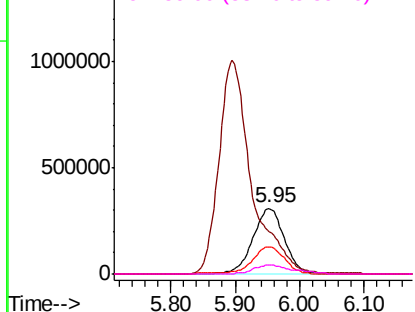


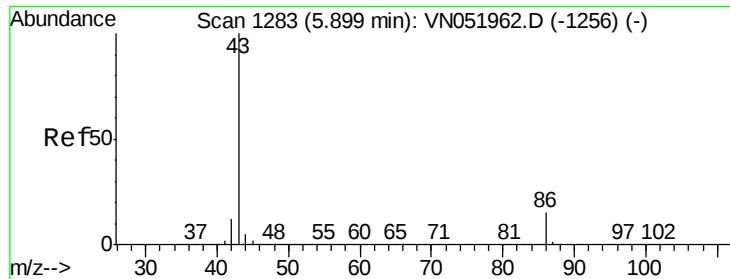
#22  
Diisopropyl ether  
Concen: 46.851 ug/l  
RT: 5.95 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion: 45 Resp: 1047583  
Ion Ratio Lower Upper  
45 100  
43 63.8 52.9 79.3  
87 40.8 33.4 50.0  
59 13.3 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

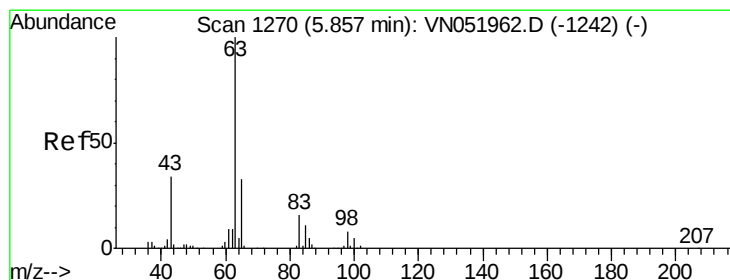
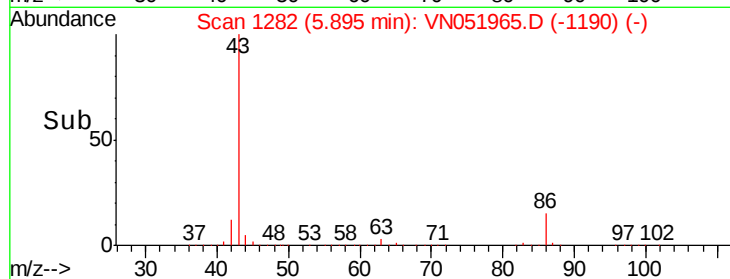
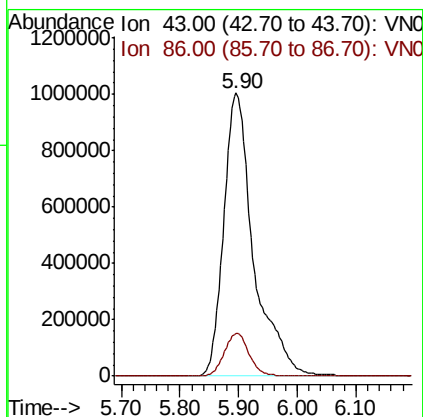
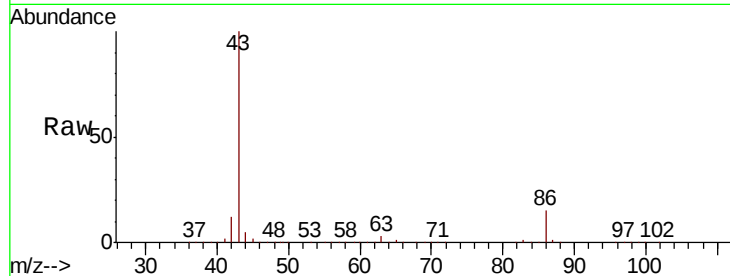




#23  
 Vinyl Acetate  
 Concen: 233.407 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. -0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

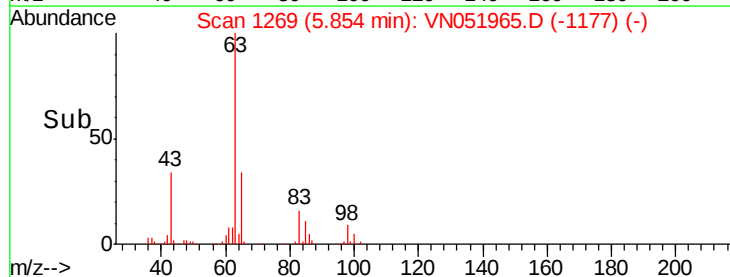
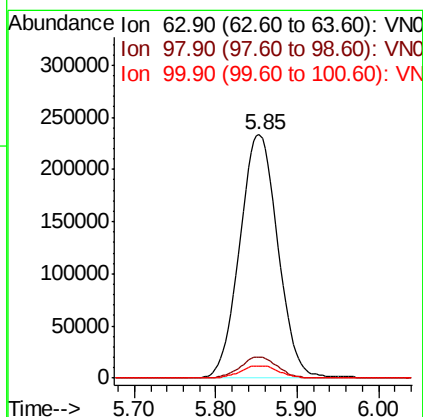
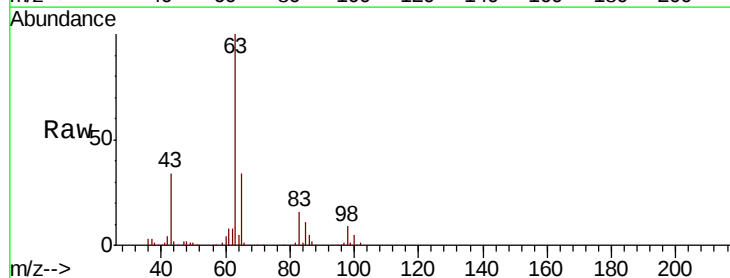
Instrument :  
 MSVOA\_N  
 ClientSampled :

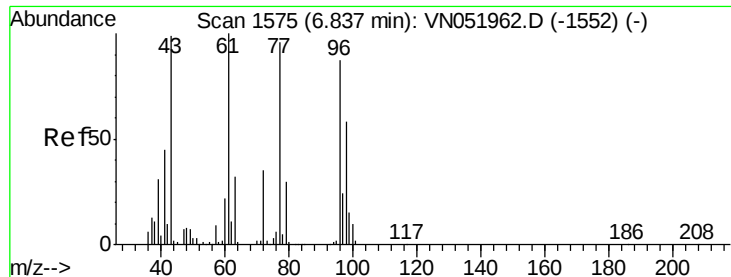
Tot Ion: 43 Resp: 3550278  
 Ion Ratio Lower Upper  
 43 100  
 86 15.2 11.9 17.9



#24  
 1,1-Dichloroethane  
 Concen: 46.232 ug/l  
 RT: 5.85 min Scan# 1269  
 Delta R.T. -0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

Tgt Ion: 63 Resp: 754712  
 Ion Ratio Lower Upper  
 63 100  
 98 8.6 3.9 11.7  
 100 5.0 2.6 8.0

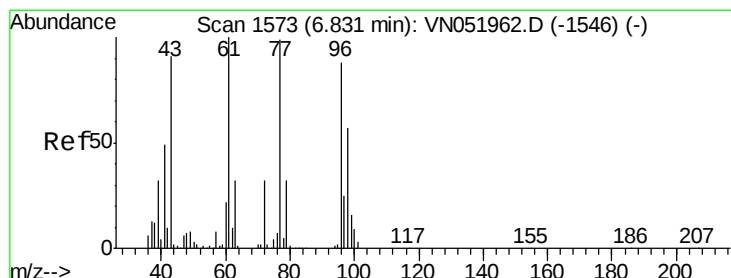
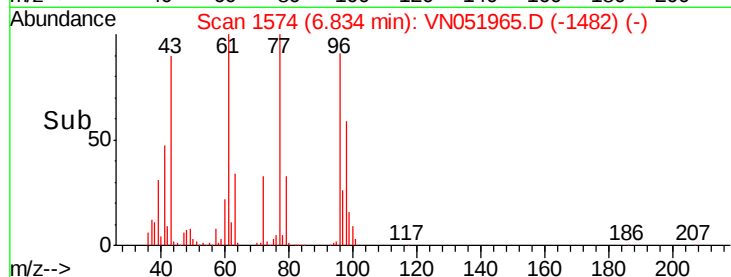
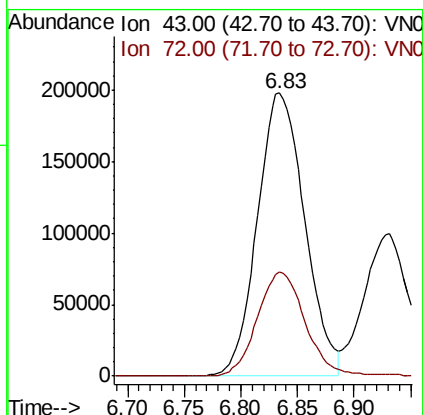
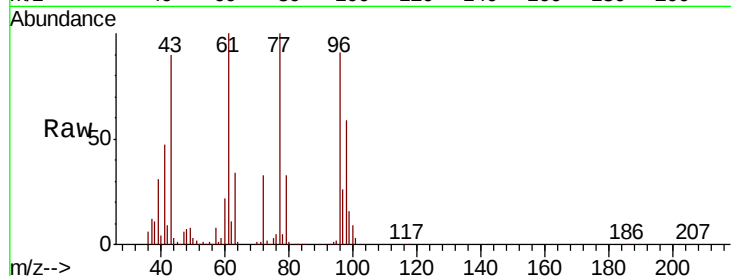




#25  
2-Butanone  
Concen: 216.991 ug/l  
RT: 6.83 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

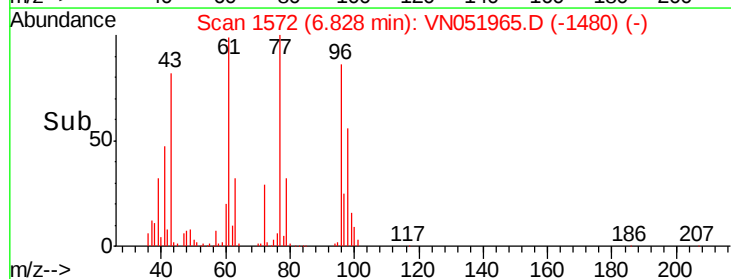
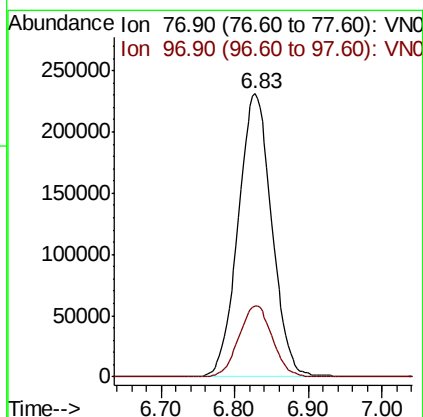
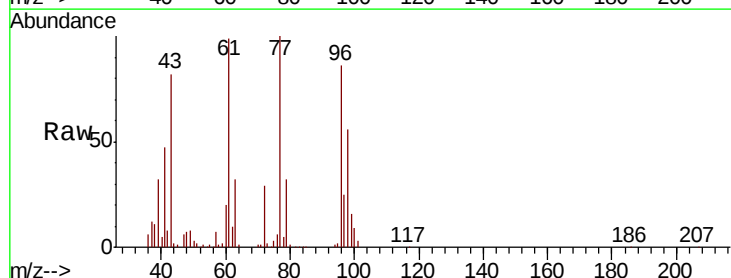
Instrument :  
MSVOA\_N  
ClientSampled :

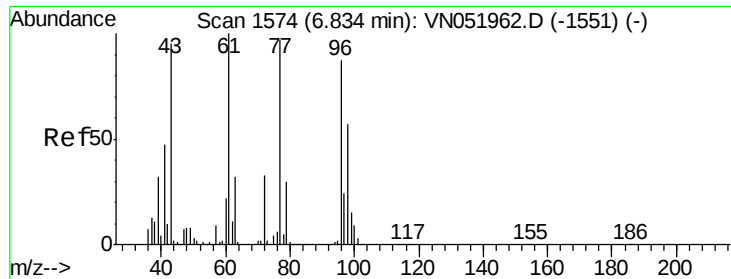
Tot Ion: 43 Resp: 572641  
Ion Ratio Lower Upper  
43 100  
72 36.7 28.5 42.7



#26  
2,2-Dichloropropane  
Concen: 49.216 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. -0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion: 77 Resp: 735072  
Ion Ratio Lower Upper  
77 100  
97 25.2 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 48.547 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

ClientSampleId :

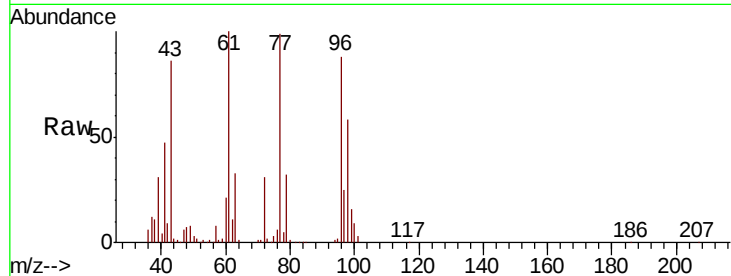
Tot Ion: 96 Resp: 593204

Ion Ratio Lower Upper

96 100

61 113.1 0.0 234.4

98 65.3 0.0 131.6

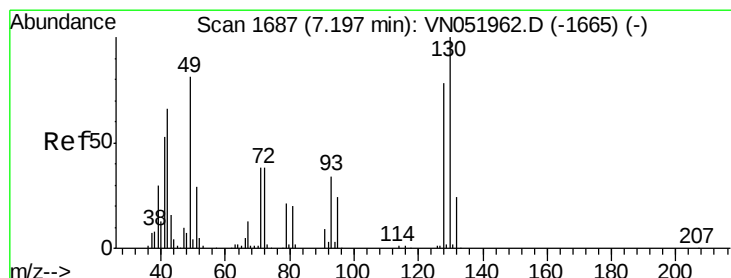
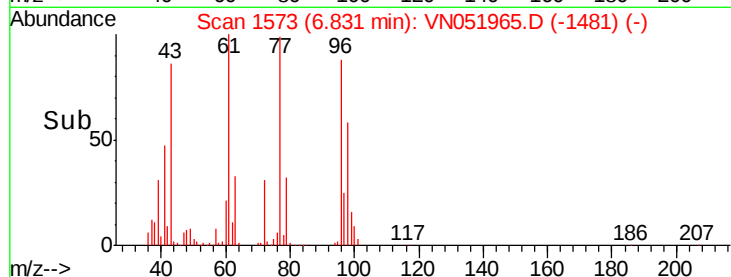
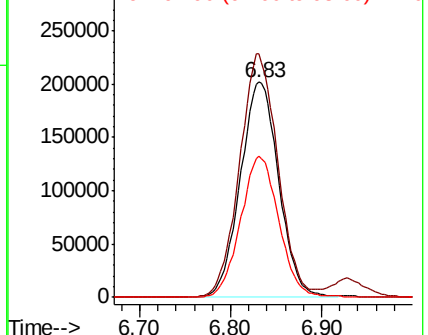


Abundance

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



#28

Bromochloromethane

Concen: 45.439 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

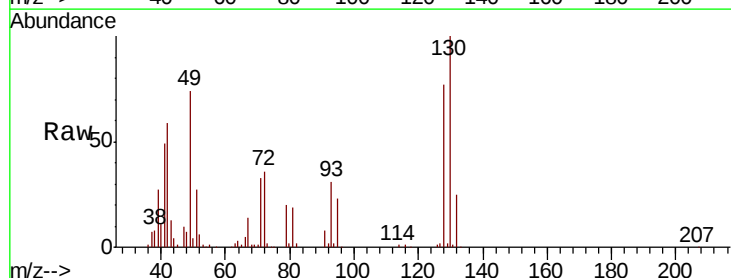
Tgt Ion: 49 Resp: 298961

Ion Ratio Lower Upper

49 100

129 3.4 0.0 5.4

130 131.5 97.0 145.6

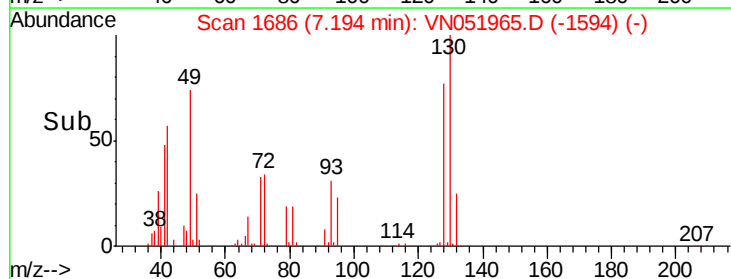
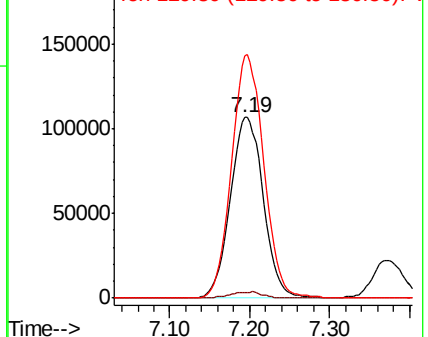


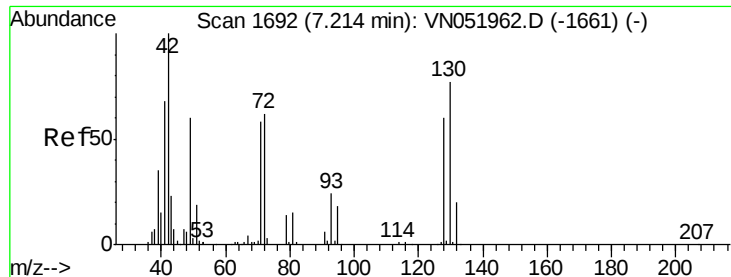
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

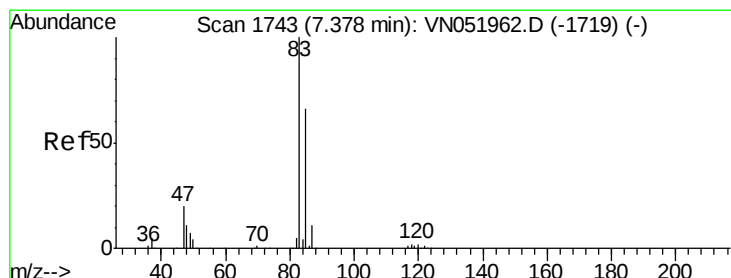
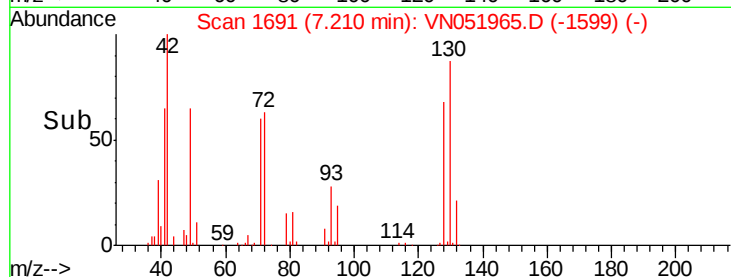
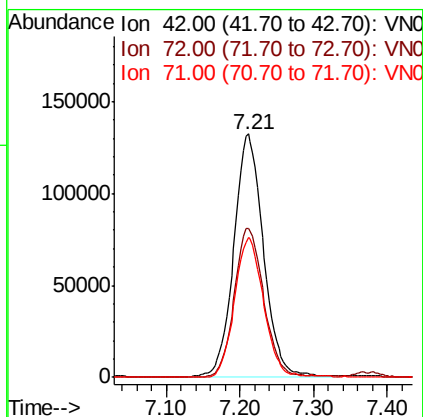
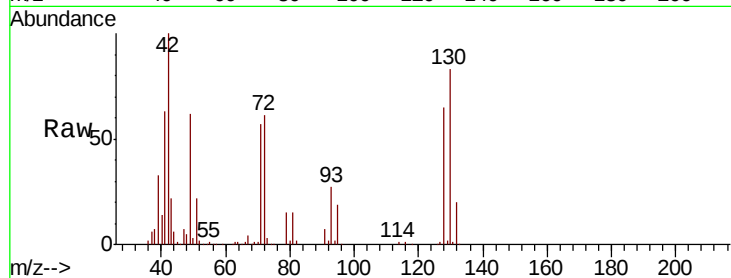




#29  
Tetrahydrofuran  
Concen: 205.698 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. -0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

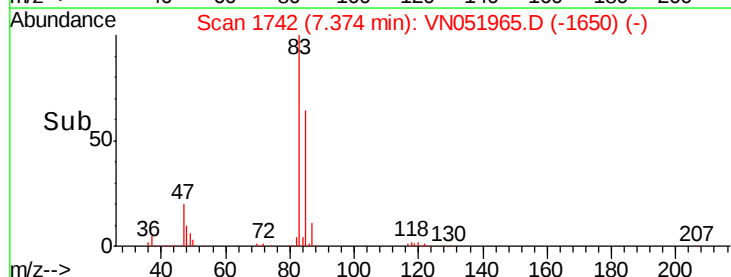
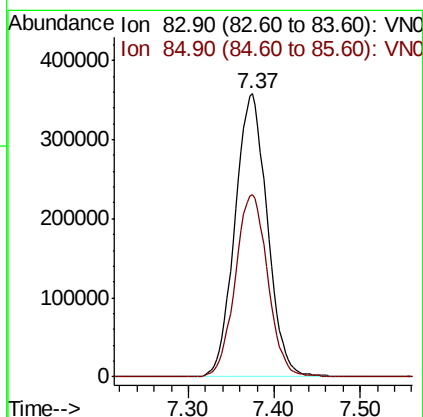
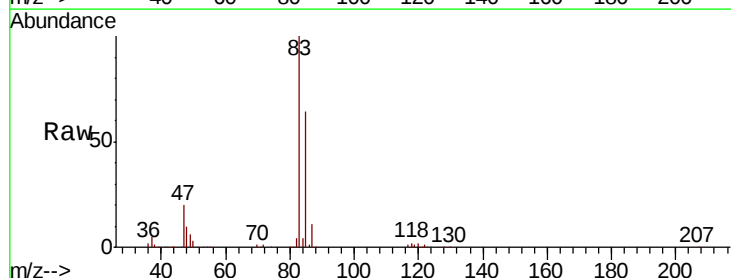
Instrument :  
MSVOA\_N  
ClientSampled :

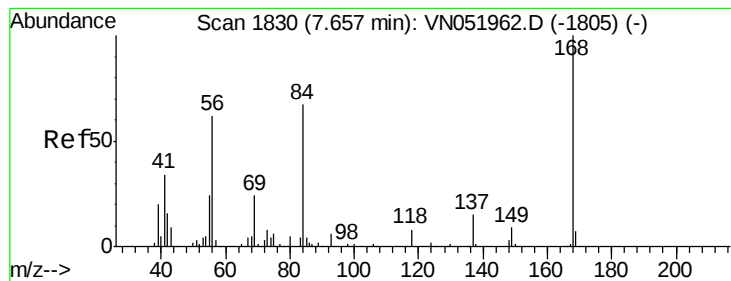
Tot Ion: 42 Resp: 367789  
Ion Ratio Lower Upper  
42 100  
72 61.7 47.5 71.3  
71 56.5 45.4 68.2



#30  
Chloroform  
Concen: 47.030 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion: 83 Resp: 937452  
Ion Ratio Lower Upper  
83 100  
85 64.5 52.8 79.2





#31

Cyclohexane

Concen: 48.986 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

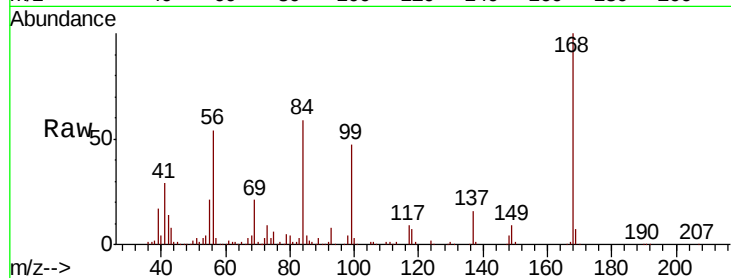
Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 56 Resp: 643057

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 38.5  | 31.2  | 46.8  |
| 84  | 109.0 | 86.3  | 129.5 |

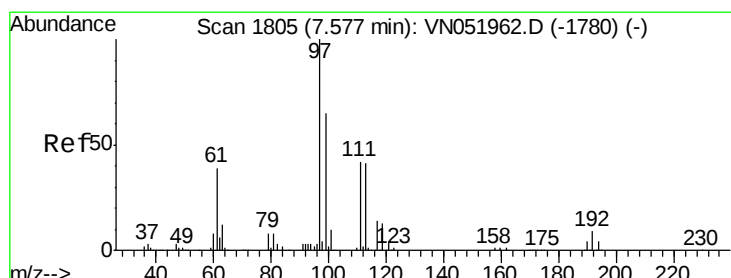
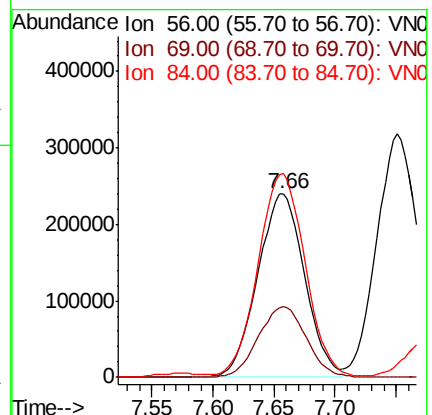
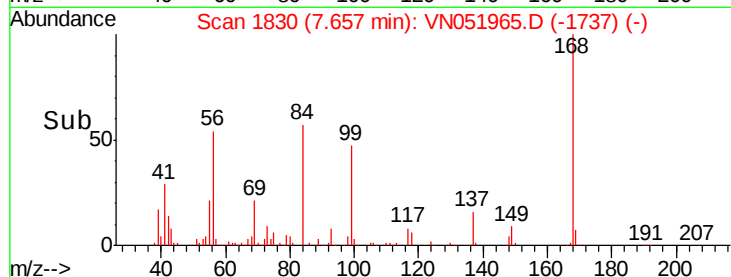


Abundance

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: 48.382 ug/l

RT: 7.57 min Scan# 1804

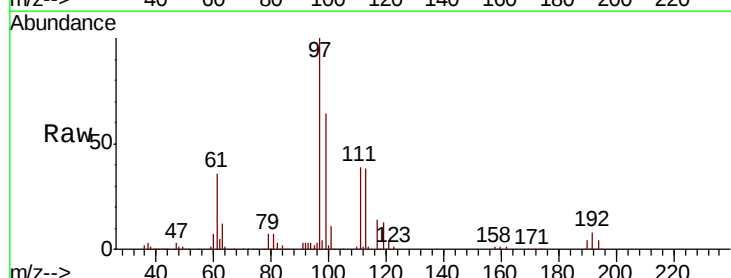
Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Tgt Ion: 97 Resp: 881888

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.2  | 51.5  | 77.3  |
| 61  | 35.8  | 30.1  | 45.1  |

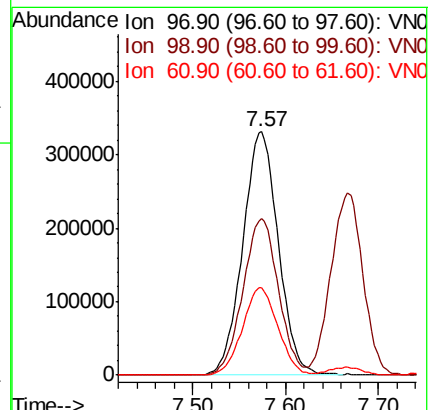
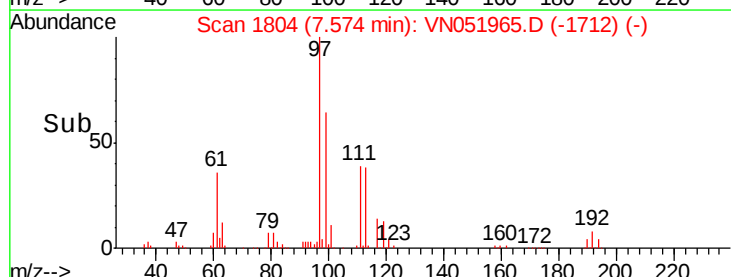


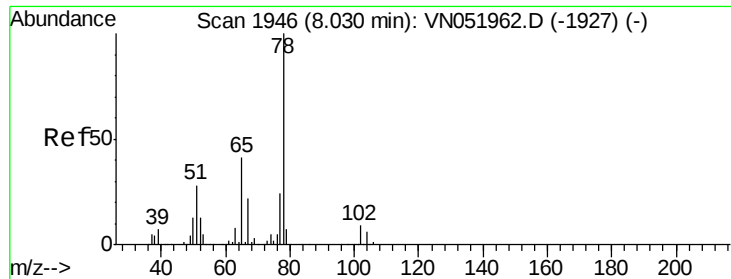
Abundance

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

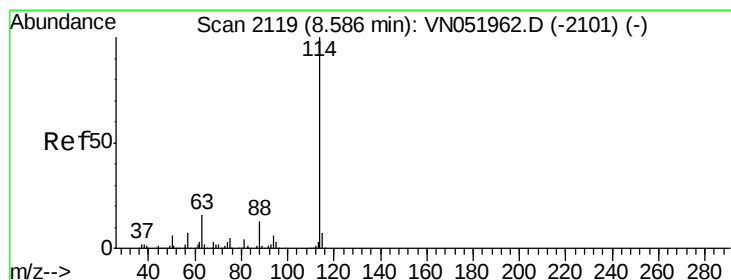
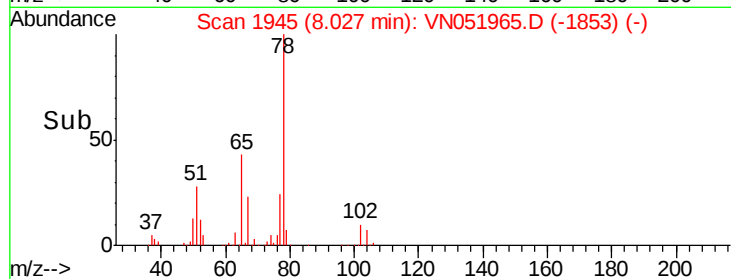
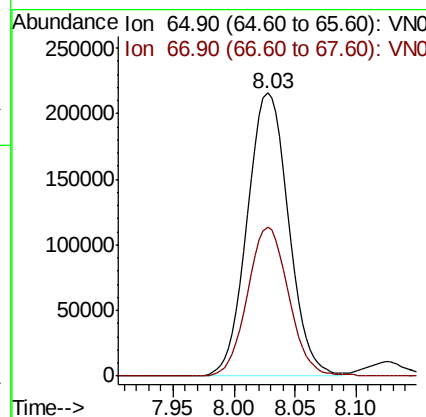
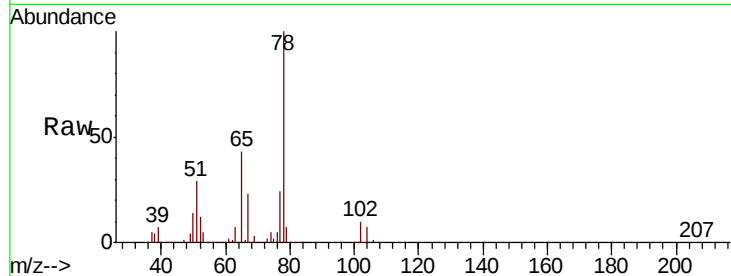




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.382 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

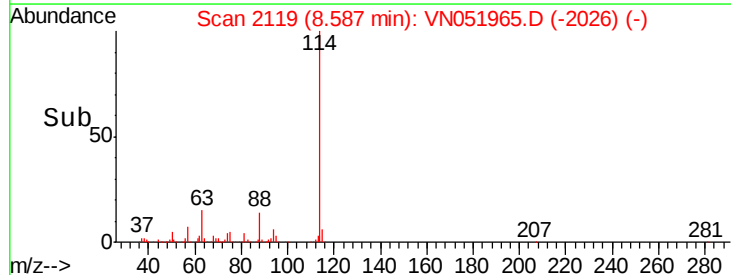
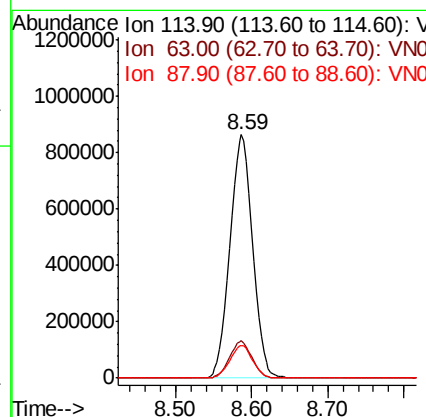
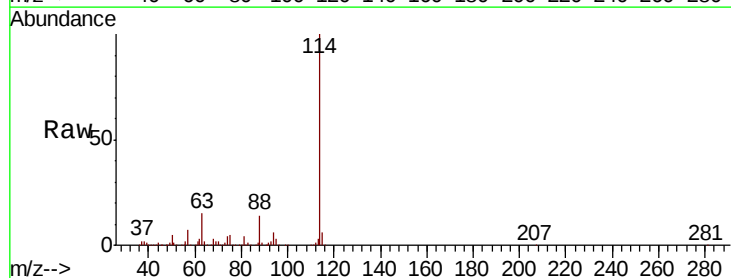
Instrument :  
 MSVOA\_N  
 ClientSampleId :

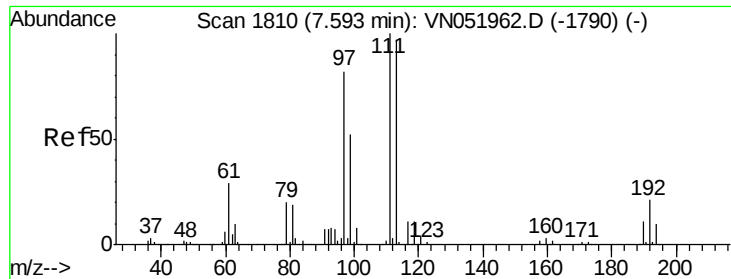
Tot Ion: 65 Resp: 506324  
 Ion Ratio Lower Upper  
 65 100  
 67 52.4 0.0 105.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

Tgt Ion: 114 Resp: 1800071  
 Ion Ratio Lower Upper  
 114 100  
 63 15.2 0.0 31.2  
 88 13.6 0.0 27.0

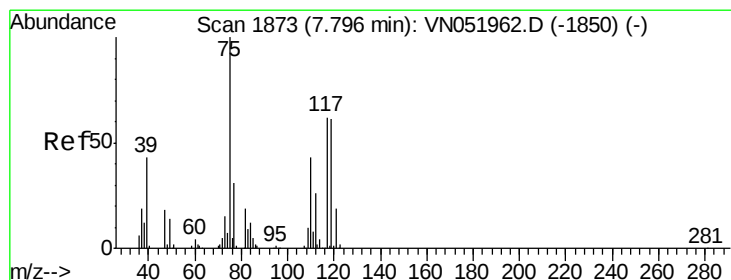
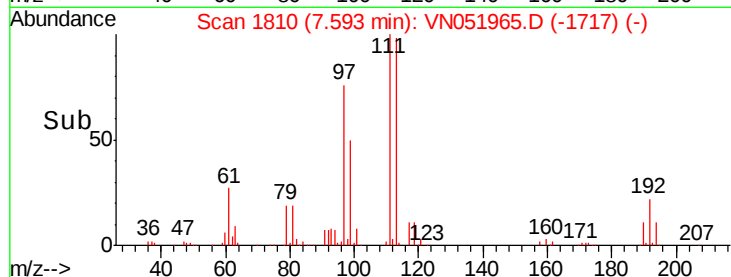
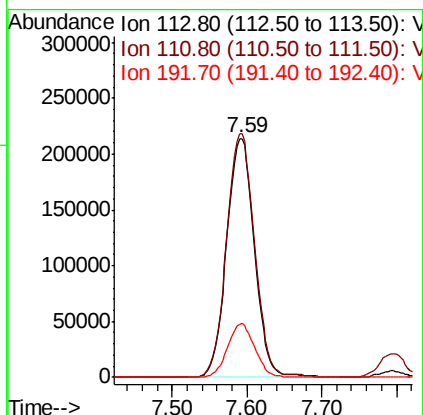
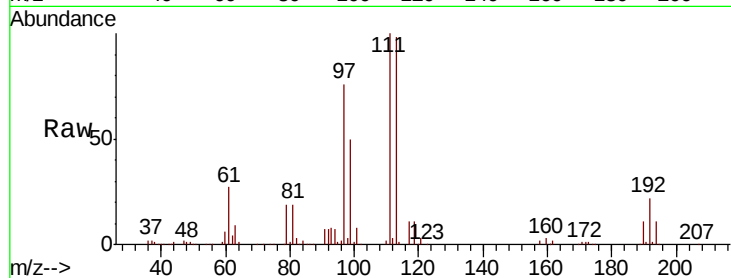




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

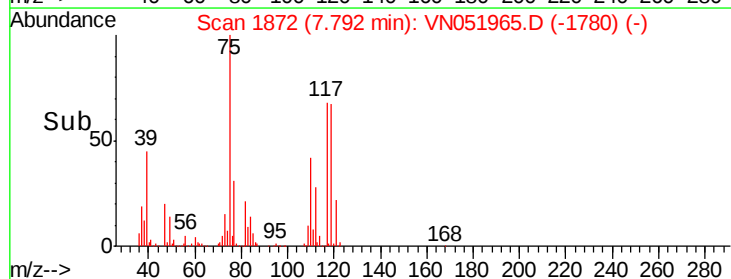
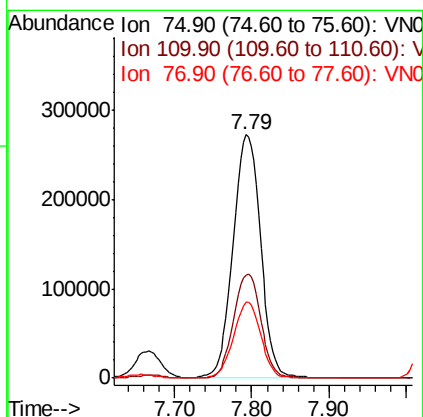
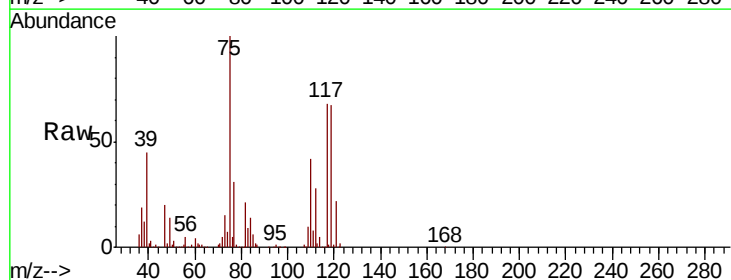
Instrument :  
 MSVOA\_N  
 ClientSampled :

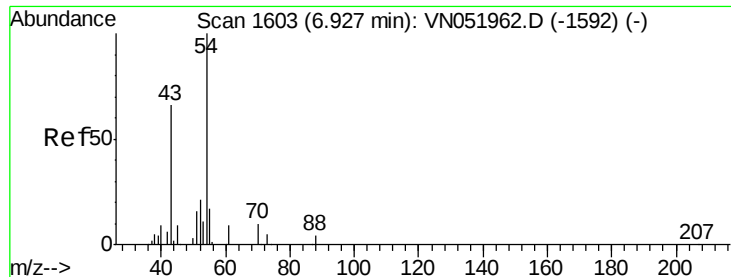
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 80.7  | 121.1 |
| 192     | 22.0  | 17.2  | 25.8  |



#36  
 1,1-Dichloropropene  
 Concen: 48.556 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. -0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 42.7  | 20.9  | 62.8  |
| 77      | 31.3  | 24.9  | 37.3  |

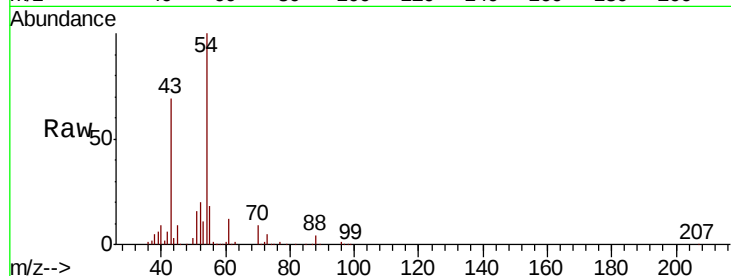




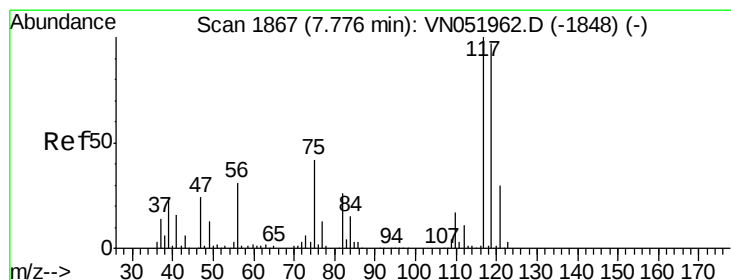
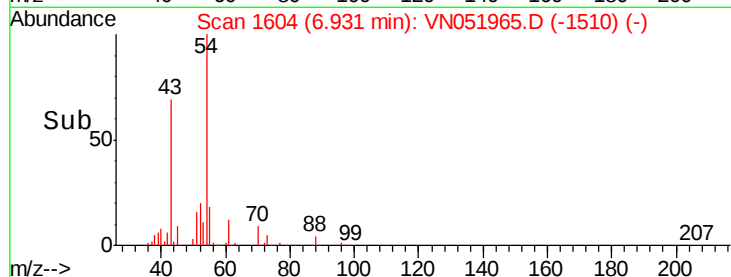
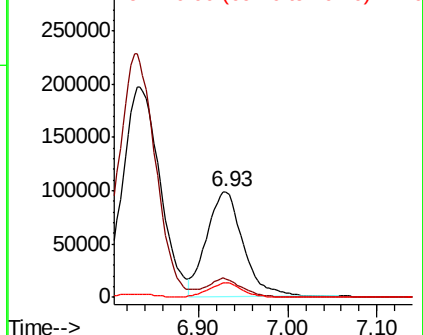
#37  
Ethyl Acetate  
Concen: 45.121 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 279528  
Ion Ratio Lower Upper  
43 100  
61 16.3 13.5 20.3  
70 12.3 9.8 14.6

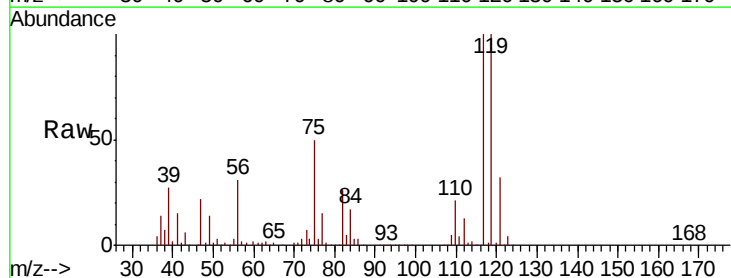


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

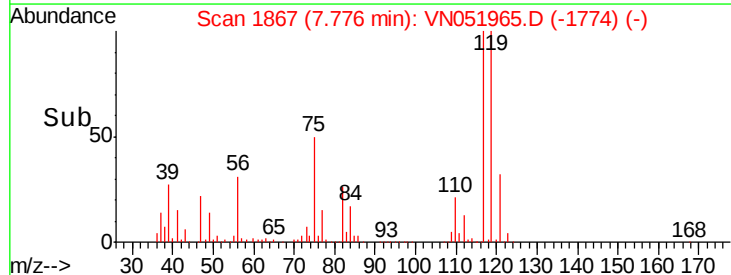
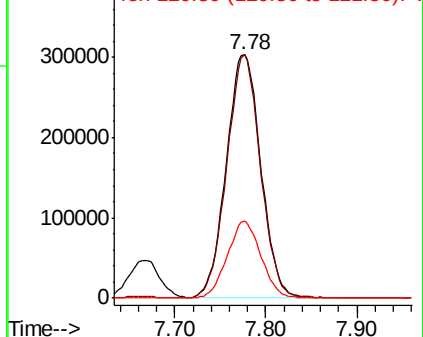


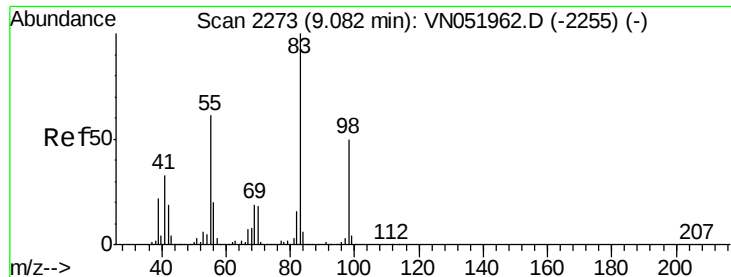
#38  
Carbon Tetrachloride  
Concen: 50.272 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion: 117 Resp: 796918  
Ion Ratio Lower Upper  
117 100  
119 100.0 77.4 116.0  
121 31.8 24.2 36.4



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

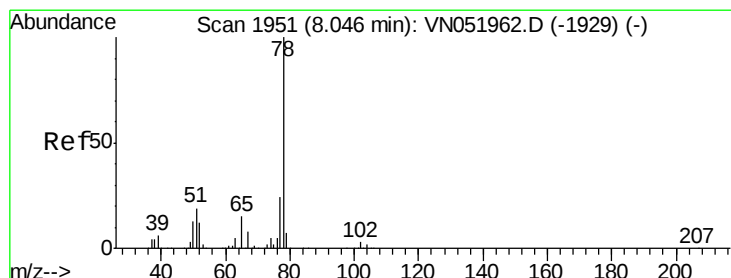
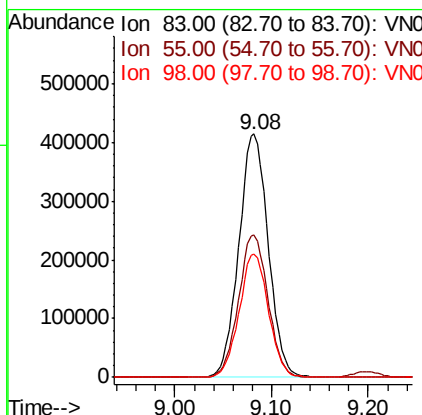
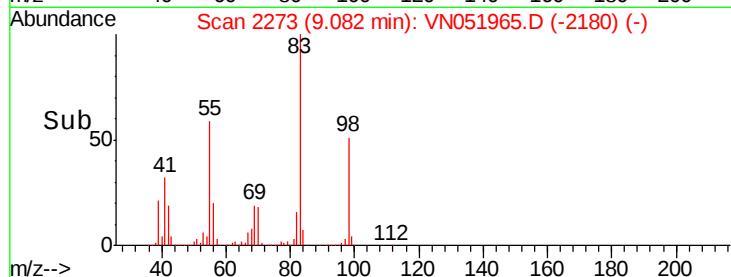
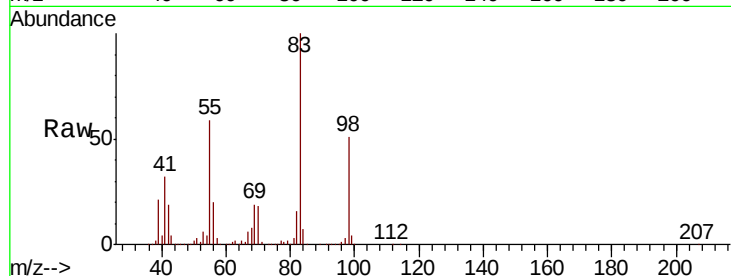




#39  
Methvlcvclohexane  
Concen: 51.965 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

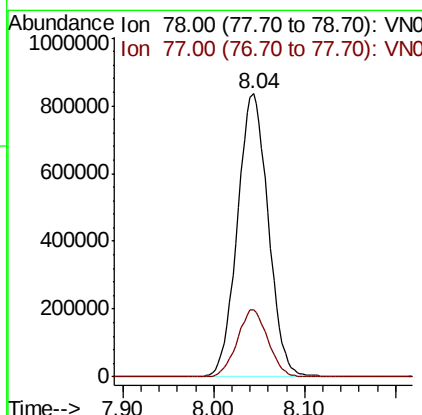
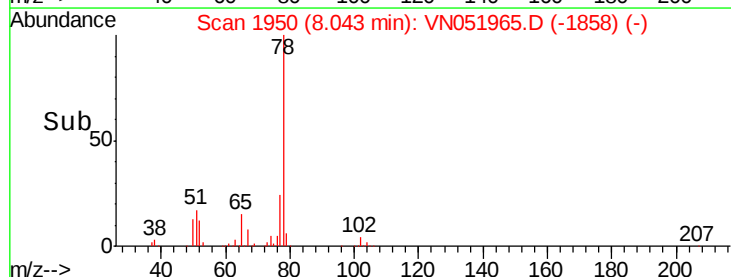
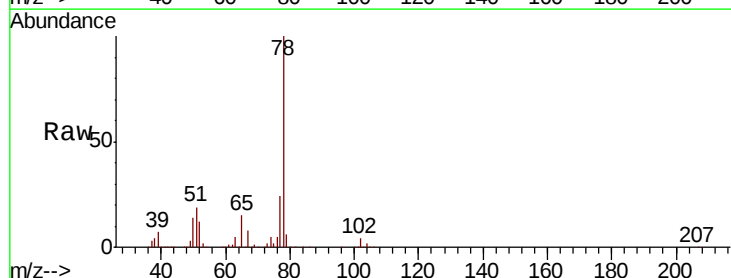
Instrument :  
MSVOA\_N  
ClientSampled :

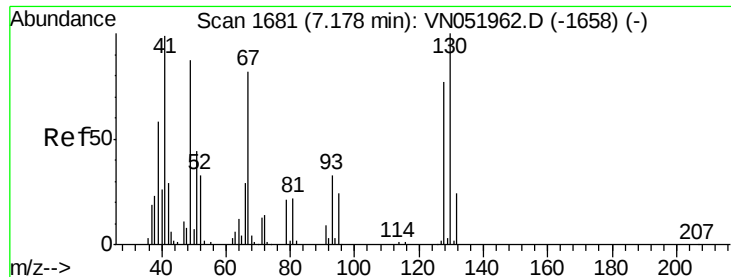
Tot Ion: 83 Resp: 876397  
Ion Ratio Lower Upper  
83 100  
55 58.6 48.9 73.3  
98 50.8 40.2 60.2



#40  
Benzene  
Concen: 48.000 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. -0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion: 78 Resp: 1967912  
Ion Ratio Lower Upper  
78 100  
77 23.9 19.4 29.0





#41

Methacrylonitrile

Concen: 121.360 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. 0.03 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

ClientSampled :

Tot Ion: 41 Resp: 376561

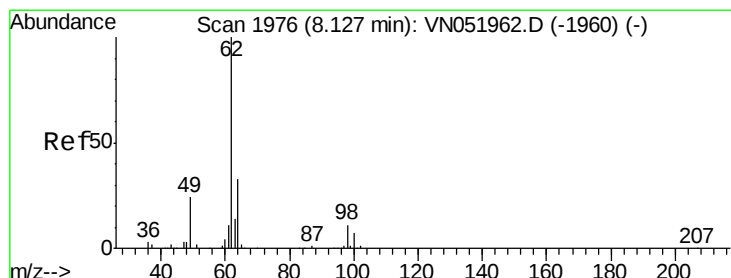
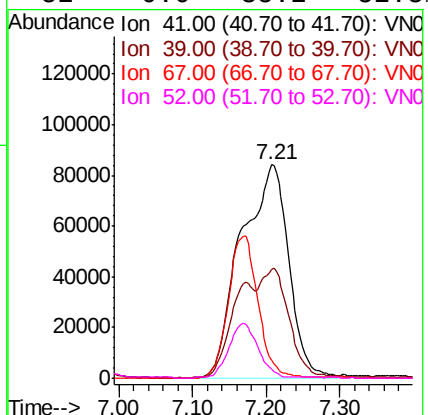
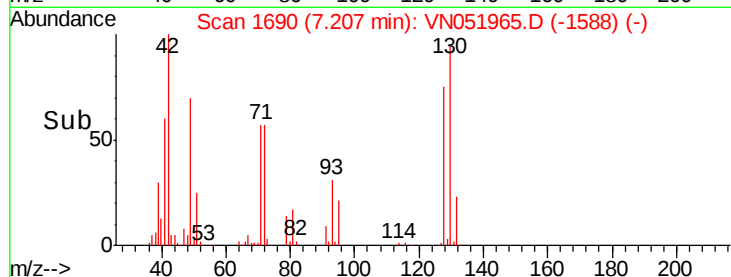
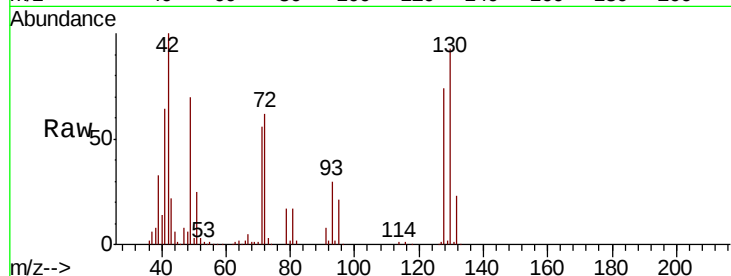
Ion Ratio Lower Upper

41 100

39 0.0 53.1 79.7#

67 0.0 93.8 140.6#

52 0.0 35.2 52.8#



#42

1,2-Dichloroethane

Concen: 46.439 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN051965.D

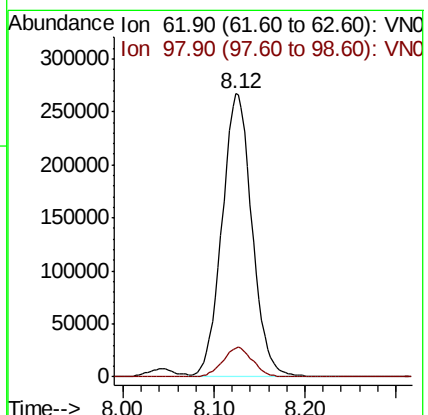
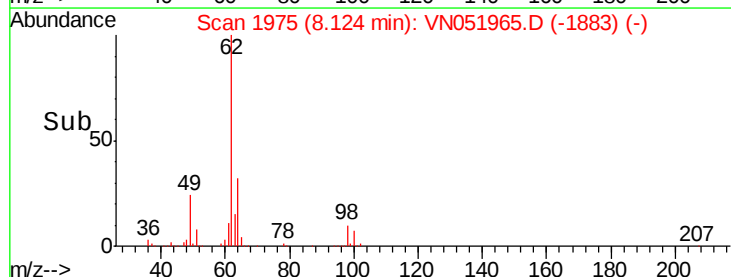
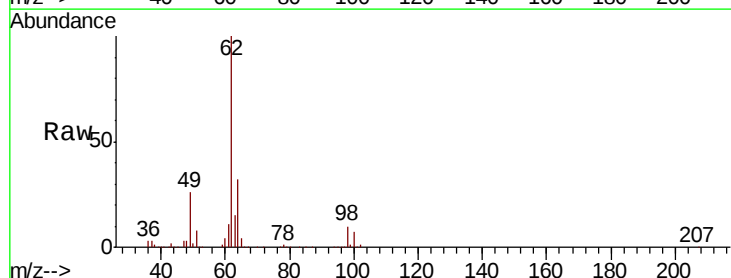
Acq: 23 Oct 2018 15:33

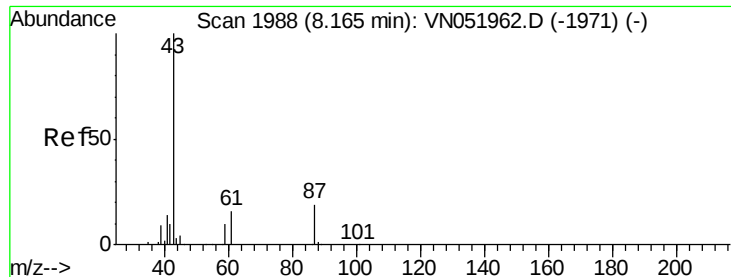
Tgt Ion: 62 Resp: 610443

Ion Ratio Lower Upper

62 100

98 10.5 0.0 20.6

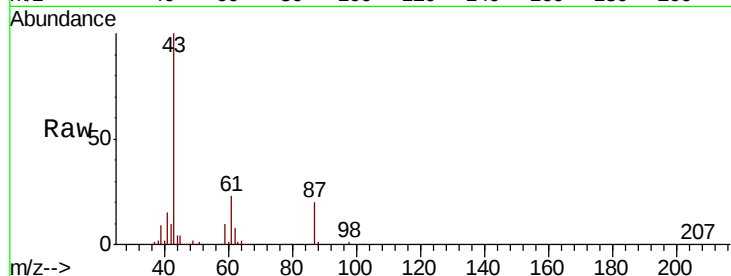




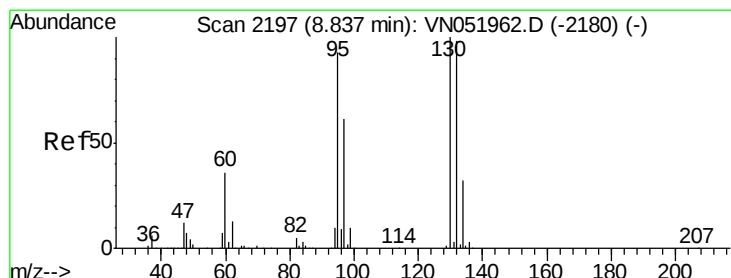
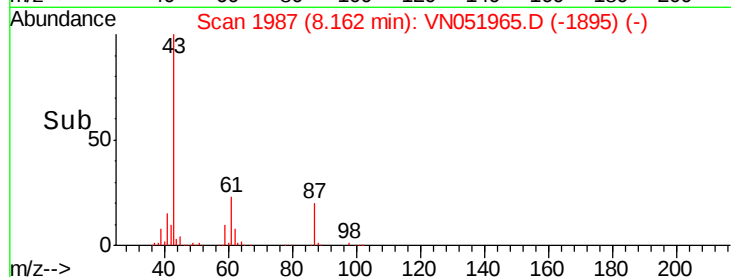
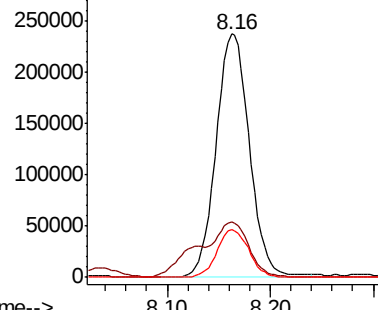
#43  
Isopropyl Acetate  
Concen: 45.709 ug/l  
RT: 8.16 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 528574  
Ion Ratio Lower Upper  
43 100  
61 21.1 17.2 25.8  
87 18.9 15.2 22.8

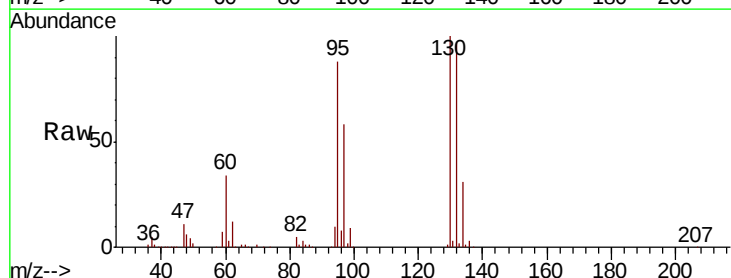


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 61.00 (60.70 to 61.70): VN0  
Ion 87.00 (86.70 to 87.70): VN0

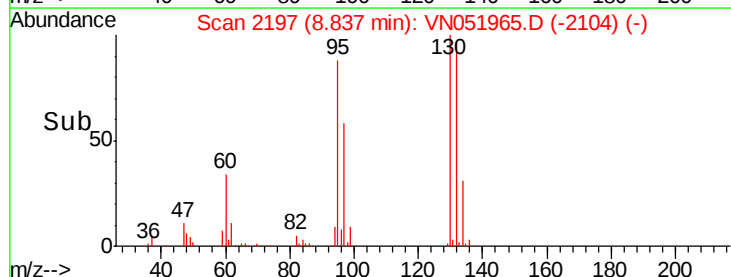
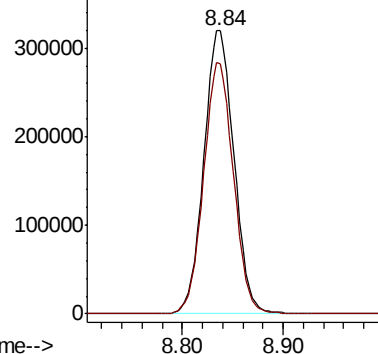


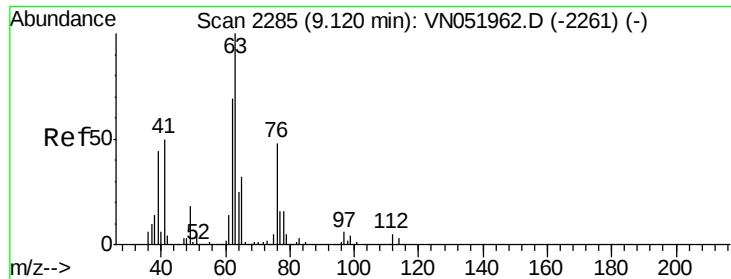
#44  
Trichloroethene  
Concen: 50.344 ug/l  
RT: 8.84 min Scan# 2197  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion:130 Resp: 662505  
Ion Ratio Lower Upper  
130 100  
95 88.4 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V  
Ion 94.90 (94.60 to 95.60): VN0

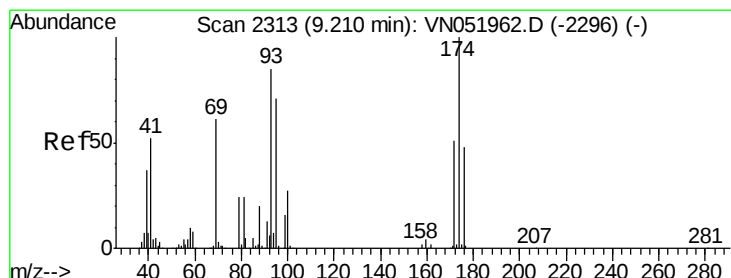
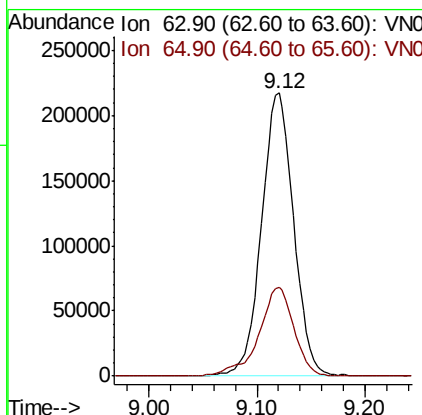
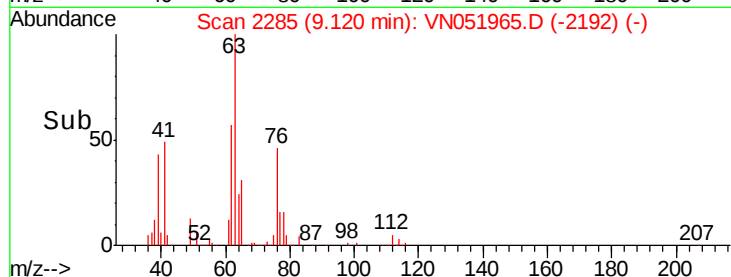
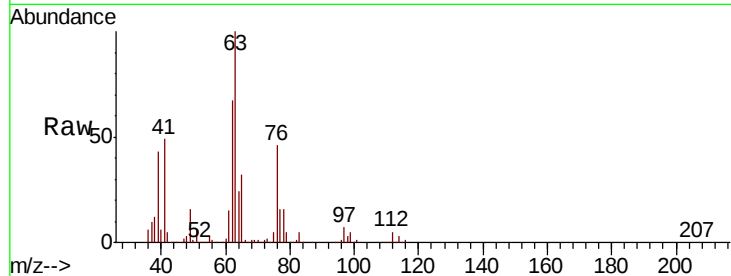




#45  
 1,2-Dichloropropane  
 Concen: 48.319 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

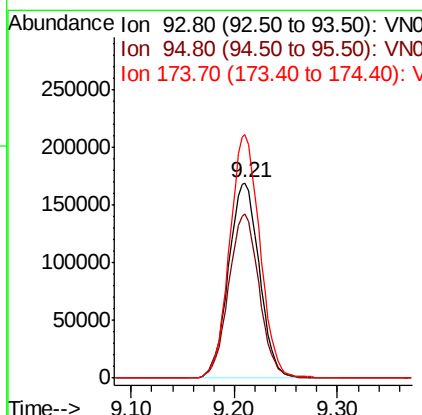
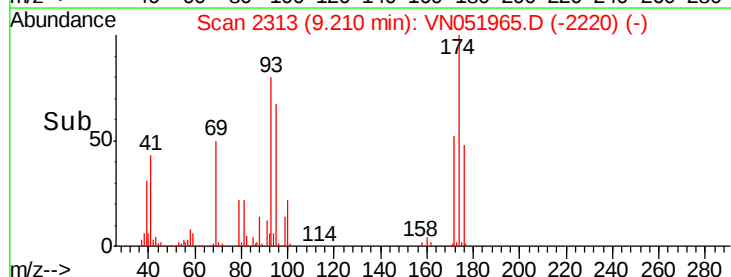
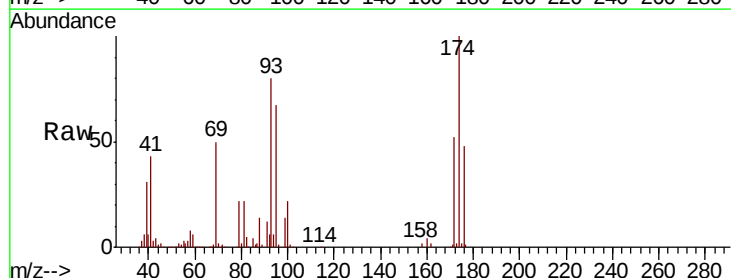
Instrument :  
 MSVOA\_N  
 ClientSampled :

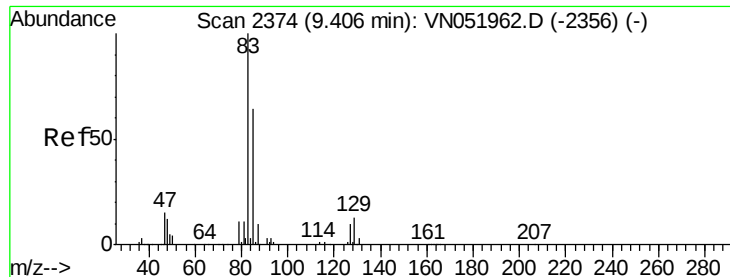
Tot Ion: 63 Resp: 448129  
 Ion Ratio Lower Upper  
 63 100  
 65 31.6 25.8 38.6



#46  
 Dibromomethane  
 Concen: 47.162 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

Tgt Ion: 93 Resp: 352591  
 Ion Ratio Lower Upper  
 93 100  
 95 82.8 66.7 100.1  
 174 122.5 93.8 140.6





#47

Bromodichloromethane

Concen: 49.491 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

ClientSampleId :

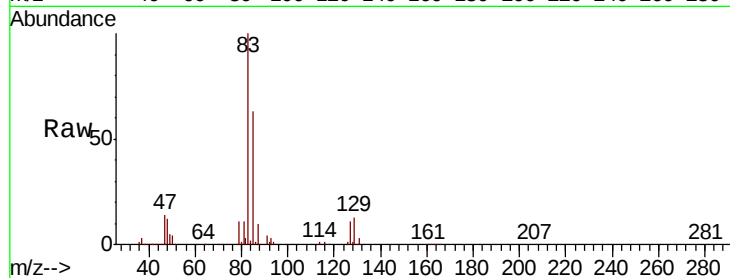
Tot Ion: 83 Resp: 698777

Ion Ratio Lower Upper

83 100

85 63.5 51.0 76.4

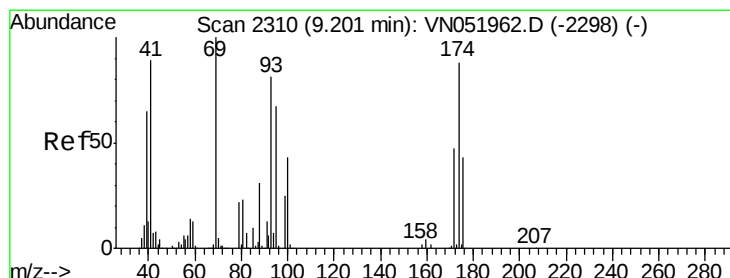
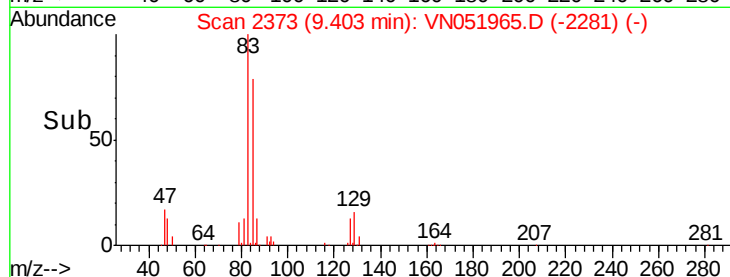
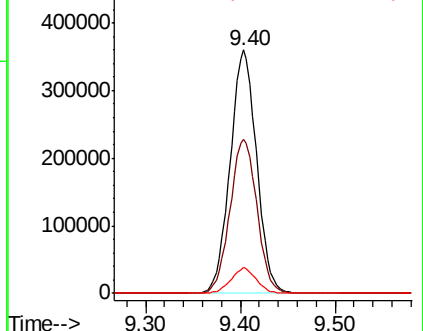
127 10.5 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN051962.D (-2356) (-)



#48

Methyl methacrylate

Concen: 45.961 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

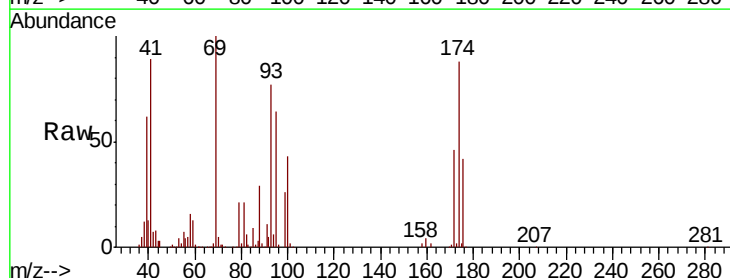
Tgt Ion: 41 Resp: 256895

Ion Ratio Lower Upper

41 100

69 115.7 92.2 138.4

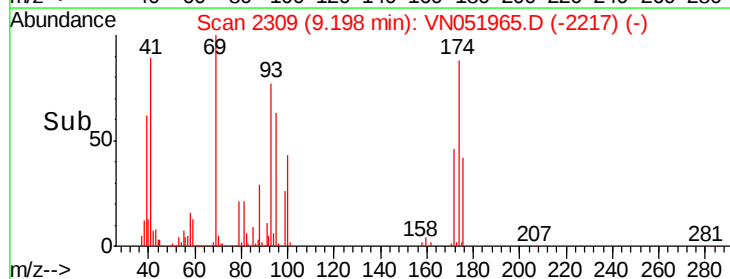
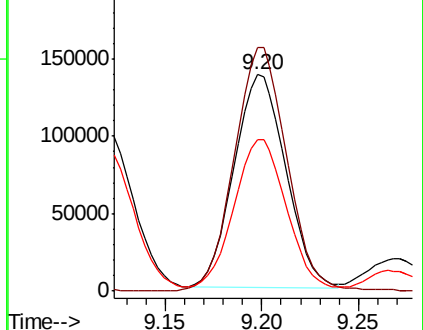
39 72.2 60.2 90.4

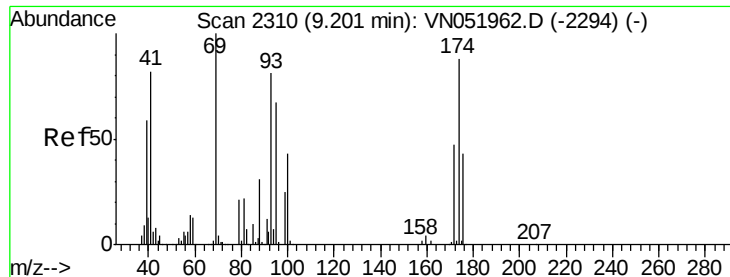


Abundance Ion 41.00 (40.70 to 41.70): VN051962.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051962.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051962.D (-2298) (-)





#49

1,4-Dioxane

Concen: 918.767 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :  
MSVOA\_N  
ClientSampleId :

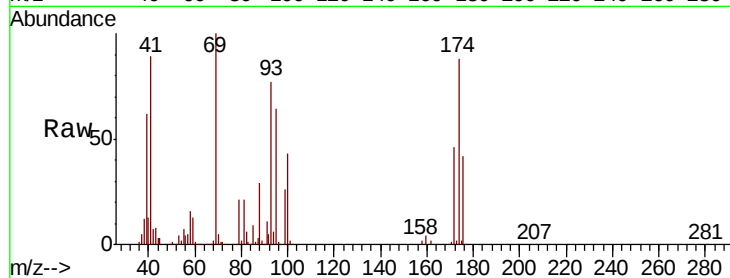
Tot Ion: 88 Resp: 94165

Ion Ratio Lower Upper

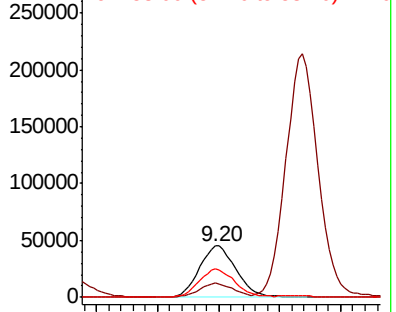
88 100

43 24.1 18.8 28.2

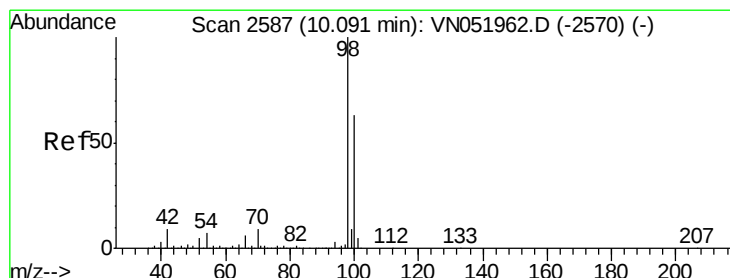
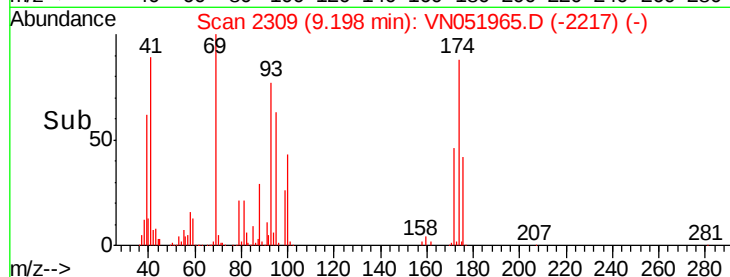
58 54.0 39.8 59.6



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



Time-->



#50

Toluene-d8

Concen: 918.767 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051965.D

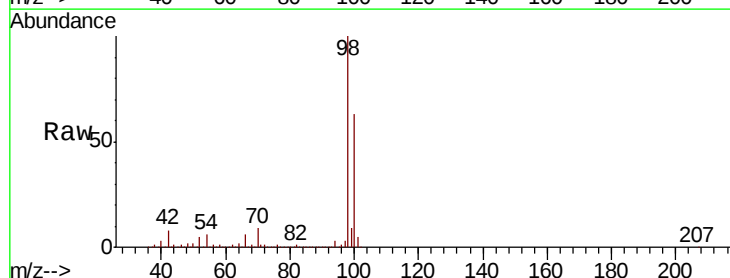
Acq: 23 Oct 2018 15:33

Tgt Ion: 98 Resp: 2012627

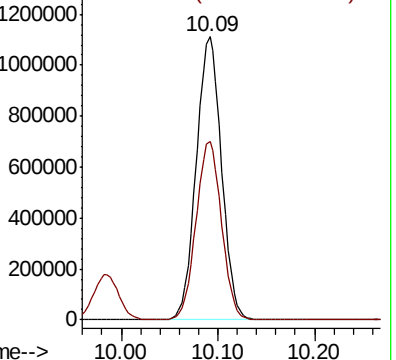
Ion Ratio Lower Upper

98 100

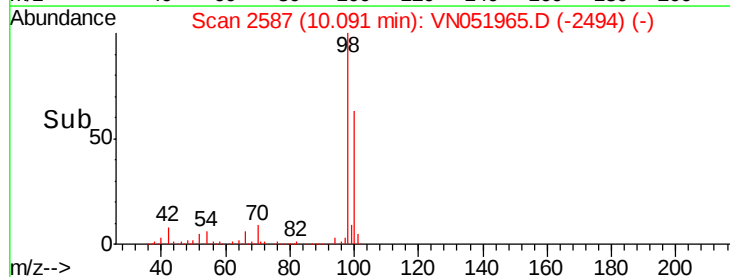
100 63.6 50.7 76.1

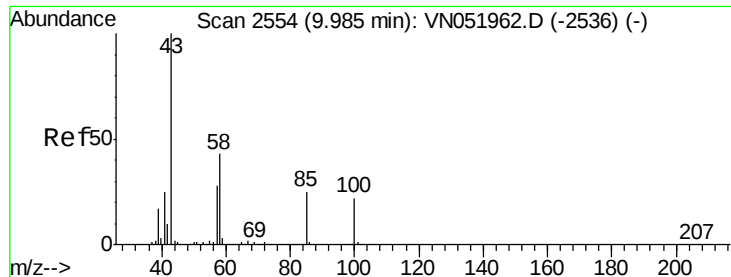


Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 221.588 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

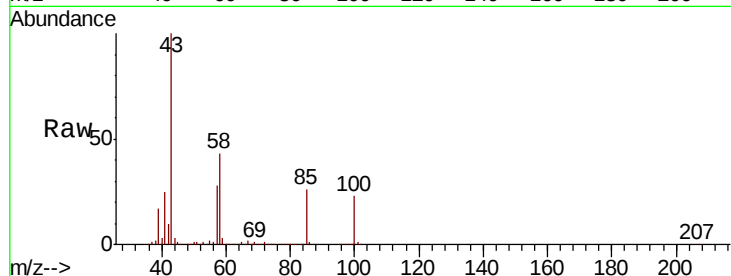
ClientSampled :

Tot Ion: 43 Resp: 1409499

Ion Ratio Lower Upper

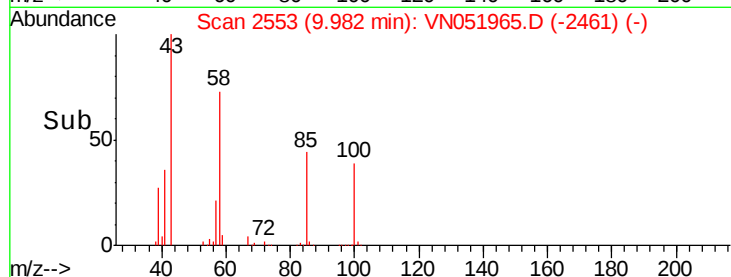
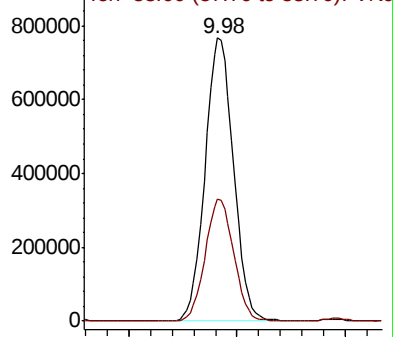
43 100

58 43.3 34.8 52.2

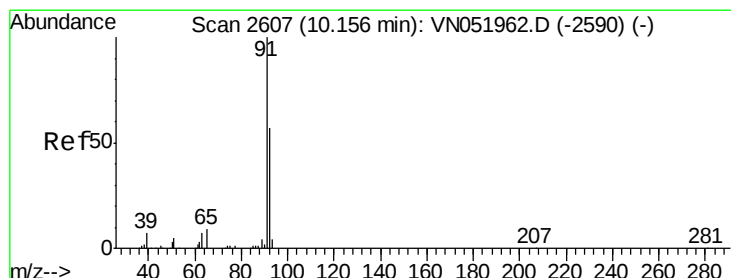


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 49.762 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051965.D

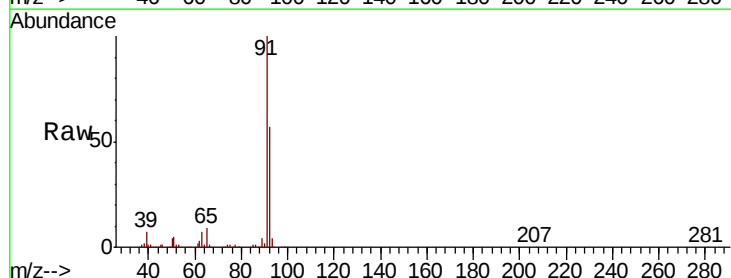
Acq: 23 Oct 2018 15:33

Tgt Ion: 92 Resp: 1383436

Ion Ratio Lower Upper

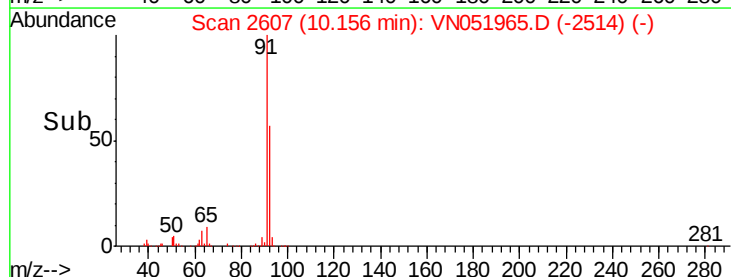
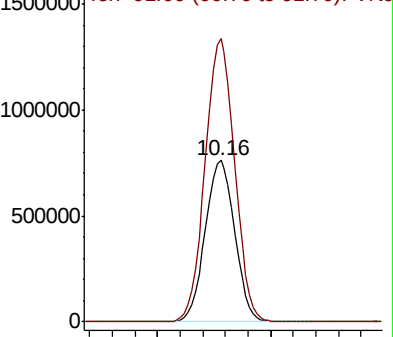
92 100

91 175.7 139.8 209.6

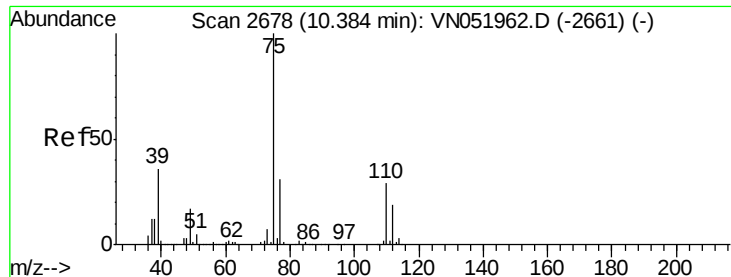


Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->



#53

t-1,3-Dichloropropene

Concen: 47.169 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

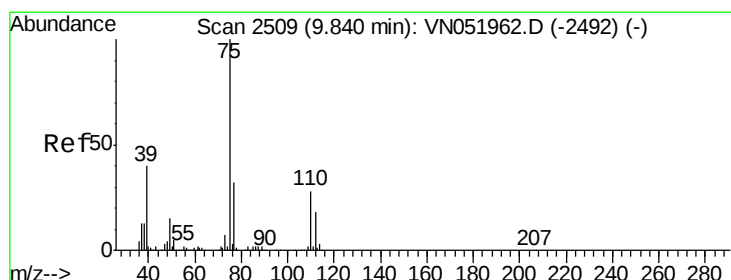
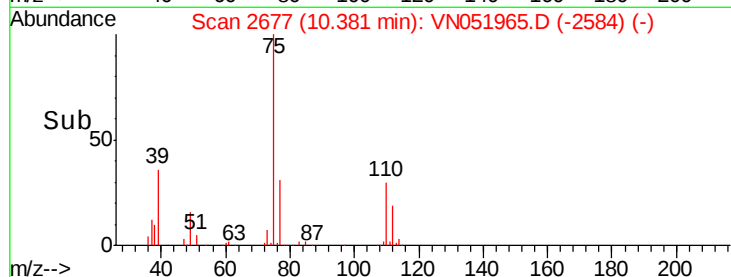
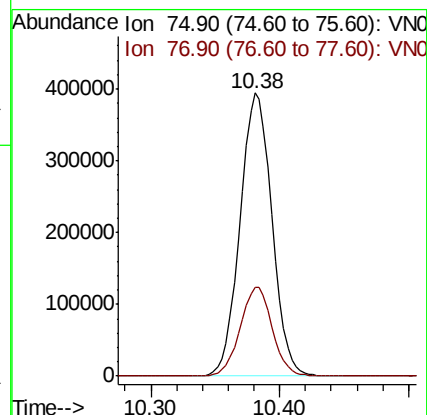
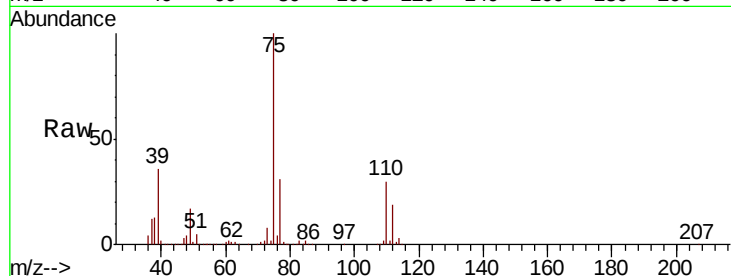
ClientSampleId :

Tot Ion: 75 Resp: 679109

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 51.630 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

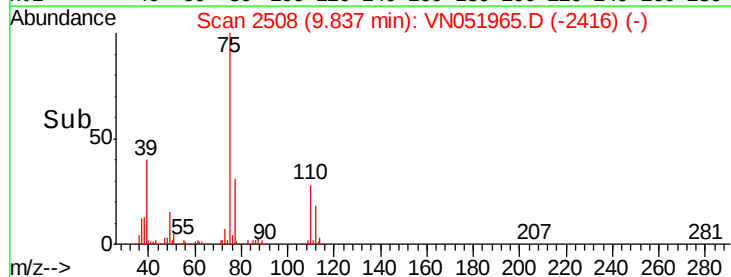
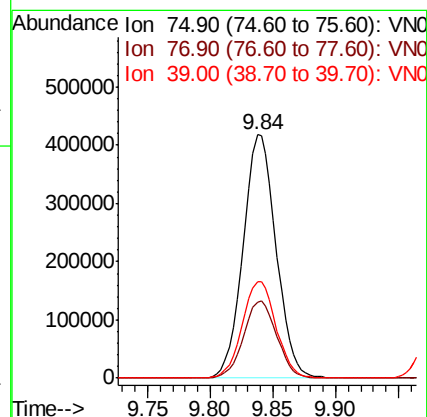
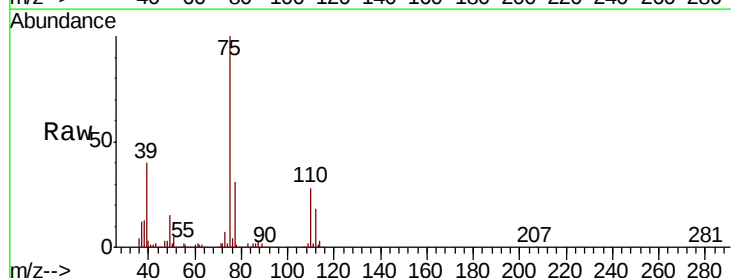
Tgt Ion: 75 Resp: 761936

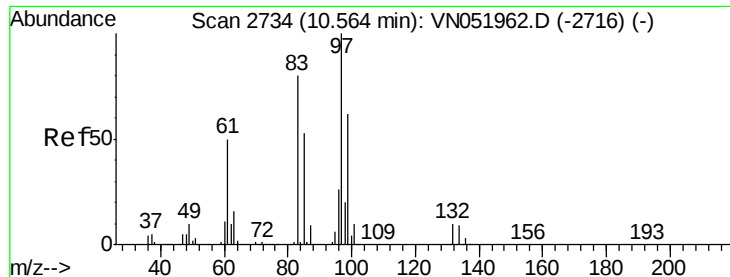
Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 39.5 32.0 48.0

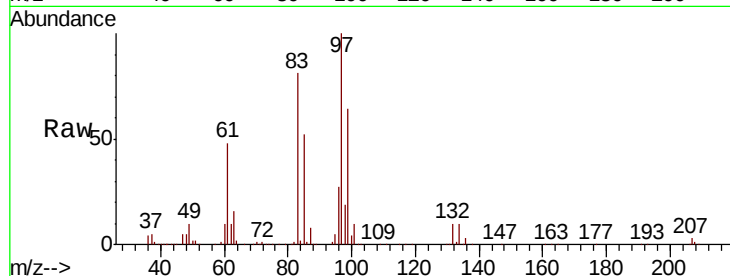




#55  
 1,1,2-Trichloroethane  
 Concen: 47.915 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | 97    | Resp  | 492178 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 97      | 100   |       |        |
| 83      | 81.4  | 64.0  | 96.0   |
| 85      | 52.4  | 42.4  | 63.6   |
| 99      | 64.2  | 49.4  | 74.2   |



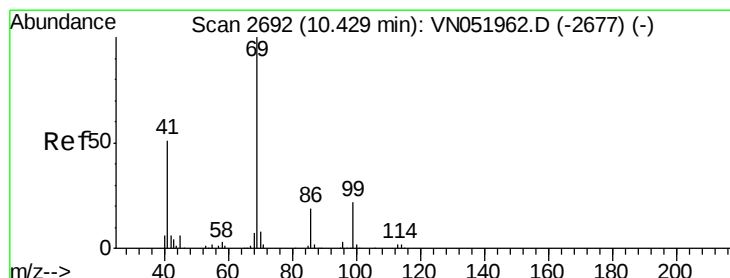
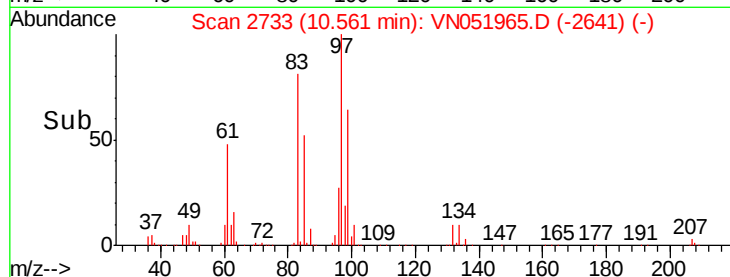
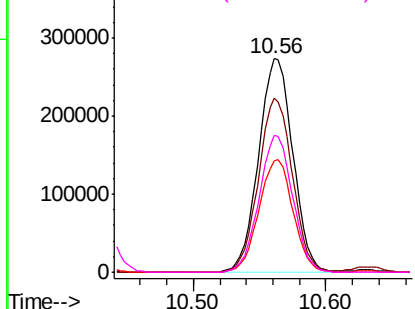
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

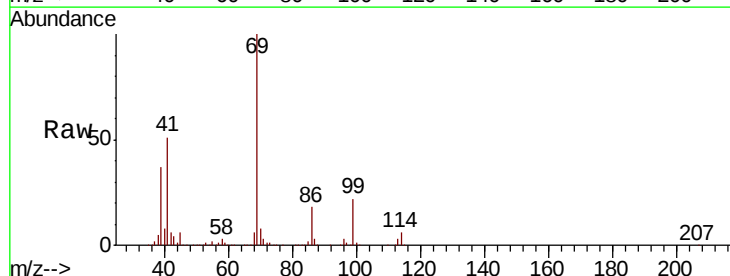
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56  
 Ethyl methacrylate  
 Concen: 47.928 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

| Tgt Ion | 69    | Resp  | 529201 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 69      | 100   |       |        |
| 41      | 50.3  | 40.7  | 61.1   |
| 39      | 36.0  | 29.3  | 43.9   |

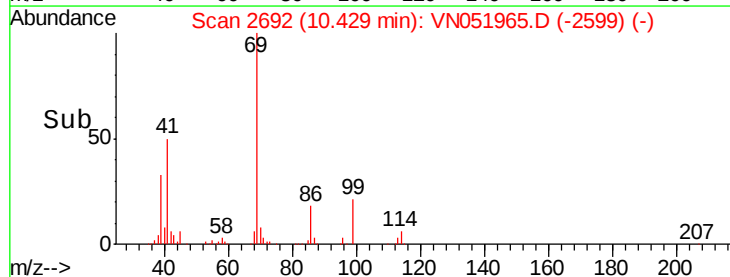
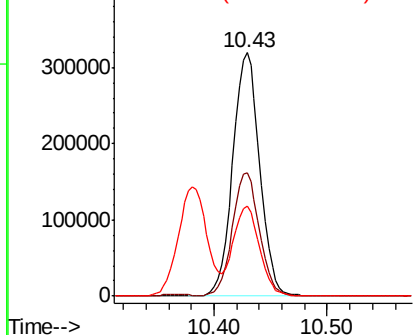


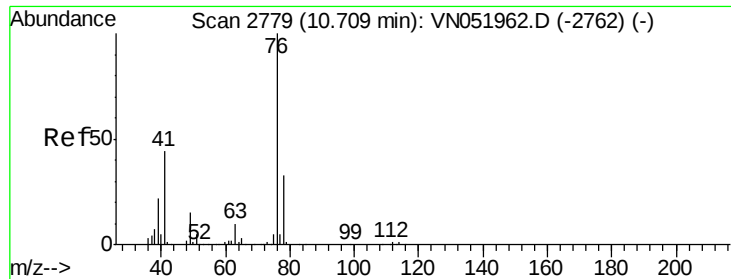
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

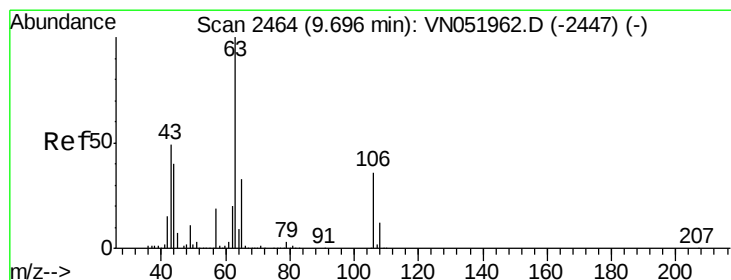
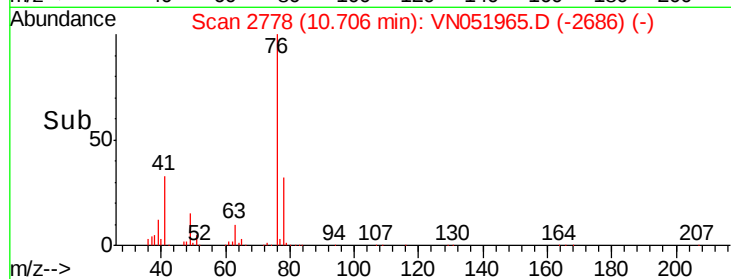
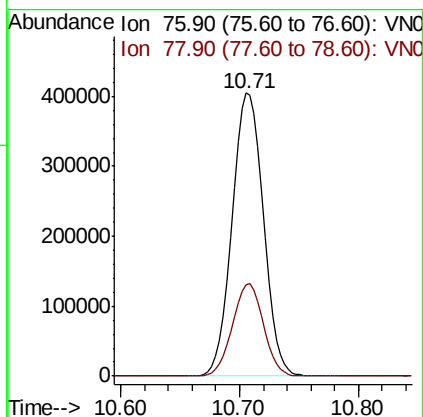
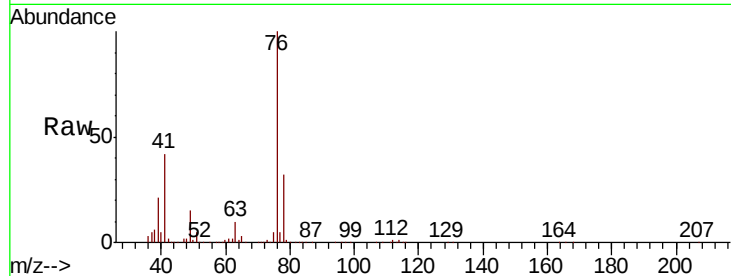




#57  
 1,3-Dichloropropane  
 Concen: 47.330 ug/l  
 RT: 10.71 min Scan# 2778  
 Delta R.T. -0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

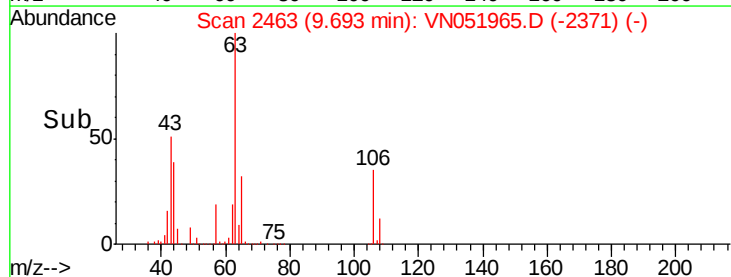
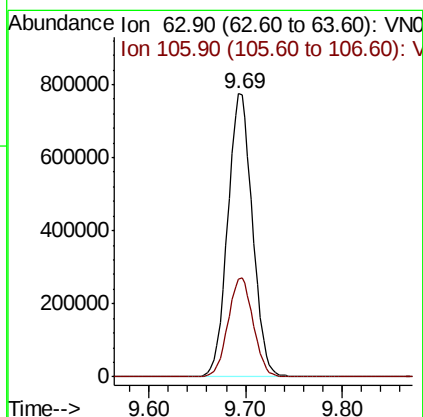
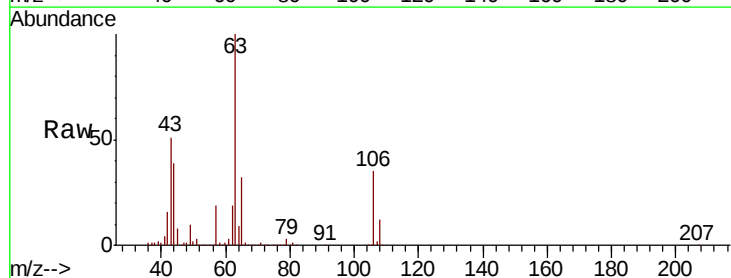
Instrument :  
 MSVOA\_N  
 ClientSampleId :

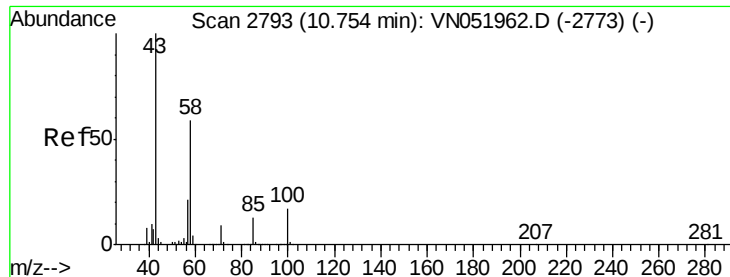
Tot Ion: 76 Resp: 738064  
 Ion Ratio Lower Upper  
 76 100  
 78 32.4 26.4 39.6



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 237.391 ug/l  
 RT: 9.69 min Scan# 2463  
 Delta R.T. -0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

Tgt Ion: 63 Resp: 1371513  
 Ion Ratio Lower Upper  
 63 100  
 106 35.6 28.3 42.5

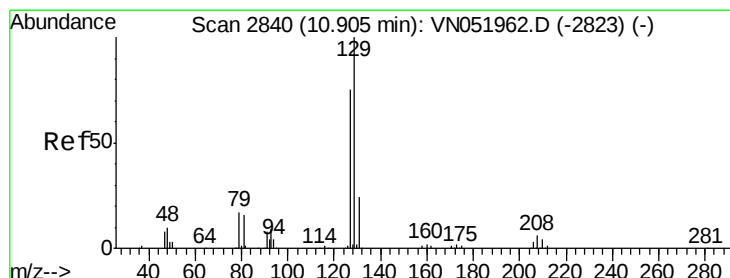
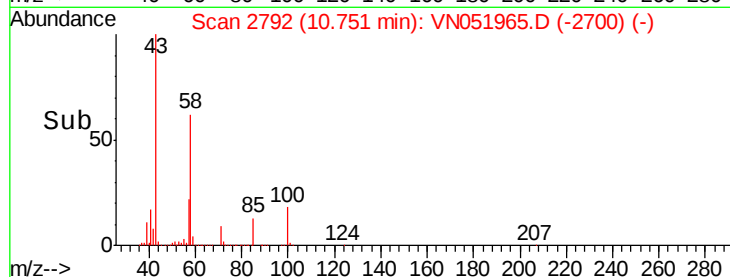
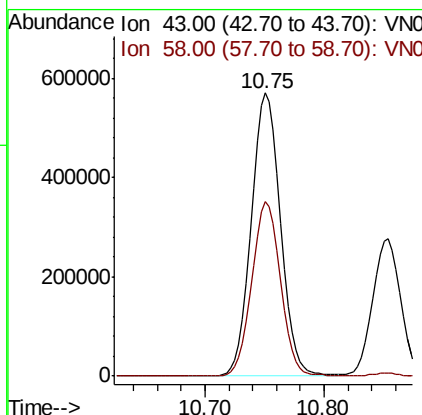
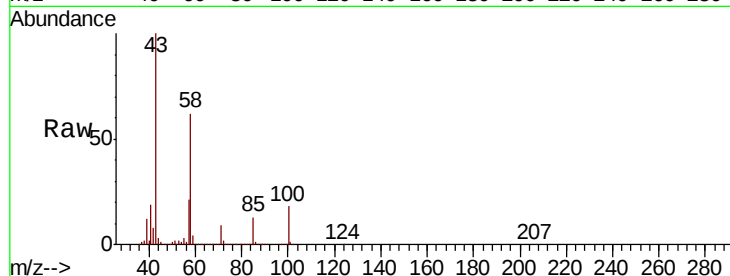




#59  
2-Hexanone  
Concen: 226.631 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

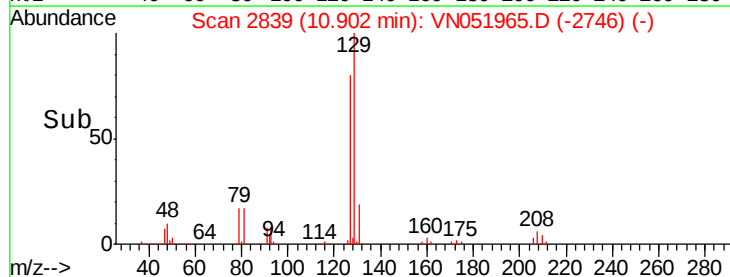
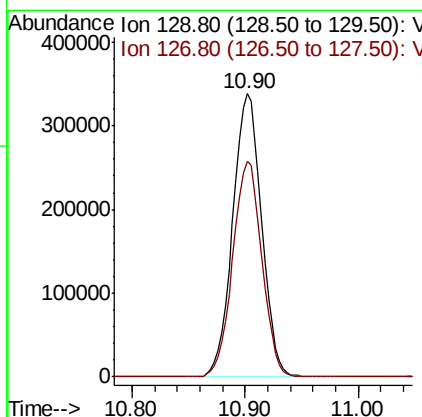
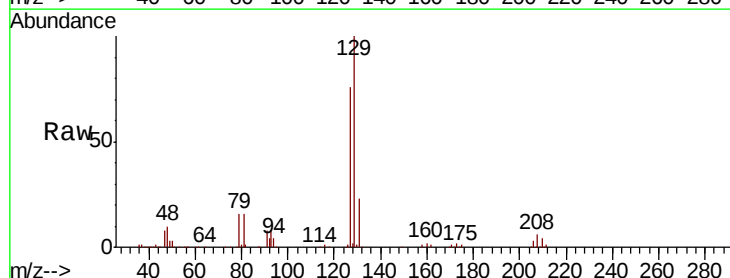
Instrument :  
MSVOA\_N  
ClientSampled :

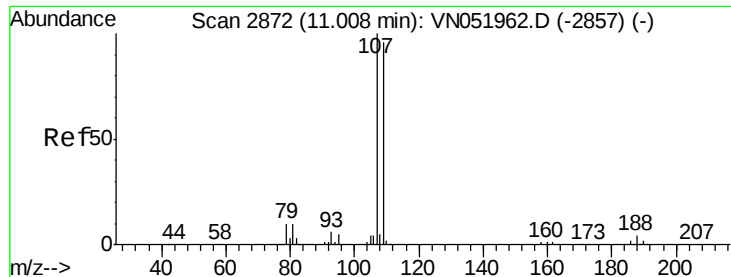
Tot Ion: 43 Resp: 968591  
Ion Ratio Lower Upper  
43 100  
58 60.7 29.9 89.8



#60  
Dibromochloromethane  
Concen: 46.004 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion: 129 Resp: 600663  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.0 114.0





#61

1,2-Dibromoethane

Concen: 48.366 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

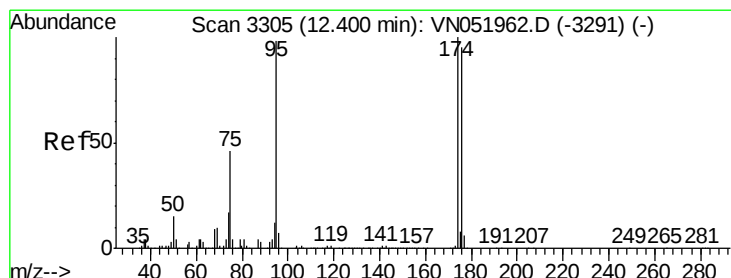
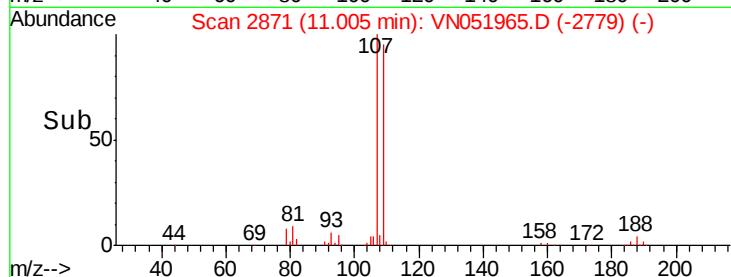
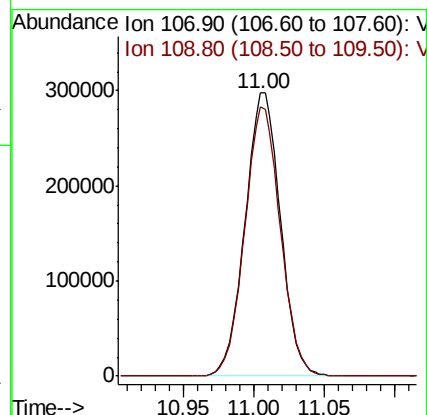
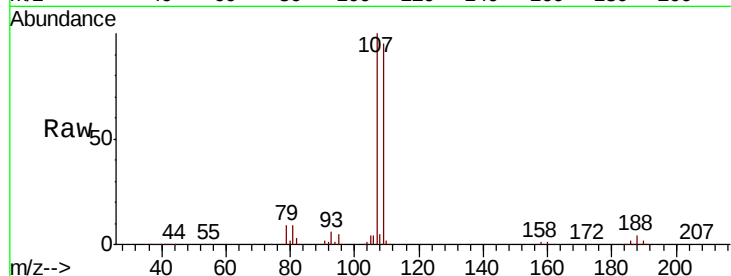
ClientSampleId :

Tot Ion:107 Resp: 523832

Ion Ratio Lower Upper

107 100

109 95.8 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 48.366 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

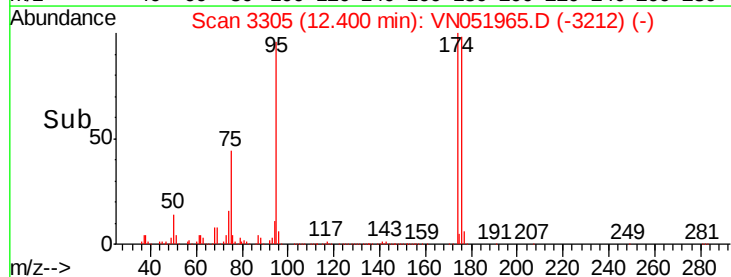
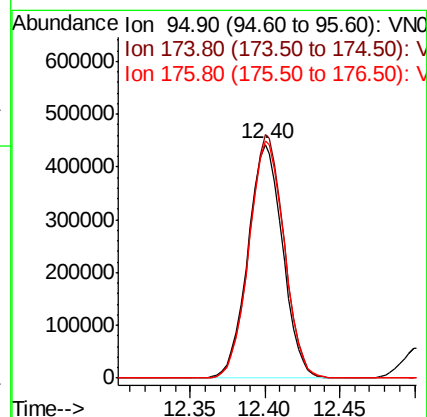
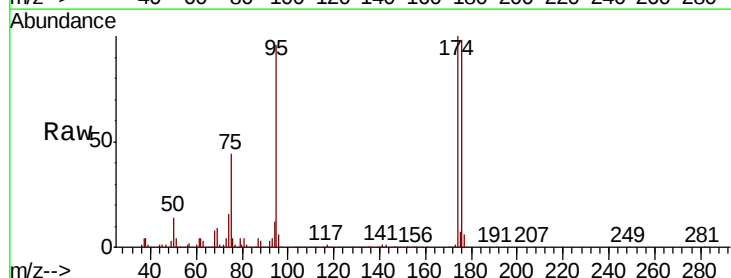
Tgt Ion: 95 Resp: 716695

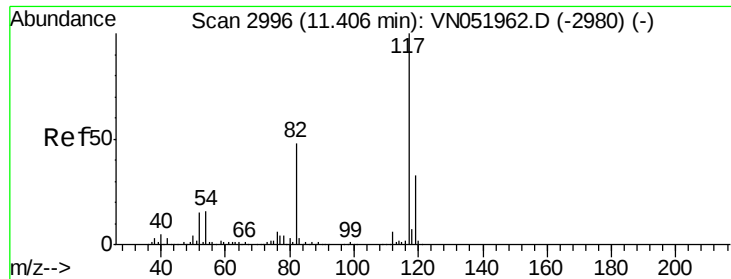
Ion Ratio Lower Upper

95 100

174 104.6 0.0 206.0

176 102.5 0.0 198.0

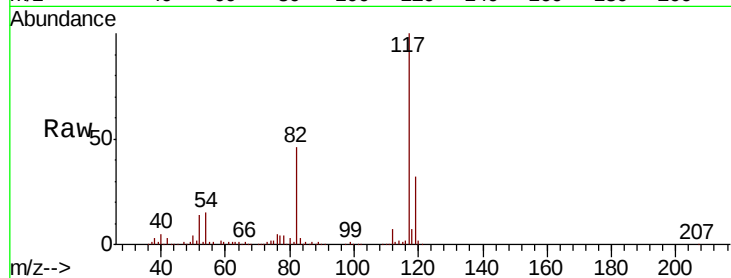




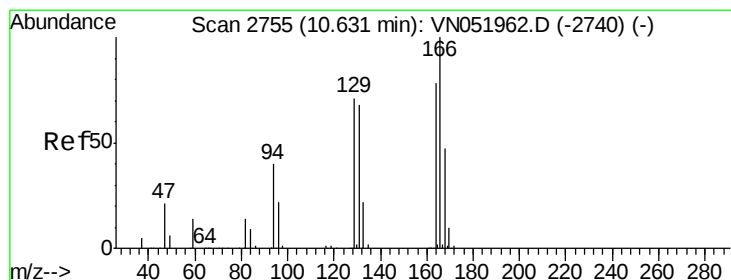
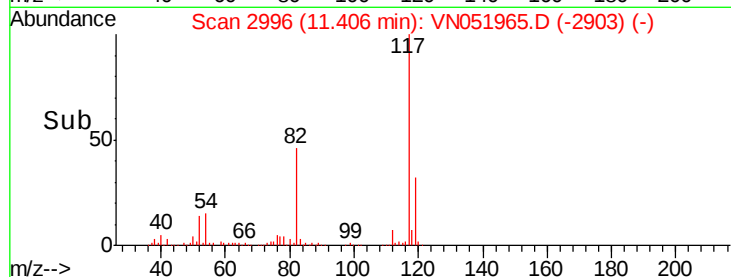
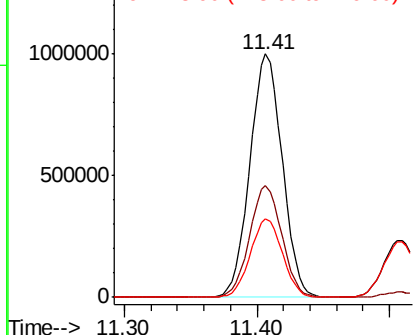
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:117 Resp: 1692685  
Ion Ratio Lower Upper  
117 100  
82 45.8 38.1 57.1  
119 32.2 26.4 39.6

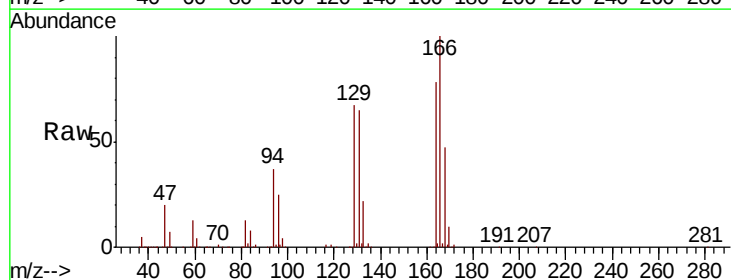


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

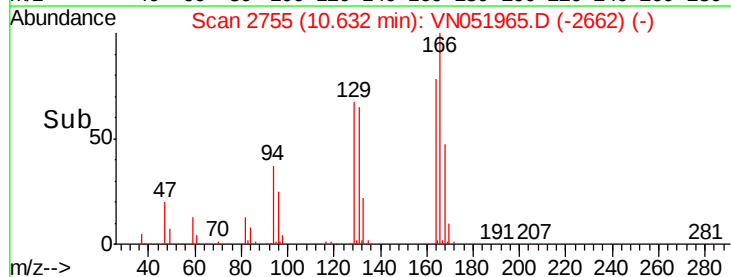
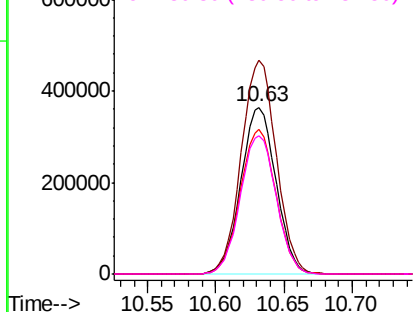


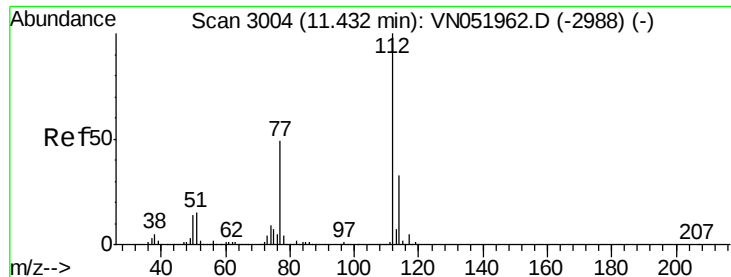
#64  
Tetrachloroethene  
Concen: 50.109 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion:164 Resp: 651009  
Ion Ratio Lower Upper  
164 100  
166 128.0 103.1 154.7  
129 86.4 73.6 110.4  
131 82.6 70.3 105.5



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

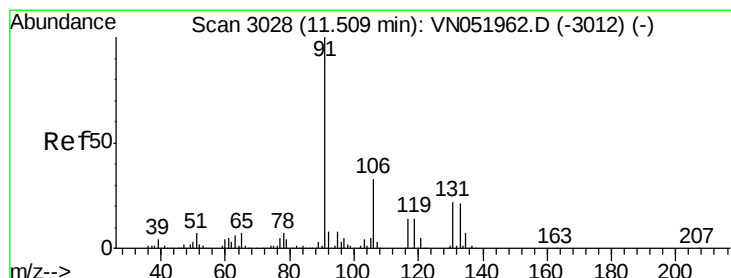
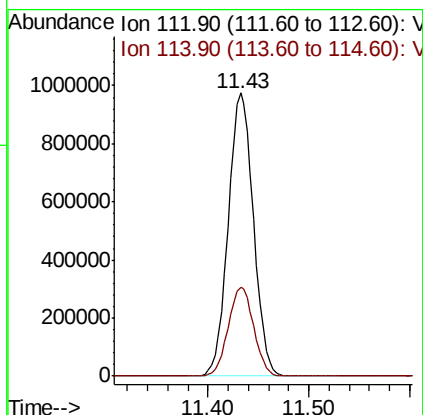
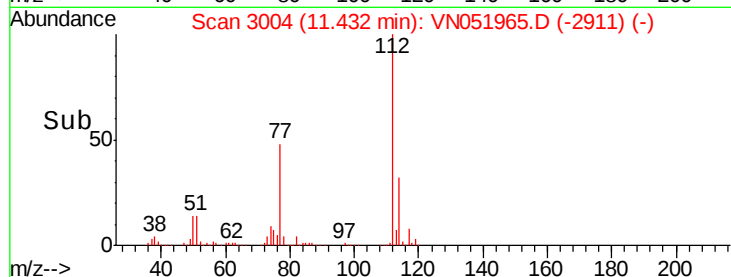
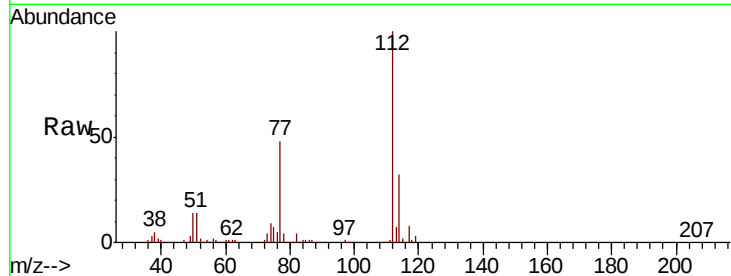




#65  
Chlorobenzene  
Concen: 49.526 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

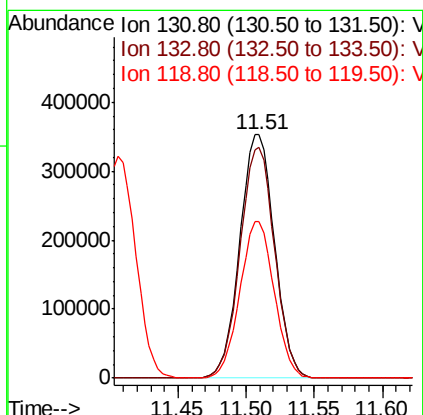
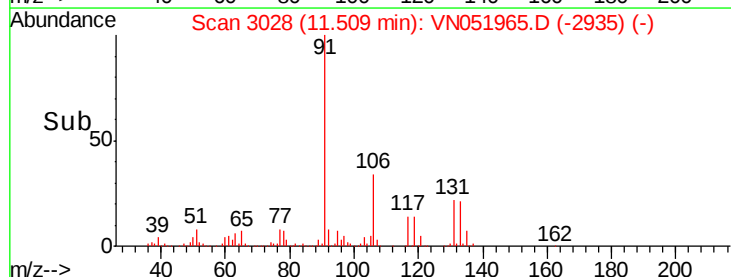
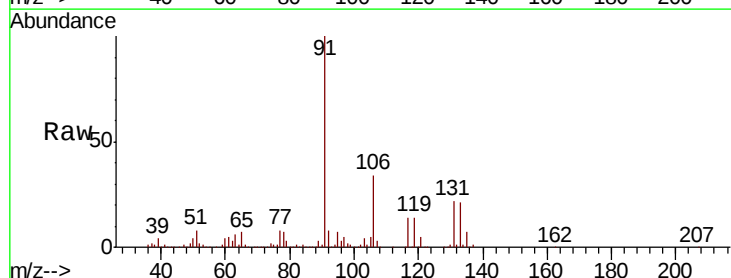
Instrument :  
MSVOA\_N  
ClientSampled :

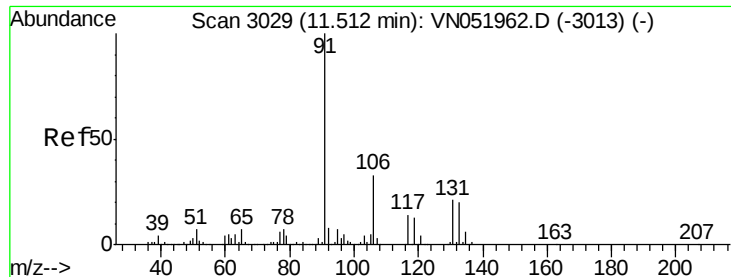
Tot Ion:112 Resp: 1692582  
Ion Ratio Lower Upper  
112 100  
114 31.6 26.1 39.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.613 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion:131 Resp: 621732  
Ion Ratio Lower Upper  
131 100  
133 94.7 47.8 143.3  
119 63.7 32.0 96.2

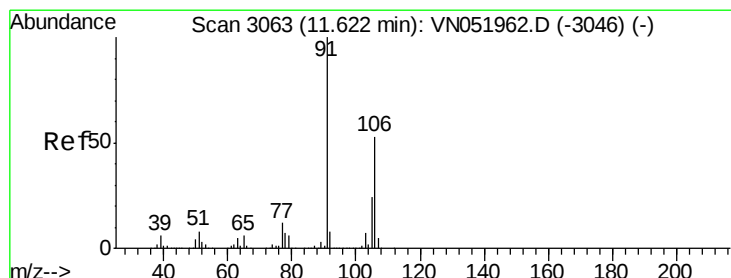
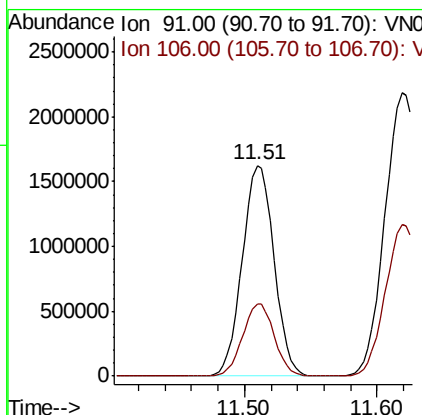
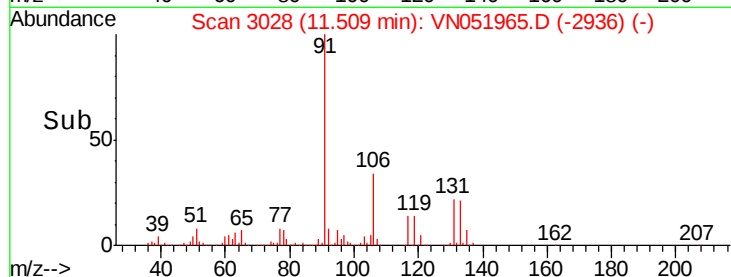
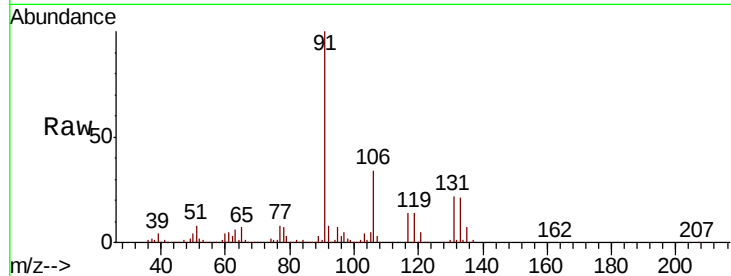




#67  
Ethyl Benzene  
Concen: 49.168 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

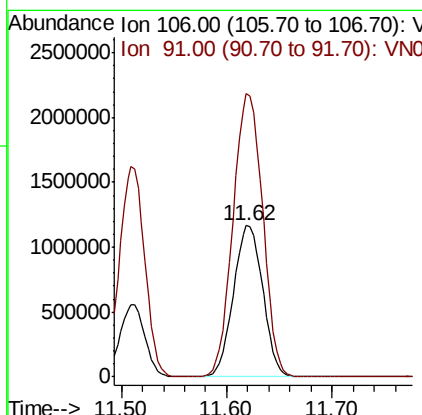
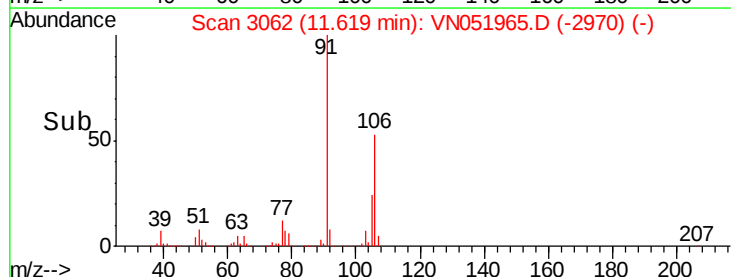
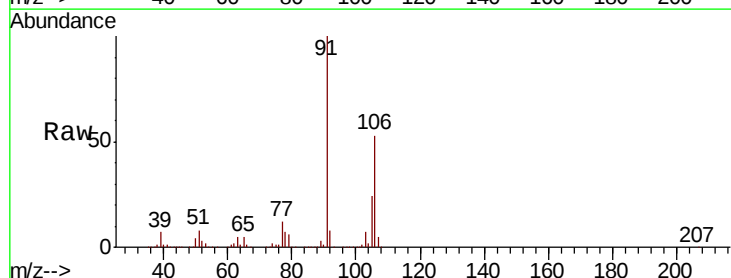
Instrument :  
MSVOA\_N  
ClientSampled :

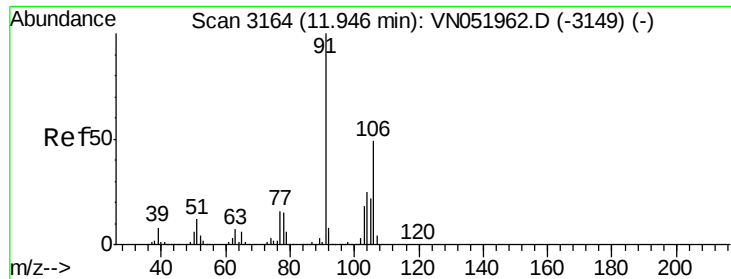
Tot Ion: 91 Resp: 2701039  
Ion Ratio Lower Upper  
91 100  
106 34.1 26.4 39.6



#68  
m/p-Xylenes  
Concen: 102.701 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion:106 Resp: 2254180  
Ion Ratio Lower Upper  
106 100  
91 188.9 152.2 228.2

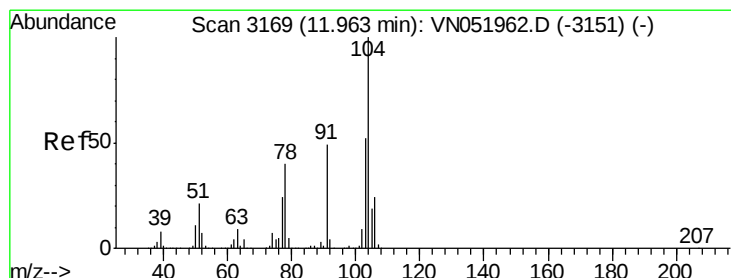
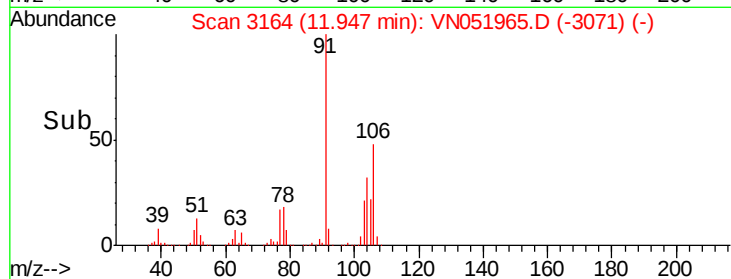
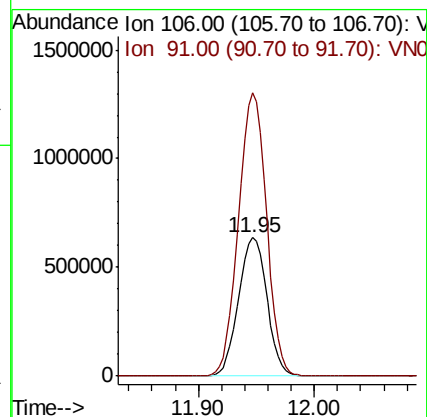
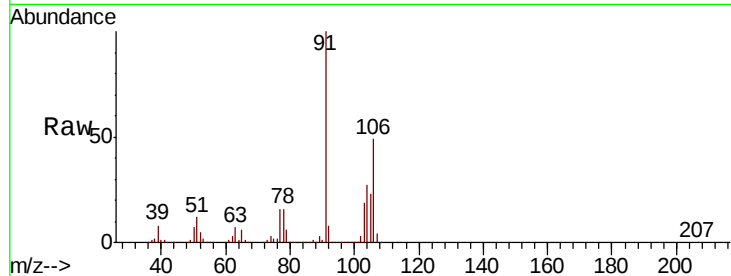




#69  
o-Xylene  
Concen: 50.441 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

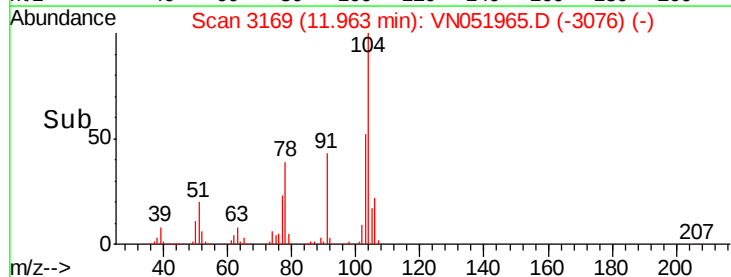
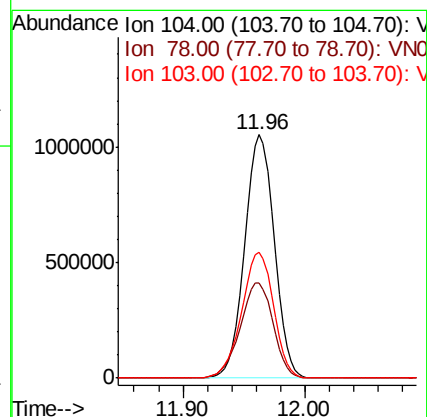
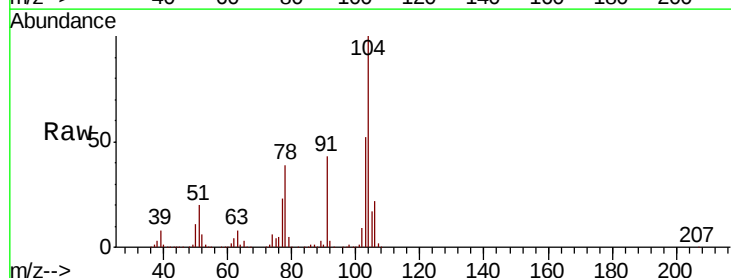
Instrument :  
MSVOA\_N  
ClientSampled :

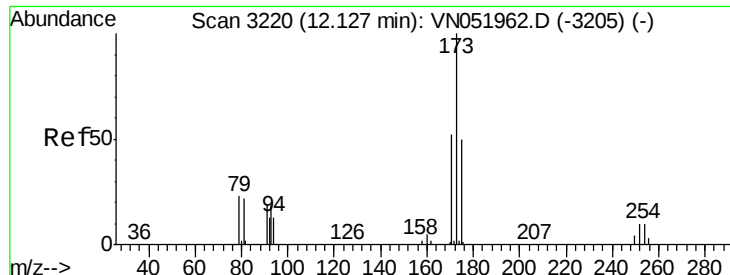
Tot Ion:106 Resp: 1076721  
Ion Ratio Lower Upper  
106 100  
91 201.7 101.0 303.0



#70  
Styrene  
Concen: 51.475 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion:104 Resp: 1756225  
Ion Ratio Lower Upper  
104 100  
78 43.7 35.8 53.6  
103 56.0 44.9 67.3

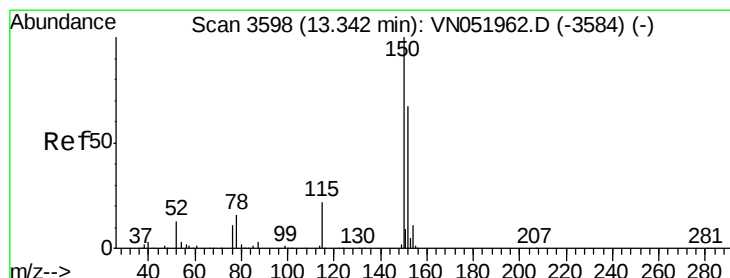
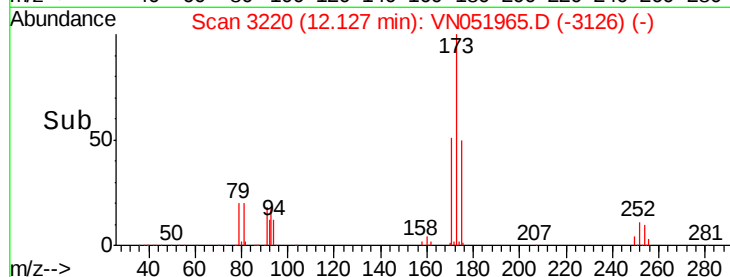
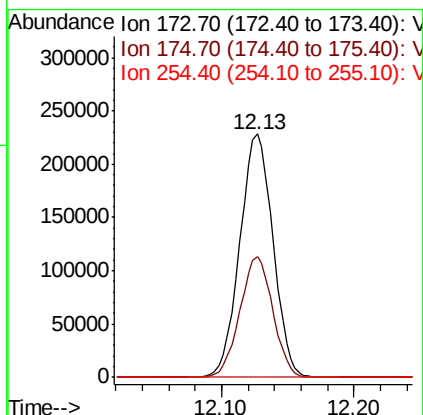
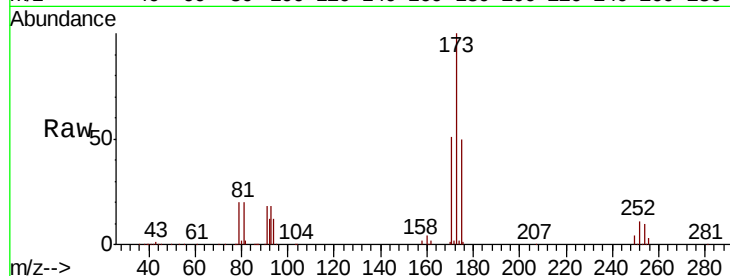




#71  
Bromoform  
Concen: 44.044 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

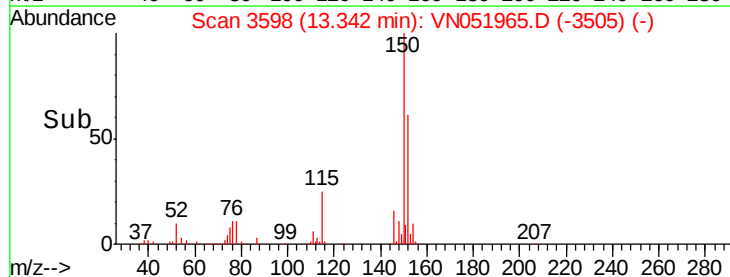
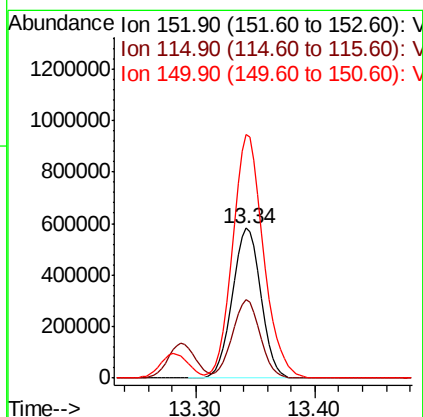
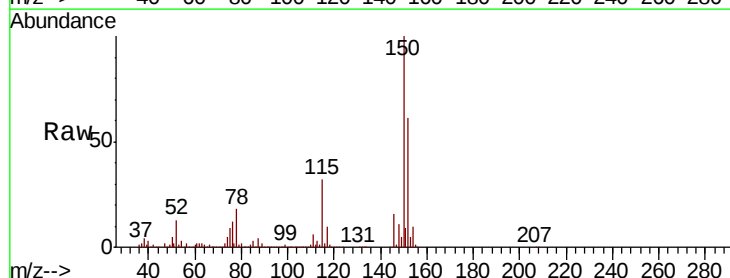
Instrument :  
MSVOA\_N  
ClientSampleId :

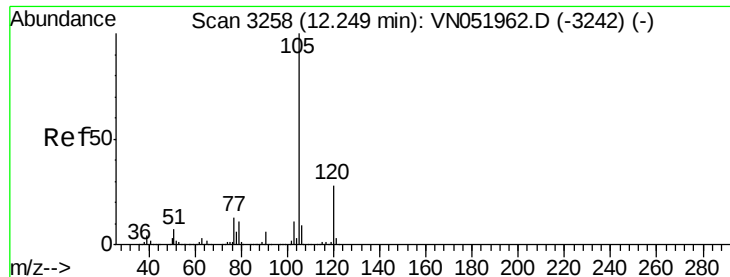
Tot Ion:173 Resp: 396823  
Ion Ratio Lower Upper  
173 100  
175 49.1 24.6 74.0  
254 0.1 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion:152 Resp: 963859  
Ion Ratio Lower Upper  
152 100  
115 51.0 25.8 77.3  
150 175.0 0.0 344.4





#73

Isopropylbenzene

Concen: 48.542 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

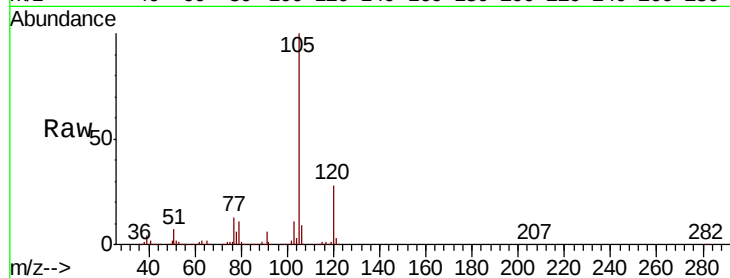
ClientSampleId :

Tot Ion:105 Resp: 2967259

Ion Ratio Lower Upper

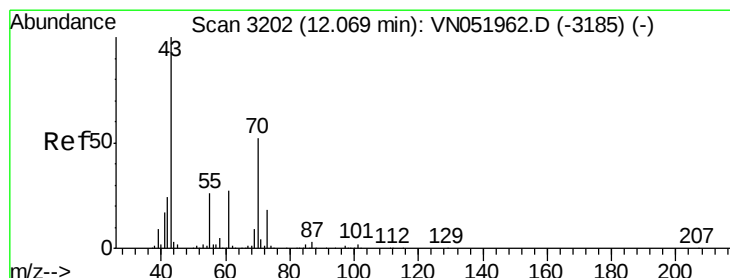
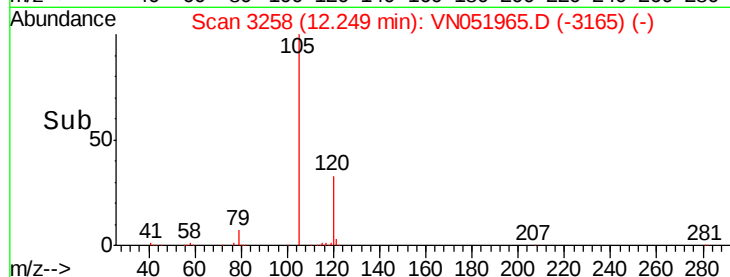
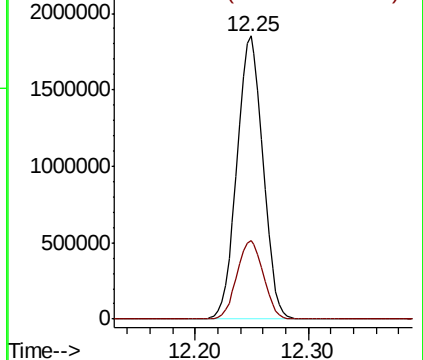
105 100

120 28.1 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.664 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Tgt Ion: 43 Resp: 525359

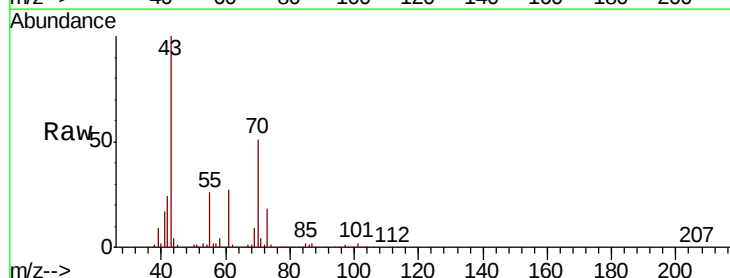
Ion Ratio Lower Upper

43 100

70 51.1 41.3 61.9

55 26.1 21.2 31.8

61 27.0 21.8 32.8

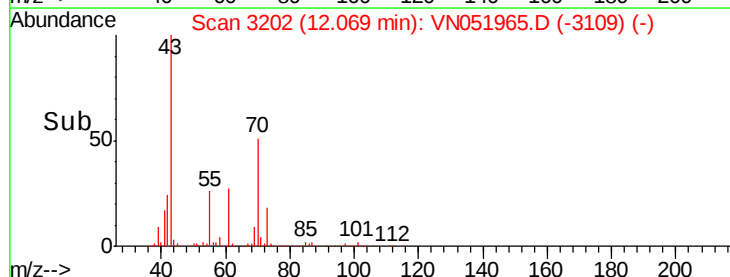
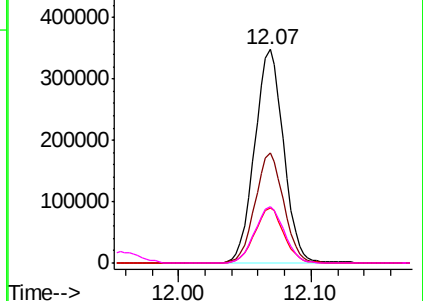


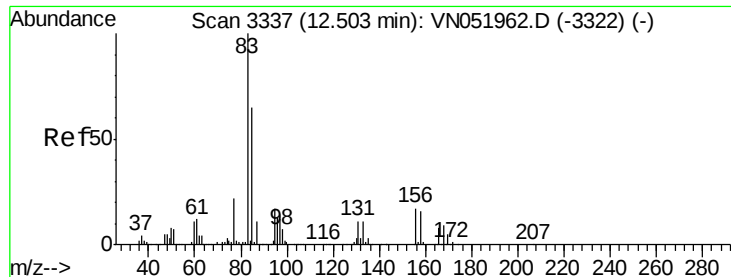
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 43.938 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

ClientSampleId :

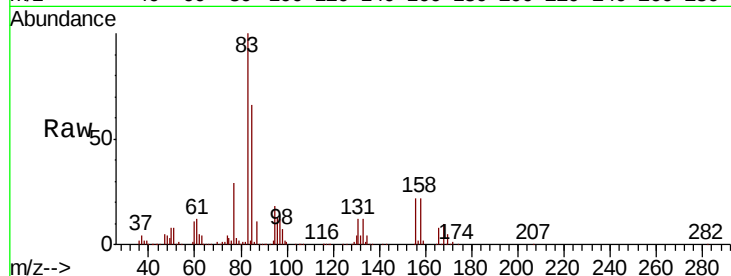
Tot Ion: 83 Resp: 554973

Ion Ratio Lower Upper

83 100

131 12.9 6.2 18.6

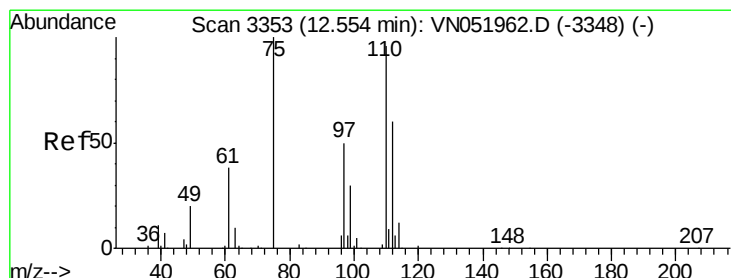
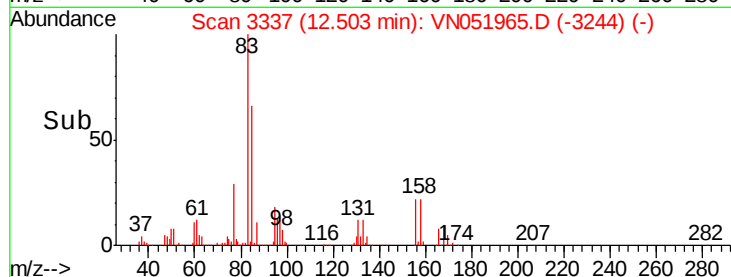
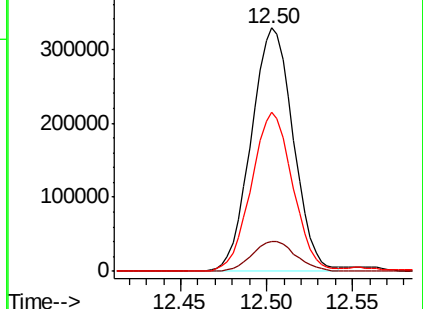
85 64.4 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VN051965.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051965.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051965.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 66.818 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051965.D

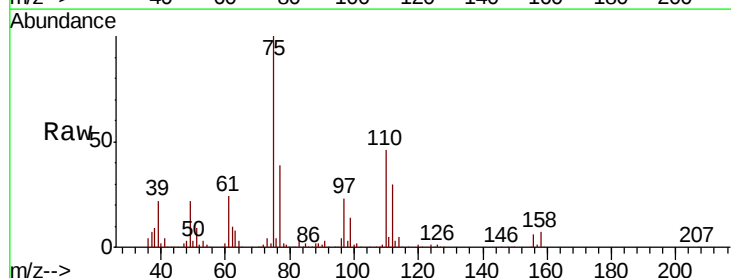
Acq: 23 Oct 2018 15:33

Tgt Ion: 75 Resp: 665252

Ion Ratio Lower Upper

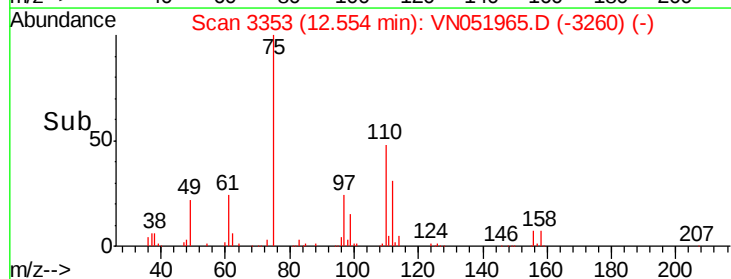
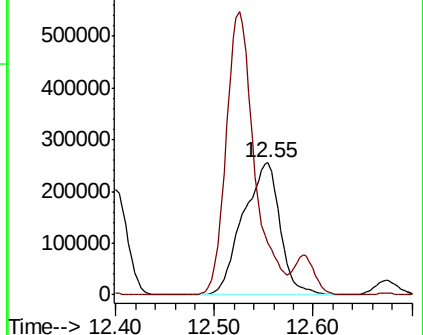
75 100

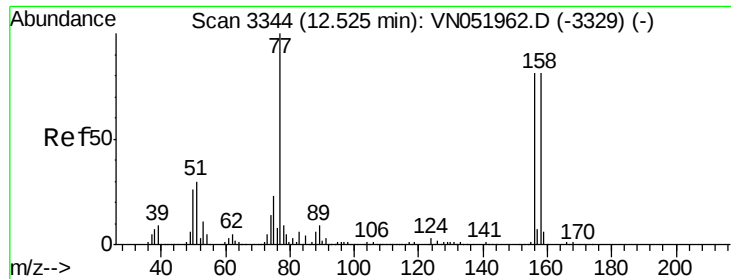
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051965.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051965.D (-3353) (-)





#77

Bromobenzene

Concen: 48.831 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

ClientSampleId :

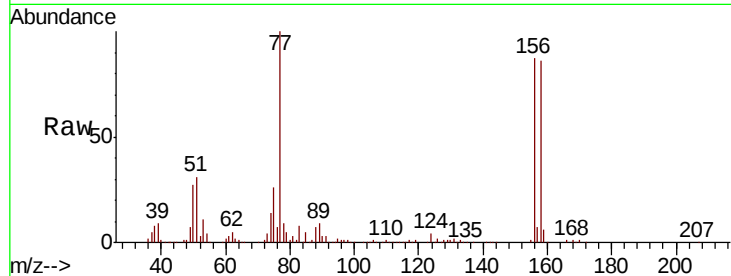
Tot Ion:156 Resp: 823786

Ion Ratio Lower Upper

156 100

77 133.8 71.1 213.3

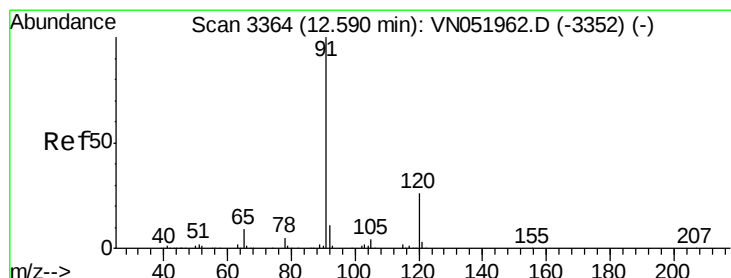
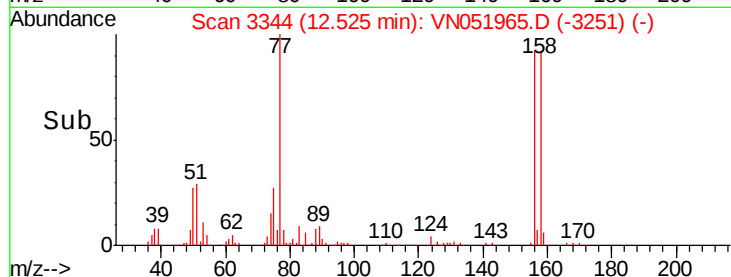
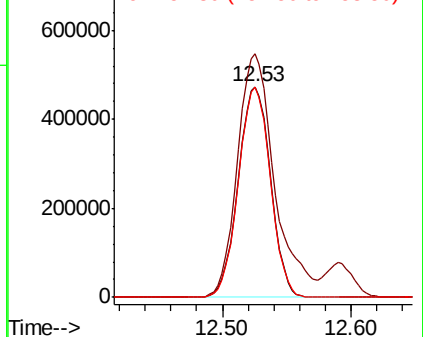
158 98.9 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.233 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051965.D

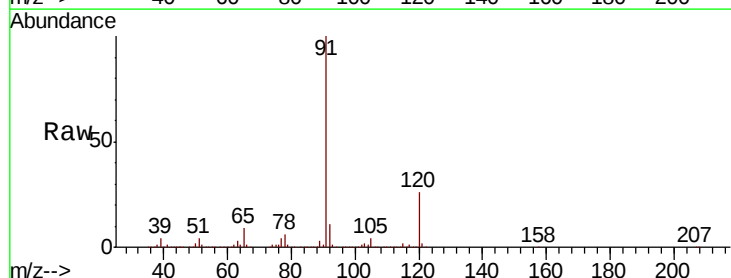
Acq: 23 Oct 2018 15:33

Tgt Ion: 91 Resp: 3246459

Ion Ratio Lower Upper

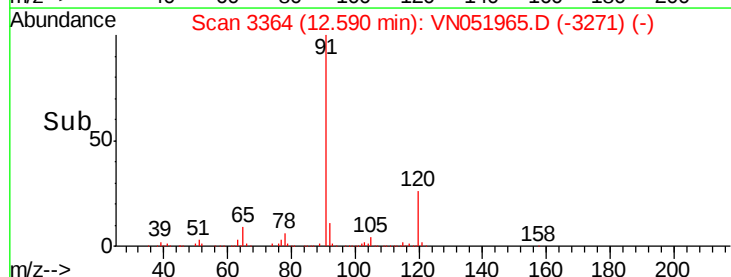
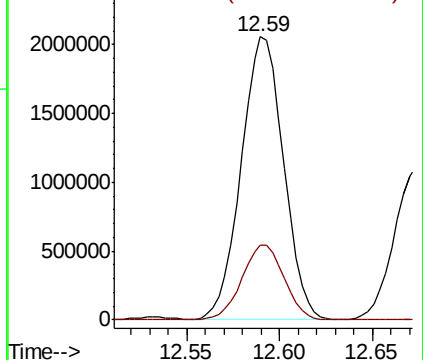
91 100

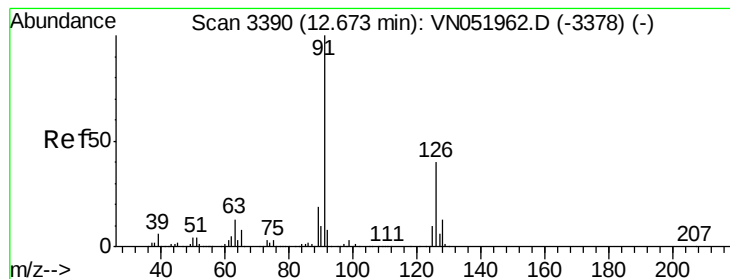
120 26.4 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.037 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

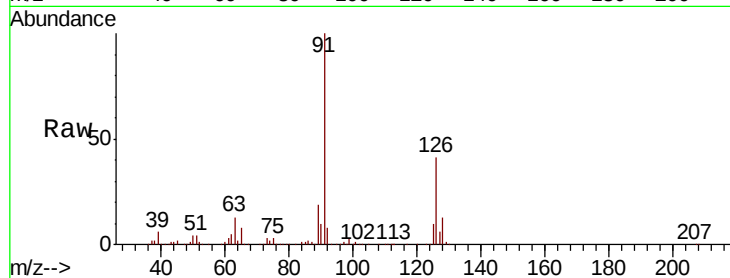
ClientSampleId :

Tot Ion: 91 Resp: 1844655

Ion Ratio Lower Upper

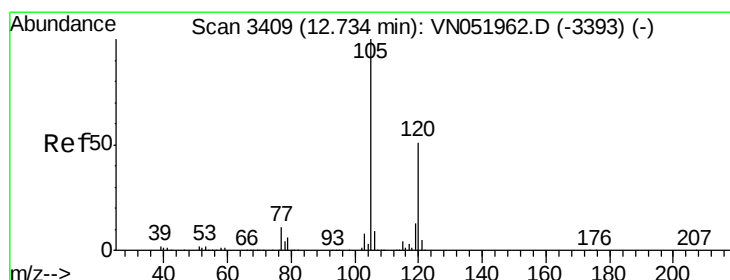
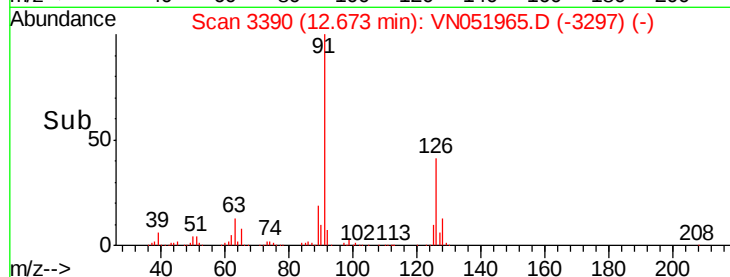
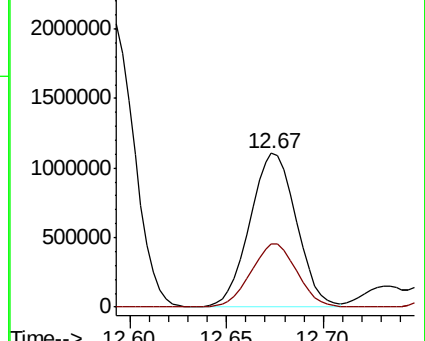
91 100

126 40.6 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: 50.419 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051965.D

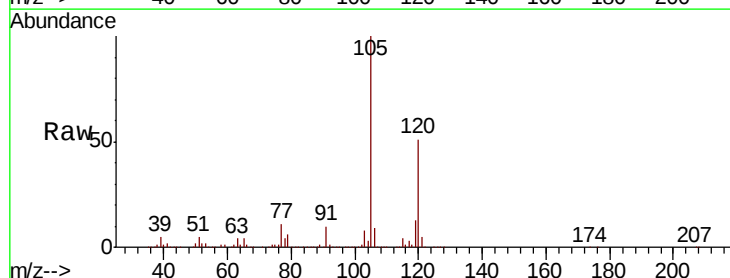
Acq: 23 Oct 2018 15:33

Tgt Ion: 105 Resp: 2472704

Ion Ratio Lower Upper

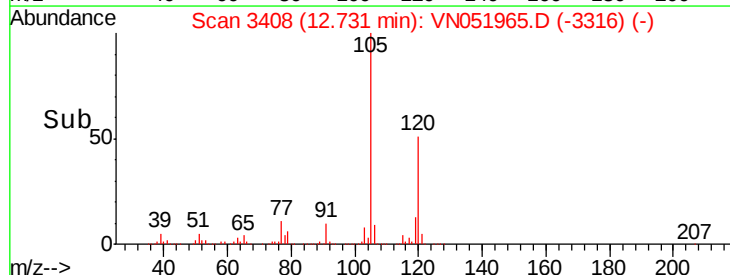
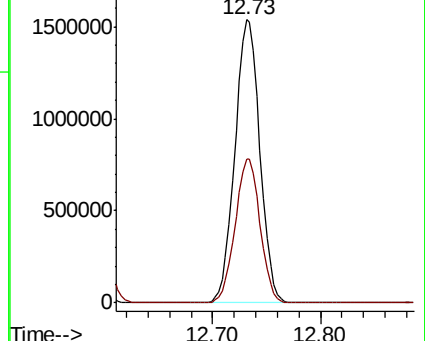
105 100

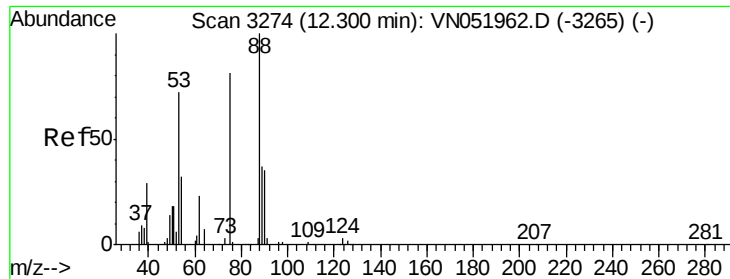
120 50.8 25.7 77.1



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

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

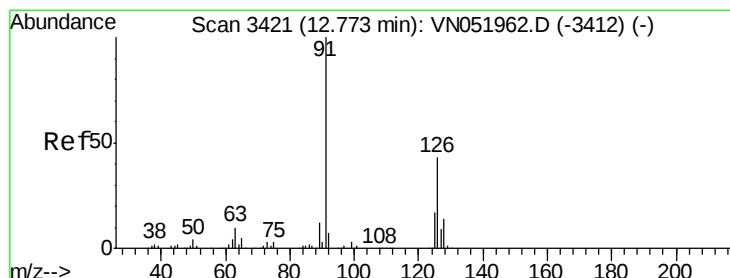
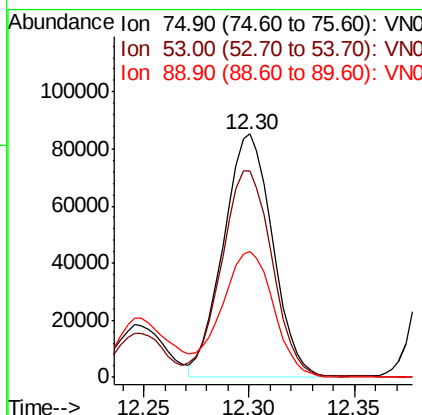
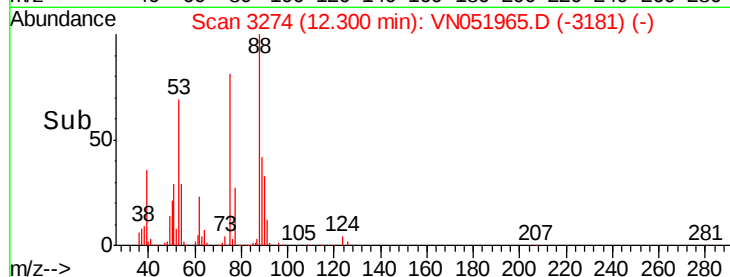
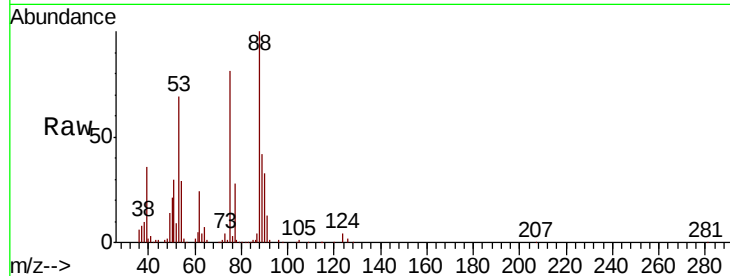




#81  
trans-1,4-Dichloro-2-butene  
Concen: 44.541 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

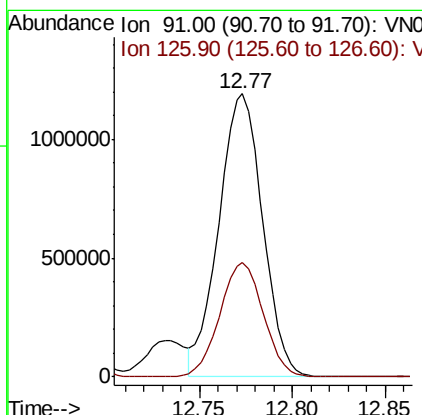
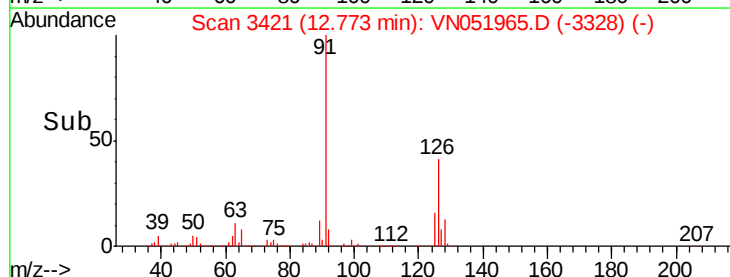
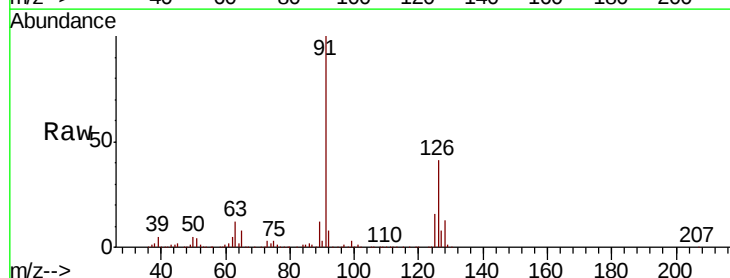
Instrument :  
MSVOA\_N  
ClientSampleId :

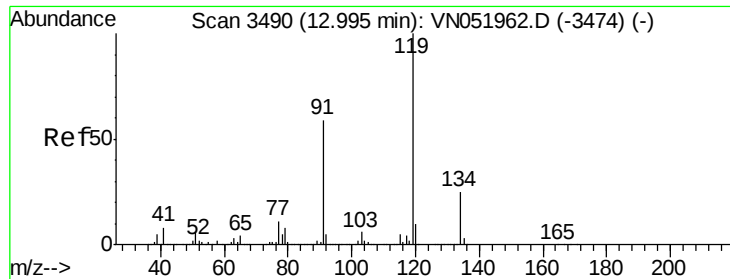
Tot Ion: 75 Resp: 136938  
Ion Ratio Lower Upper  
75 100  
53 89.2 73.5 110.3  
89 56.0 41.6 62.4



#82  
4-Chlorotoluene  
Concen: 48.984 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion: 91 Resp: 1947518  
Ion Ratio Lower Upper  
91 100  
126 40.3 19.7 59.0

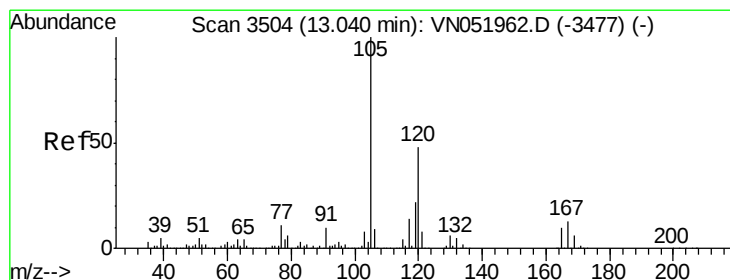
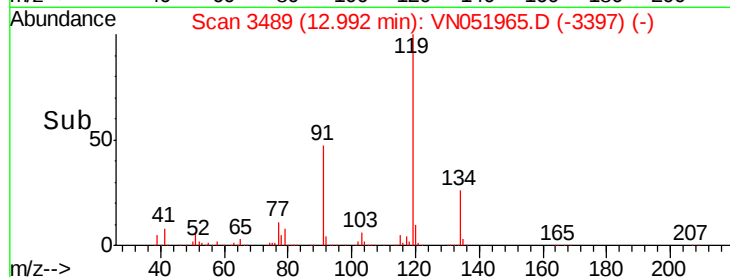
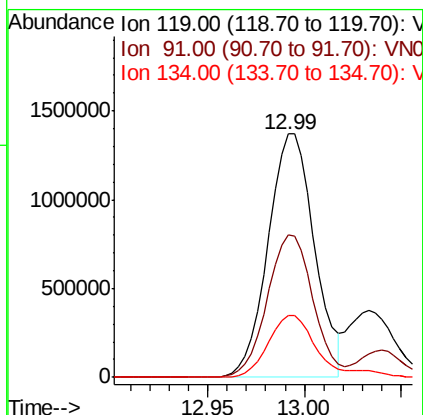
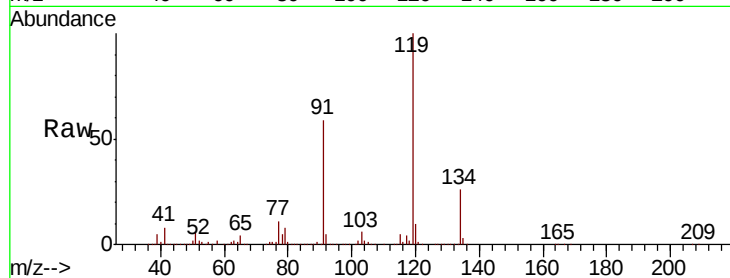




#83  
tert-Butylbenzene  
Concen: 49.305 ug/l  
RT: 12.99 min Scan# 3489  
Delta R.T. -0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

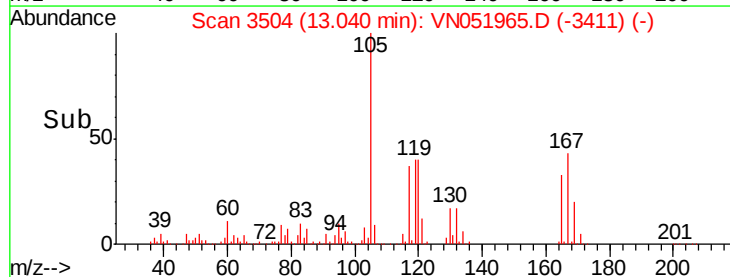
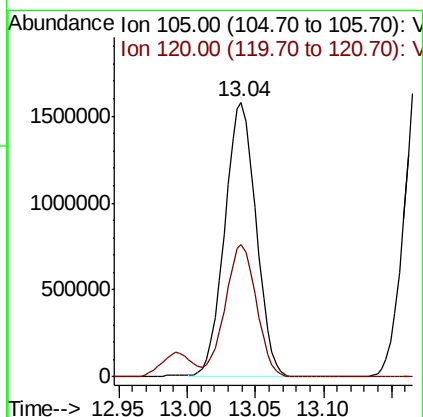
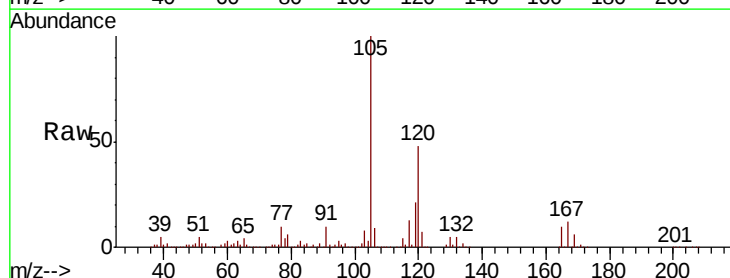
Instrument :  
MSVOA\_N  
ClientSampleId :

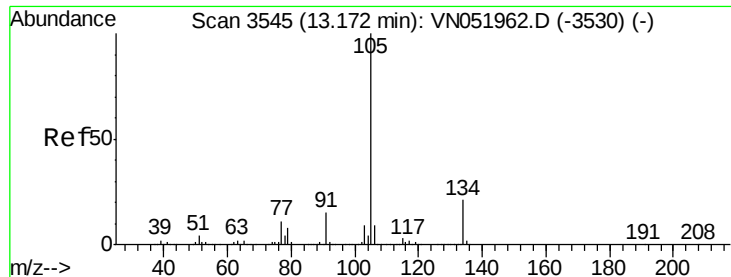
Tot Ion:119 Resp: 2287006  
Ion Ratio Lower Upper  
119 100  
91 57.7 28.8 86.4  
134 27.5 13.4 40.1



#84  
1,2,4-Trimethylbenzene  
Concen: 49.828 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. 0.00 min  
Lab File: VN051965.D  
Acq: 23 Oct 2018 15:33

Tgt Ion:105 Resp: 2520690  
Ion Ratio Lower Upper  
105 100  
120 48.1 23.8 71.5





#85

sec-Butylbenzene

Concen: 50.834 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

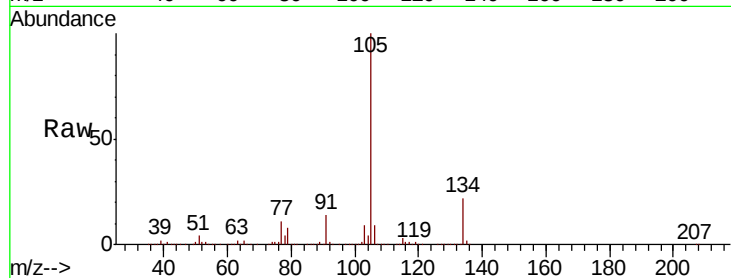
ClientSampled :

Tot Ion:105 Resp: 3079638

Ion Ratio Lower Upper

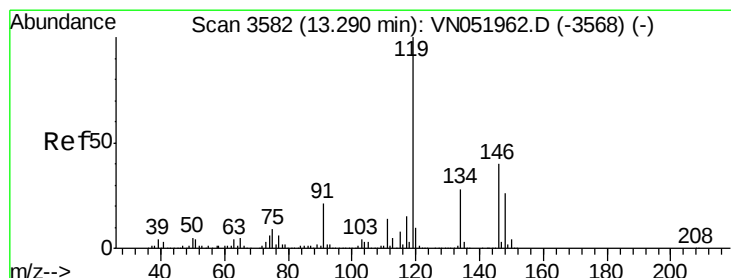
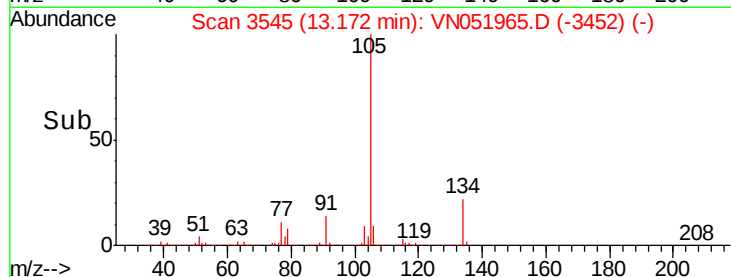
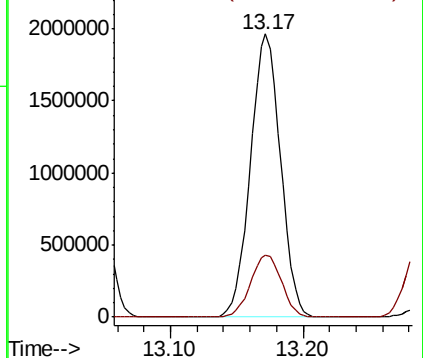
105 100

134 22.5 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: 52.068 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

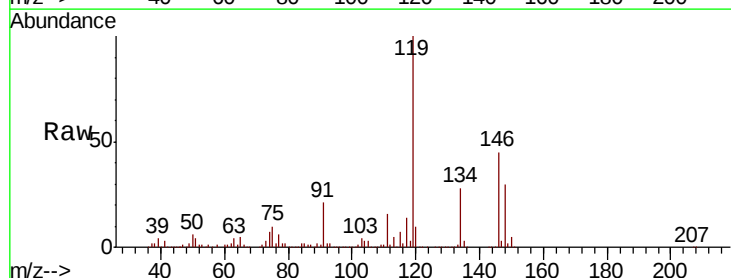
Tgt Ion:119 Resp: 2839938

Ion Ratio Lower Upper

119 100

134 27.6 13.9 41.7

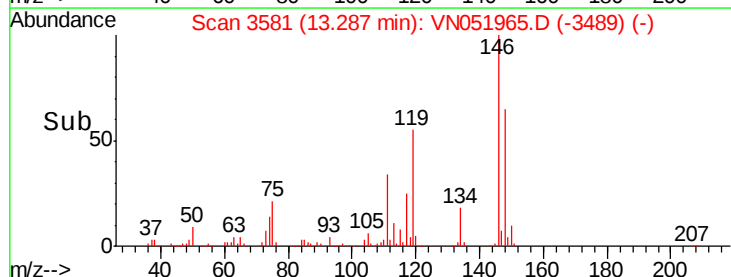
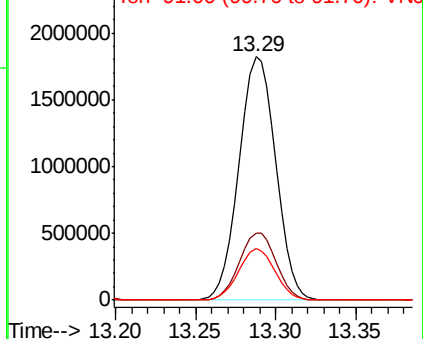
91 21.0 10.6 31.8

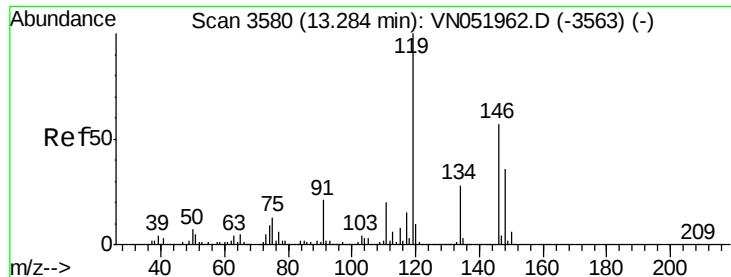


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

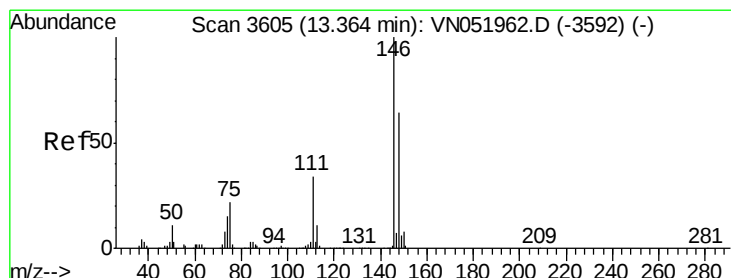
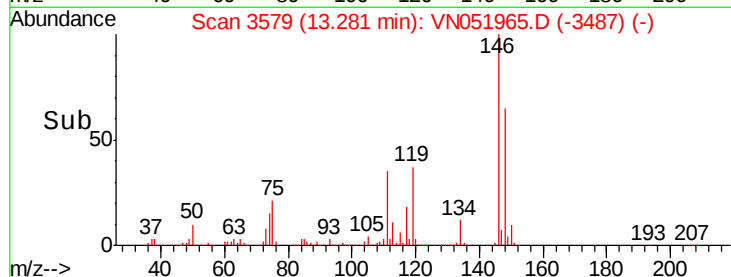
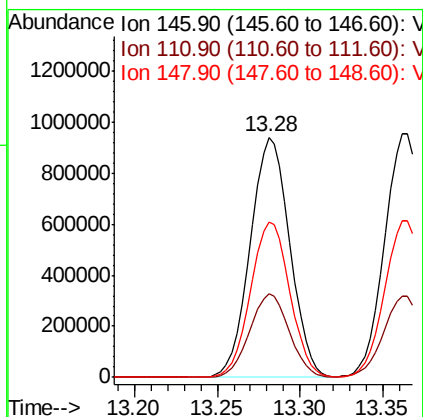
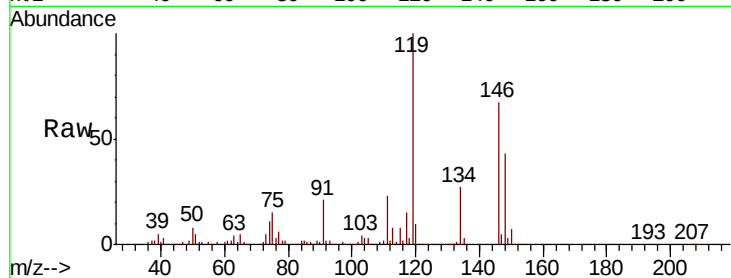




#87  
 1,3-Dichlorobenzene  
 Concen: 50.282 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. -0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

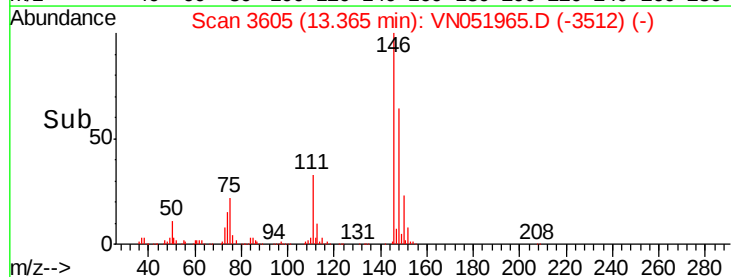
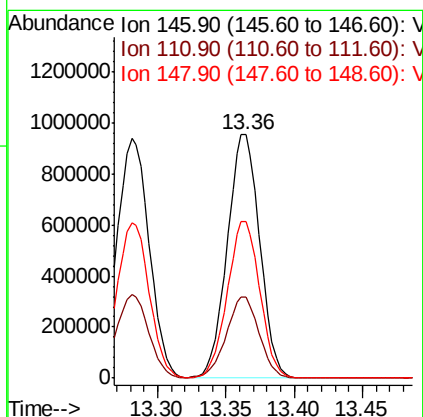
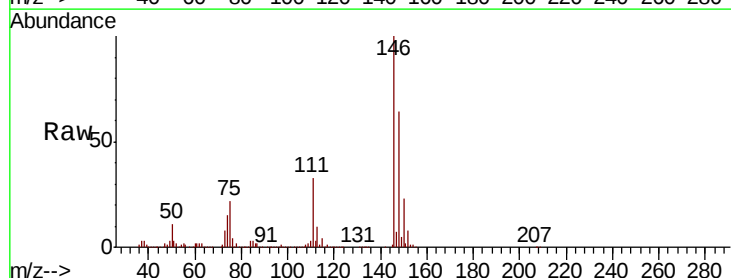
Instrument :  
 MSVOA\_N  
 ClientSampleId :

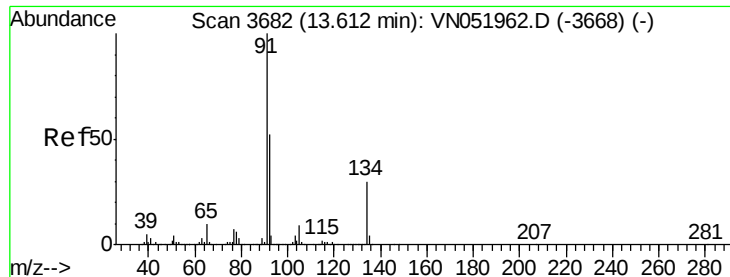
Tot Ion:146 Resp: 1564498  
 Ion Ratio Lower Upper  
 146 100  
 111 34.7 17.6 52.8  
 148 64.4 32.0 96.0



#88  
 1,4-Dichlorobenzene  
 Concen: 51.329 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

Tgt Ion:146 Resp: 1574545  
 Ion Ratio Lower Upper  
 146 100  
 111 33.7 17.3 51.7  
 148 64.5 32.1 96.3





#89

n-Butylbenzene

Concen: 52.032 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

ClientSampleId :

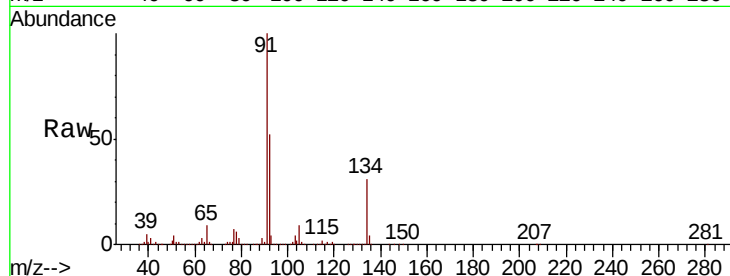
Tot Ion: 91 Resp: 2259772

Ion Ratio Lower Upper

91 100

92 52.1 25.9 77.8

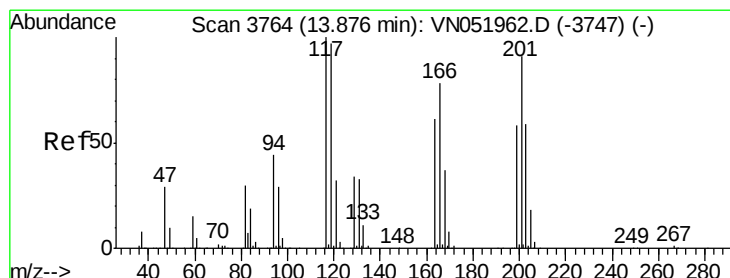
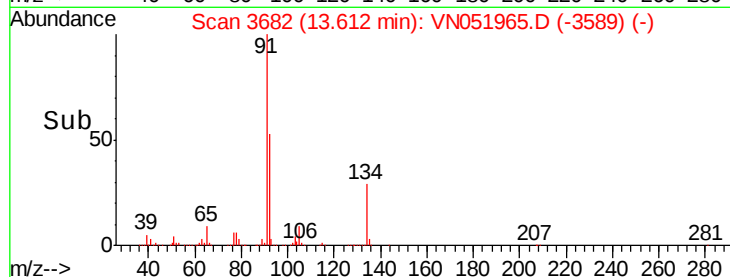
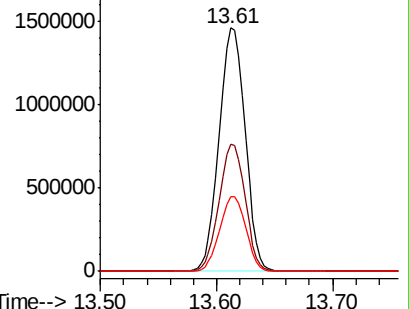
134 30.9 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051962.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051962.D (-3668) (-)



#90

Hexachloroethane

Concen: 52.624 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051965.D

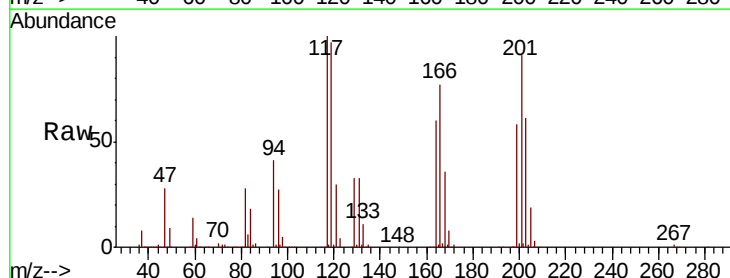
Acq: 23 Oct 2018 15:33

Tgt Ion: 117 Resp: 427601

Ion Ratio Lower Upper

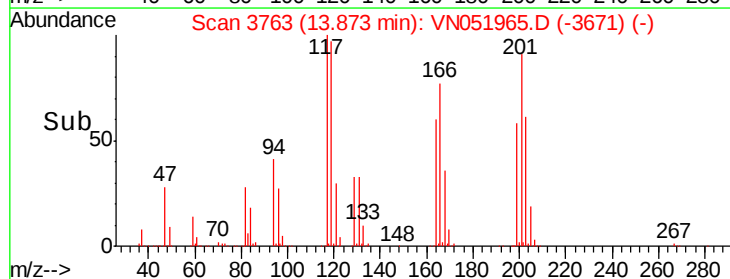
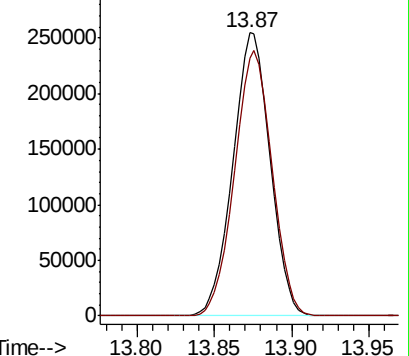
117 100

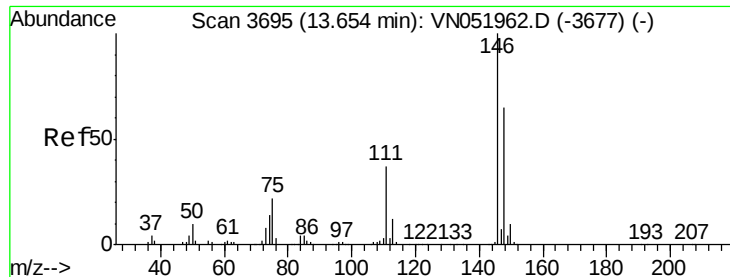
201 94.4 45.6 136.9



Abundance Ion 116.80 (116.50 to 117.50): VN051962.D (-3747) (-)

Ion 200.70 (200.40 to 201.40): VN051962.D (-3747) (-)





#91

1,2-Dichlorobenzene

Concen: 50.063 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA\_N

ClientSampleId :

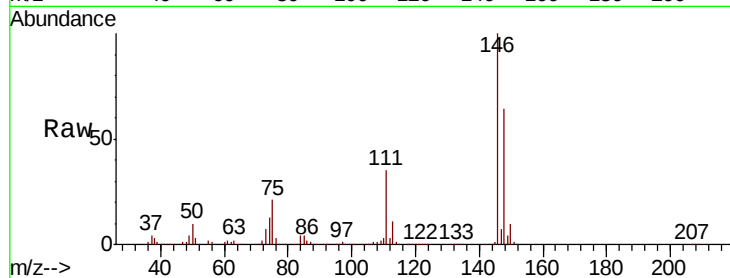
Tot Ion:146 Resp: 1506915

Ion Ratio Lower Upper

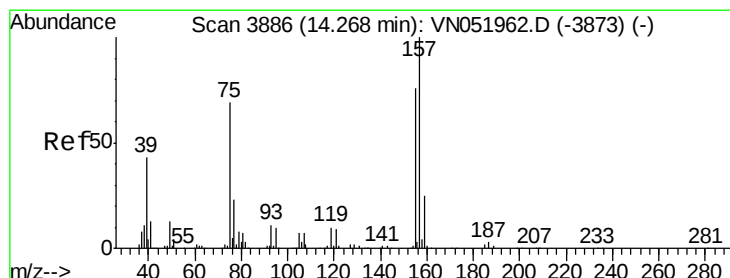
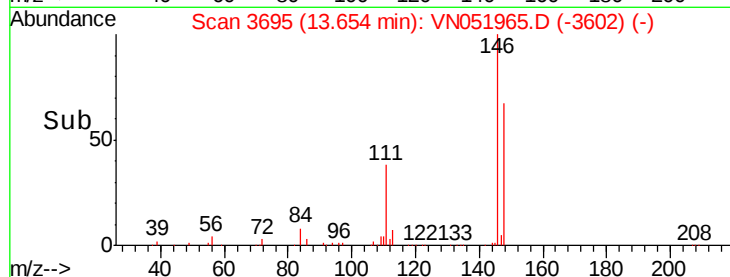
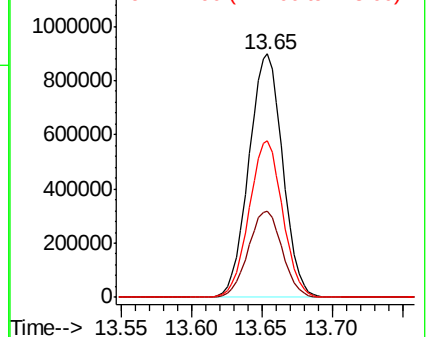
146 100

111 35.6 18.3 54.9

148 63.8 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: 43.982 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

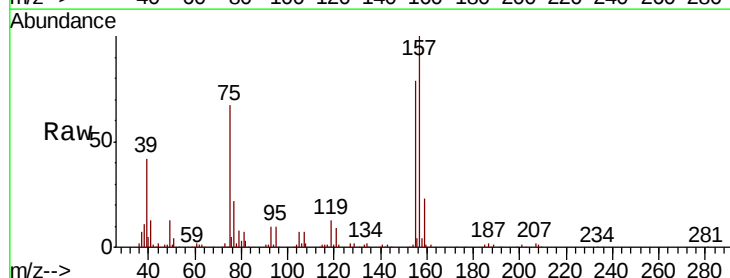
Tgt Ion: 75 Resp: 85295

Ion Ratio Lower Upper

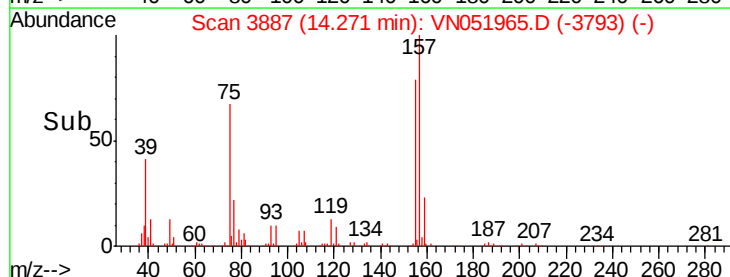
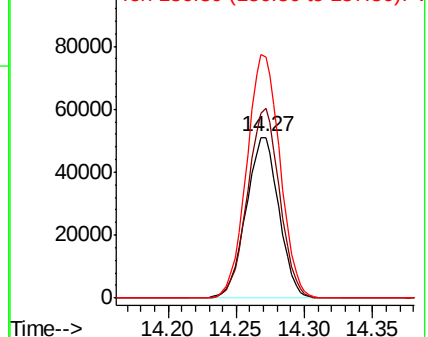
75 100

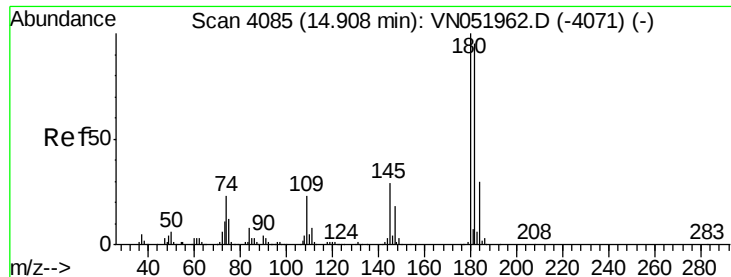
155 115.4 56.0 167.9

157 153.1 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

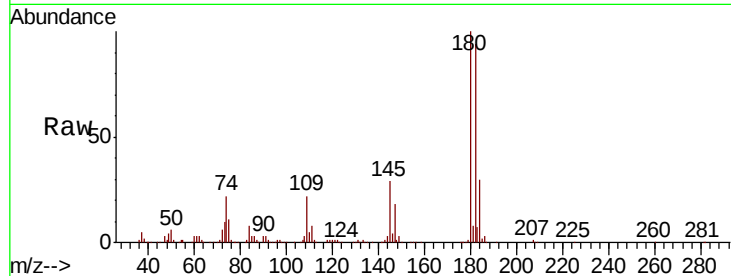




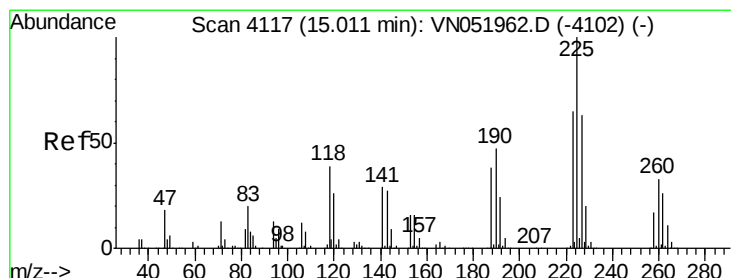
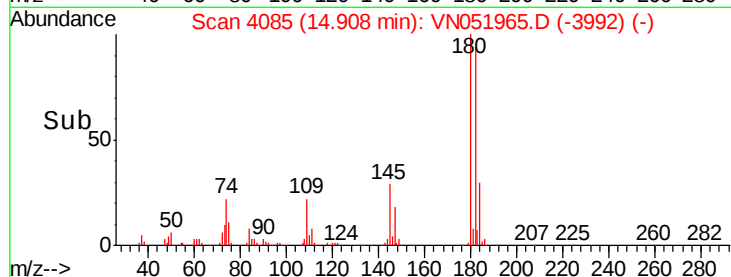
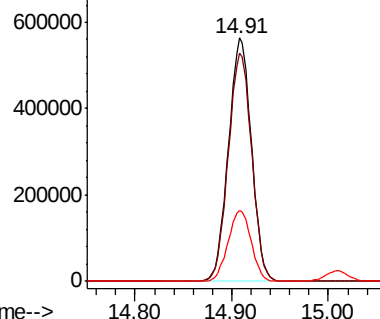
#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.241 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion:180 Resp: 928866  
 Ion Ratio Lower Upper  
 180 100  
 182 95.3 47.8 143.4  
 145 29.2 14.5 43.5

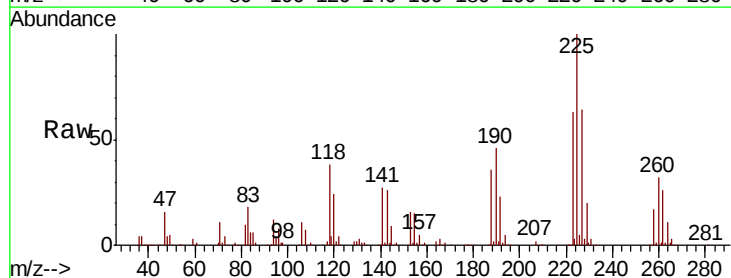


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

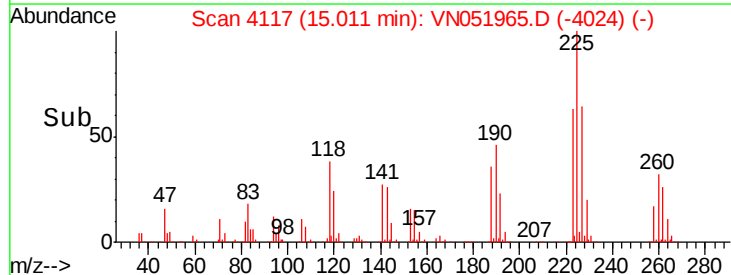
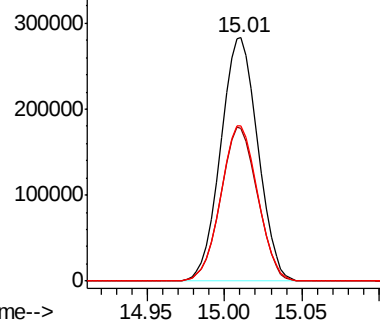


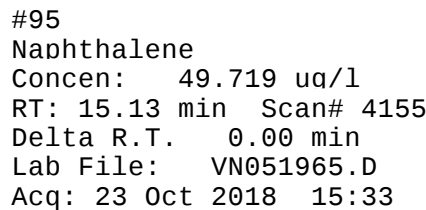
#94  
 Hexachlorobutadiene  
 Concen: 51.865 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN051965.D  
 Acq: 23 Oct 2018 15:33

Tgt Ion:225 Resp: 473847  
 Ion Ratio Lower Upper  
 225 100  
 223 62.7 31.8 95.4  
 227 63.5 31.4 94.2



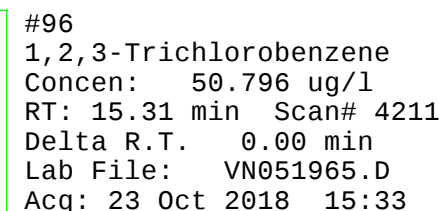
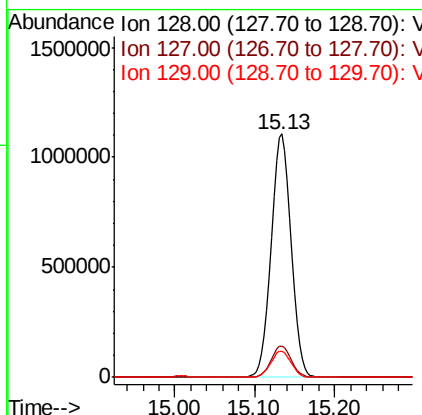
Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





Instrument : MSVOA\_N  
ClientSampleId :

|     |         |       |         |
|-----|---------|-------|---------|
| Tqt | Ion:128 | Resp: | 1919865 |
| Ion | Ratio   | Lower | Upper   |
| 128 | 100     |       |         |
| 127 | 13.0    | 10.3  | 15.5    |
| 129 | 10.9    | 8.6   | 13.0    |



|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:180 | Resp: | 863292 |
| Ion | Ratio   | Lower | Upper  |
| 180 | 100     |       |        |
| 182 | 94.2    | 47.9  | 143.6  |
| 145 | 30.6    | 15.4  | 46.2   |

