

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\  
 Data File : VN058971.D  
 Acq On : 24 Oct 2019 18:52  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Oct 25 01:26:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 19 00:16:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 346137   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 551407   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 523717   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 259989   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.01   | 65  | 241708   | 47.61 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.22%  |      |
| 35) Dibromofluoromethane    | 7.57   | 113 | 179942   | 49.63 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.26%  |      |
| 50) Toluene-d8              | 10.08  | 98  | 701519   | 49.85 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.70%  |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 259092   | 50.13 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.26% |      |

| Target Compounds              |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 204305  | 47.341  | ug/l   | 100    |
| 3) Chloromethane              | 2.04 | 50  | 245552  | 45.941  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.17 | 62  | 257255  | 48.474  | ug/l   | 99     |
| 5) Bromomethane               | 2.54 | 94  | 138288  | 41.611  | ug/l   | 99     |
| 6) Chloroethane               | 2.68 | 64  | 160728  | 47.227  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 314083  | 47.831  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.39 | 74  | 114831  | 50.604  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 176012  | 48.350  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.93 | 142 | 198898  | 41.542  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.75 | 59  | 201487  | 239.169 | ug/l # | 86     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 167719  | 49.152  | ug/l   | 99     |
| 13) Acrolein                  | 3.58 | 56  | 75527   | 130.478 | ug/l   | 98     |
| 14) Allyl chloride            | 4.30 | 41  | 313670  | 45.428  | ug/l   | 93     |
| 15) Acrylonitrile             | 4.96 | 53  | 560735  | 264.610 | ug/l   | 99     |
| 16) Acetone                   | 3.79 | 43  | 549669  | 219.116 | ug/l   | 100    |
| 17) Carbon Disulfide          | 4.03 | 76  | 490764  | 44.648  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.30 | 43  | 294664  | 51.666  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.01 | 73  | 628235  | 52.580  | ug/l   | 98     |
| 20) Methylene Chloride        | 4.53 | 84  | 206471  | 48.202  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 187569  | 49.775  | ug/l   | 96     |
| 22) Diisopropyl ether         | 5.93 | 45  | 729470  | 54.012  | ug/l   | 96     |
| 23) Vinyl Acetate             | 5.87 | 43  | 3074676 | 283.360 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 391847  | 50.037  | ug/l   | 100    |
| 25) 2-Butanone                | 6.81 | 43  | 803696  | 246.806 | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 328717  | 48.528  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.81 | 96  | 218841  | 50.837  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.18 | 49  | 130269  | 49.948  | ug/l   | 100    |
| 29) Tetrahydrofuran           | 7.19 | 42  | 528849  | 265.480 | ug/l   | 100    |
| 30) Chloroform                | 7.35 | 83  | 390801  | 49.749  | ug/l   | 100    |
| 31) Cyclohexane               | 7.63 | 56  | 346899  | 47.549  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 334650  | 50.541  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 290754  | 51.504  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.91 | 43  | 323638  | 52.614  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 292542  | 50.302  | ug/l   | 99     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Oct 25 01:26:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 19 00:16:20 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 326352   | 51.485  | ug/l   | 98       |
| 40) Benzene                    | 8.02  | 78   | 858008   | 51.758  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.19  | 41   | 480534   | 175.402 | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.11  | 62   | 319211   | 49.988  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.15  | 43   | 531127   | 53.839  | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 202657   | 50.185  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 235599   | 51.829  | ug/l   | 99       |
| 46) Dibromomethane             | 9.20  | 93   | 147826   | 51.441  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.39  | 83   | 309910   | 52.324  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.19  | 41   | 244190   | 54.557  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 71400    | 971.771 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 1687440  | 292.848 | ug/l   | 99       |
| 52) Toluene                    | 10.15 | 92   | 534304   | 54.351  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 352112   | 53.702  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 368850   | 52.655  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 215902   | 53.313  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 339012   | 49.842  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 376790   | 53.011  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 743444   | 258.608 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 1257048  | 282.317 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 233385   | 53.542  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 221399   | 53.421  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 182514   | 49.762  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 558028   | 52.337  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 214486   | 53.309  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1033983  | 55.282  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.62 | 106  | 759877   | 109.551 | ug/l   | 98       |
| 69) o-Xylene                   | 11.95 | 106  | 359446   | 54.335  | ug/l   | 98       |
| 70) Styrene                    | 11.97 | 104  | 617250   | 50.530  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 168595   | 54.038  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1001616  | 52.716  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 469307   | 54.482  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 338300   | 50.637  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 450137   | 74.705  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 237041   | 50.615  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 1191612  | 53.057  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 704975   | 51.286  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 860202   | 53.885  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 114148   | 49.351  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 730378   | 51.994  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.00 | 119  | 722263   | 52.909  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 857733   | 54.474  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 978574   | 53.767  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 882572   | 54.958  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 431103   | 51.481  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 424495   | 50.632  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 795407   | 53.918  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 163091   | 50.118  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 426512   | 51.820  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 72036    | 47.672  | ug/l   | 98       |

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Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 27 Sample Multiplier: 1

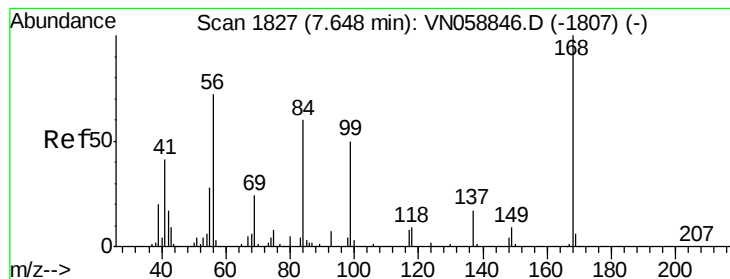
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Oct 25 01:26:53 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 19 00:16:20 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 249066   | 48.167 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 130522   | 48.927 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 718983   | 48.357 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 246525   | 48.927 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

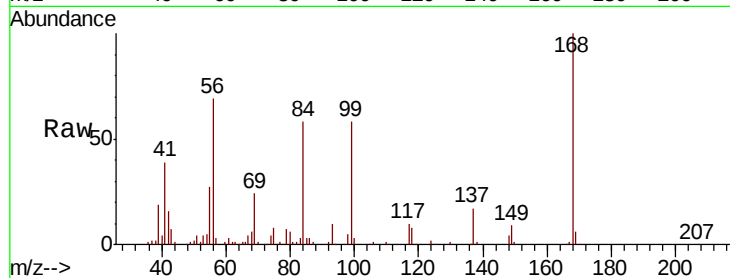
VSTDCCC050EC

Tot Ion:168 Resp: 346137

Ion Ratio Lower Upper

168 100

99 57.7 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

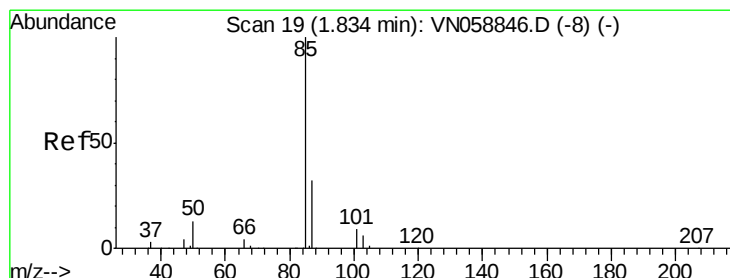
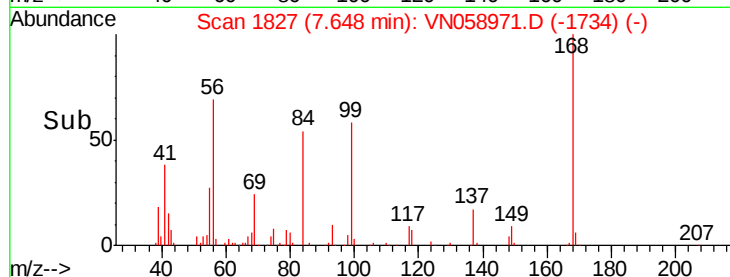
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.341 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058971.D

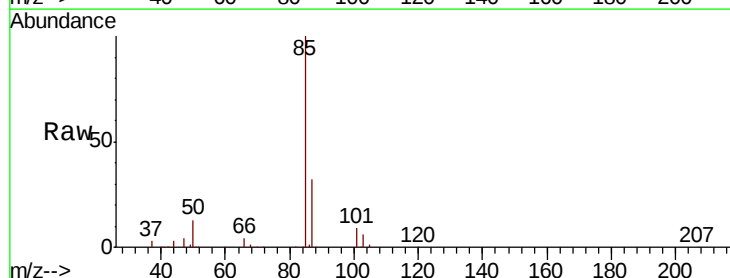
Acq: 24 Oct 2019 18:52

Tgt Ion: 85 Resp: 204305

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

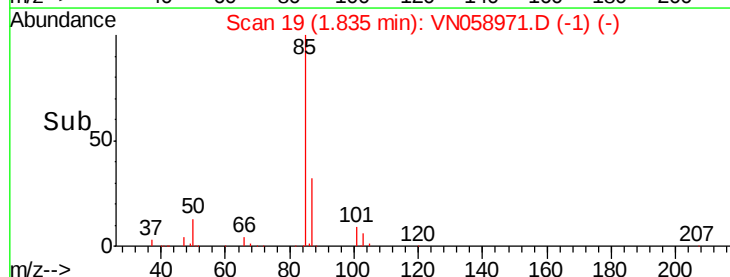
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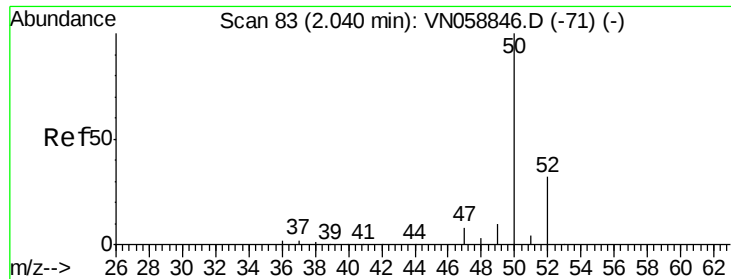
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Time-->





#3

Chloromethane

Concen: 45.941 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

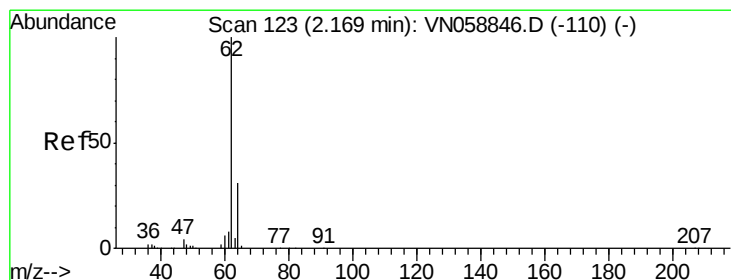
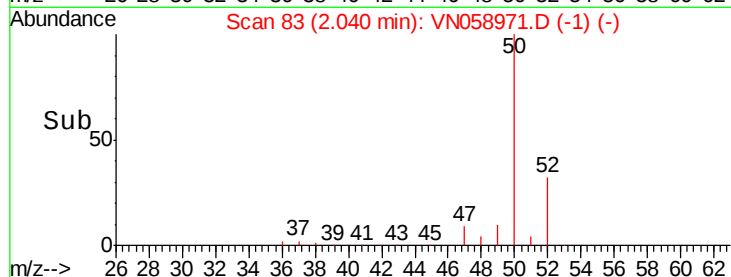
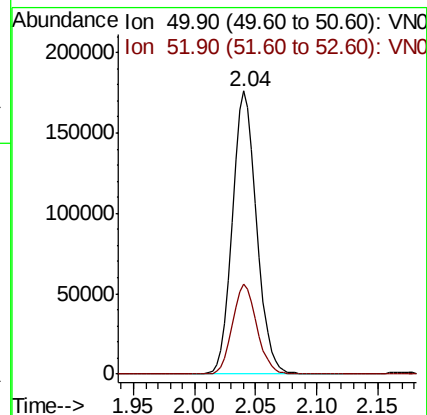
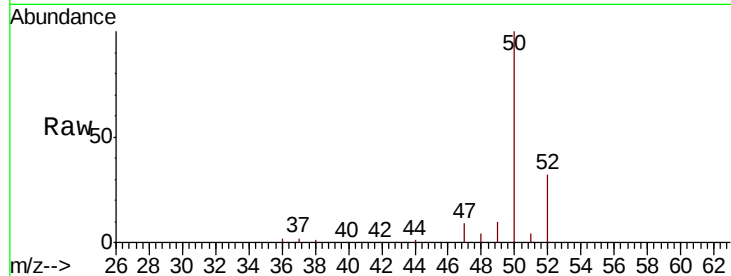
VSTDCCC050EC

Tot Ion: 50 Resp: 245552

Ion Ratio Lower Upper

50 100

52 31.7 25.7 38.5



#4

Vinyl Chloride

Concen: 48.474 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058971.D

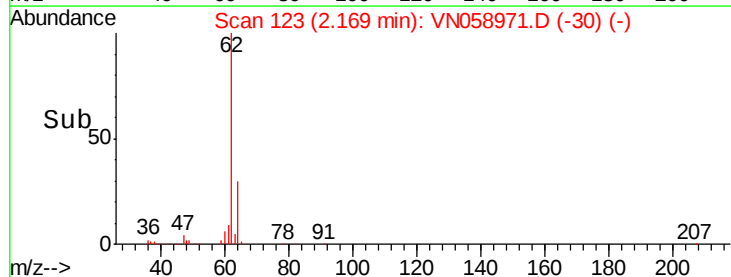
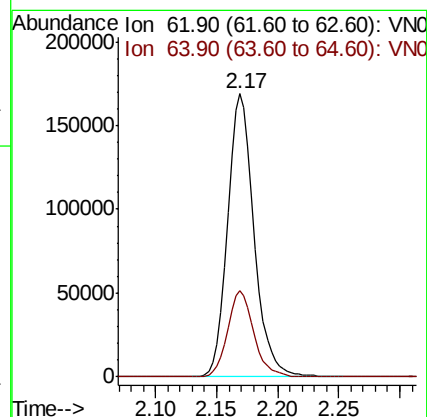
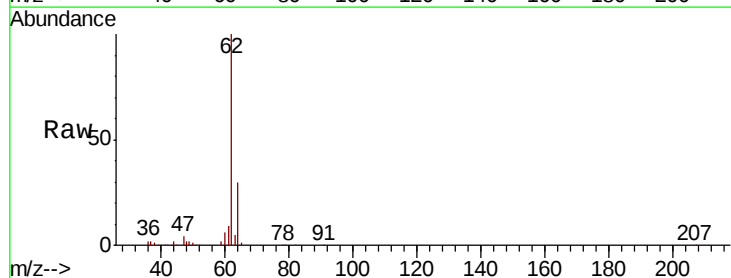
Acq: 24 Oct 2019 18:52

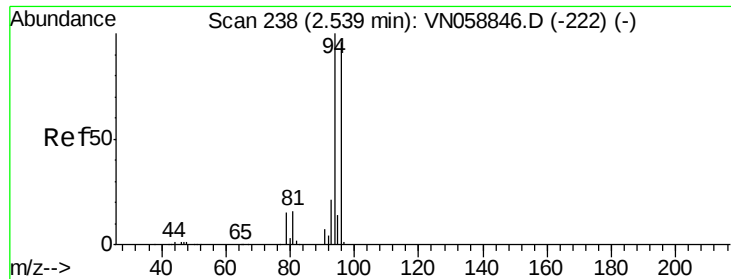
Tgt Ion: 62 Resp: 257255

Ion Ratio Lower Upper

62 100

64 30.3 24.6 36.8





#5

Bromomethane

Concen: 41.611 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

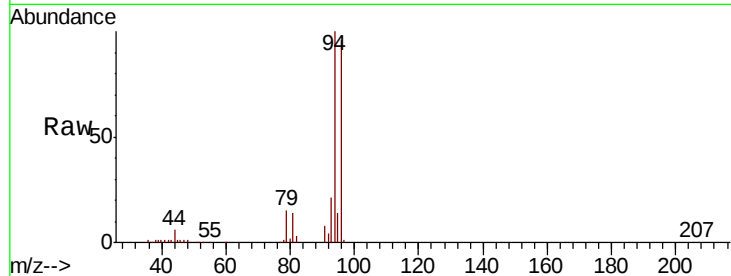
VSTDCCC050EC

Tot Ion: 94 Resp: 138288

Ion Ratio Lower Upper

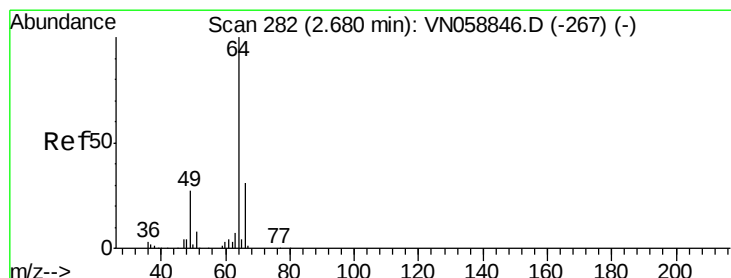
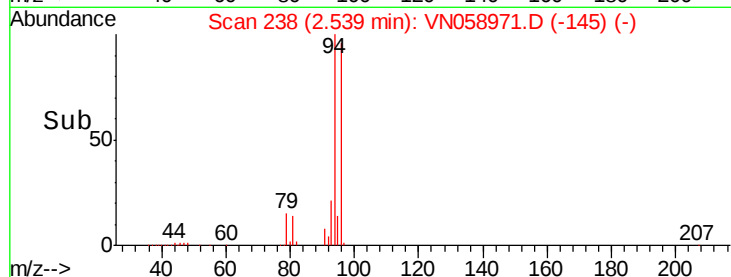
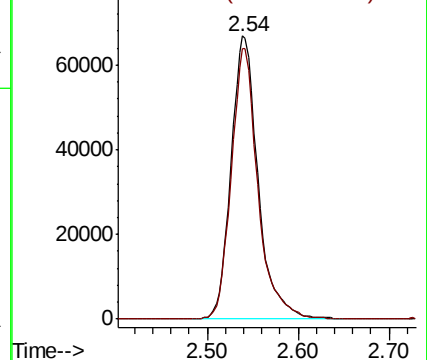
94 100

96 95.7 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.227 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058971.D

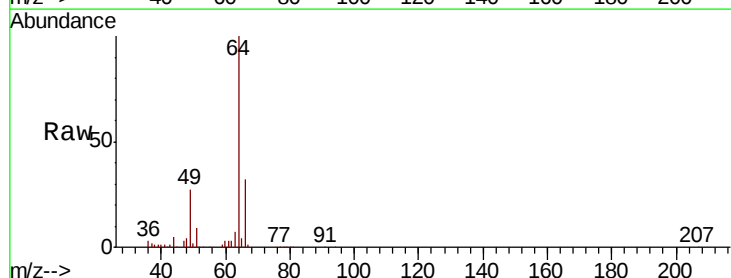
Acq: 24 Oct 2019 18:52

Tgt Ion: 64 Resp: 160728

Ion Ratio Lower Upper

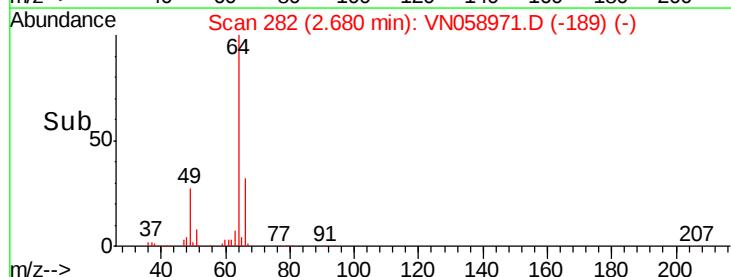
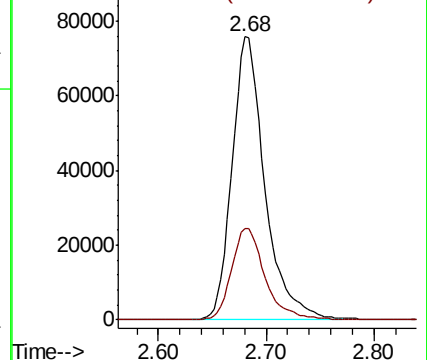
64 100

66 32.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



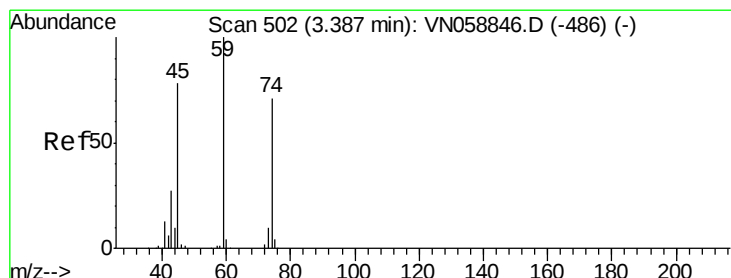
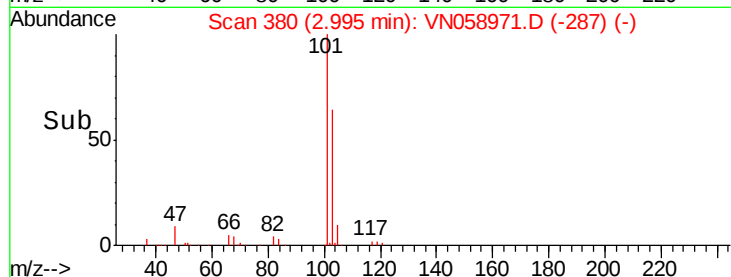
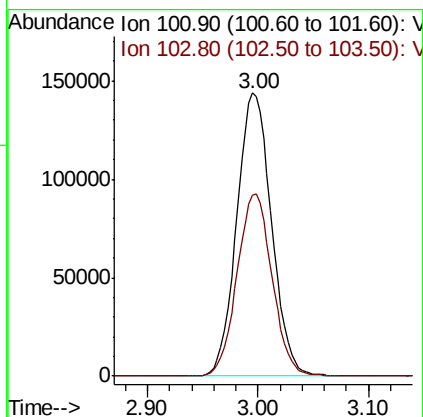
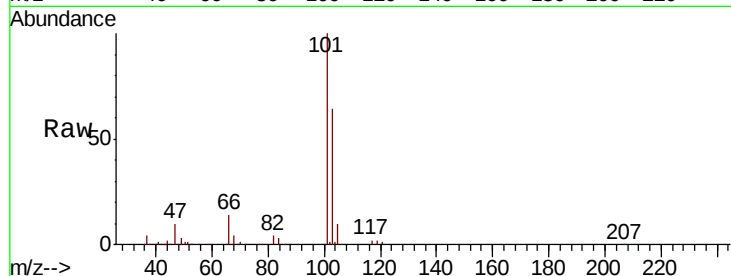


#7

Trichlorofluoromethane  
Concen: 47.831 ug/l  
RT: 3.00 min Scan# 380  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

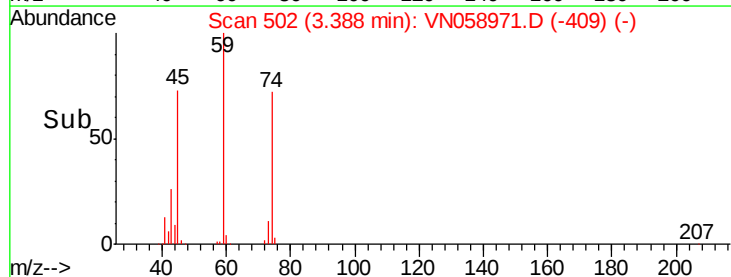
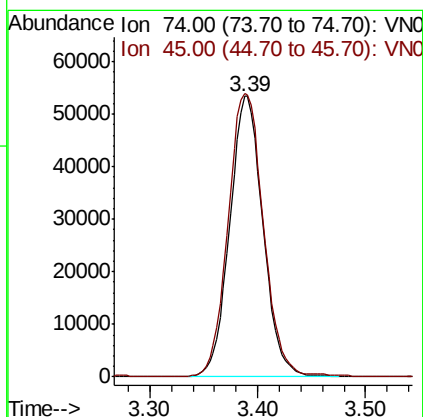
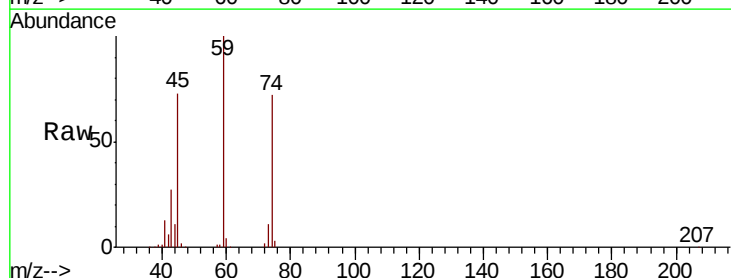
Tot Ion:101 Resp: 314083  
Ion Ratio Lower Upper  
101 100  
103 64.1 52.2 78.2

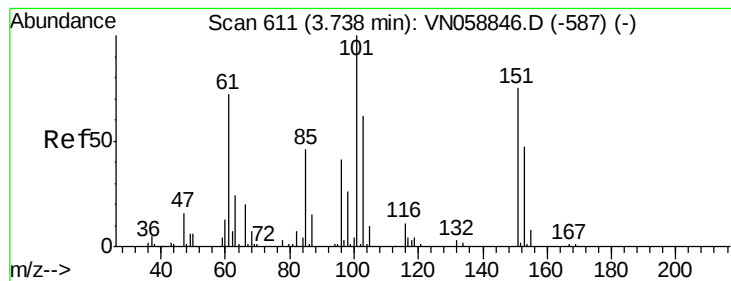


#8

Diethyl Ether  
Concen: 50.604 ug/l  
RT: 3.39 min Scan# 502  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Tgt Ion: 74 Resp: 114831  
Ion Ratio Lower Upper  
74 100  
45 107.1 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.350 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

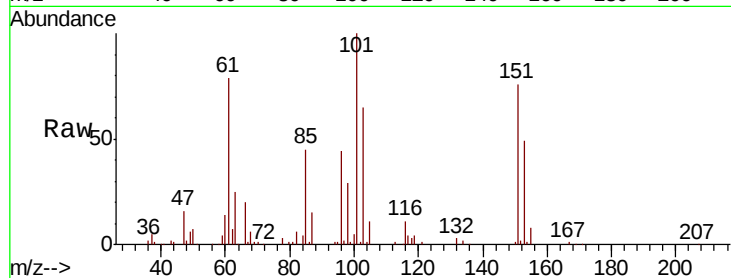
Tot Ion:101 Resp: 176012

Ion Ratio Lower Upper

101 100

85 45.7 37.2 55.8

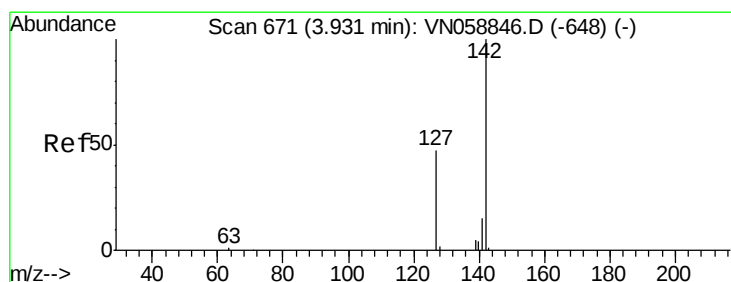
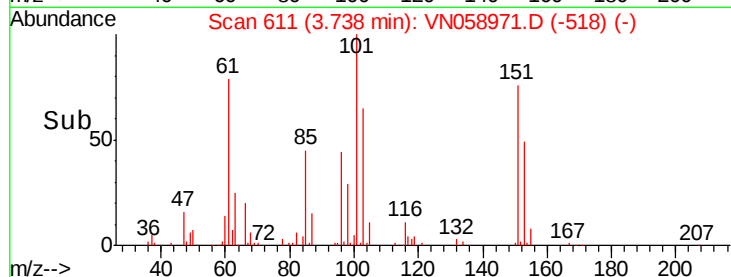
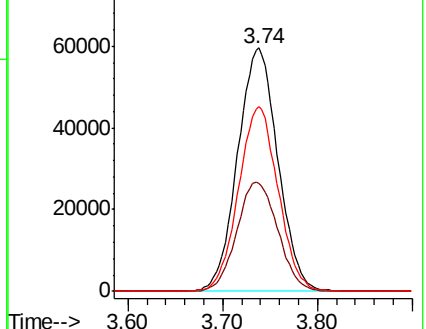
151 74.7 59.9 89.9



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: 41.542 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

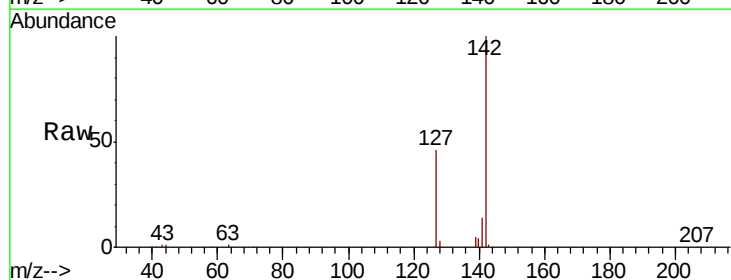
Tgt Ion:142 Resp: 198898

Ion Ratio Lower Upper

142 100

127 46.4 36.6 54.8

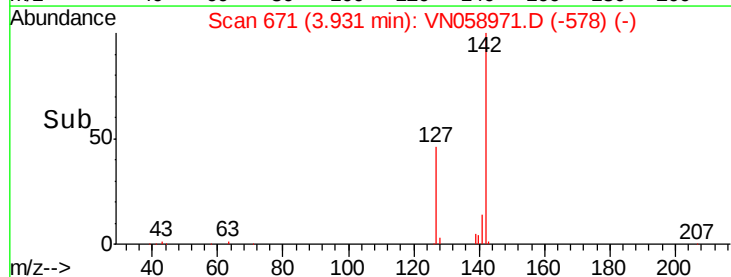
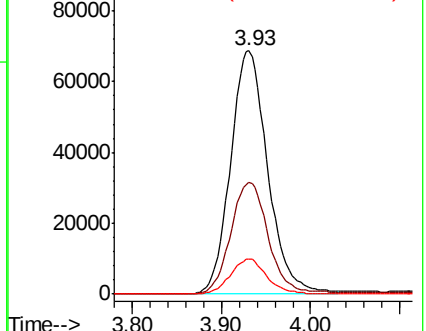
141 14.0 11.4 17.2



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



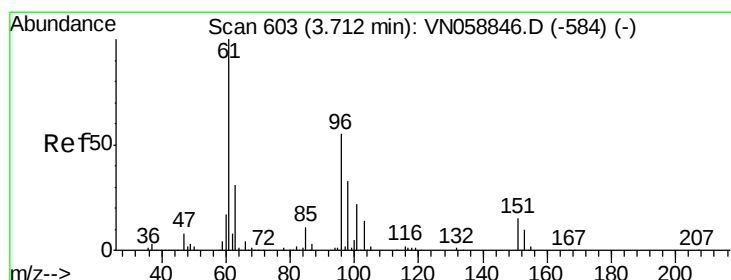
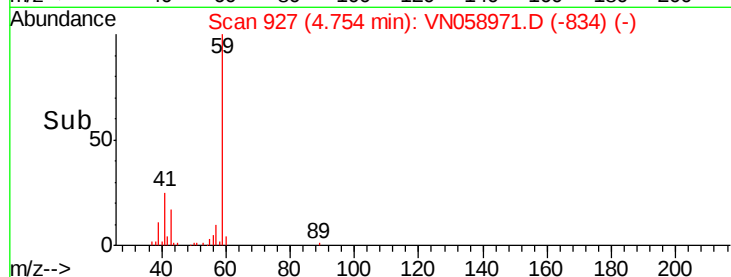
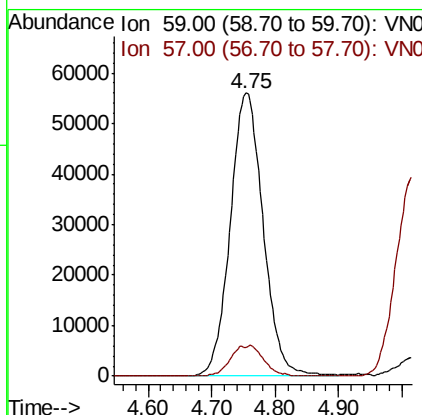
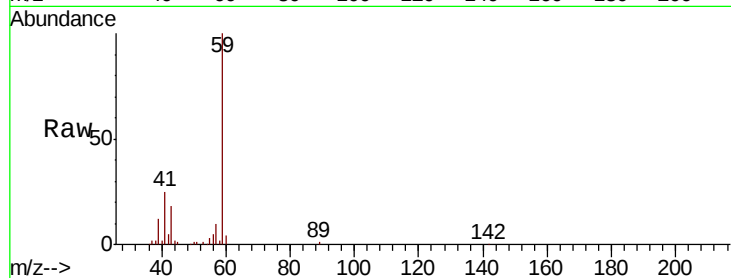


#11

Tert butyl alcohol  
Concen: 239.169 ug/l  
RT: 4.75 min Scan# 927  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

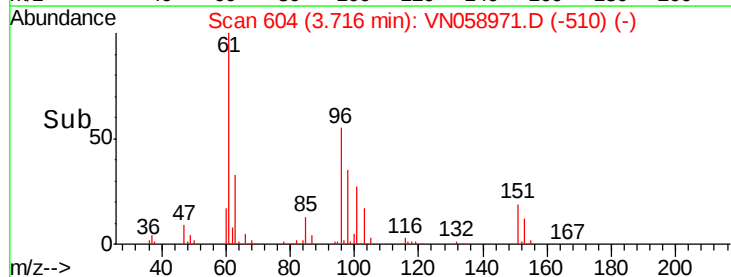
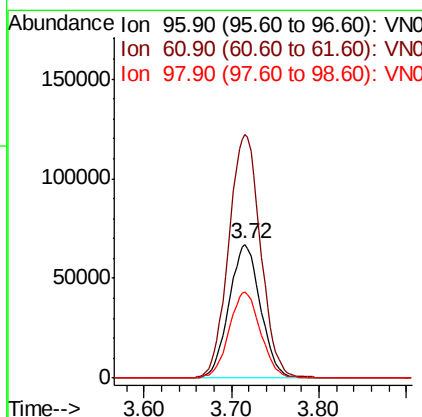
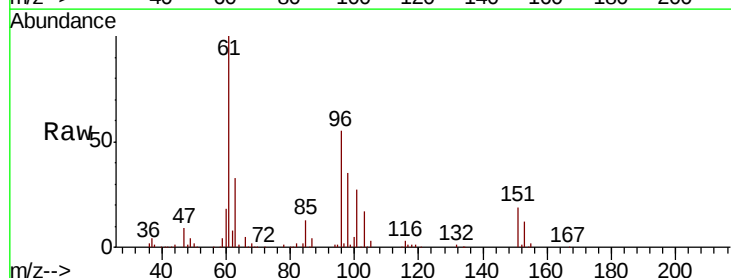
Tot Ion: 59 Resp: 201487  
Ion Ratio Lower Upper  
59 100  
57 5.4 8.6 12.8#

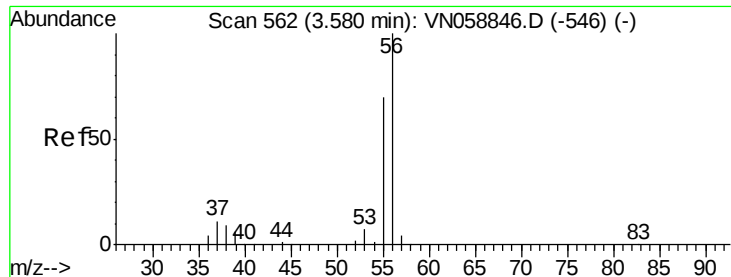


#12

1,1-Dichloroethene  
Concen: 49.152 ug/l  
RT: 3.72 min Scan# 604  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Tgt Ion: 96 Resp: 167719  
Ion Ratio Lower Upper  
96 100  
61 182.1 146.2 219.2  
98 64.3 48.7 73.1





#13

Acrolein

Concen: 130.478 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

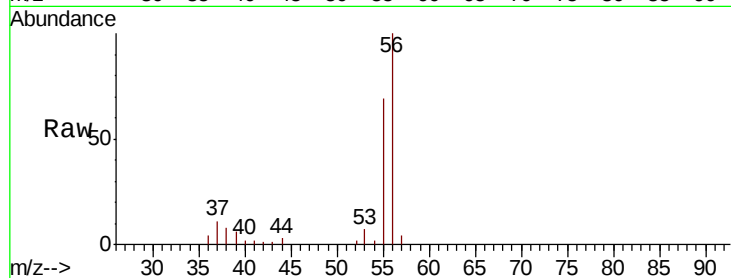
VSTDCCC050EC

Tot Ion: 56 Resp: 75527

Ion Ratio Lower Upper

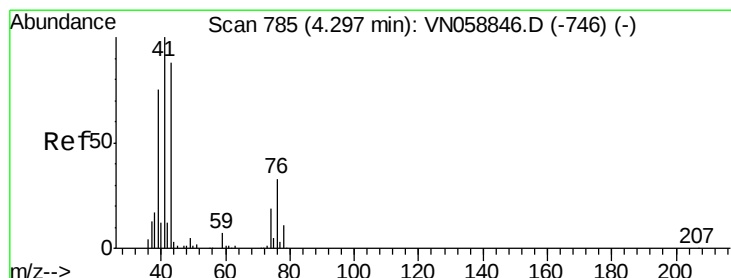
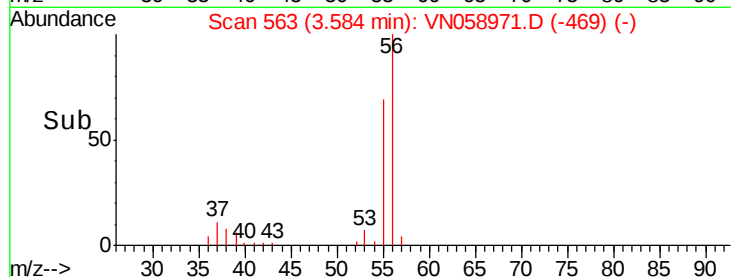
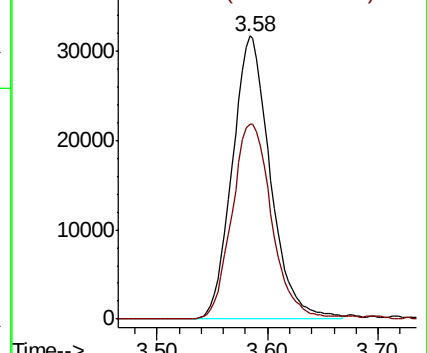
56 100

55 72.2 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.428 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

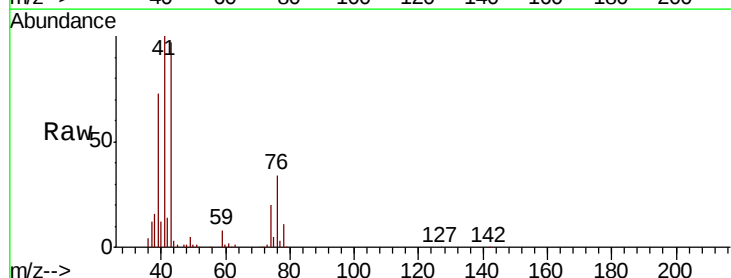
Tgt Ion: 41 Resp: 313670

Ion Ratio Lower Upper

41 100

39 75.3 55.9 83.9

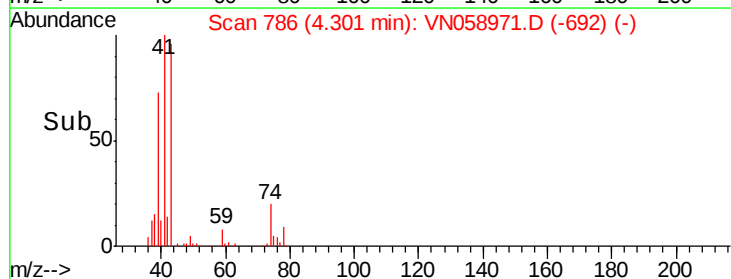
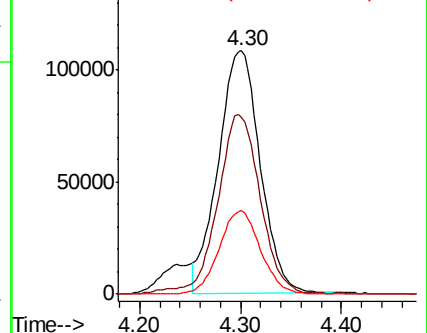
76 33.9 24.1 36.1

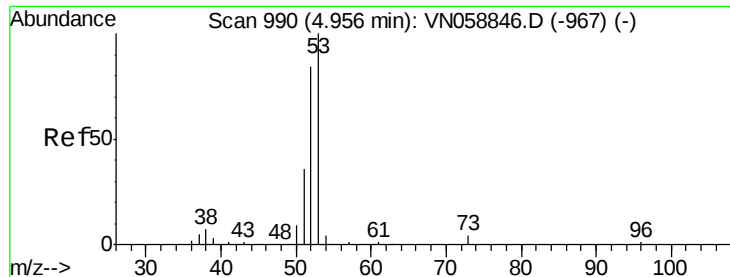


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 264.610 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

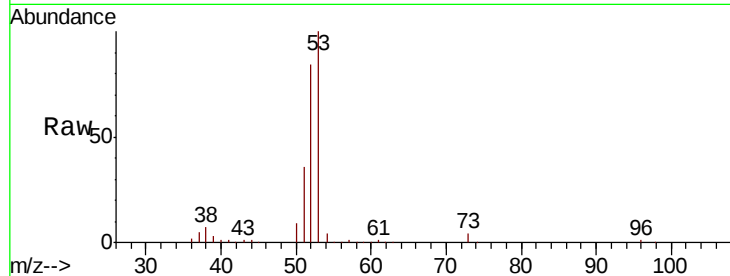
Tot Ion: 53 Resp: 560735

Ion Ratio Lower Upper

53 100

52 82.2 66.6 99.8

51 36.6 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN058846.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN058846.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN058846.D (-967) (-)

4.96

200000

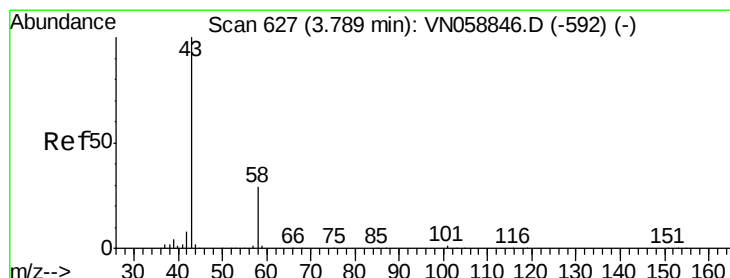
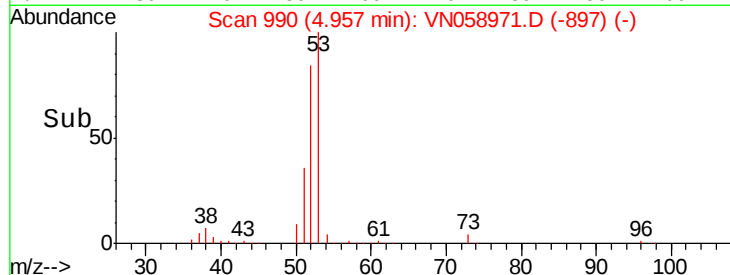
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 219.116 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058971.D

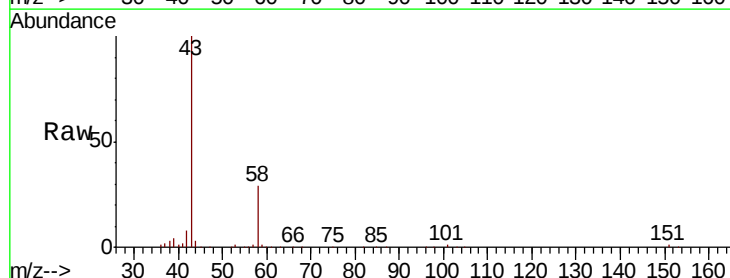
Acq: 24 Oct 2019 18:52

Tgt Ion: 43 Resp: 549669

Ion Ratio Lower Upper

43 100

58 29.2 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)

250000

200000

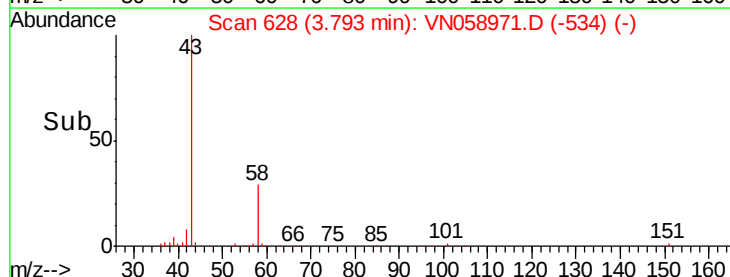
150000

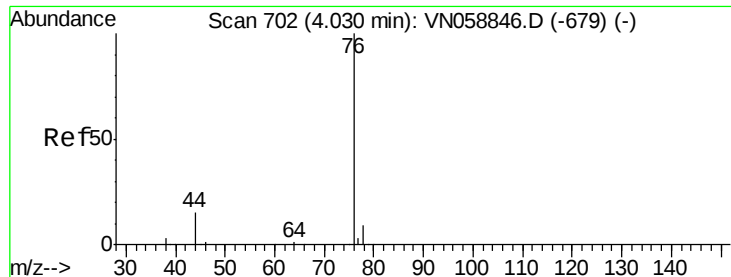
100000

50000

0

Time-->

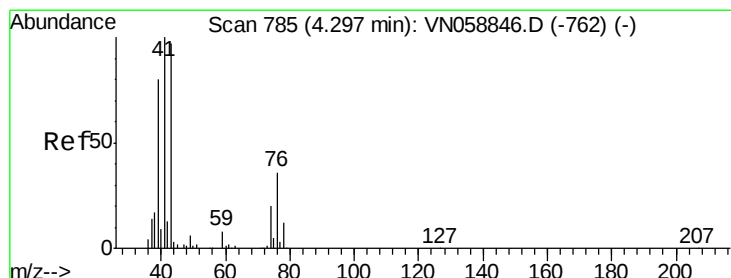
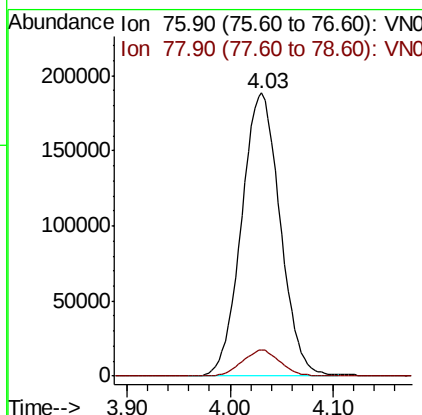
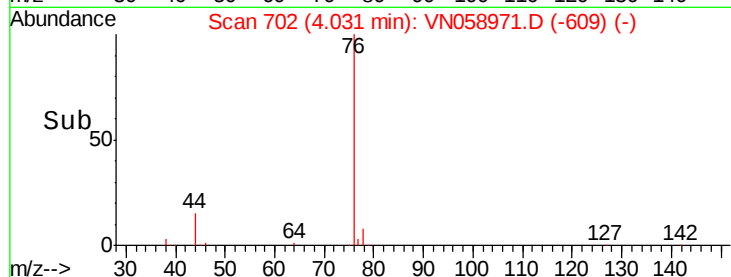
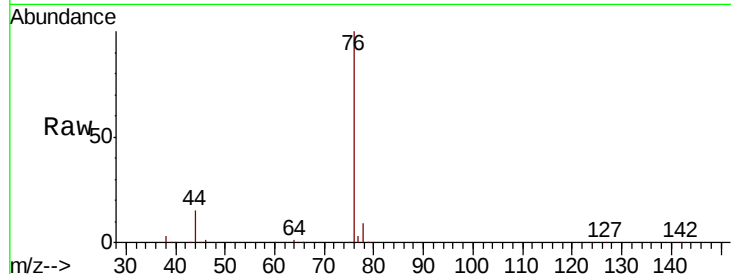




#17  
Carbon Disulfide  
Concen: 44.648 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

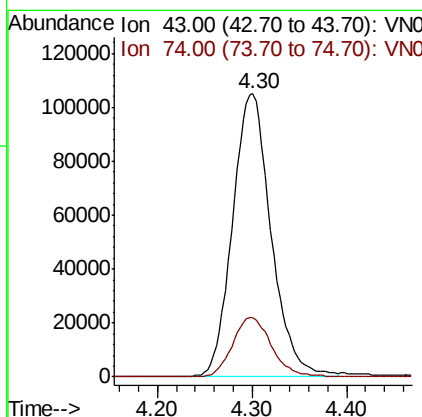
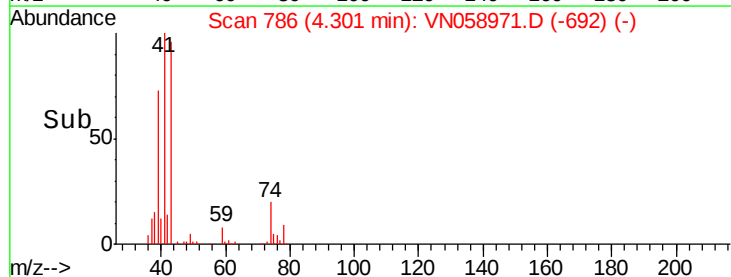
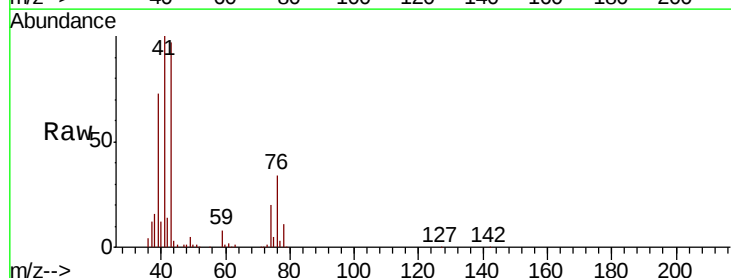
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

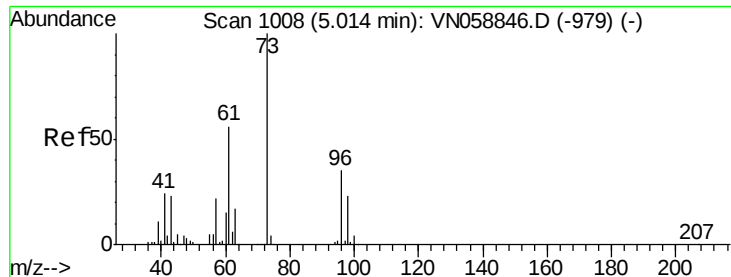
Tot Ion: 76 Resp: 490764  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.1 10.7



#18  
Methyl Acetate  
Concen: 51.666 ug/l  
RT: 4.30 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Tgt Ion: 43 Resp: 294664  
Ion Ratio Lower Upper  
43 100  
74 21.6 17.1 25.7

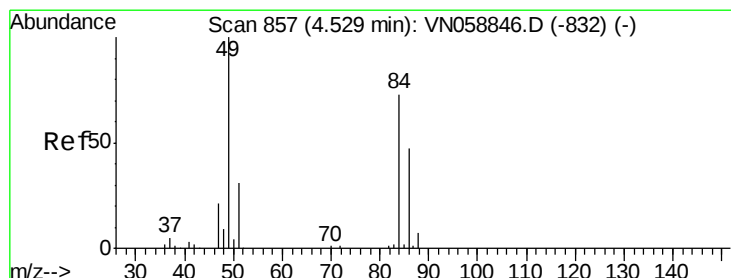
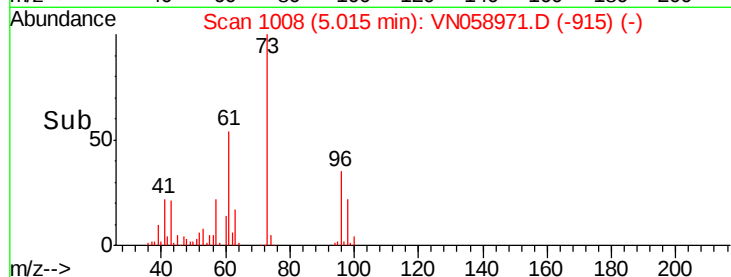
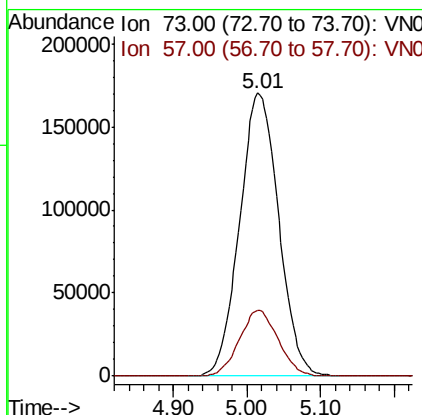
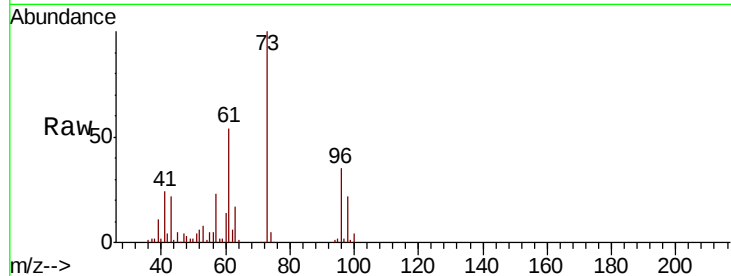




#19  
Methyl tert-butyl Ether  
Concen: 52.580 ug/l  
RT: 5.01 min Scan# 1008  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

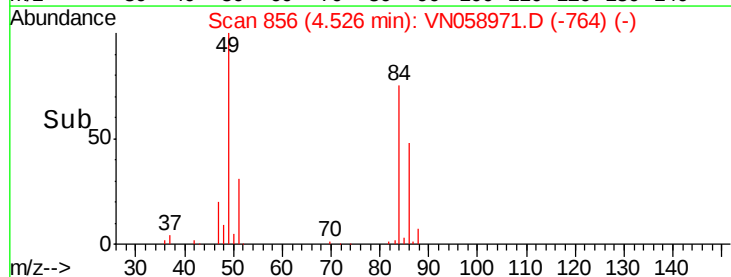
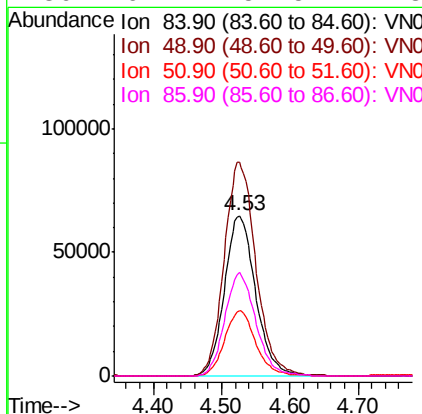
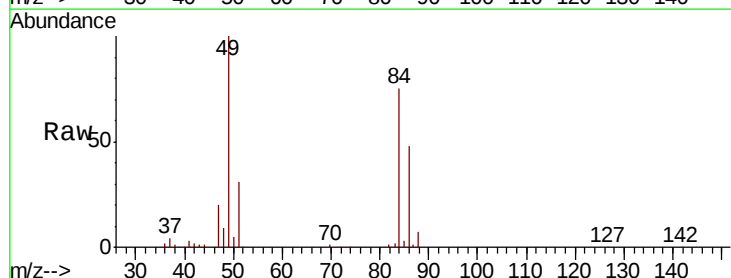
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

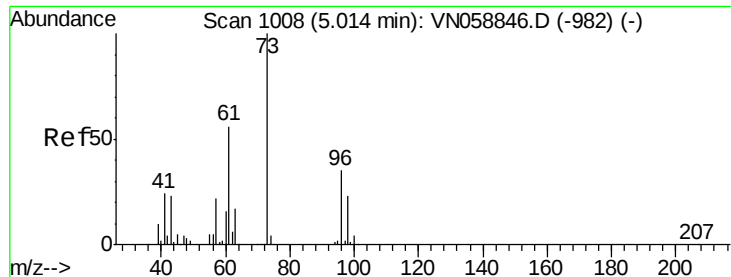
Tot Ion: 73 Resp: 628235  
Ion Ratio Lower Upper  
73 100  
57 23.2 17.9 26.9



#20  
Methylene Chloride  
Concen: 48.202 ug/l  
RT: 4.53 min Scan# 856  
Delta R.T. -0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Tgt Ion: 84 Resp: 206471  
Ion Ratio Lower Upper  
84 100  
49 133.2 109.6 164.4  
51 41.0 33.8 50.6  
86 64.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.775 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

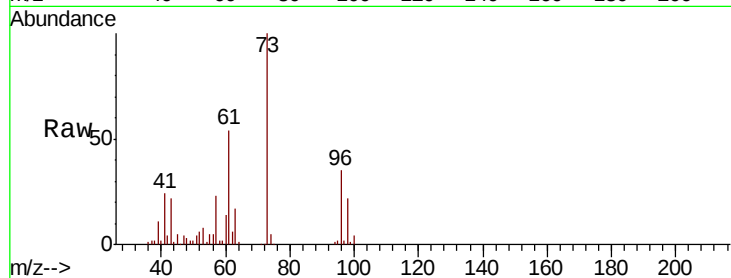
Tot Ion: 96 Resp: 187569

Ion Ratio Lower Upper

96 100

61 153.9 126.7 190.1

98 61.8 52.0 78.0

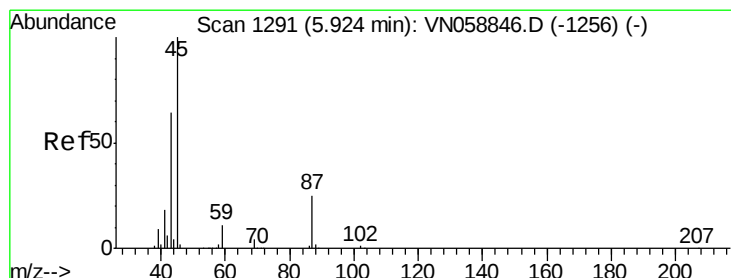
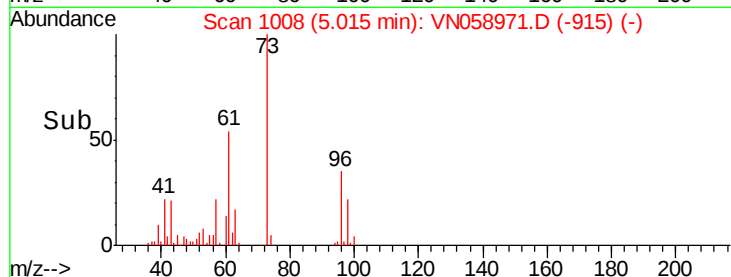
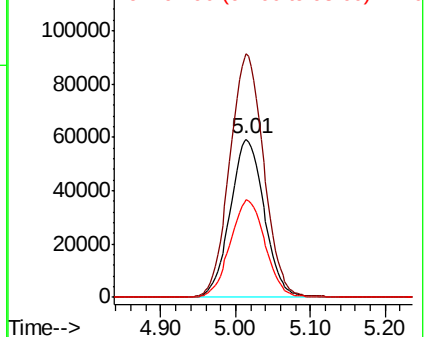


Abundance

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: 54.012 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Tgt Ion: 45 Resp: 729470

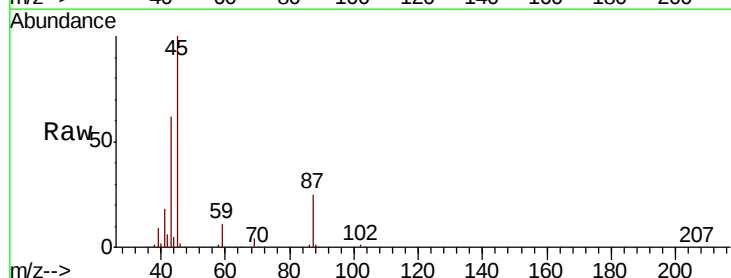
Ion Ratio Lower Upper

45 100

43 60.8 52.9 79.3

87 25.1 20.2 30.4

59 11.2 8.8 13.2



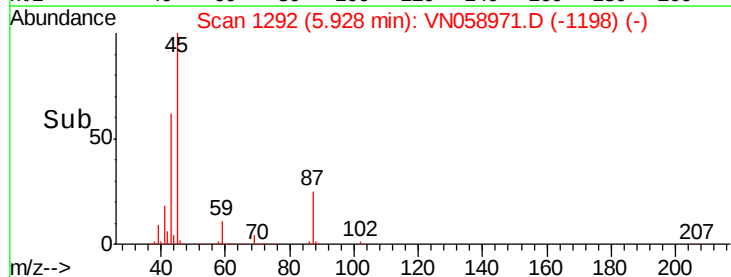
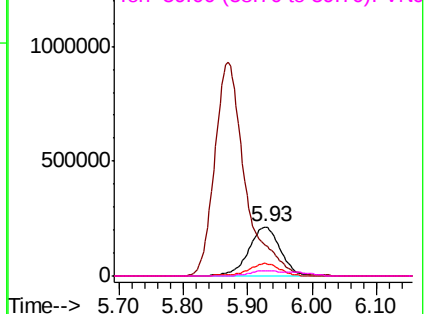
Abundance

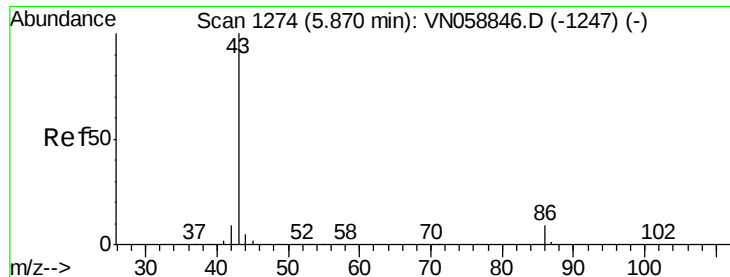
Ion 45.00 (44.70 to 45.70): VN0

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: 283.360 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleID :

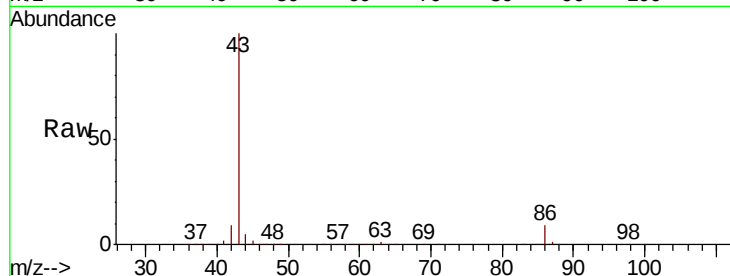
VSTDCCC050EC

Tot Ion: 43 Resp: 3074676

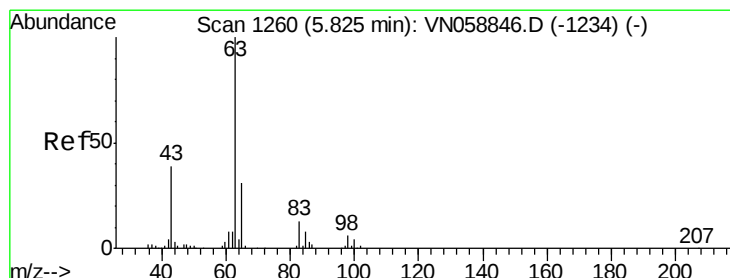
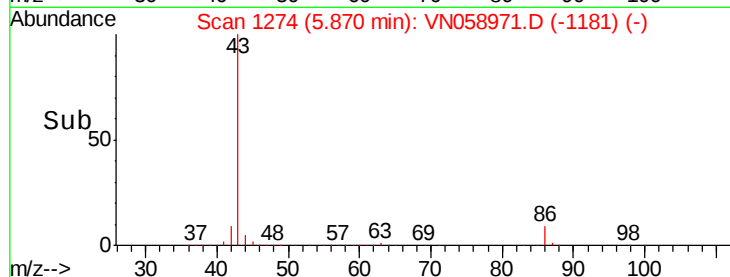
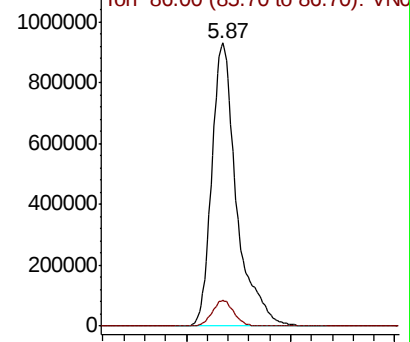
Ion Ratio Lower Upper

43 100

86 9.0 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 50.037 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

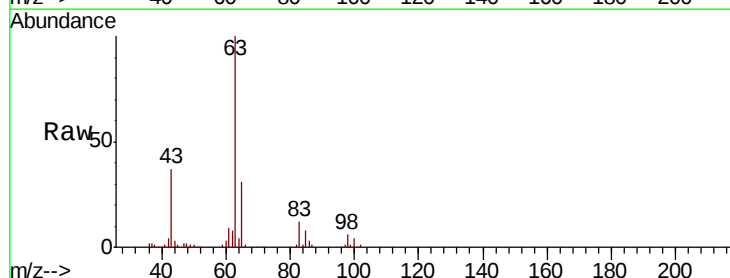
Tgt Ion: 63 Resp: 391847

Ion Ratio Lower Upper

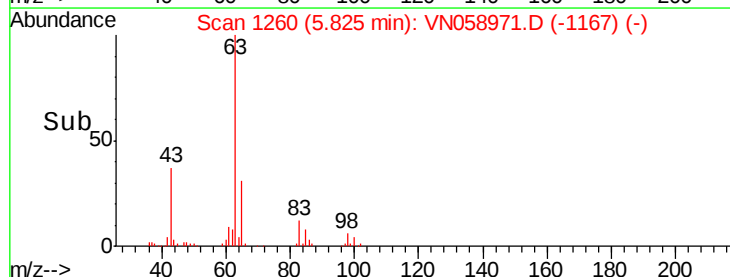
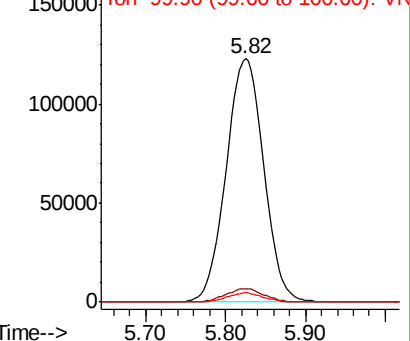
63 100

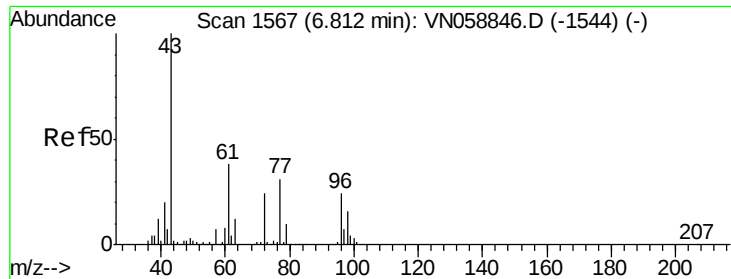
98 5.5 2.8 8.4

100 4.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-1234) (-)





#25

2-Butanone

Concen: 246.806 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

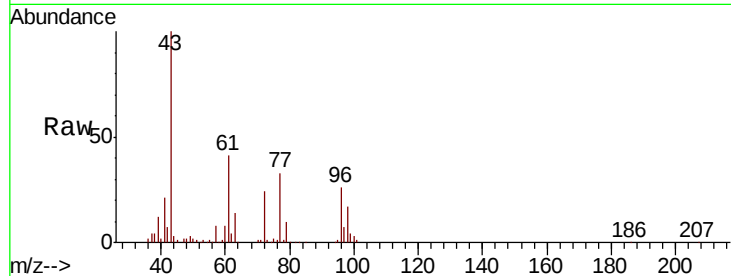
VSTDCCC050EC

Tot Ion: 43 Resp: 803696

Ion Ratio Lower Upper

43 100

72 23.9 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

300000

250000

200000

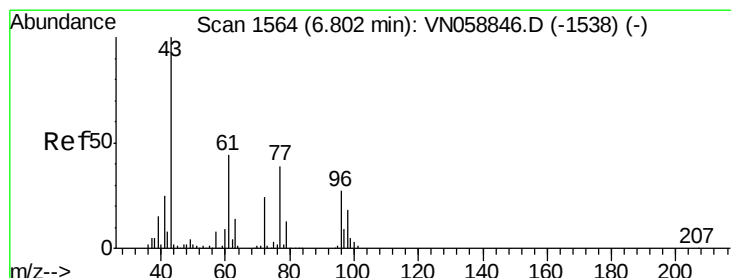
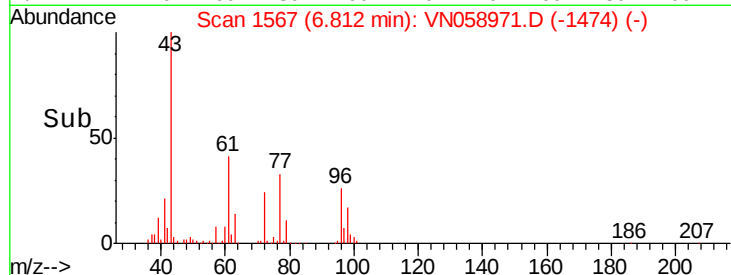
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.528 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058971.D

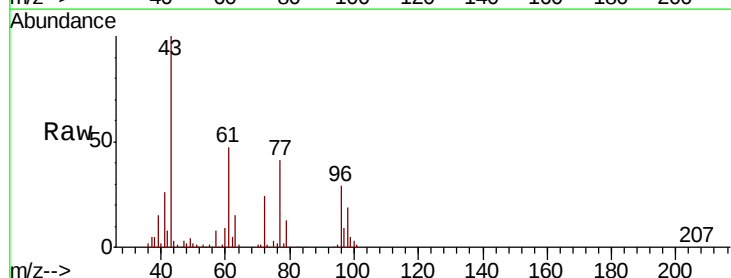
Acq: 24 Oct 2019 18:52

Tgt Ion: 77 Resp: 328717

Ion Ratio Lower Upper

77 100

97 21.1 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

120000

100000

80000

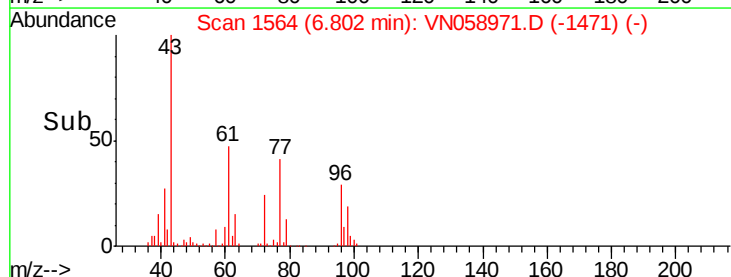
60000

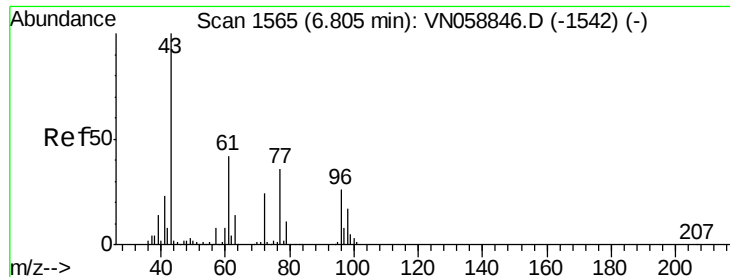
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.837 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

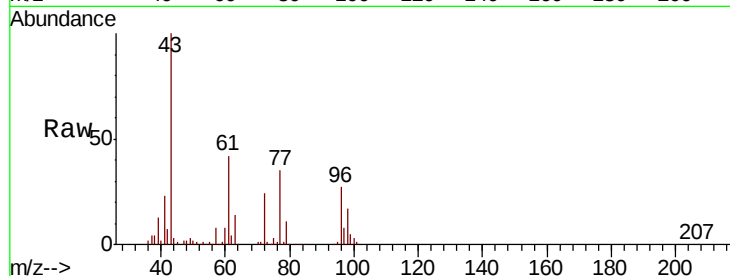
Tot Ion: 96 Resp: 218841

Ion Ratio Lower Upper

96 100

61 160.4 0.0 325.0

98 63.8 0.0 128.0

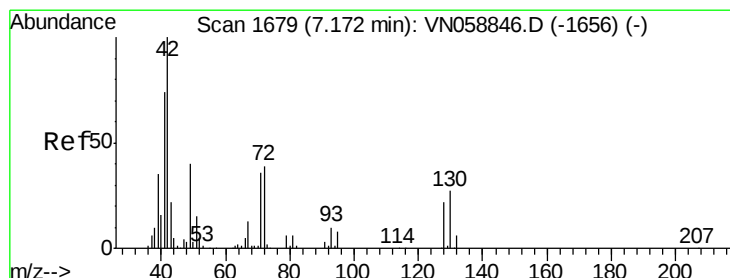
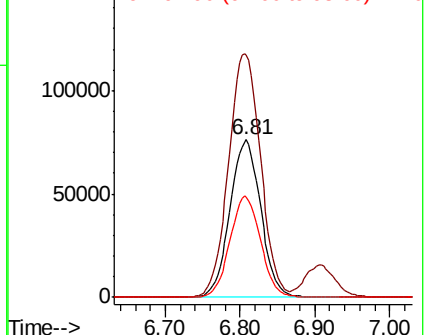
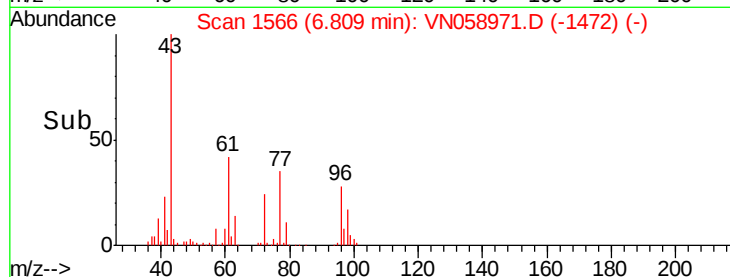


Abundance

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: 49.948 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

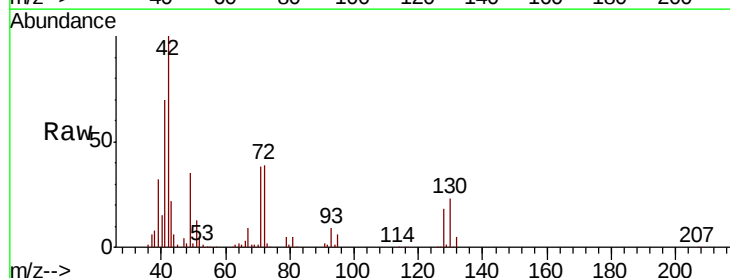
Tgt Ion: 49 Resp: 130269

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.2

130 67.1 53.5 80.3

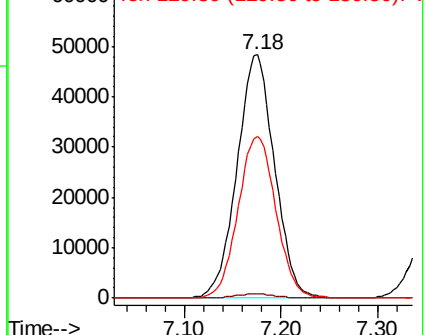
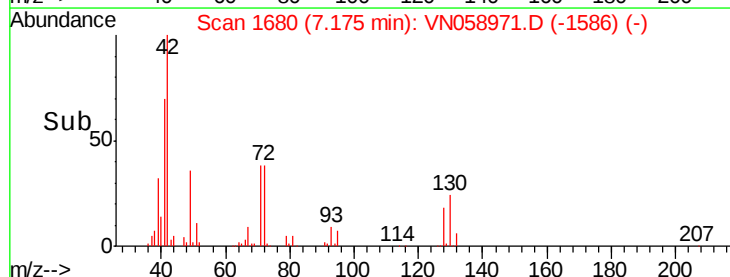


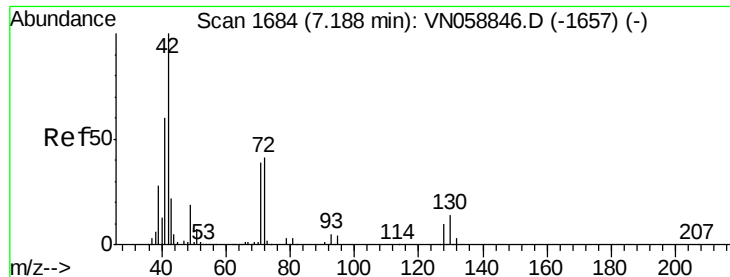
Abundance

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: 265.480 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

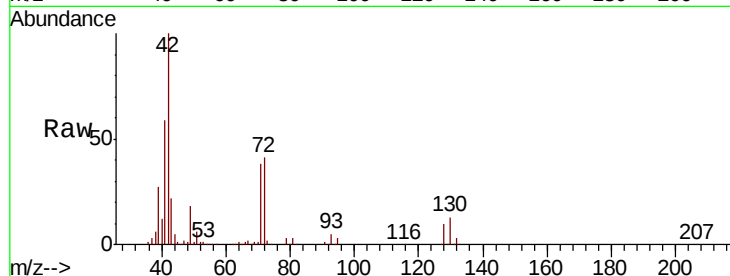
Tot Ion: 42 Resp: 528849

Ion Ratio Lower Upper

42 100

72 40.3 32.2 48.2

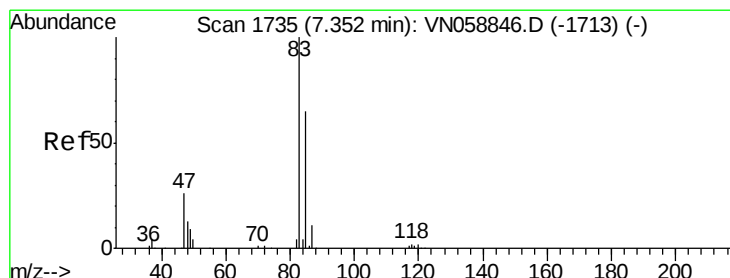
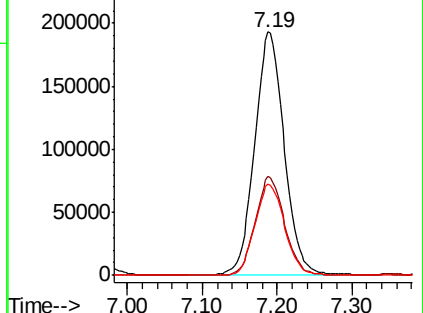
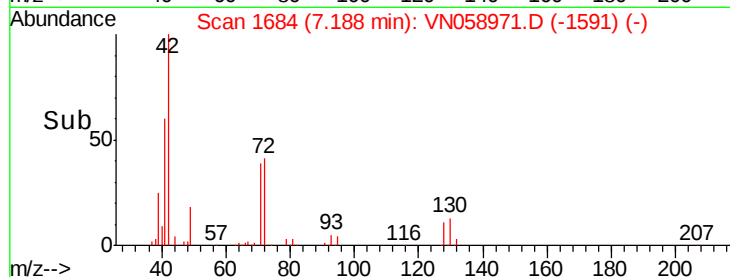
71 37.8 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN058846.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN058846.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN058846.D (-1657) (-)



#30

Chloroform

Concen: 49.749 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058971.D

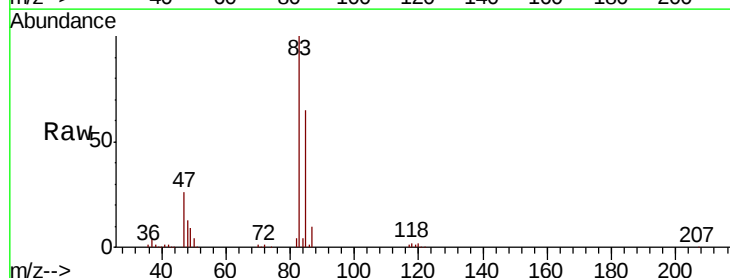
Acq: 24 Oct 2019 18:52

Tgt Ion: 83 Resp: 390801

Ion Ratio Lower Upper

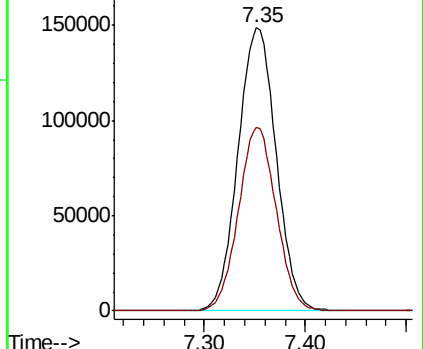
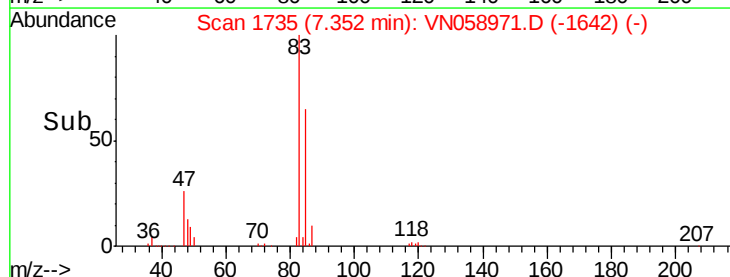
83 100

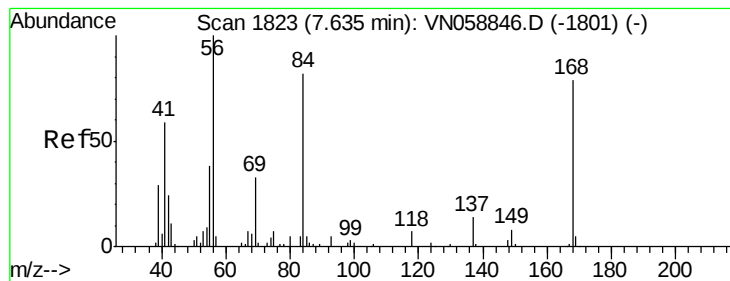
85 64.7 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-1713) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-1713) (-)





#31

Cyclohexane

Concen: 47.549 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

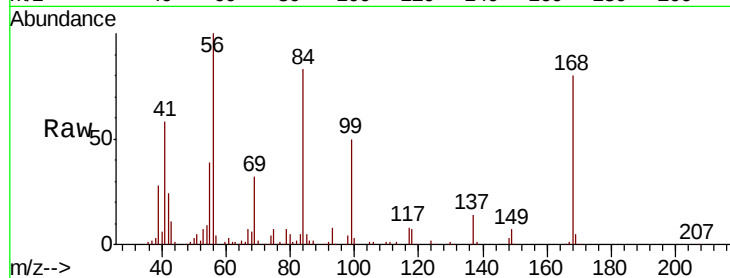
Tot Ion: 56 Resp: 346899

Ion Ratio Lower Upper

56 100

69 31.6 26.2 39.4

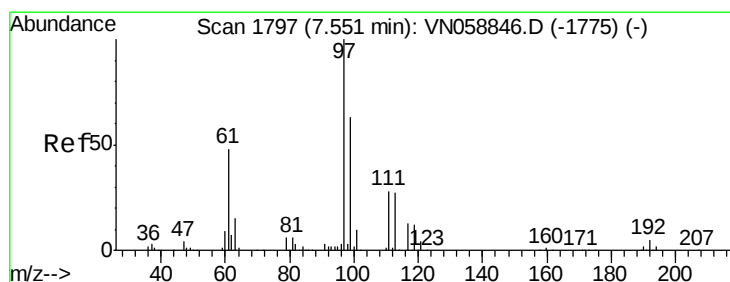
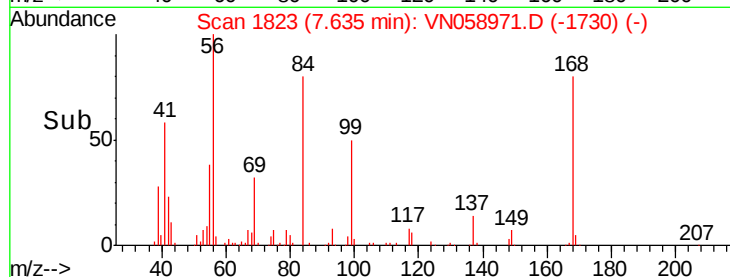
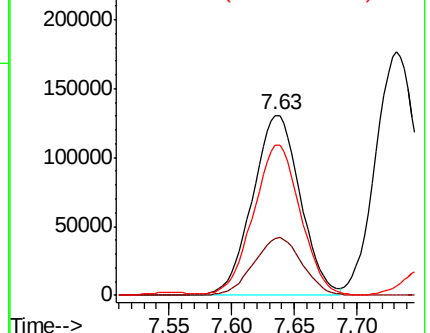
84 82.3 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VN058846.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN058846.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN058846.D (-1801) (-)



#32

1,1,1-Trichloroethane

Concen: 50.541 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

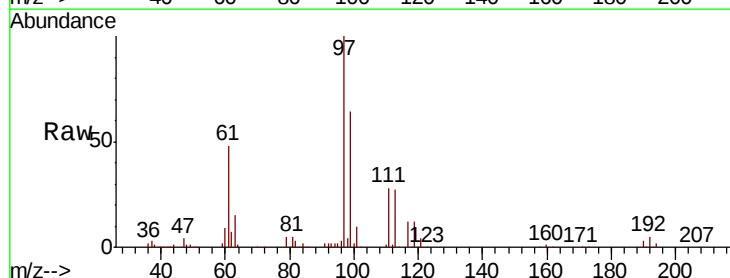
Tgt Ion: 97 Resp: 334650

Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

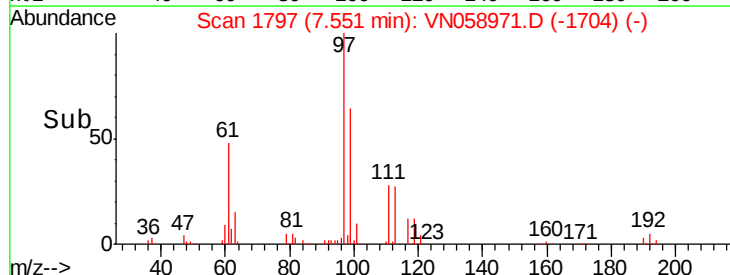
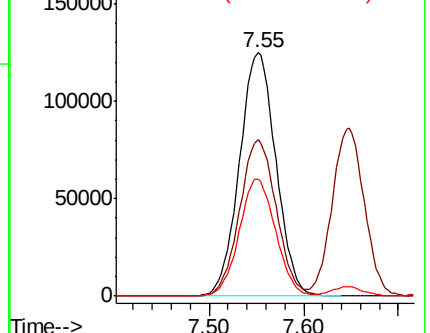
61 48.0 38.6 58.0

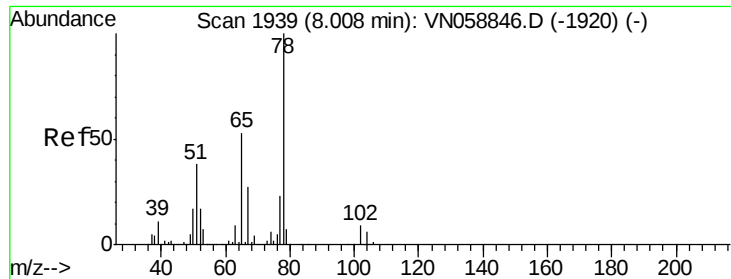


Abundance Ion 96.90 (96.60 to 97.60): VN058846.D (-1775) (-)

Ion 98.90 (98.60 to 99.60): VN058846.D (-1775) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-1775) (-)

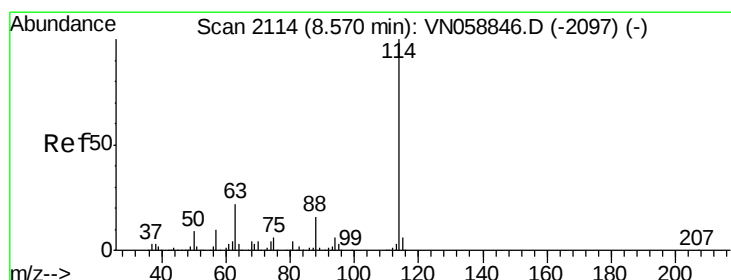
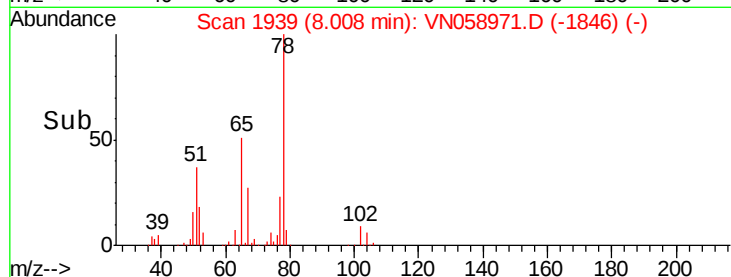
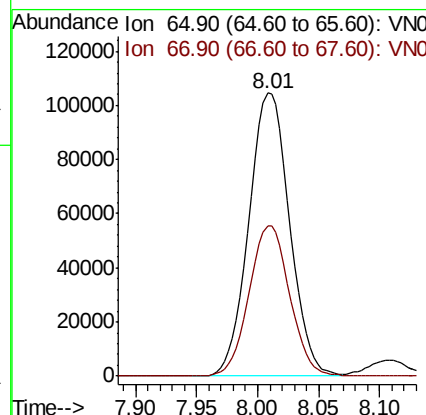
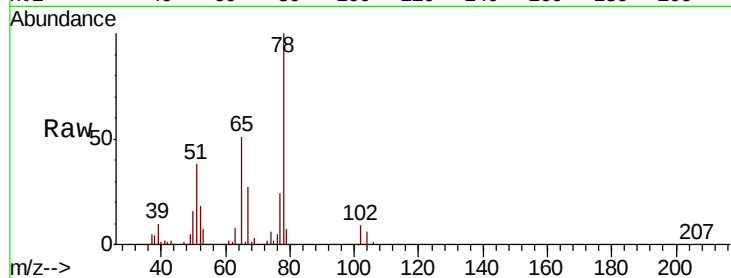




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.612 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. 0.00 min  
 Lab File: VN058971.D  
 Acq: 24 Oct 2019 18:52

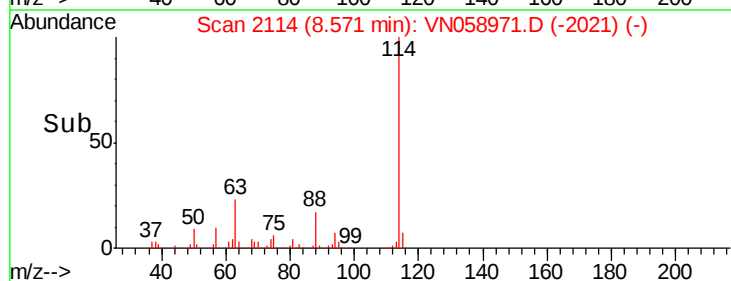
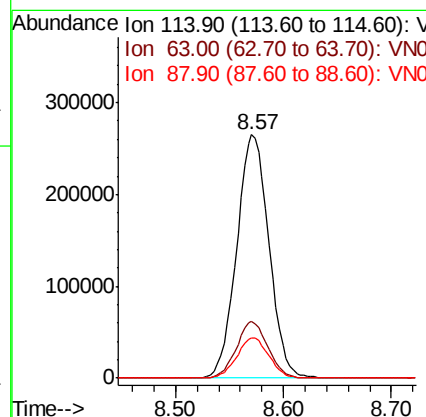
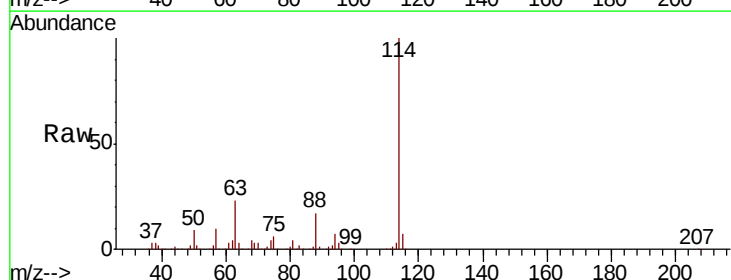
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

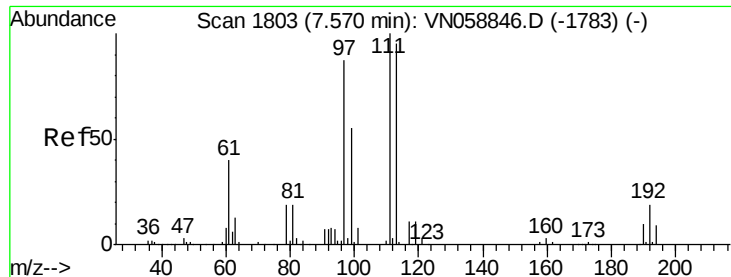
Tot Ion: 65 Resp: 241708  
 Ion Ratio Lower Upper  
 65 100  
 67 52.9 0.0 103.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VN058971.D  
 Acq: 24 Oct 2019 18:52

Tgt Ion: 114 Resp: 551407  
 Ion Ratio Lower Upper  
 114 100  
 63 23.1 0.0 44.4  
 88 16.6 0.0 31.4

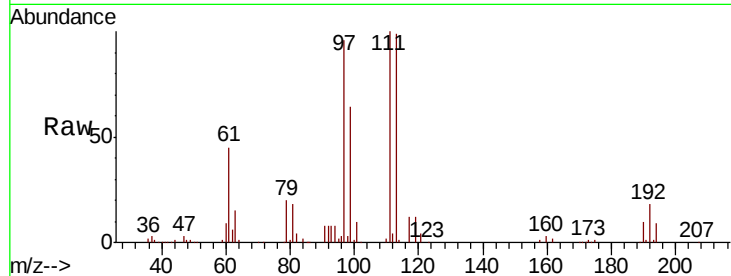




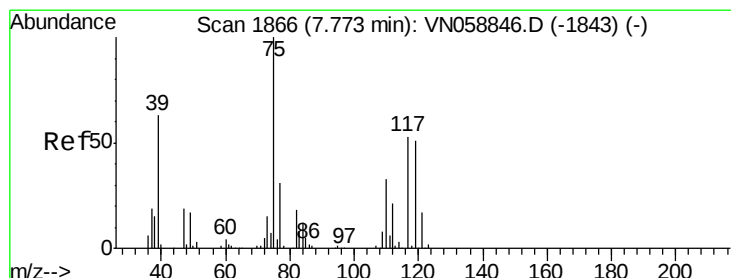
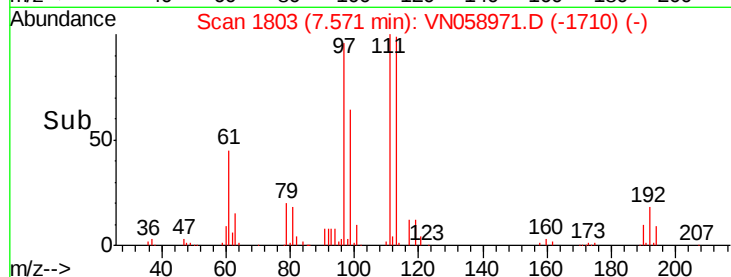
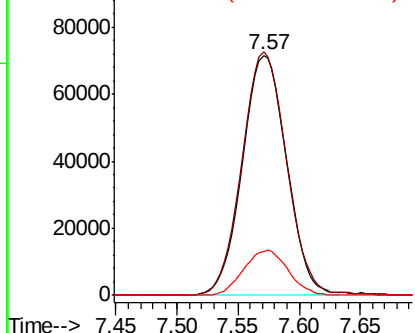
#35  
 Dibromofluoromethane  
 Concen: 49.634 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VN058971.D  
 Acq: 24 Oct 2019 18:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion:113 Resp: 179942  
 Ion Ratio Lower Upper  
 113 100  
 111 101.8 82.0 123.0  
 192 19.0 15.0 22.6

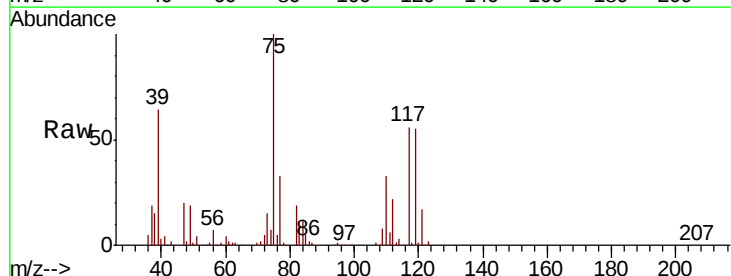


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

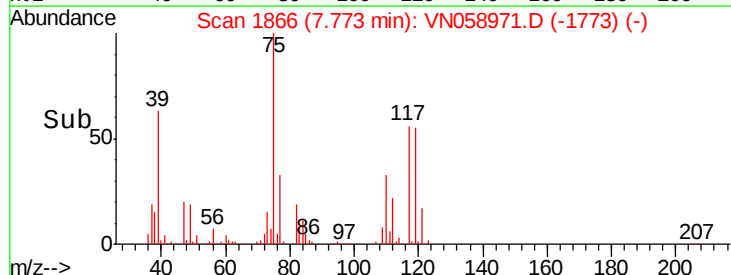
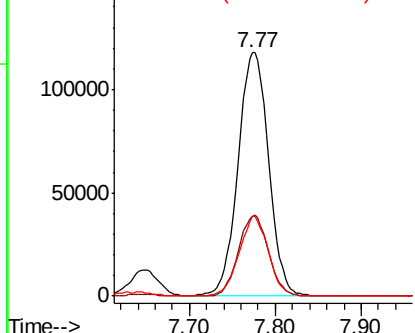


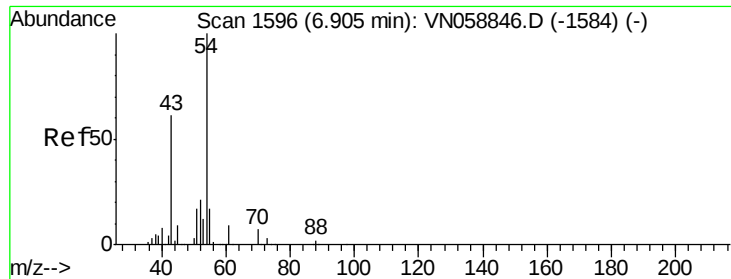
#36  
 1,1-Dichloropropene  
 Concen: 51.504 ug/l  
 RT: 7.77 min Scan# 1866  
 Delta R.T. 0.00 min  
 Lab File: VN058971.D  
 Acq: 24 Oct 2019 18:52

Tgt Ion: 75 Resp: 290754  
 Ion Ratio Lower Upper  
 75 100  
 110 32.5 16.3 48.9  
 77 31.6 24.6 36.8



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

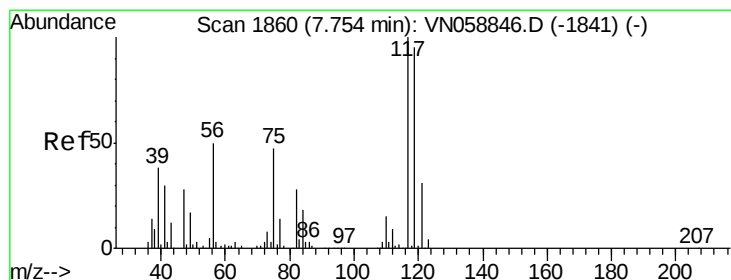
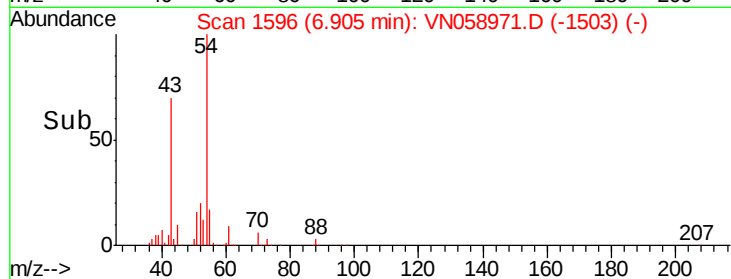
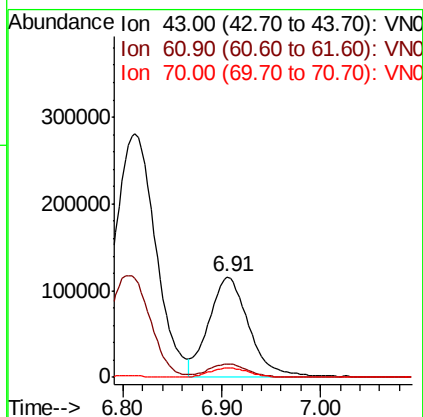
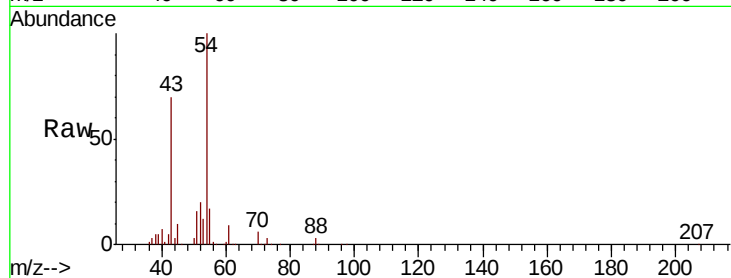




#37  
Ethyl Acetate  
Concen: 52.614 ug/l  
RT: 6.91 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

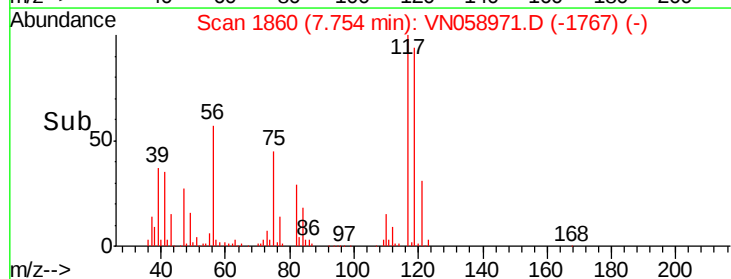
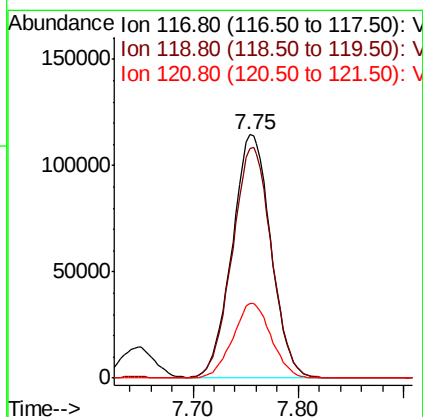
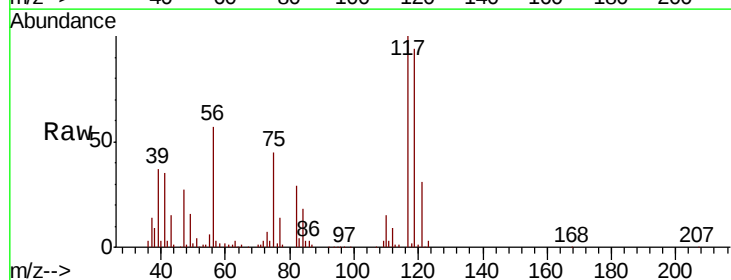
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

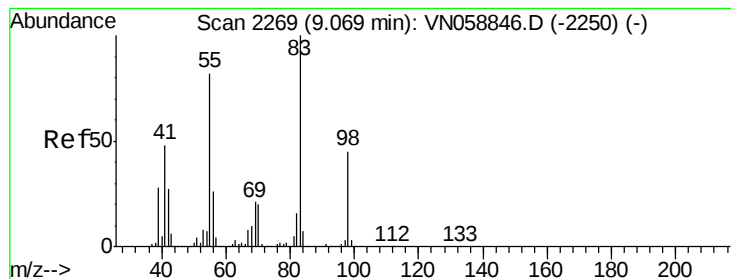
Tot Ion: 43 Resp: 323638  
Ion Ratio Lower Upper  
43 100  
61 13.9 10.5 15.7  
70 9.5 7.6 11.4



#38  
Carbon Tetrachloride  
Concen: 50.302 ug/l  
RT: 7.75 min Scan# 1860  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Tgt Ion: 117 Resp: 292542  
Ion Ratio Lower Upper  
117 100  
119 94.0 75.7 113.5  
121 30.6 25.0 37.6





#39

Methvlcvclohexane

Concen: 51.485 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

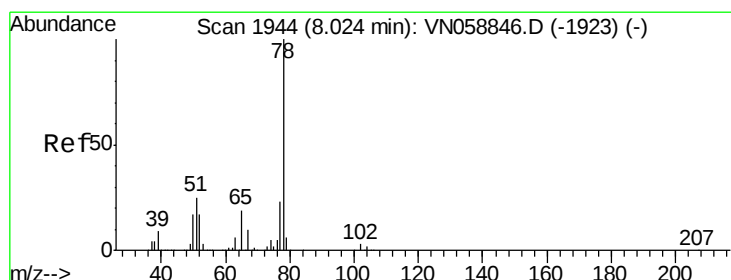
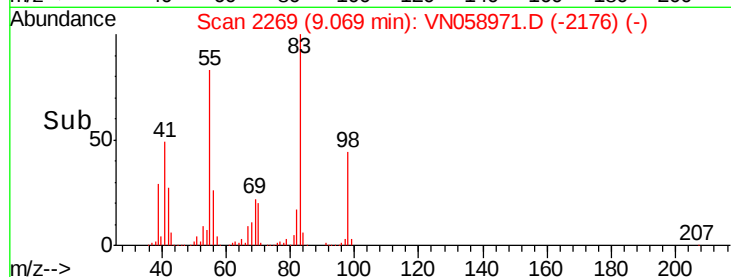
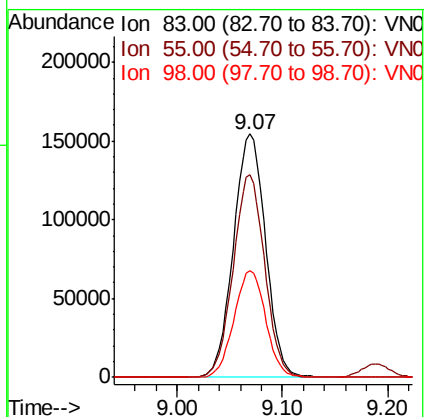
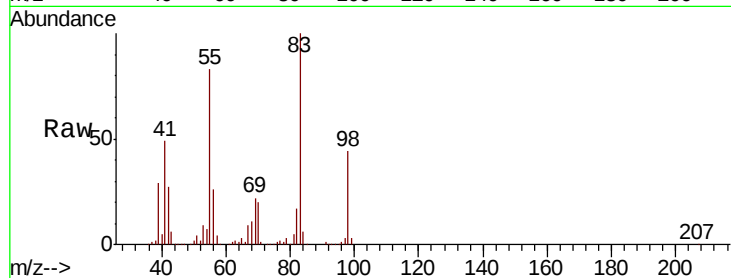
Tot Ion: 83 Resp: 326352

Ion Ratio Lower Upper

83 100

55 83.3 65.5 98.3

98 43.6 35.7 53.5



#40

Benzene

Concen: 51.758 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN058971.D

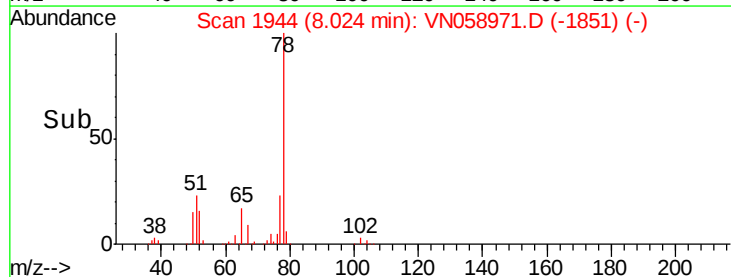
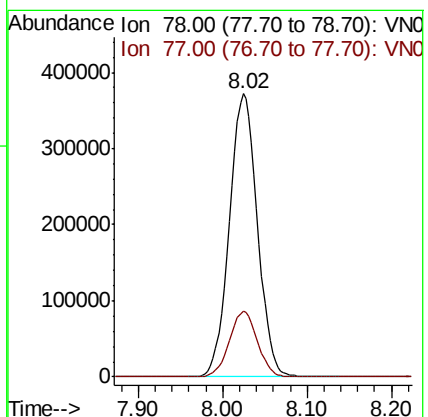
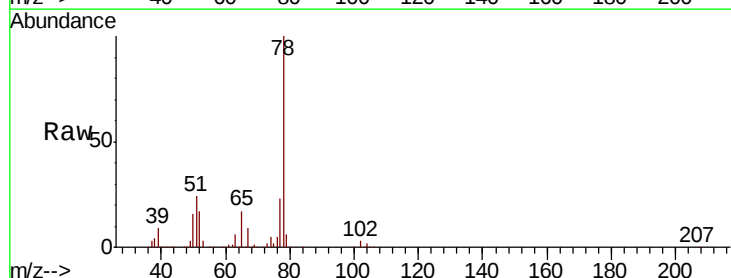
Acq: 24 Oct 2019 18:52

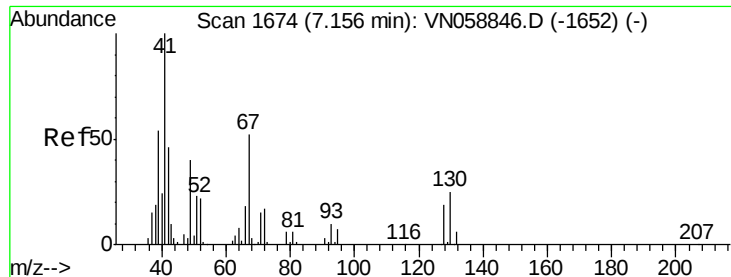
Tgt Ion: 78 Resp: 858008

Ion Ratio Lower Upper

78 100

77 23.2 18.2 27.2

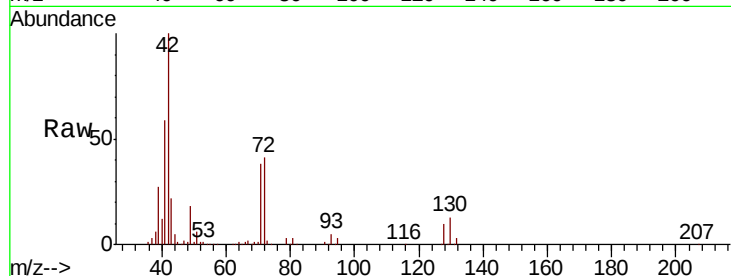




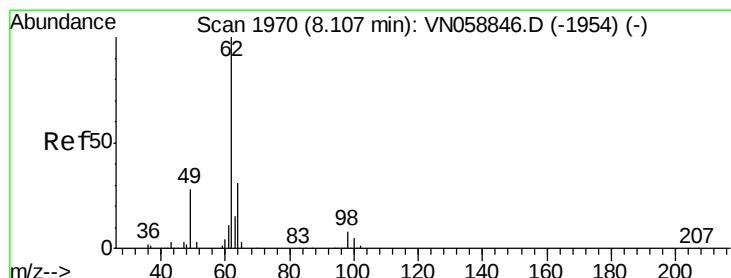
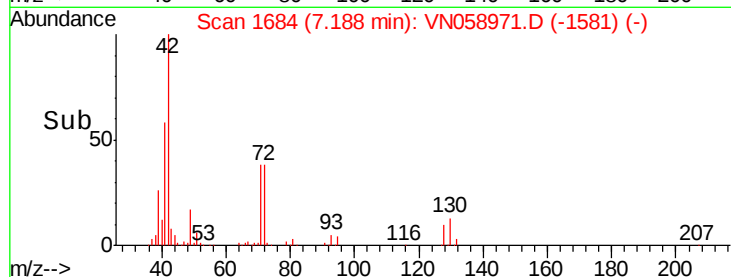
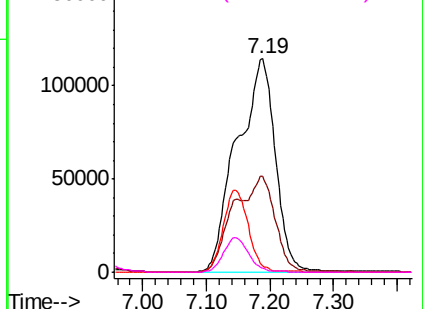
#41  
Methacrylonitrile  
Concen: 175.402 ug/l  
RT: 7.19 min Scan# 1684  
Delta R.T. 0.03 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 480534 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 0.0   | 0.0   | 0.0    |
| 67       | 0.0   | 0.0   | 0.0    |
| 52       | 0.0   | 0.0   | 0.0    |

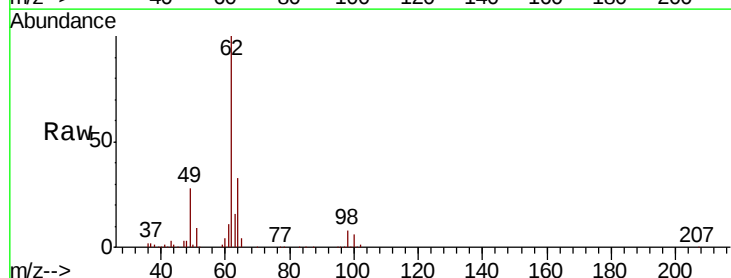


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0  
Ion 67.00 (66.70 to 67.70): VN0  
Ion 52.00 (51.70 to 52.70): VN0

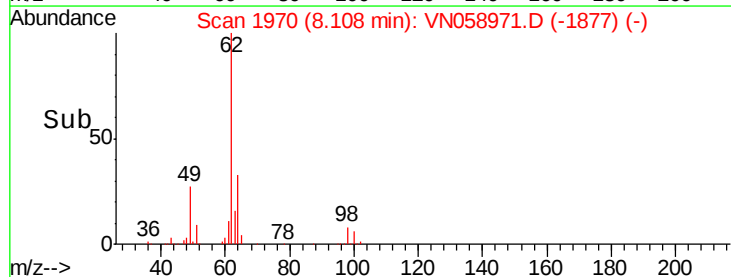
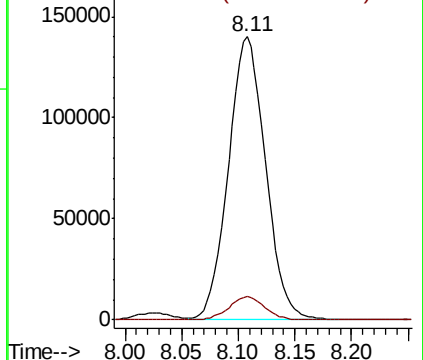


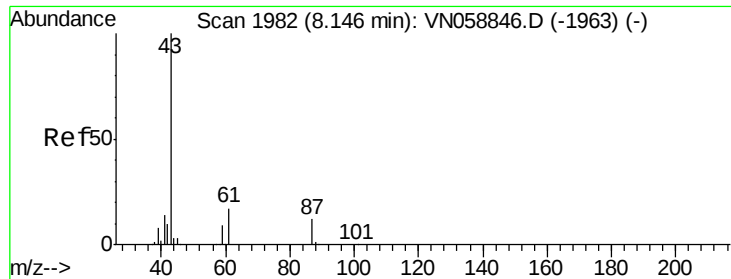
#42  
1,2-Dichloroethane  
Concen: 49.988 ug/l  
RT: 8.11 min Scan# 1970  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 319211 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.0   | 0.0   | 16.2   |



Abundance Ion 61.90 (61.60 to 62.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0



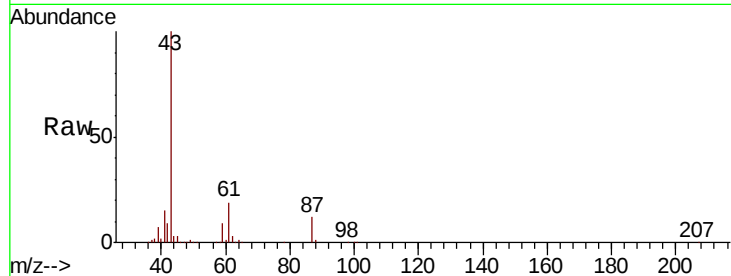


#43

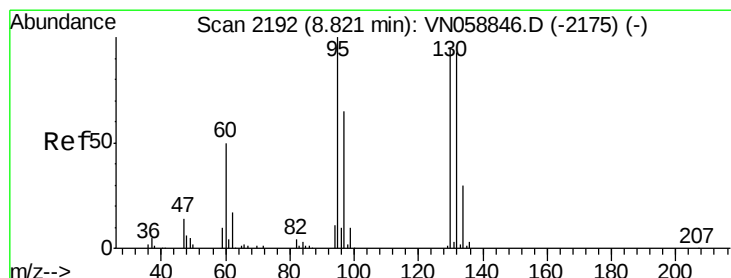
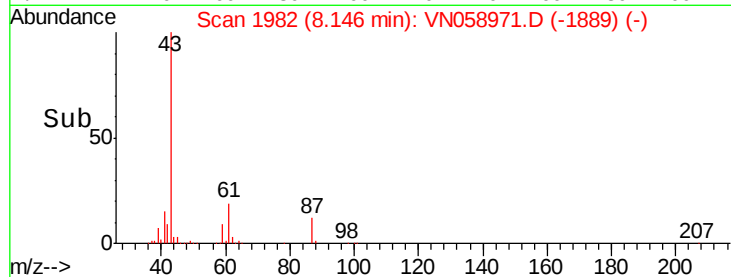
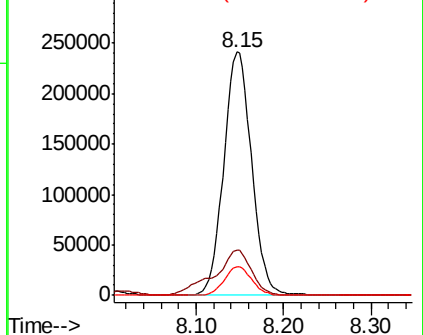
Isopropyl Acetate  
 Concen: 53.839 ug/l  
 RT: 8.15 min Scan# 1982  
 Delta R.T. 0.00 min  
 Lab File: VN058971.D  
 Acq: 24 Oct 2019 18:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 531127  
 Ion Ratio Lower Upper  
 43 100  
 61 24.9 20.2 30.2  
 87 11.7 9.5 14.3



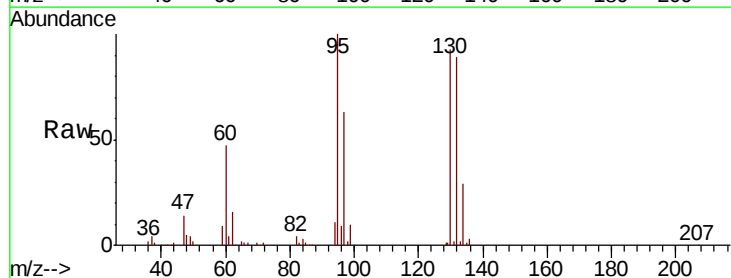
Abundance Ion 43.00 (42.70 to 43.70): VN0  
 Ion 61.00 (60.70 to 61.70): VN0  
 Ion 87.00 (86.70 to 87.70): VN0



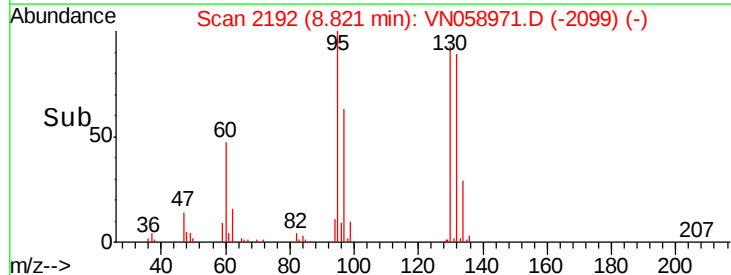
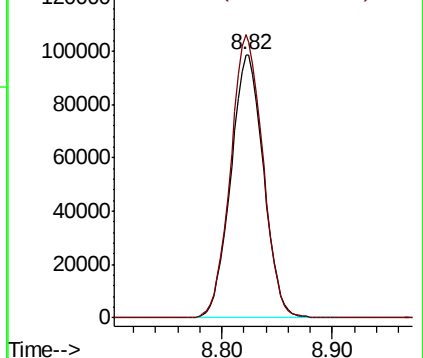
#44

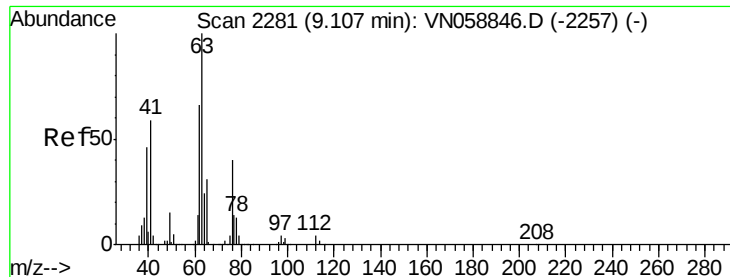
Trichloroethene  
 Concen: 50.185 ug/l  
 RT: 8.82 min Scan# 2192  
 Delta R.T. 0.00 min  
 Lab File: VN058971.D  
 Acq: 24 Oct 2019 18:52

Tgt Ion:130 Resp: 202657  
 Ion Ratio Lower Upper  
 130 100  
 95 107.5 0.0 209.6



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





#45

1,2-Dichloropropane

Concen: 51.829 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

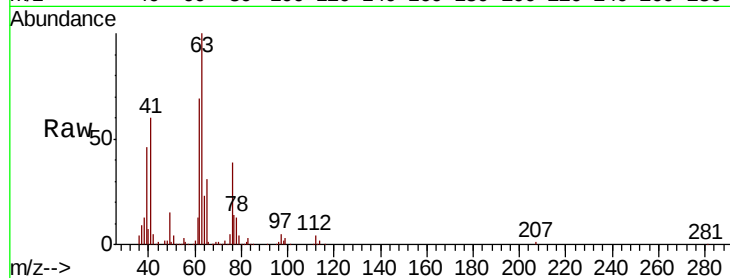
VSTDCCC050EC

Tot Ion: 63 Resp: 235599

Ion Ratio Lower Upper

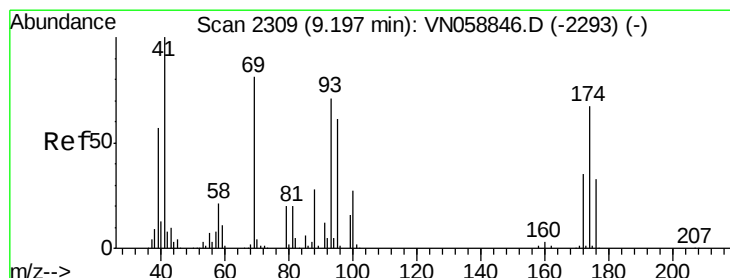
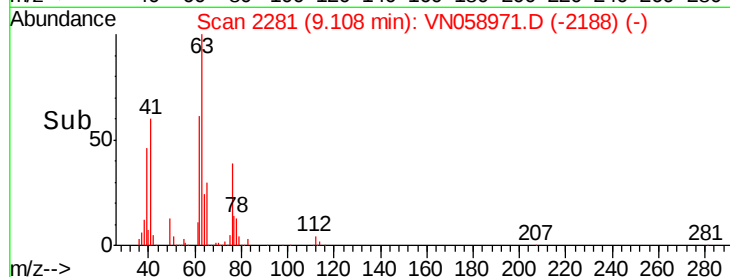
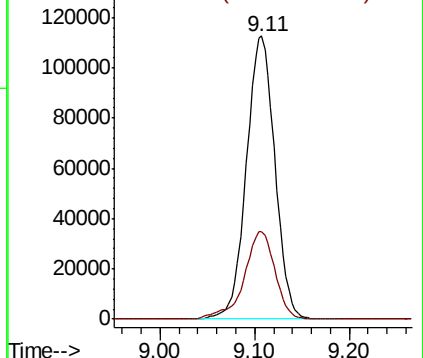
63 100

65 31.1 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 51.441 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

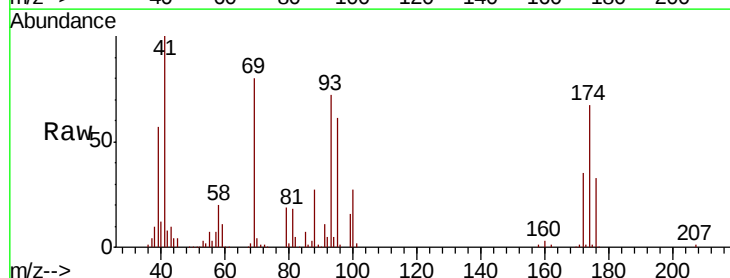
Tgt Ion: 93 Resp: 147826

Ion Ratio Lower Upper

93 100

95 83.4 67.6 101.4

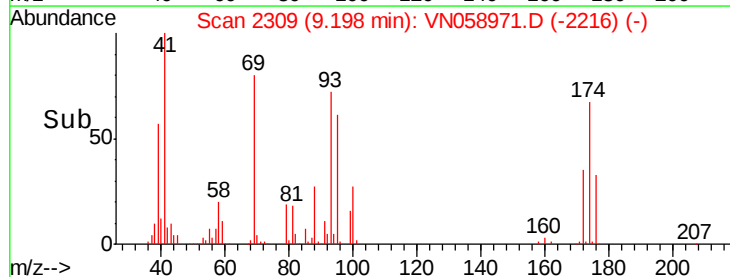
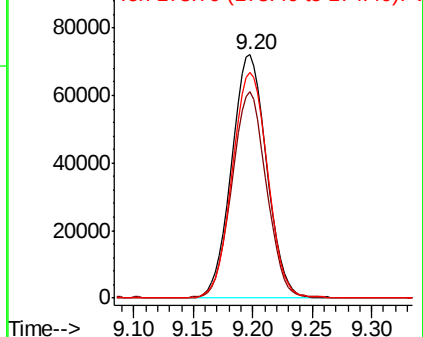
174 93.2 74.1 111.1

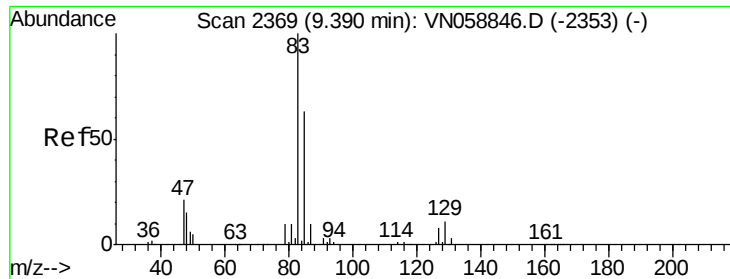


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.324 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

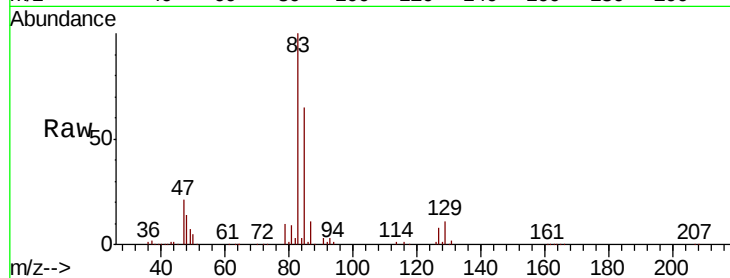
Tot Ion: 83 Resp: 309910

Ion Ratio Lower Upper

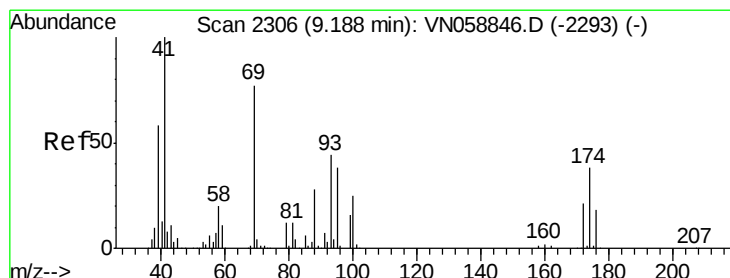
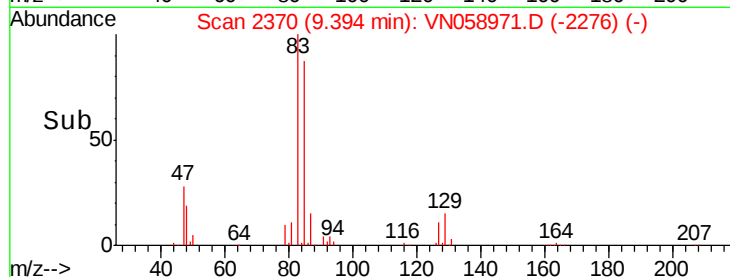
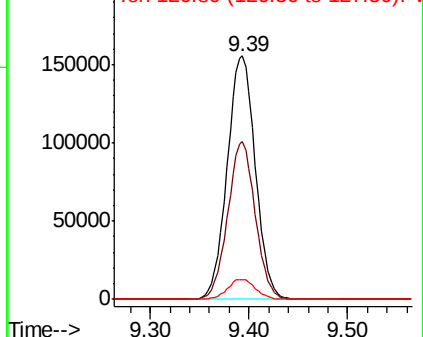
83 100

85 64.7 50.6 75.8

127 8.3 6.5 9.7



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



#48

Methyl methacrylate

Concen: 54.557 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

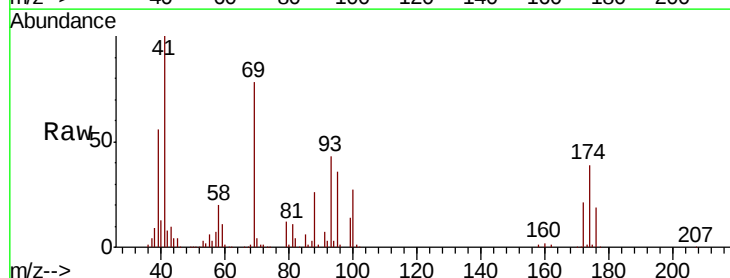
Tgt Ion: 41 Resp: 244190

Ion Ratio Lower Upper

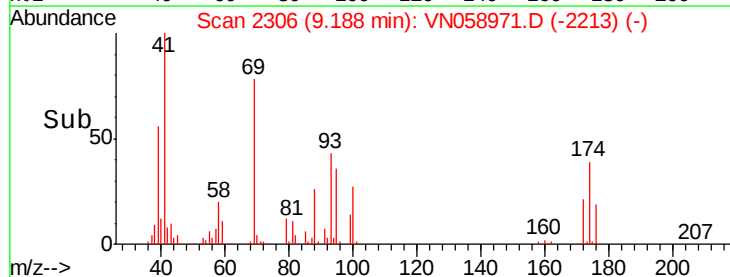
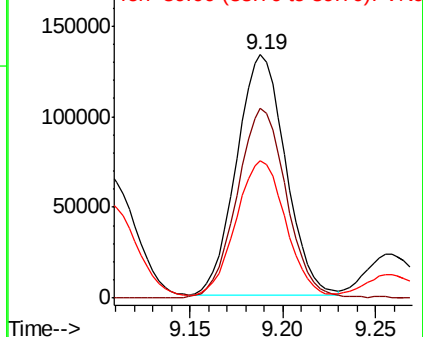
41 100

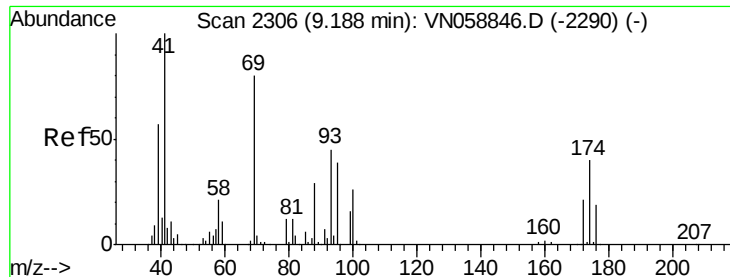
69 79.6 63.8 95.6

39 58.2 47.8 71.8



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

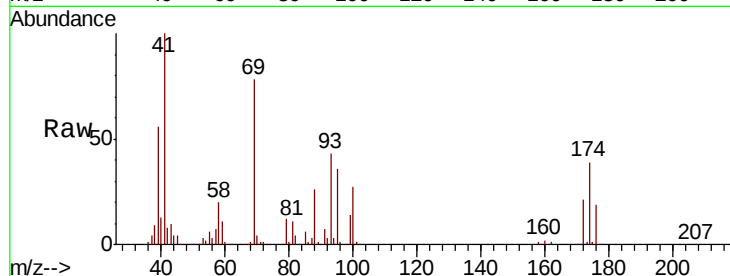




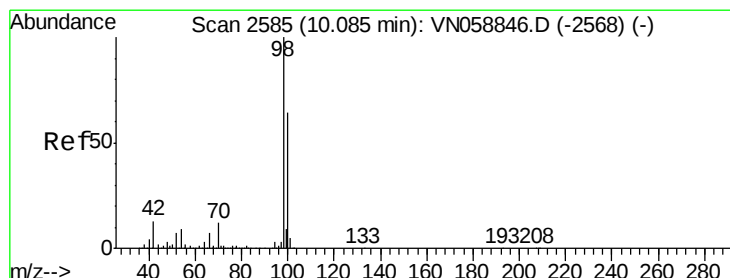
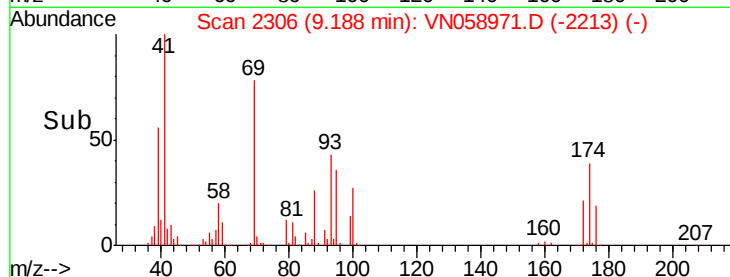
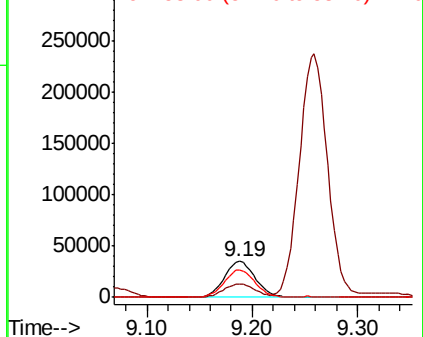
#49  
1,4-Dioxane  
Concen: 971.771 ug/l  
RT: 9.19 min Scan# 2306  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 88 Resp: 71400  
Ion Ratio Lower Upper  
88 100  
43 35.9 29.1 43.7  
58 75.5 59.4 89.0

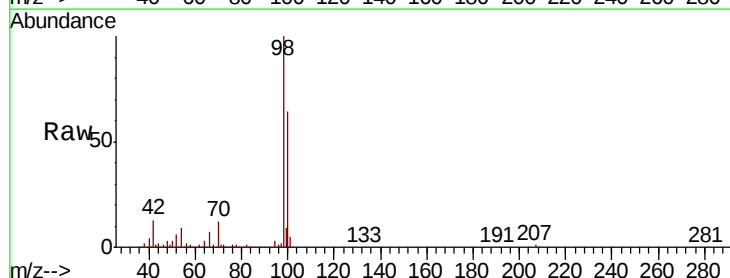


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

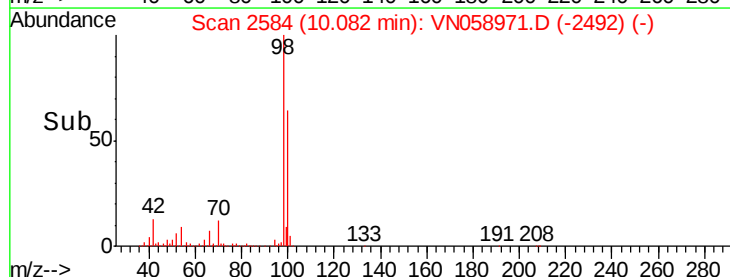
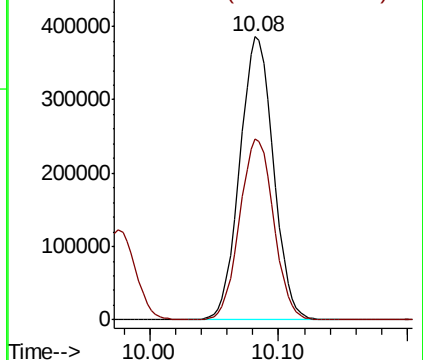


#50  
Toluene-d8  
Concen: 49.848 ug/l  
RT: 10.08 min Scan# 2584  
Delta R.T. -0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Tgt Ion: 98 Resp: 701519  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.4 77.2



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





#51

4-Methyl-2-Pentanone

Concen: 292.848 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

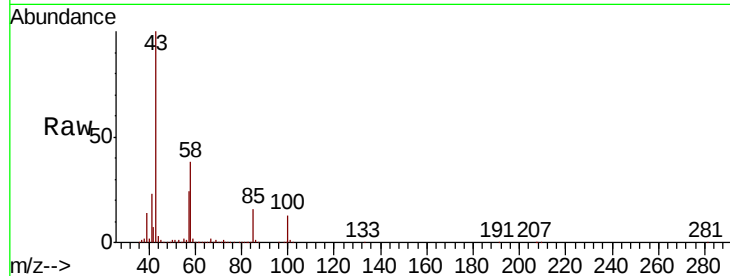
VSTDCCC050EC

Tot Ion: 43 Resp: 1687440

Ion Ratio Lower Upper

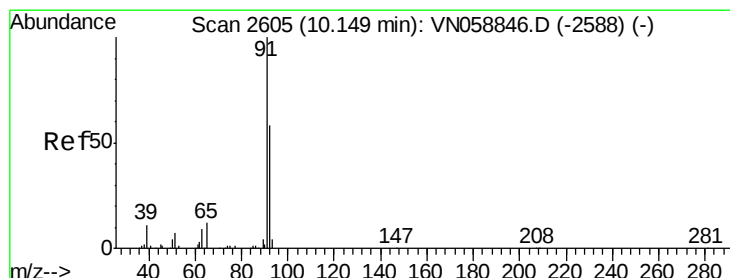
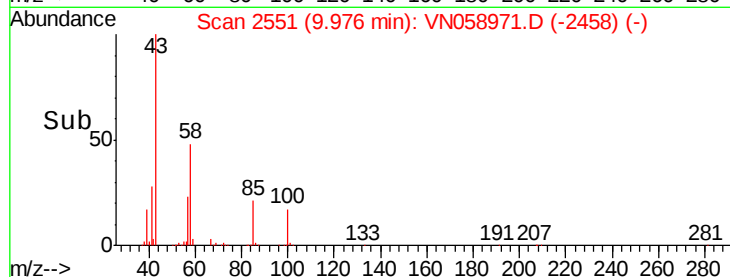
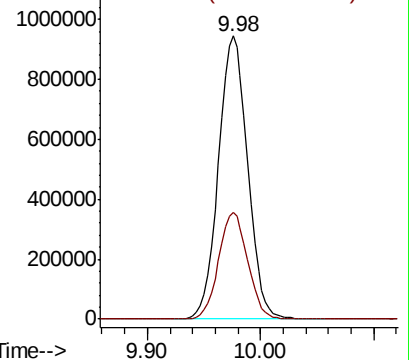
43 100

58 37.7 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 54.351 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058971.D

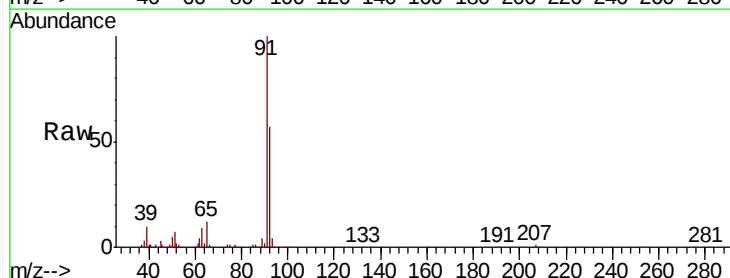
Acq: 24 Oct 2019 18:52

Tgt Ion: 92 Resp: 534304

Ion Ratio Lower Upper

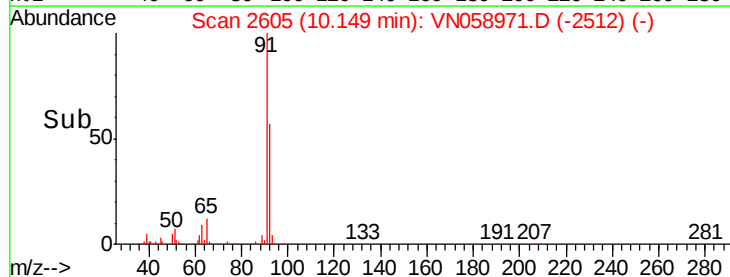
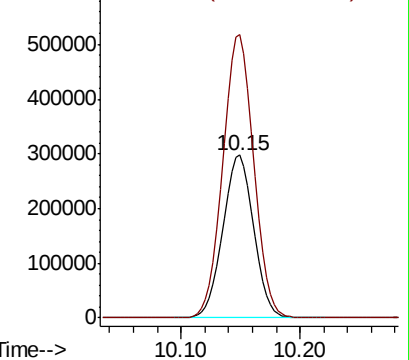
92 100

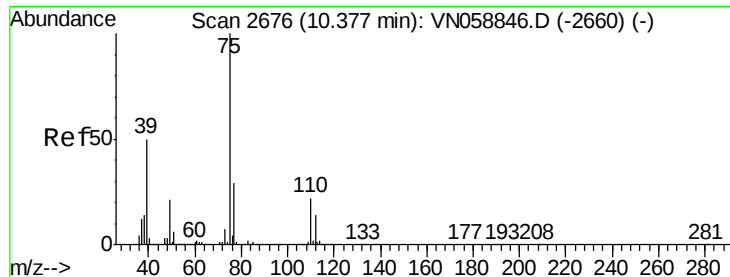
91 174.3 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 53.702 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

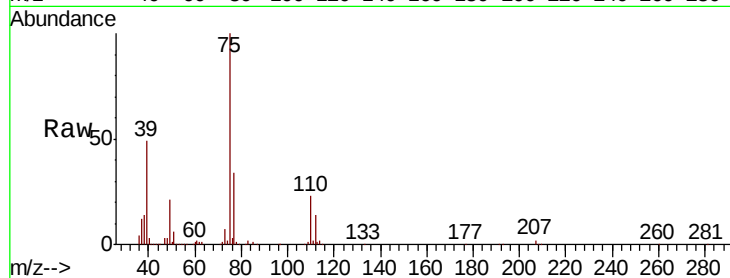
VSTDCCC050EC

Tot Ion: 75 Resp: 352112

Ion Ratio Lower Upper

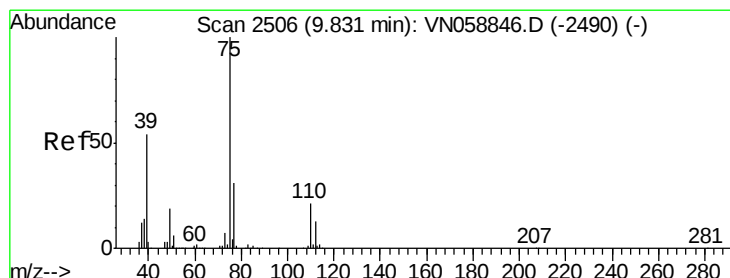
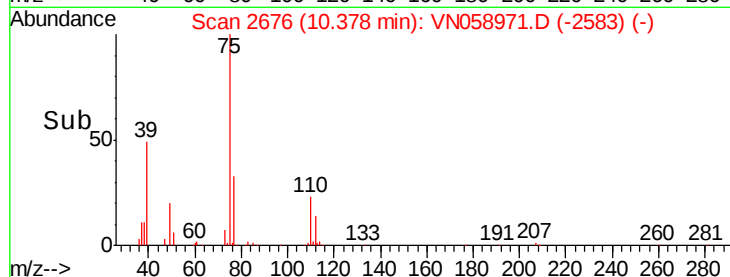
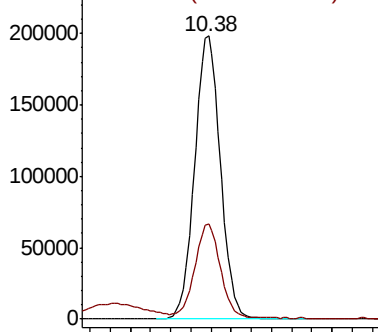
75 100

77 33.2 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 52.655 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

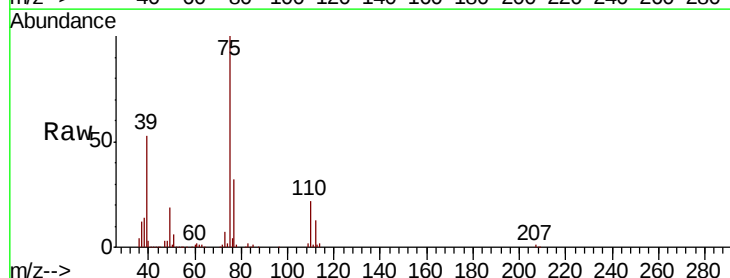
Tgt Ion: 75 Resp: 368850

Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1

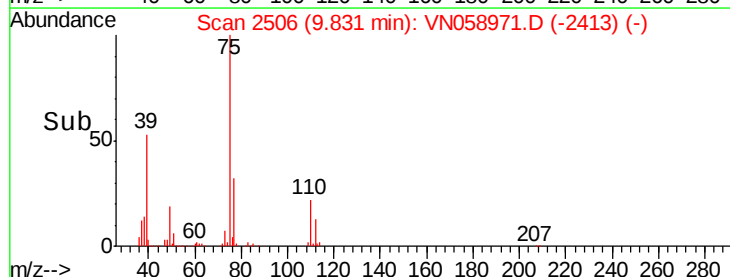
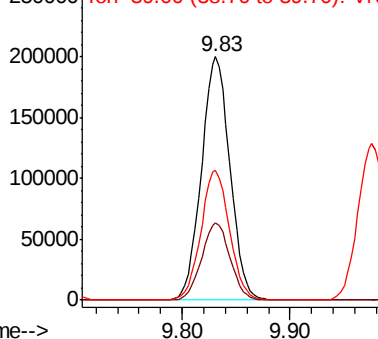
39 53.1 43.5 65.3

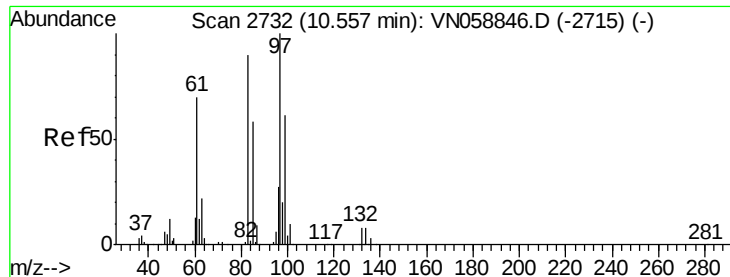


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 53.313 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 215902

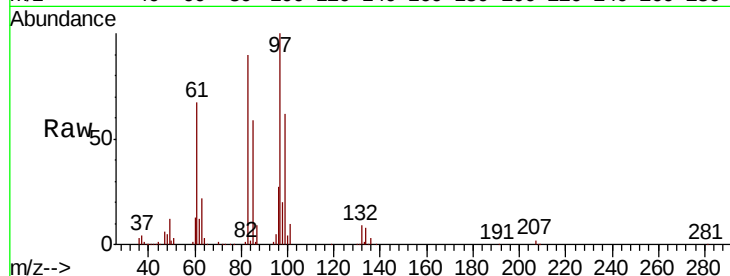
Ion Ratio Lower Upper

97 100

83 90.0 72.2 108.4

85 58.6 46.2 69.2

99 61.9 48.7 73.1

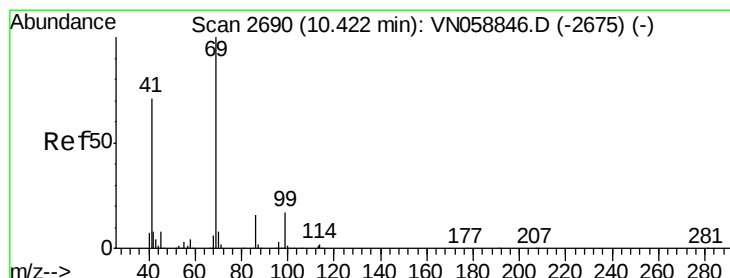
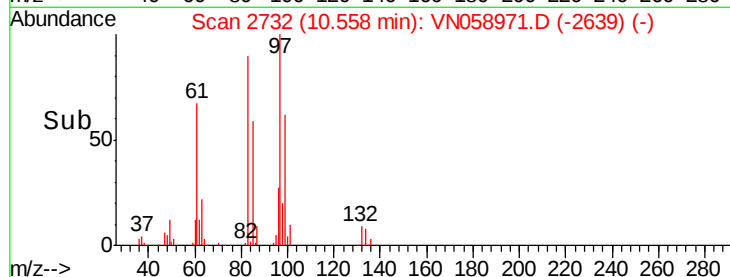
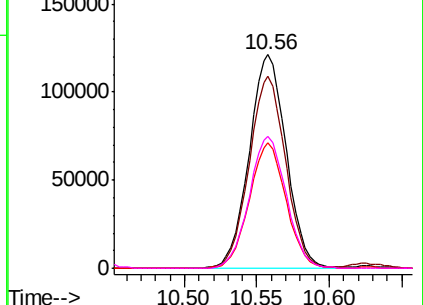


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.842 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

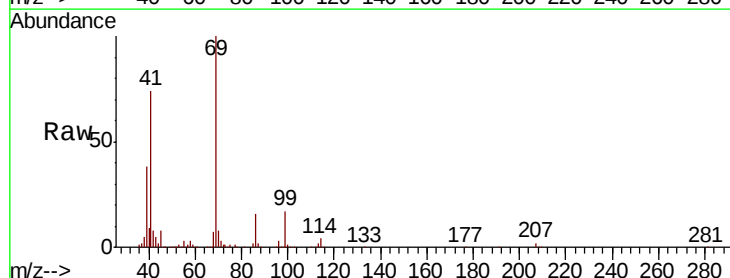
Tgt Ion: 69 Resp: 339012

Ion Ratio Lower Upper

69 100

41 72.5 57.2 85.8

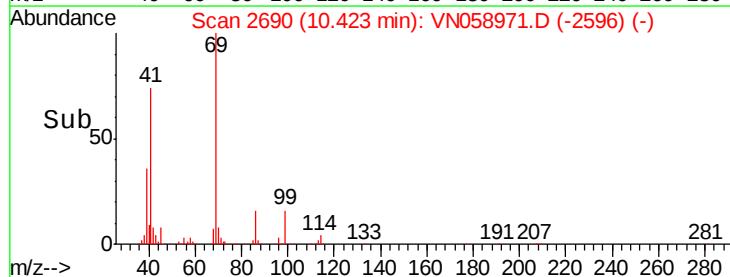
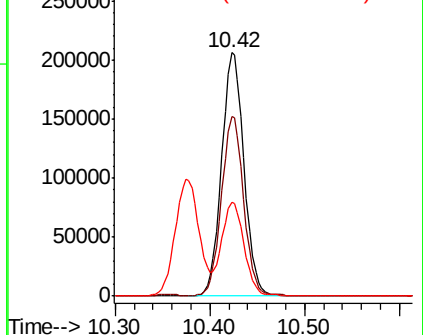
39 38.7 31.0 46.4



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 53.011 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

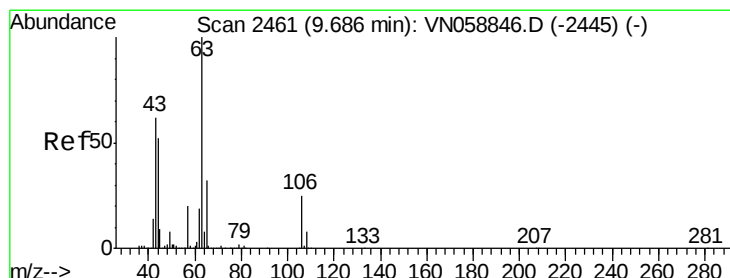
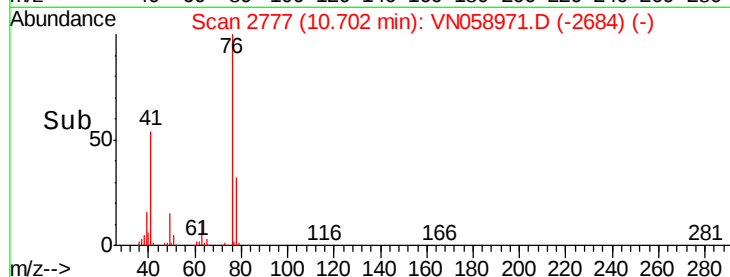
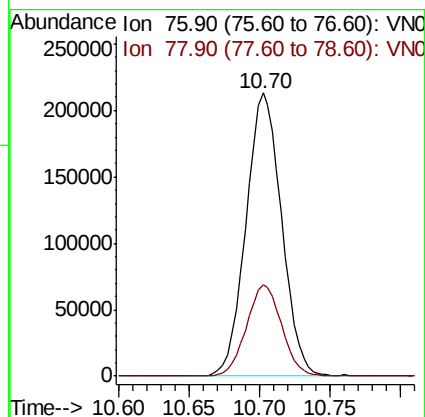
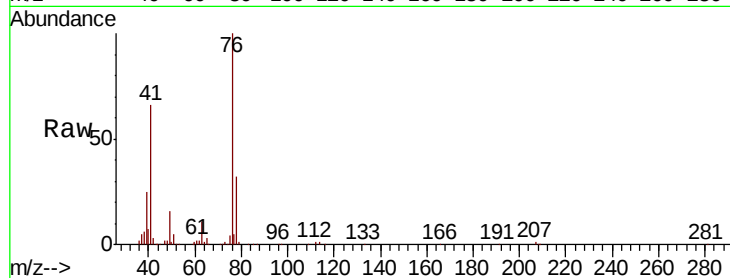
VSTDCCC050EC

Tot Ion: 76 Resp: 376790

Ion Ratio Lower Upper

76 100

78 32.1 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 258.608 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058971.D

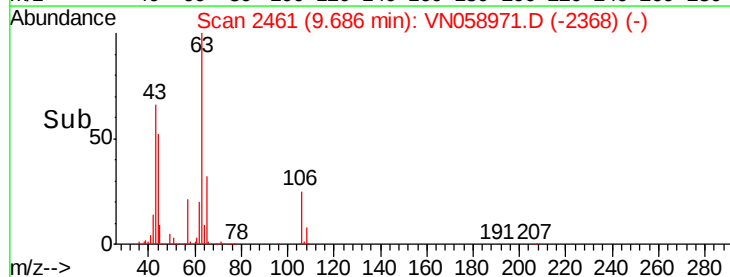
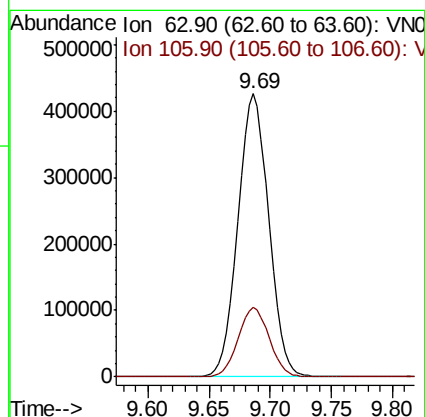
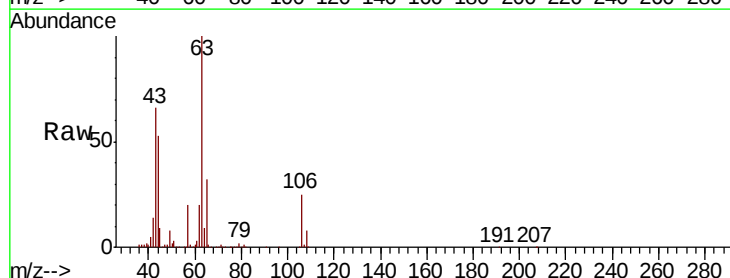
Acq: 24 Oct 2019 18:52

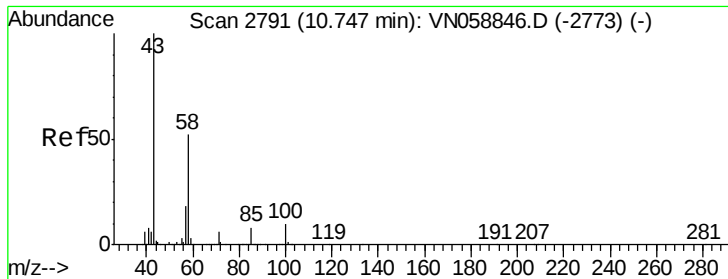
Tgt Ion: 63 Resp: 743444

Ion Ratio Lower Upper

63 100

106 24.7 19.8 29.8

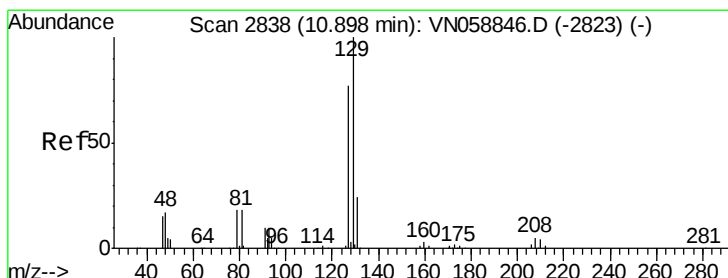
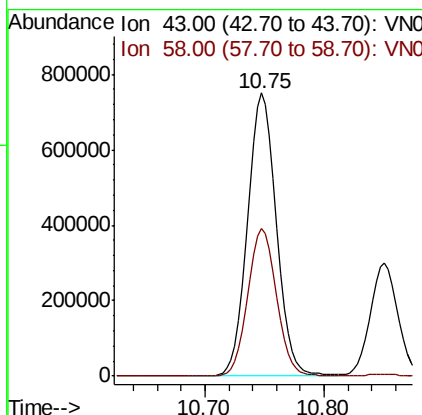
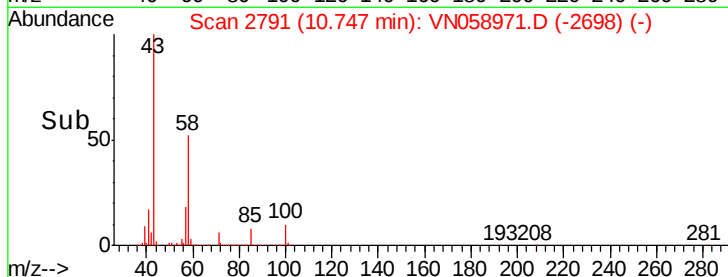
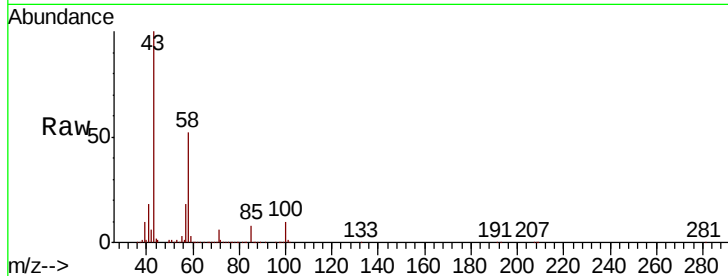




#59  
2-Hexanone  
Concen: 282.317 ug/l  
RT: 10.75 min Scan# 2791  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

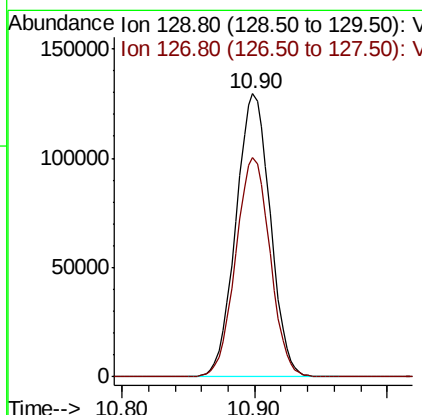
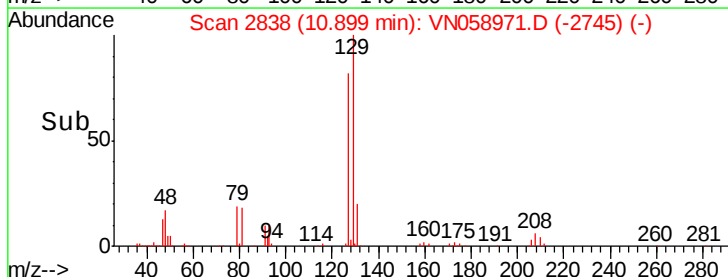
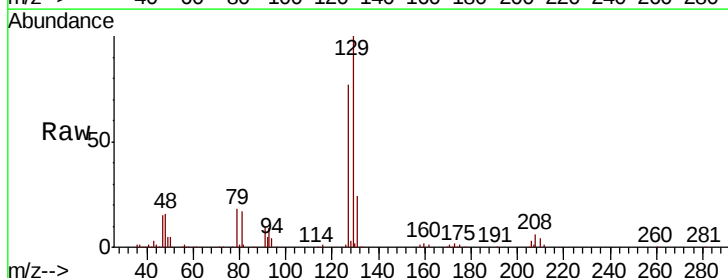
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

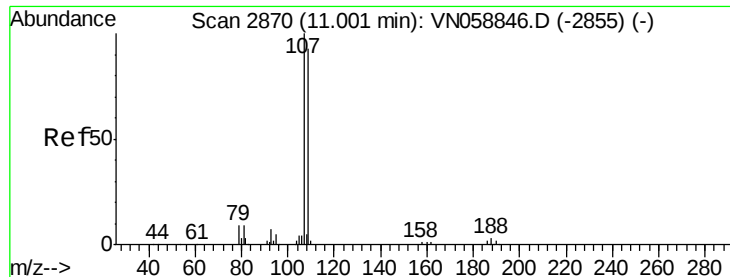
Tot Ion: 43 Resp: 1257048  
Ion Ratio Lower Upper  
43 100  
58 52.2 25.9 77.7



#60  
Dibromochloromethane  
Concen: 53.542 ug/l  
RT: 10.90 min Scan# 2838  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Tgt Ion: 129 Resp: 233385  
Ion Ratio Lower Upper  
129 100  
127 77.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 53.421 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

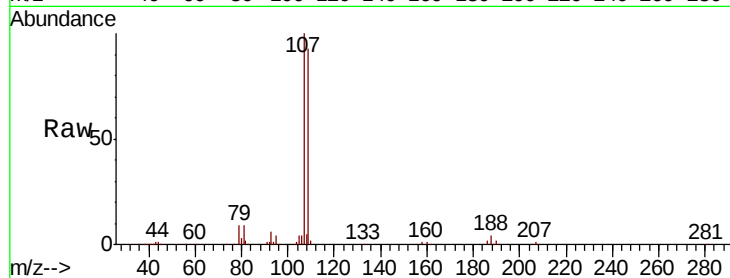
VSTDCCC050EC

Tot Ion:107 Resp: 221399

Ion Ratio Lower Upper

107 100

109 94.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

50000

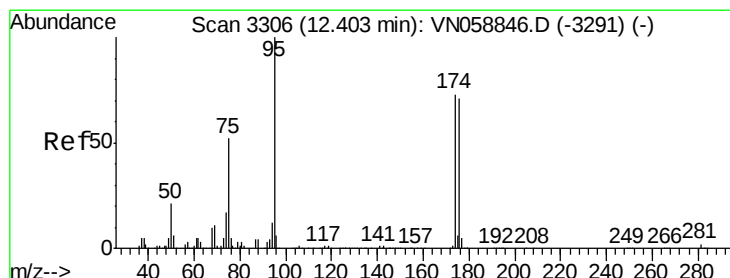
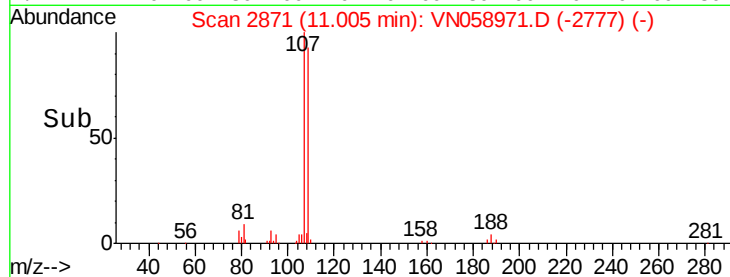
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 50.134 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

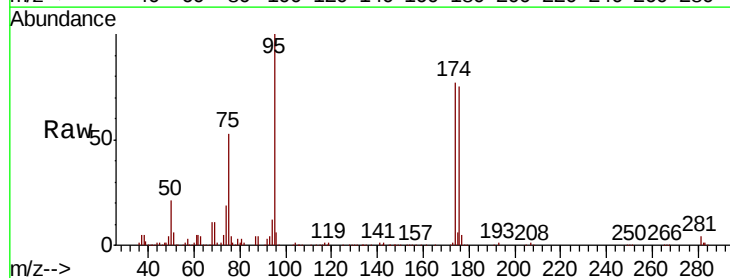
Tgt Ion: 95 Resp: 259092

Ion Ratio Lower Upper

95 100

174 77.1 0.0 147.6

176 74.6 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

100000

50000

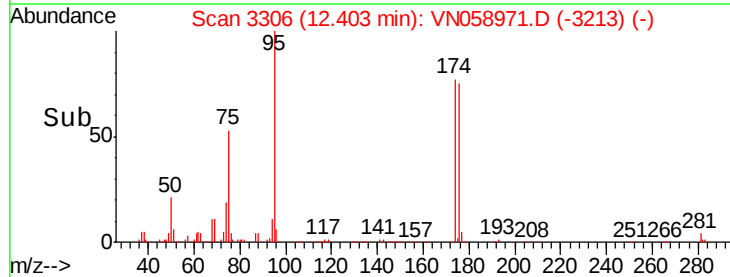
0

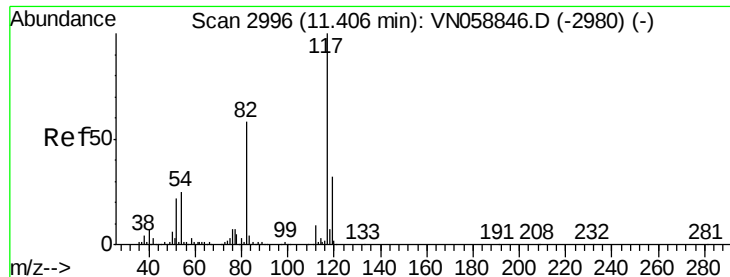
Time-->

12.35

12.40

12.45

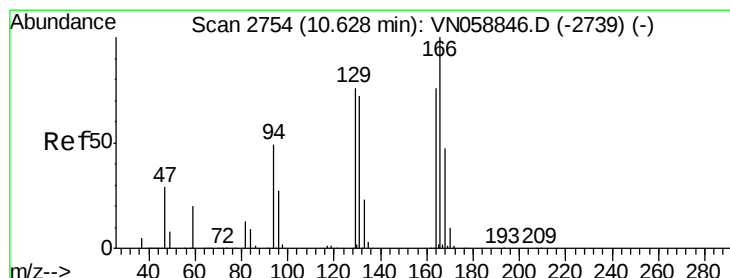
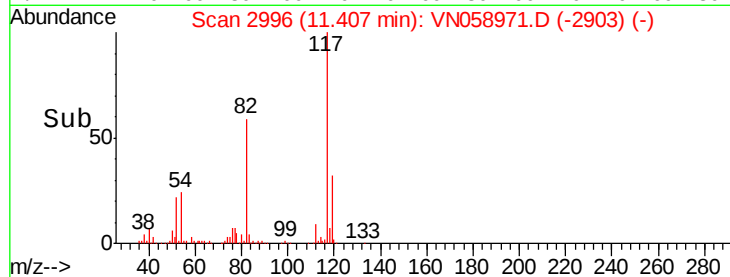
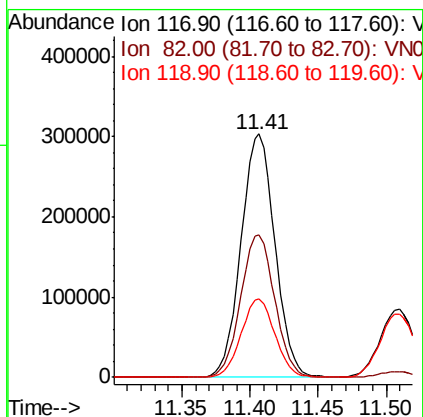
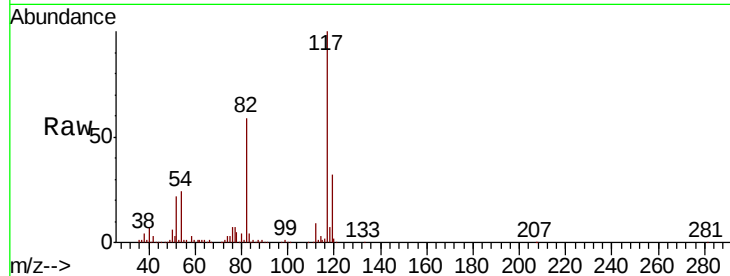




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

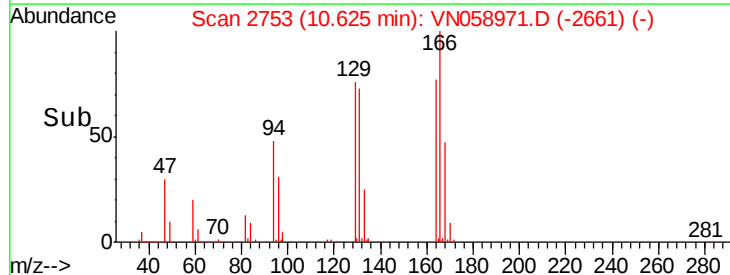
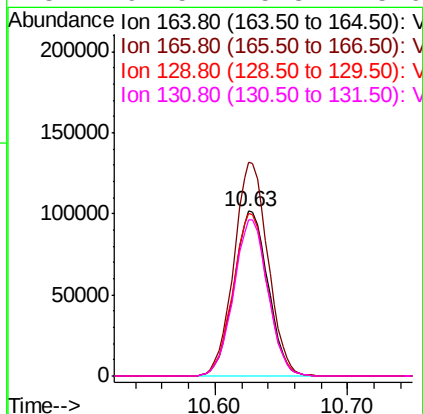
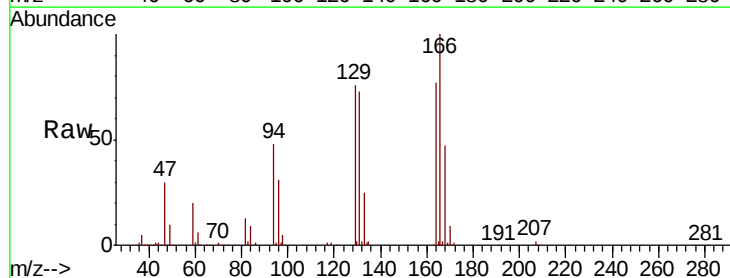
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

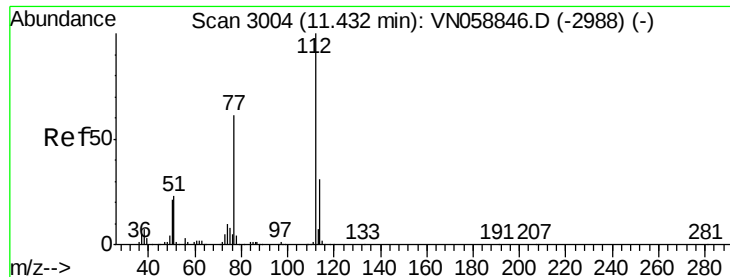
Tot Ion:117 Resp: 523717  
Ion Ratio Lower Upper  
117 100  
82 58.6 46.6 69.8  
119 32.2 25.6 38.4



#64  
Tetrachloroethene  
Concen: 49.762 ug/l  
RT: 10.63 min Scan# 2753  
Delta R.T. -0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Tgt Ion:164 Resp: 182514  
Ion Ratio Lower Upper  
164 100  
166 129.7 104.8 157.2  
129 99.0 79.3 118.9  
131 94.5 75.8 113.6

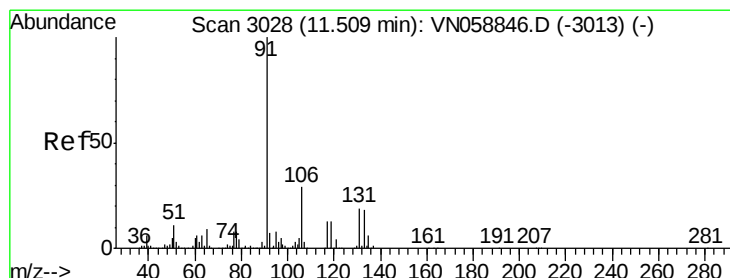
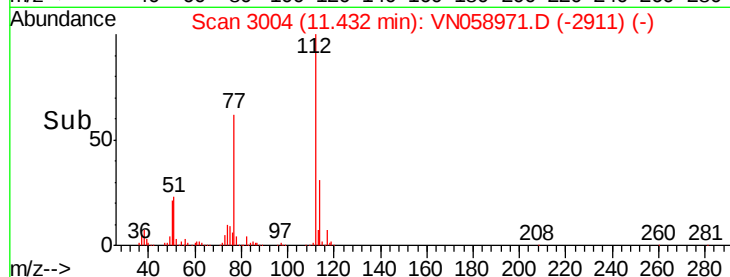
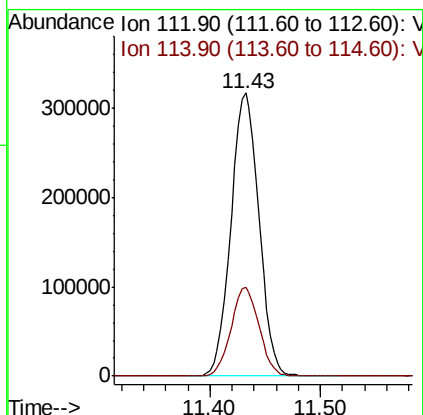
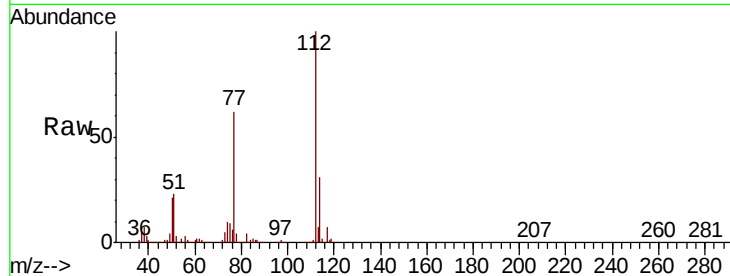




#65  
Chlorobenzene  
Concen: 52.337 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

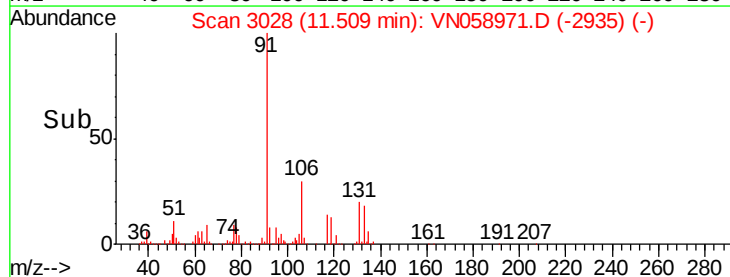
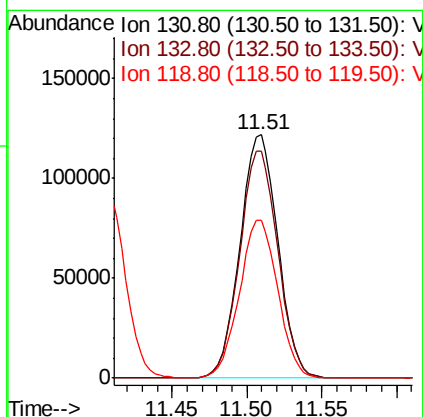
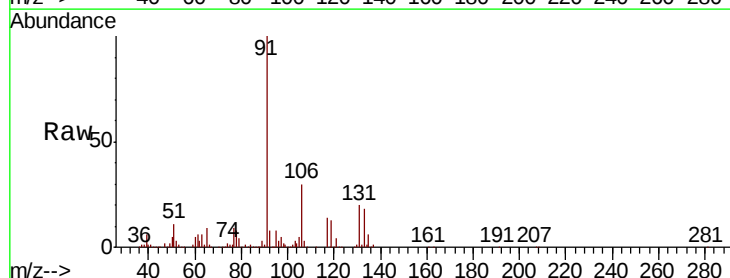
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

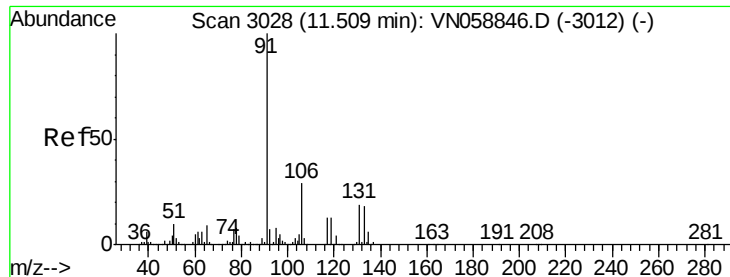
Tot Ion:112 Resp: 558028  
Ion Ratio Lower Upper  
112 100  
114 31.5 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.309 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Tgt Ion:131 Resp: 214486  
Ion Ratio Lower Upper  
131 100  
133 94.7 48.4 145.2  
119 65.9 33.6 100.8





#67

Ethyl Benzene

Concen: 55.282 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

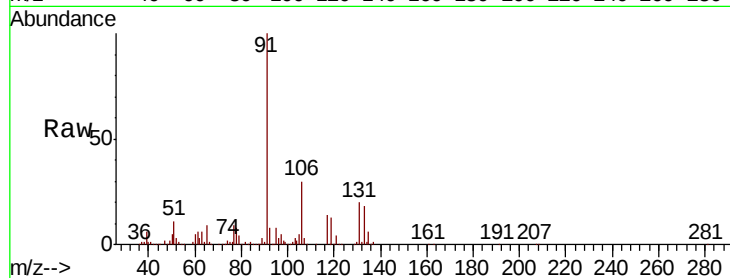
VSTDCCC050EC

Tot Ion: 91 Resp: 1033983

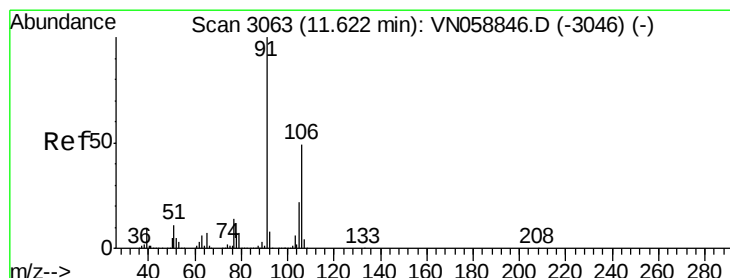
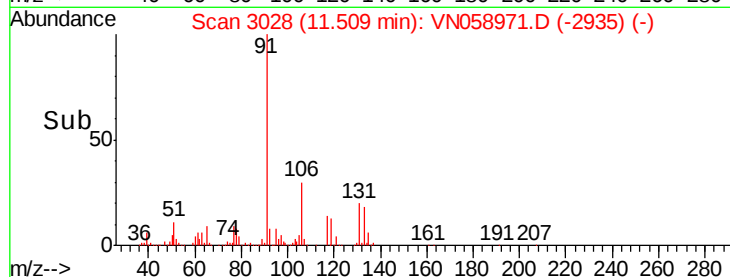
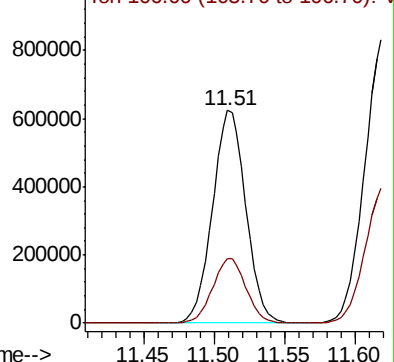
Ion Ratio Lower Upper

91 100

106 30.3 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3012) (-)



#68

m/p-Xylenes

Concen: 109.551 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058971.D

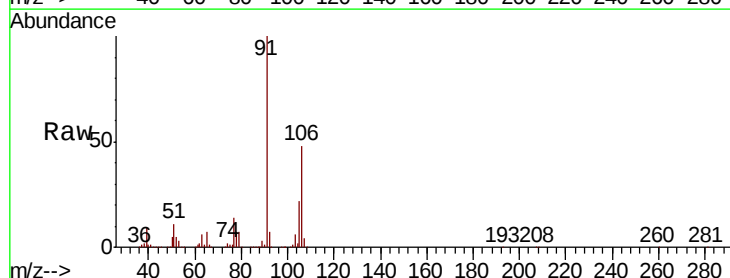
Acq: 24 Oct 2019 18:52

Tgt Ion: 106 Resp: 759877

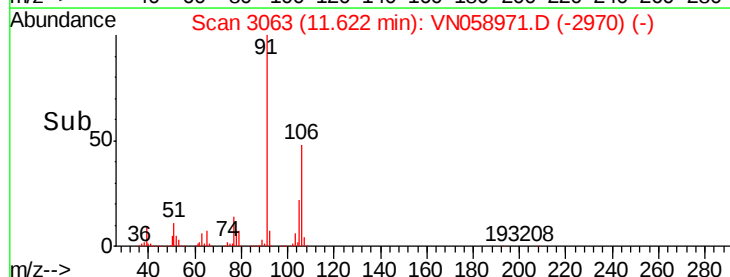
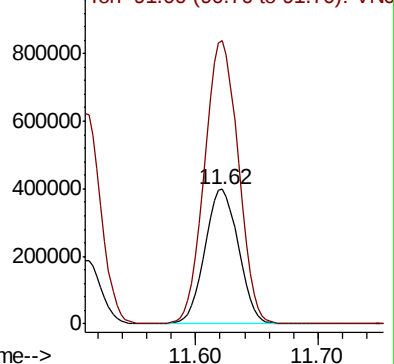
Ion Ratio Lower Upper

106 100

91 211.7 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058846.D (-3046) (-)

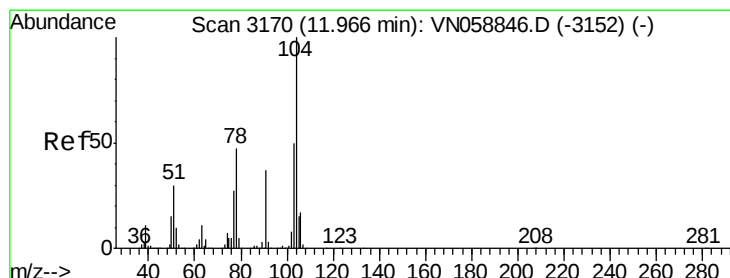
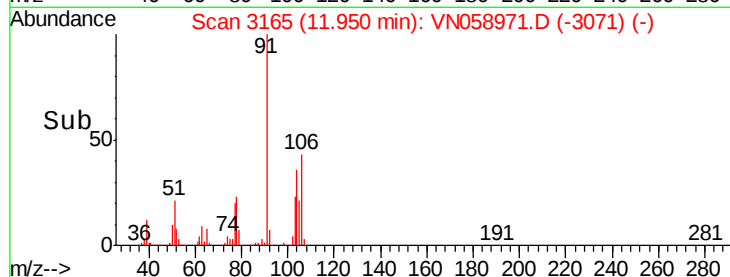
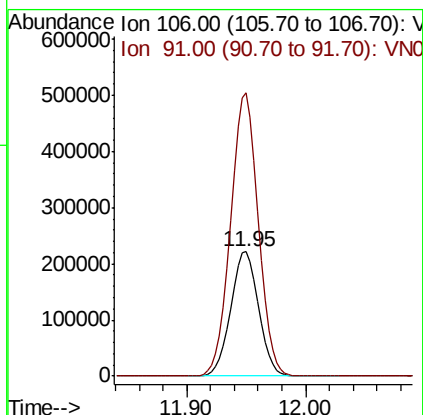
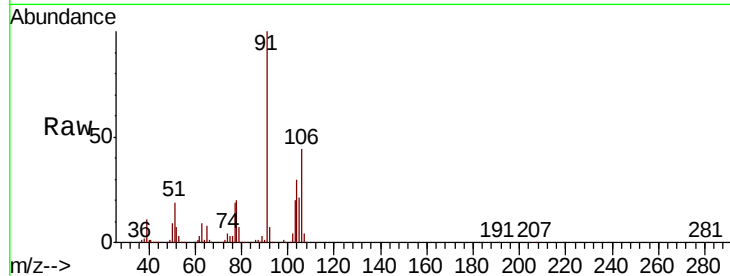




#69  
o-Xylene  
Concen: 54.335 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

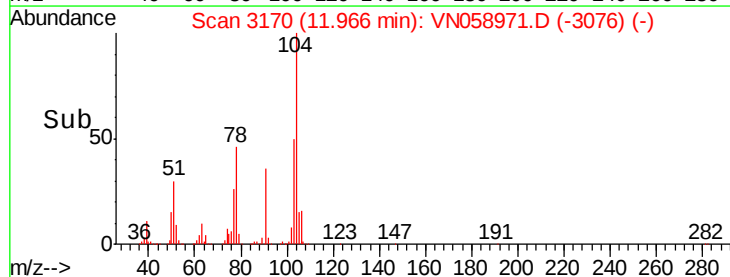
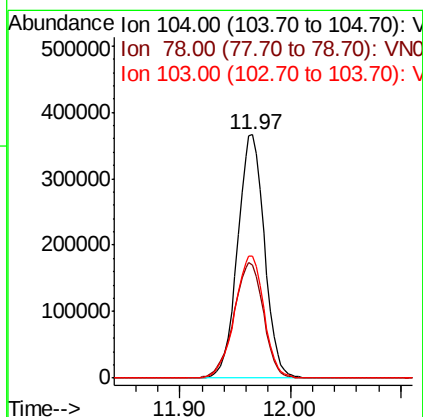
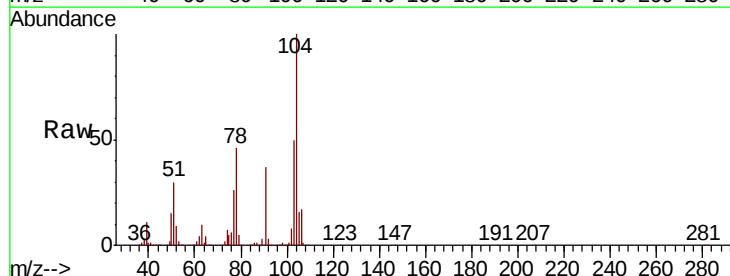
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

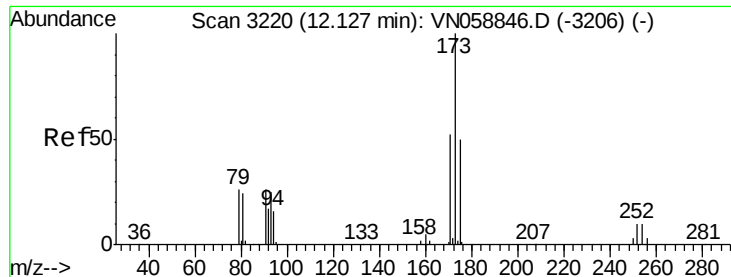
Tot Ion:106 Resp: 359446  
Ion Ratio Lower Upper  
106 100  
91 225.8 111.5 334.4



#70  
Styrene  
Concen: 50.530 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Tgt Ion:104 Resp: 617250  
Ion Ratio Lower Upper  
104 100  
78 52.6 42.8 64.2  
103 54.9 44.3 66.5





#71

Bromoform

Concen: 54.038 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

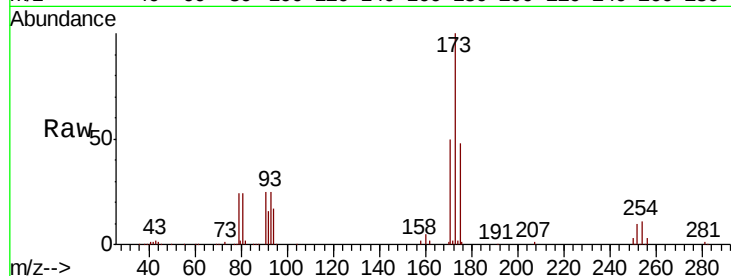
Tot Ion:173 Resp: 168595

Ion Ratio Lower Upper

173 100

175 48.8 24.7 74.1

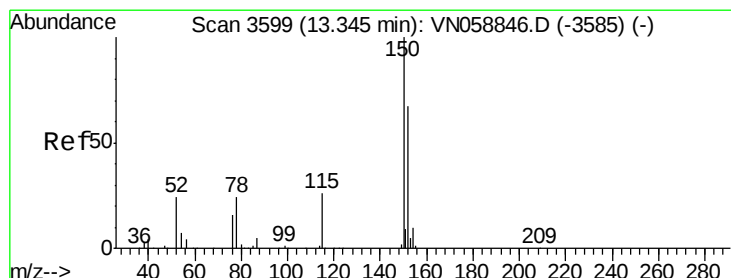
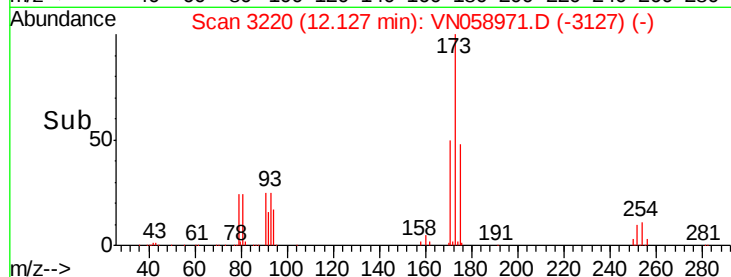
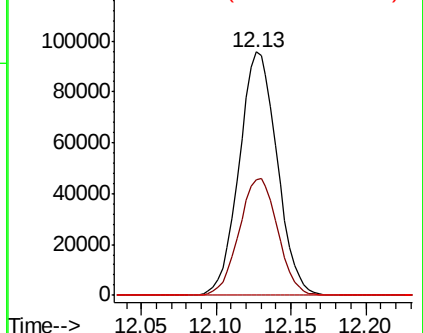
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

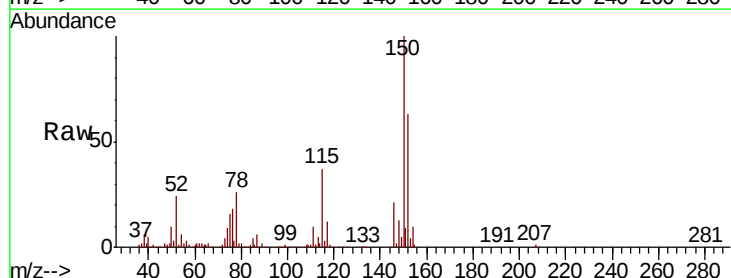
Tgt Ion:152 Resp: 259989

Ion Ratio Lower Upper

152 100

115 59.4 30.5 91.5

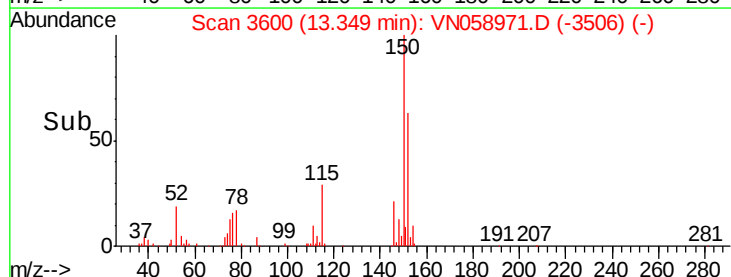
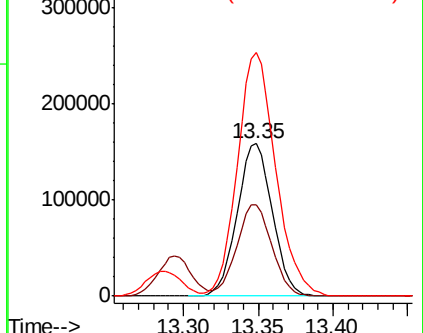
150 173.8 0.0 344.4

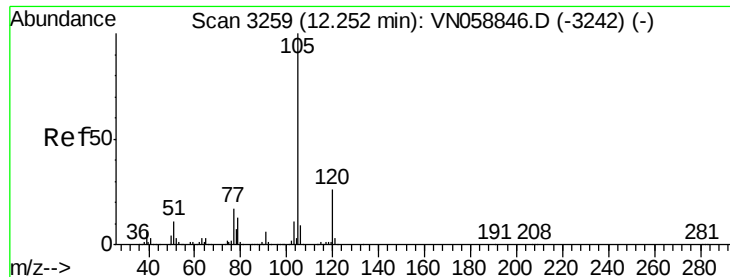


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.716 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

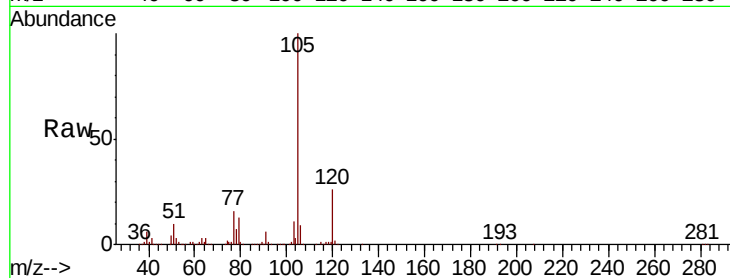
VSTDCCC050EC

Tot Ion: 105 Resp: 1001616

Ion Ratio Lower Upper

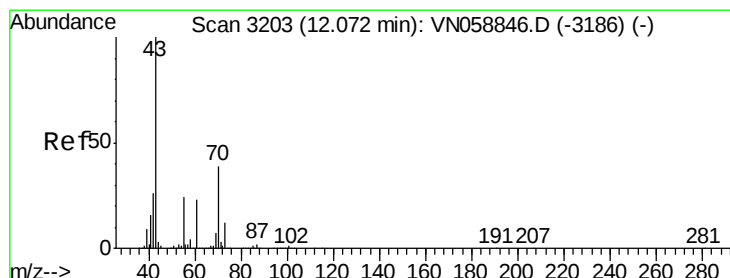
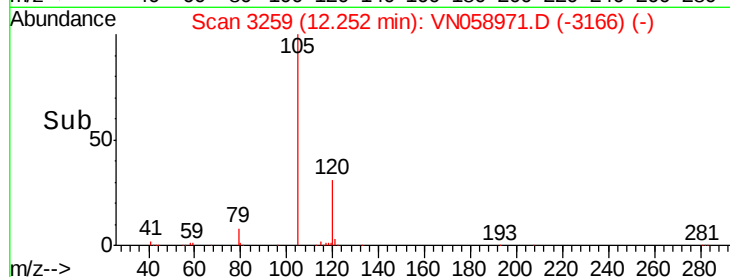
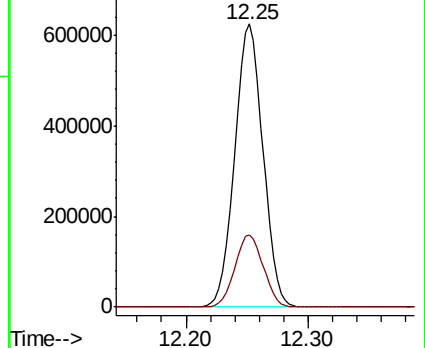
105 100

120 25.7 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.482 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Tgt Ion: 43 Resp: 469307

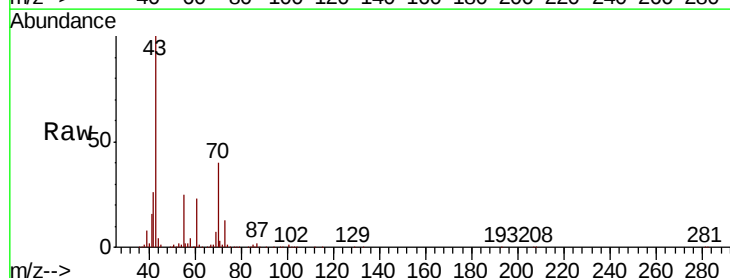
Ion Ratio Lower Upper

43 100

70 39.4 30.9 46.3

55 25.4 19.7 29.5

61 23.3 18.2 27.4

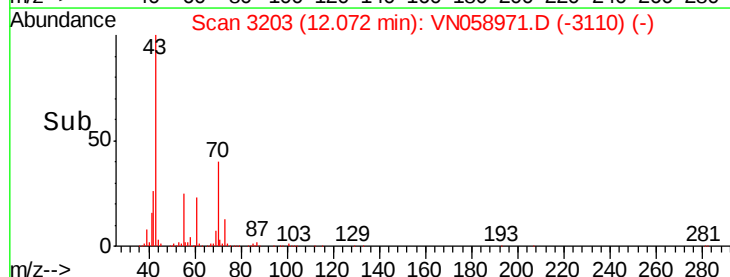
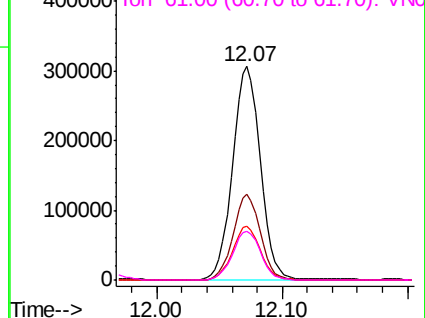


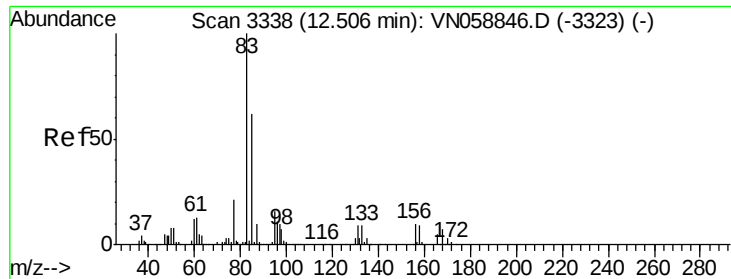
Abundance Ion 43.00 (42.70 to 43.70): V

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: 50.637 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

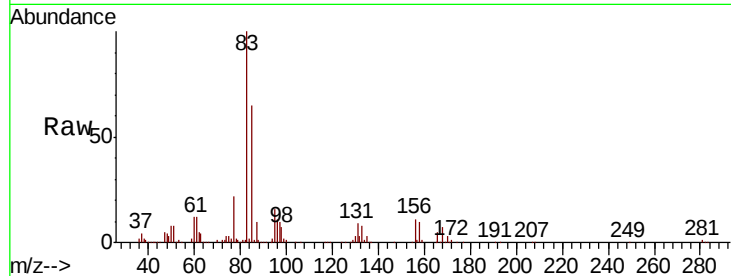
Tot Ion: 83 Resp: 338300

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.1

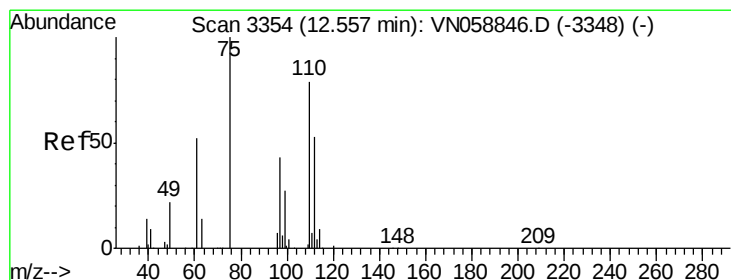
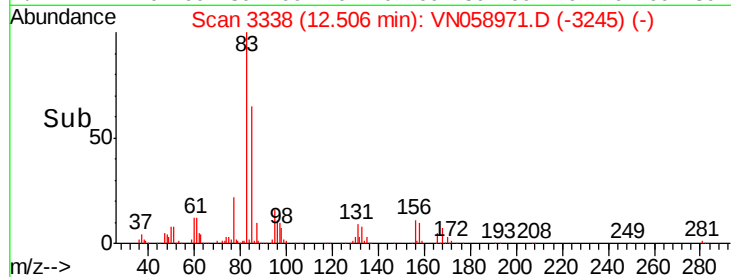
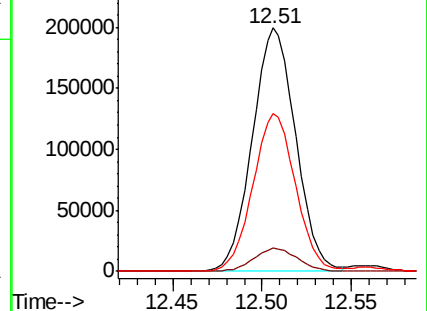
85 63.8 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN058846.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 74.705 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058971.D

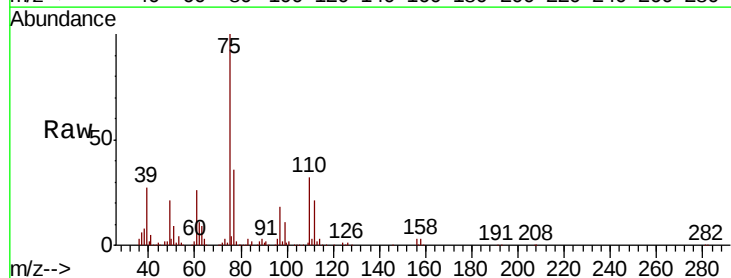
Acq: 24 Oct 2019 18:52

Tgt Ion: 75 Resp: 450137

Ion Ratio Lower Upper

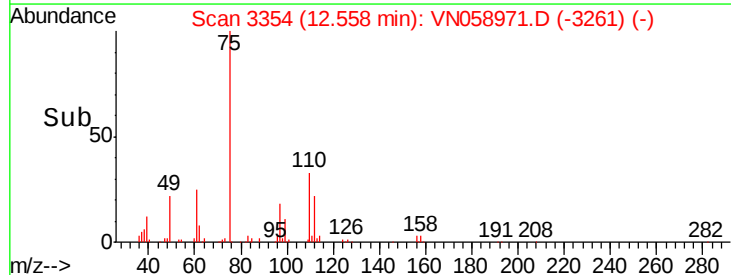
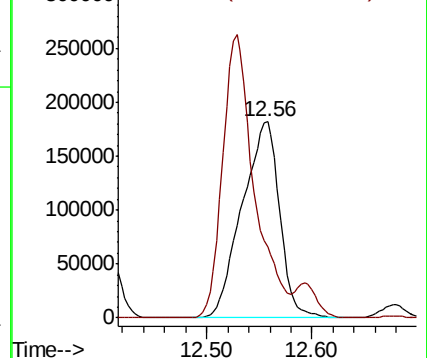
75 100

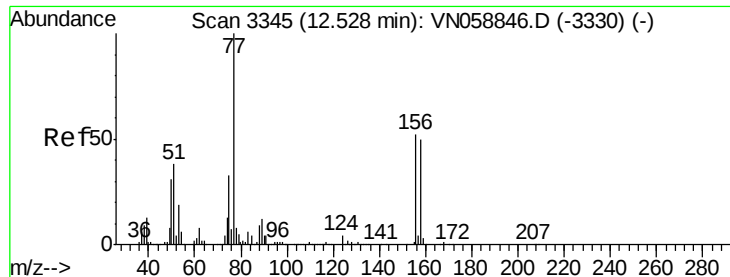
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN058846.D (-3348) (-)





#77

Bromobenzene

Concen: 50.615 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

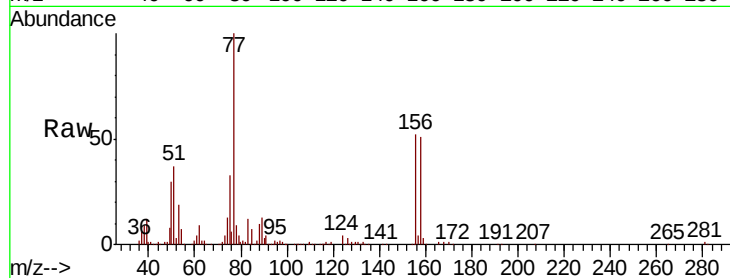
Tot Ion:156 Resp: 237041

Ion Ratio Lower Upper

156 100

77 232.3 118.0 354.0

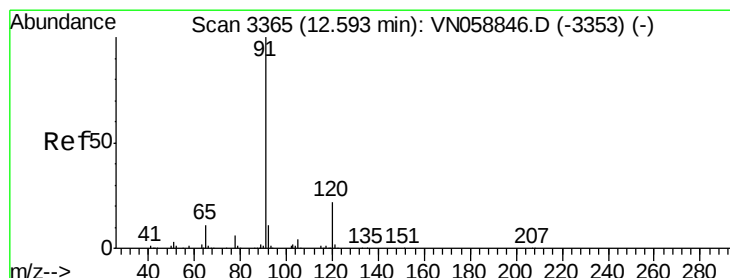
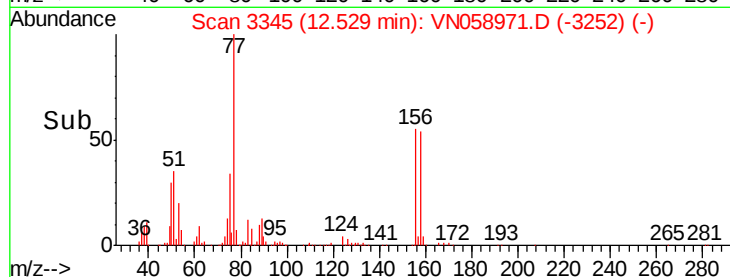
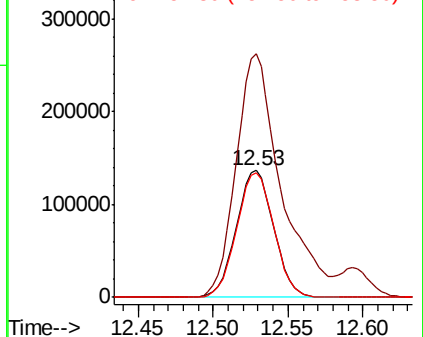
158 98.2 48.3 144.8



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: 53.057 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058971.D

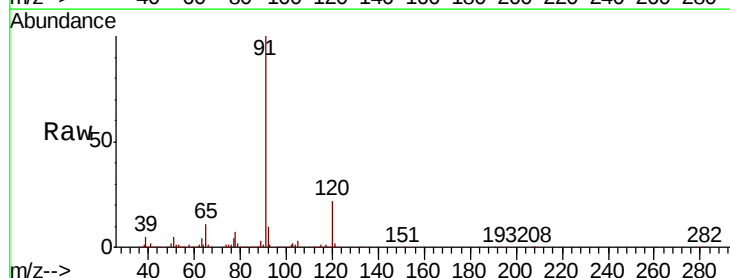
Acq: 24 Oct 2019 18:52

Tgt Ion: 91 Resp: 1191612

Ion Ratio Lower Upper

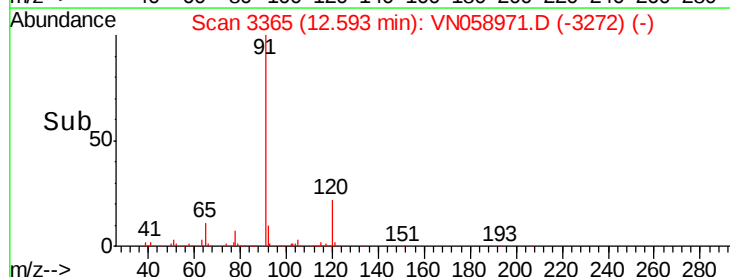
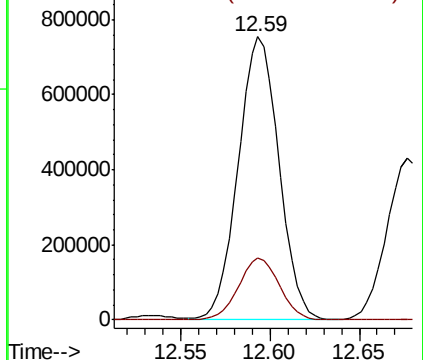
91 100

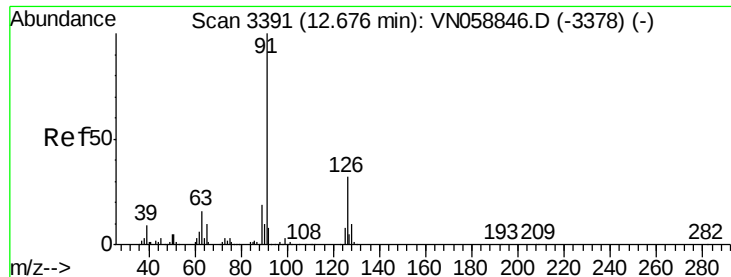
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

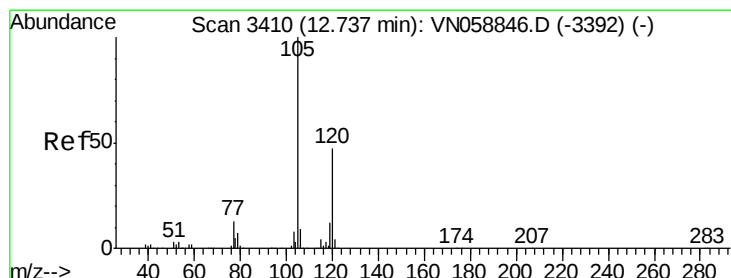
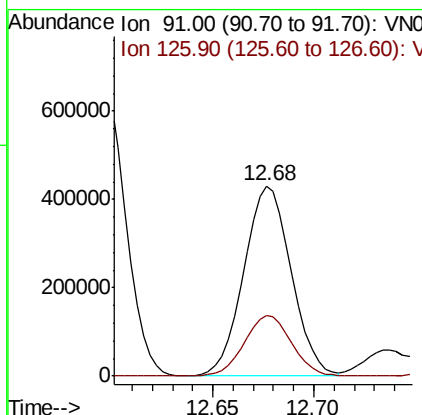
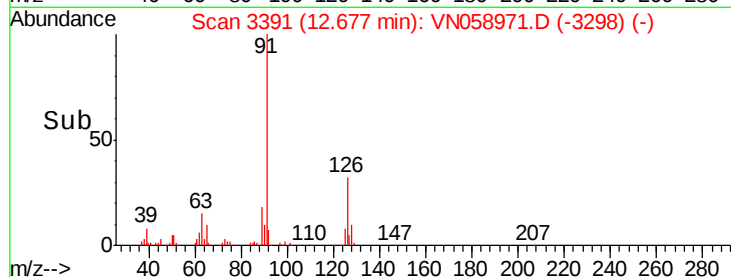
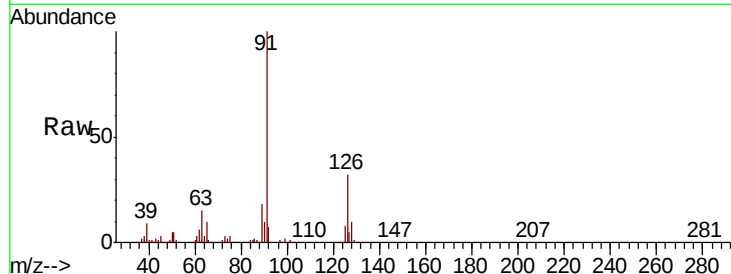




#79  
 2-Chlorotoluene  
 Concen: 51.286 ug/l  
 RT: 12.68 min Scan# 3391  
 Delta R.T. 0.00 min  
 Lab File: VN058971.D  
 Acq: 24 Oct 2019 18:52

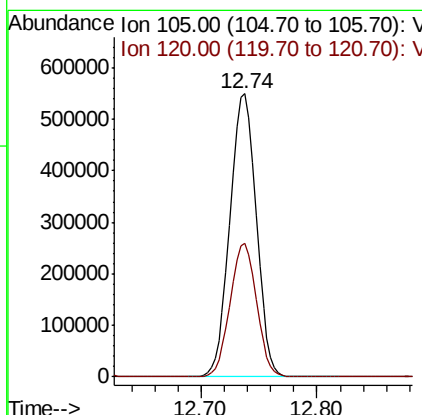
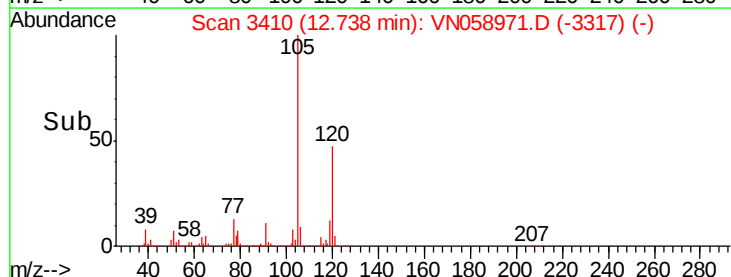
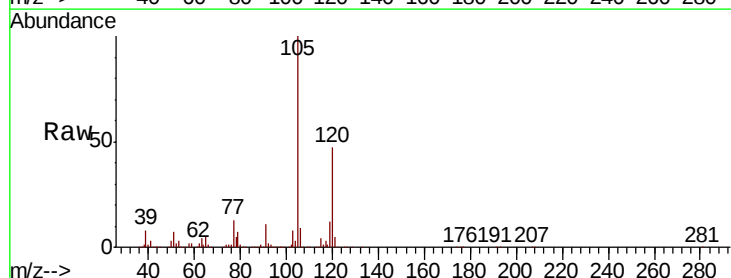
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 91 Resp: 704975  
 Ion Ratio Lower Upper  
 91 100  
 126 32.2 16.2 48.6



#80  
 1,3,5-Trimethylbenzene  
 Concen: 53.885 ug/l  
 RT: 12.74 min Scan# 3410  
 Delta R.T. 0.00 min  
 Lab File: VN058971.D  
 Acq: 24 Oct 2019 18:52

Tgt Ion: 105 Resp: 860202  
 Ion Ratio Lower Upper  
 105 100  
 120 47.2 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 49.351 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

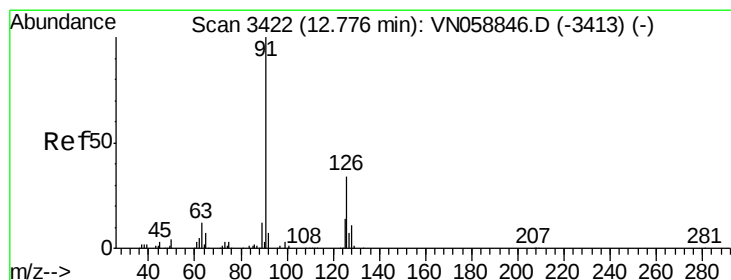
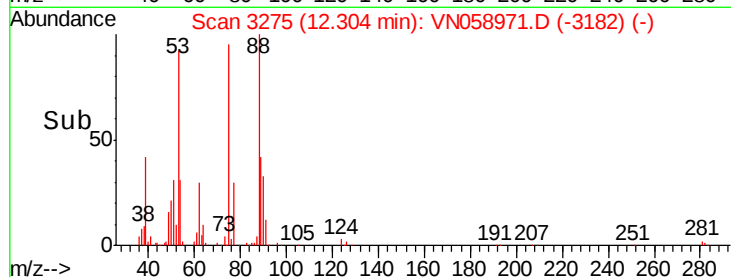
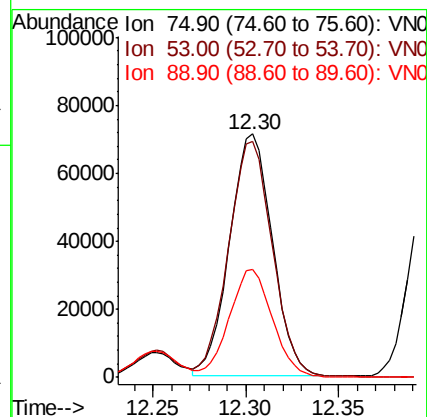
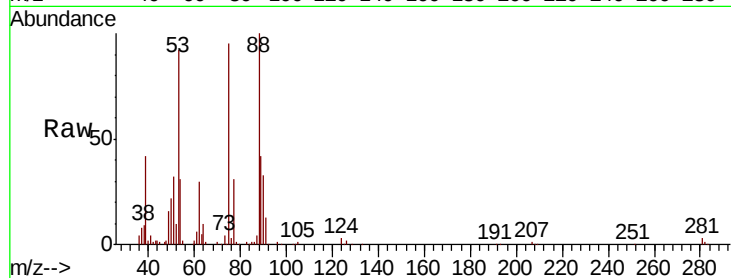
Tot Ion: 75 Resp: 114148

Ion Ratio Lower Upper

75 100

53 100.8 78.6 118.0

89 45.3 35.4 53.0



#82

4-Chlorotoluene

Concen: 51.994 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058971.D

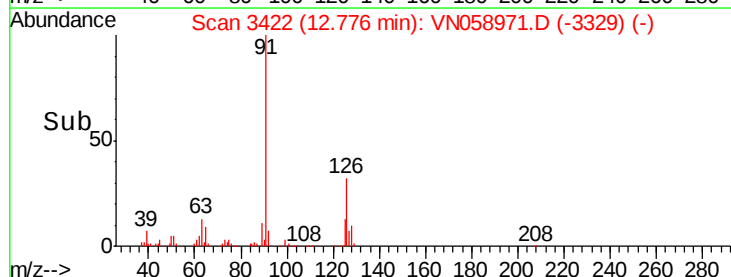
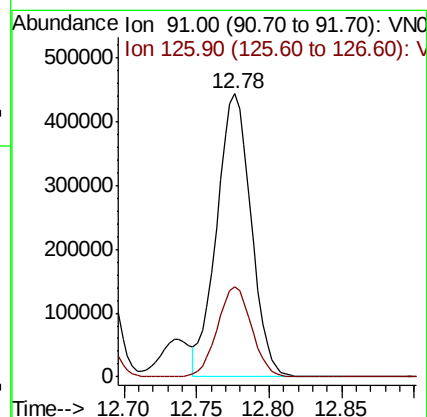
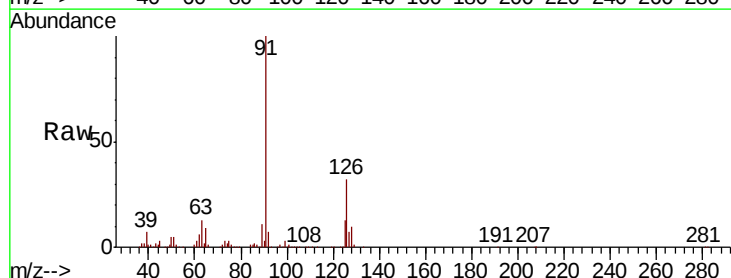
Acq: 24 Oct 2019 18:52

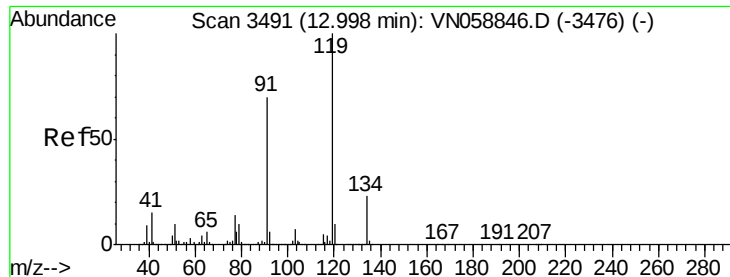
Tgt Ion: 91 Resp: 730378

Ion Ratio Lower Upper

91 100

126 31.7 16.0 47.9

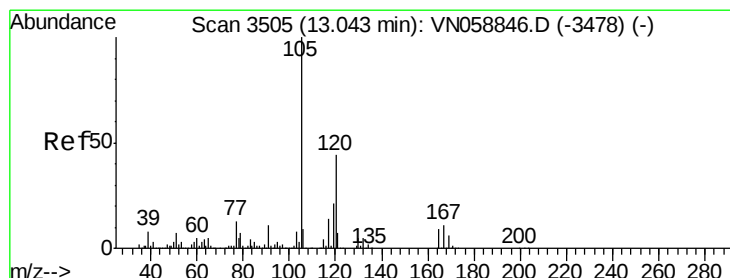
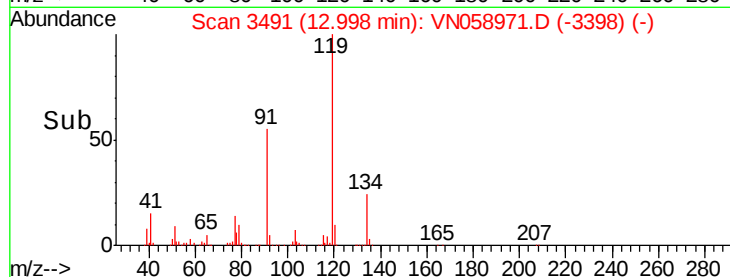
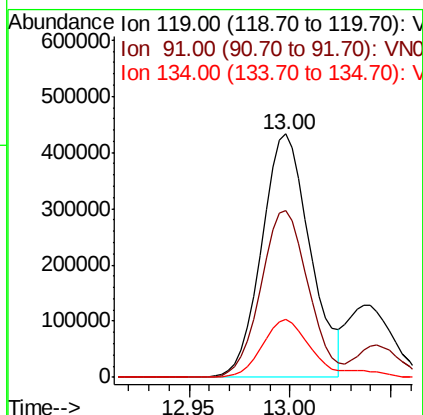
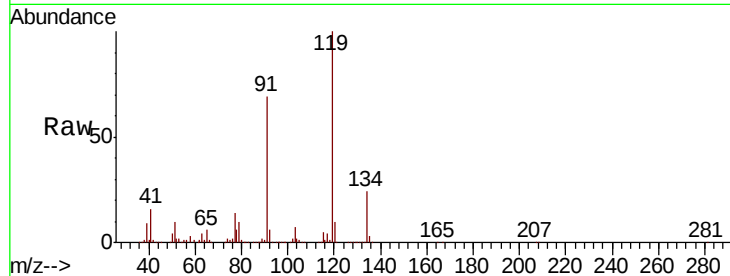




#83  
tert-Butylbenzene  
Concen: 52.909 ug/l  
RT: 13.00 min Scan# 3491  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

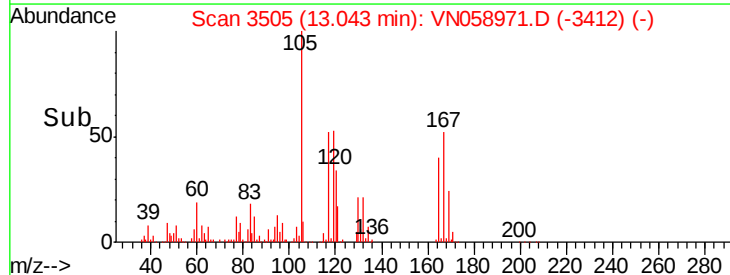
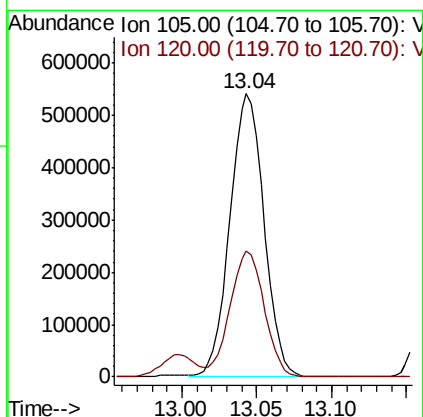
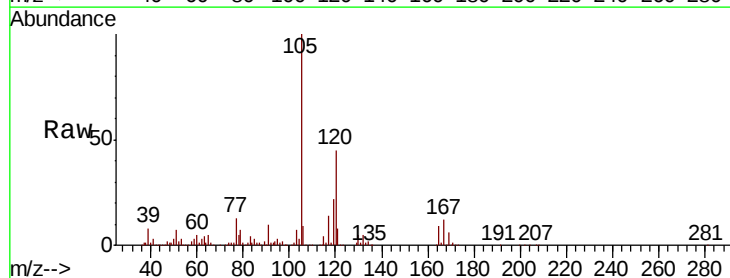
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

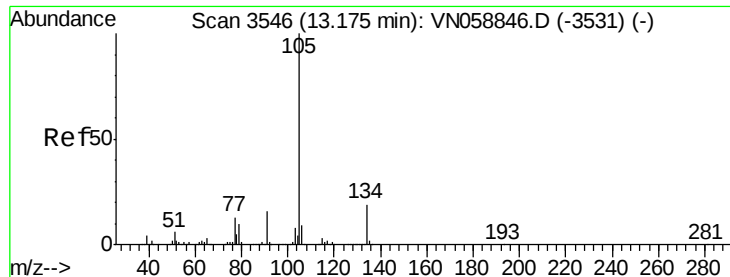
Tot Ion:119 Resp: 722263  
Ion Ratio Lower Upper  
119 100  
91 67.4 34.1 102.3  
134 23.4 11.6 34.8



#84  
1,2,4-Trimethylbenzene  
Concen: 54.474 ug/l  
RT: 13.04 min Scan# 3505  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Tgt Ion:105 Resp: 857733  
Ion Ratio Lower Upper  
105 100  
120 44.8 21.9 65.8





#85

sec-Butylbenzene

Concen: 53.767 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

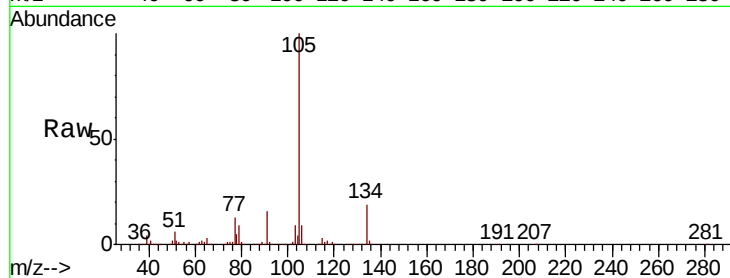
VSTDCCC050EC

Tot Ion:105 Resp: 978574

Ion Ratio Lower Upper

105 100

134 19.3 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

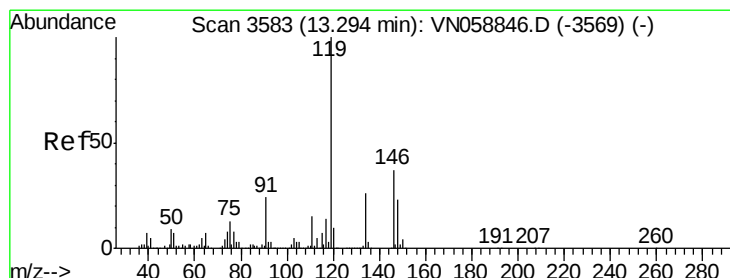
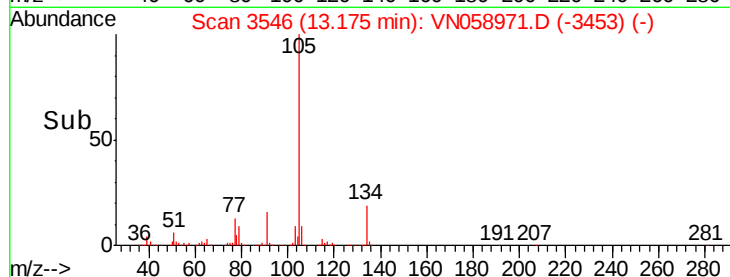
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 54.958 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

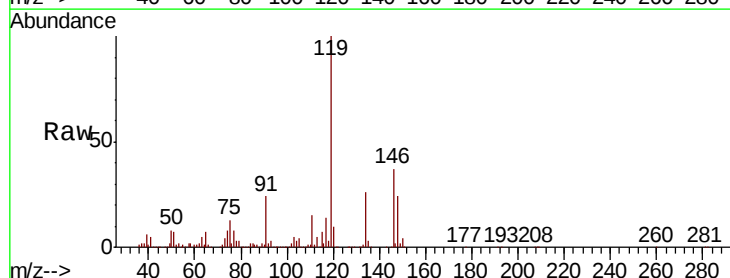
Tgt Ion:119 Resp: 882572

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 24.7 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

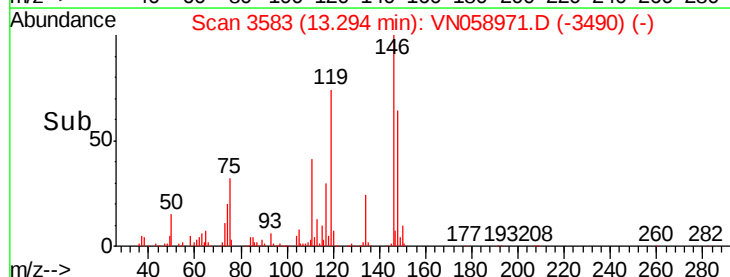
600000

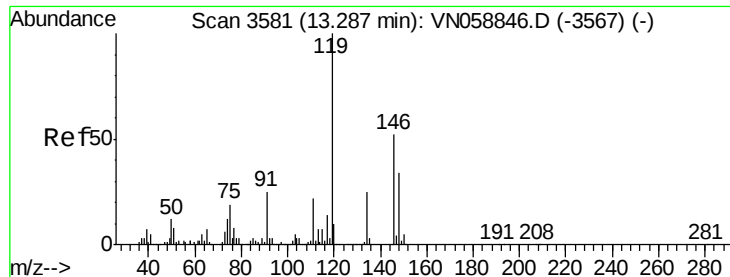
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.481 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

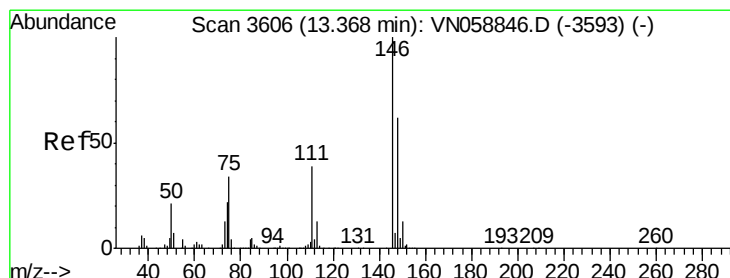
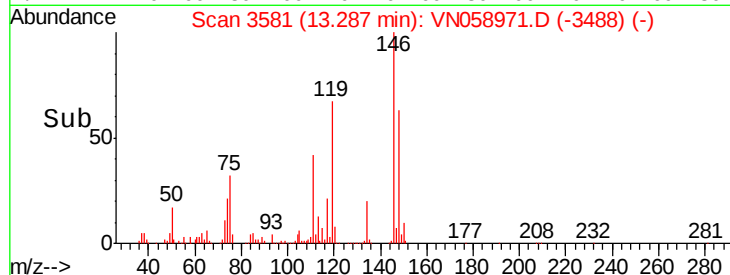
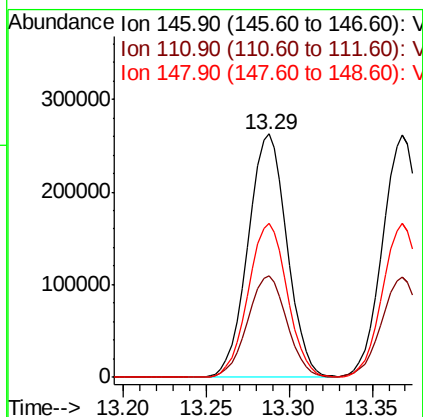
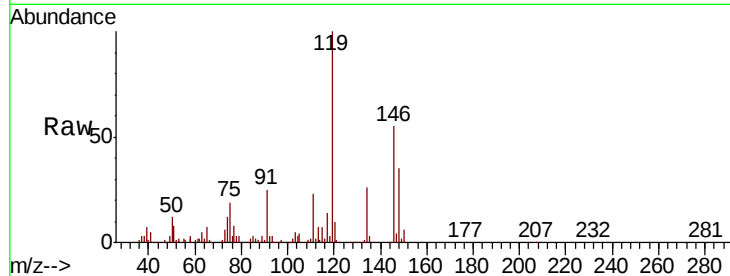
Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:146 Resp: 431103

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 41.9  | 21.0  | 63.0  |
| 148 | 63.4  | 32.1  | 96.3  |



#88

1,4-Dichlorobenzene

Concen: 50.632 ug/l

RT: 13.37 min Scan# 3606

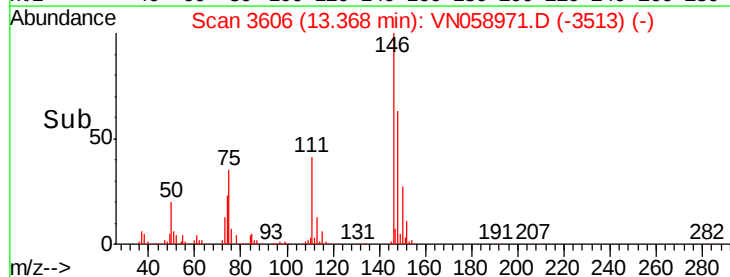
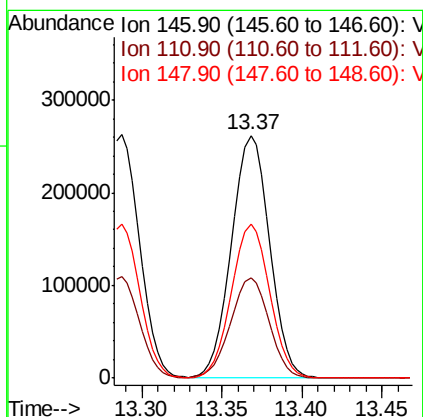
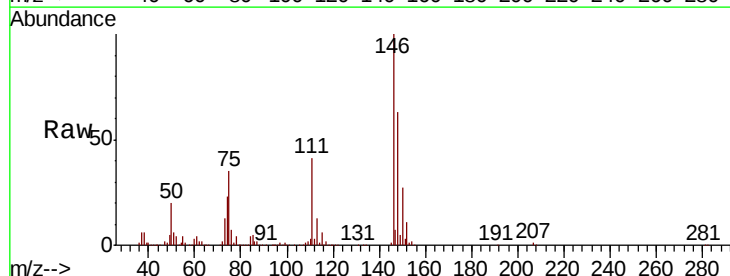
Delta R.T. 0.00 min

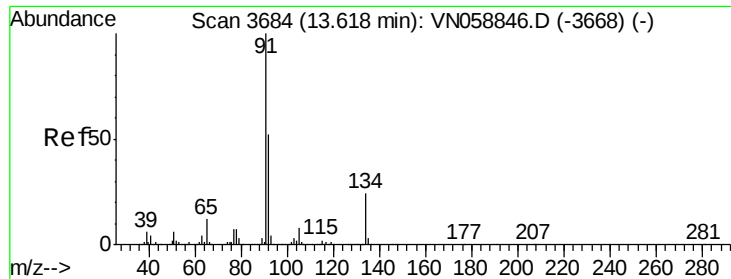
Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Tgt Ion:146 Resp: 424495

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 41.7  | 20.2  | 60.6  |
| 148 | 63.8  | 31.6  | 94.7  |

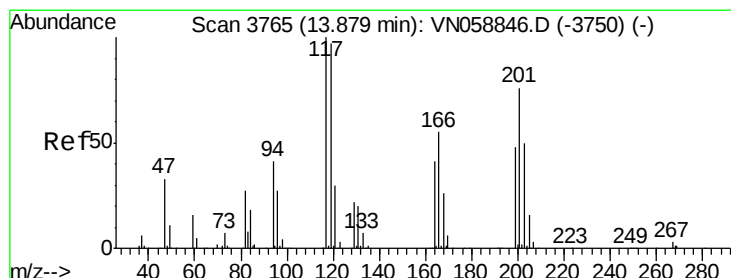
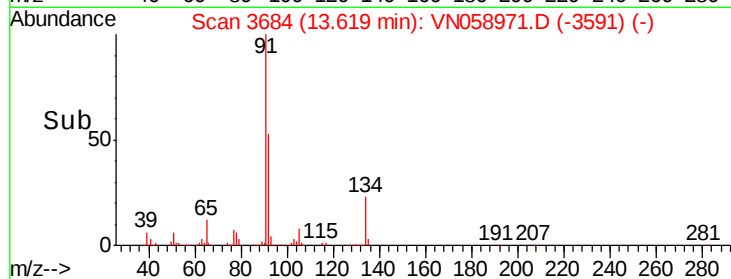
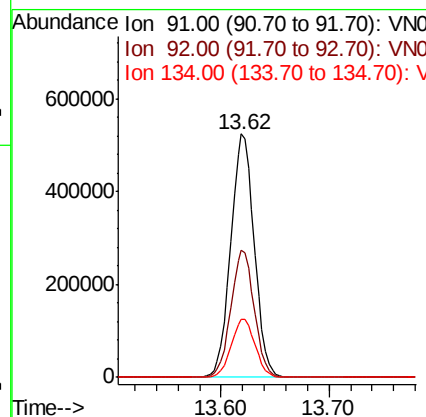
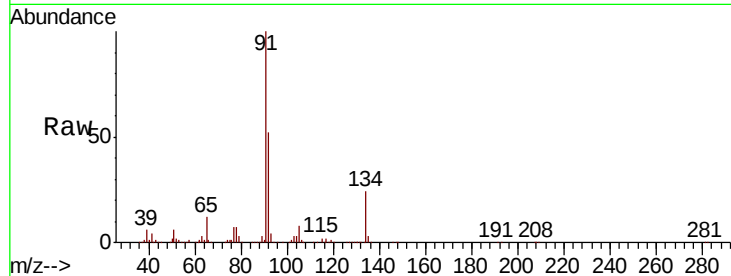




#89  
n-Butylbenzene  
Concen: 53.918 ug/l  
RT: 13.62 min Scan# 3684  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

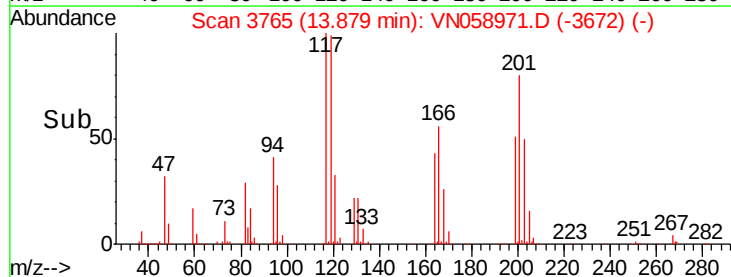
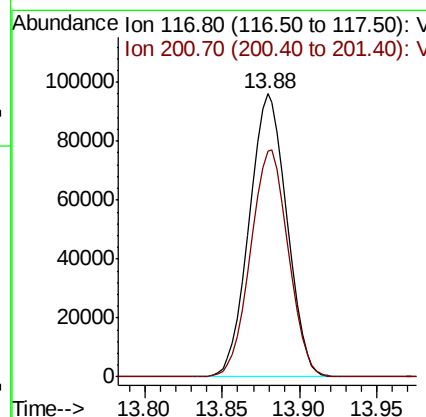
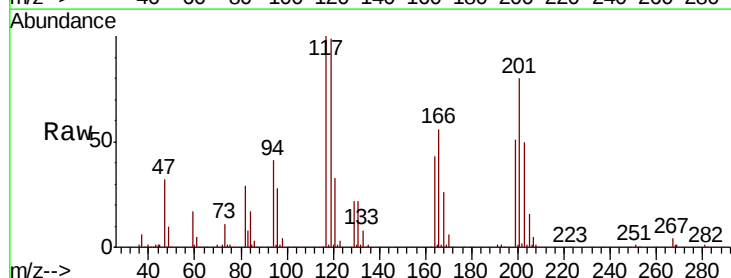
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

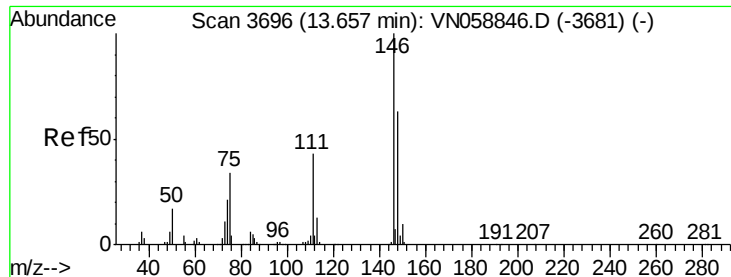
Tot Ion: 91 Resp: 795407  
Ion Ratio Lower Upper  
91 100  
92 51.9 25.7 77.1  
134 24.3 11.9 35.5



#90  
Hexachloroethane  
Concen: 50.118 ug/l  
RT: 13.88 min Scan# 3765  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Tgt Ion: 117 Resp: 163091  
Ion Ratio Lower Upper  
117 100  
201 80.5 38.9 116.6





#91

1,2-Dichlorobenzene

Concen: 51.820 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

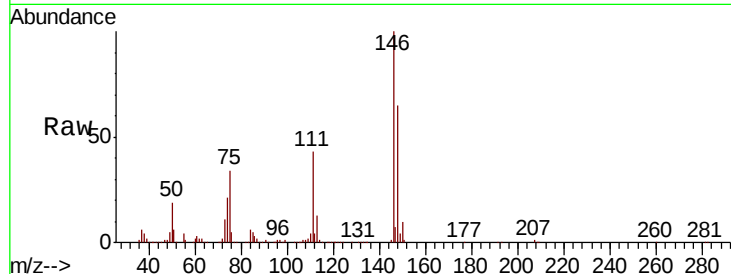
Tot Ion:146 Resp: 426512

Ion Ratio Lower Upper

146 100

111 43.0 21.6 64.8

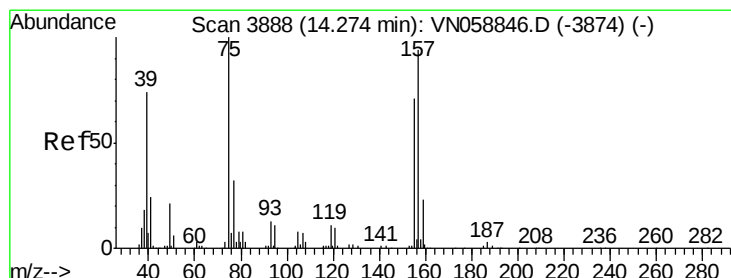
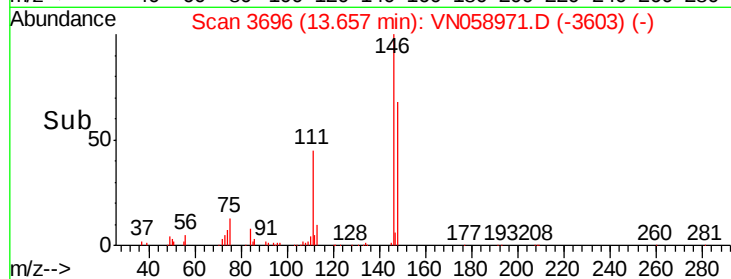
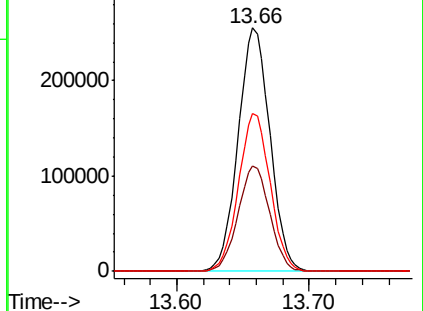
148 64.3 31.9 95.9



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: 47.672 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN058971.D

Acq: 24 Oct 2019 18:52

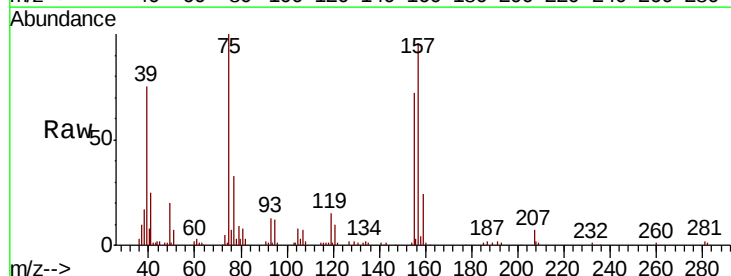
Tgt Ion: 75 Resp: 72036

Ion Ratio Lower Upper

75 100

155 73.1 35.6 106.8

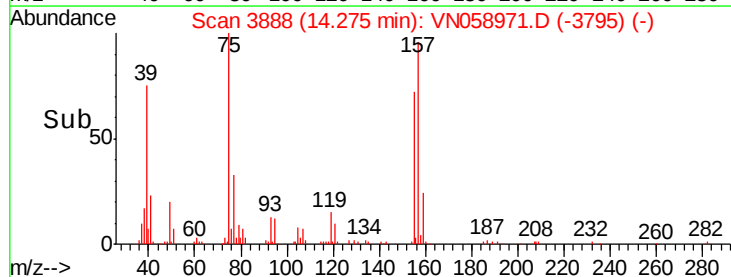
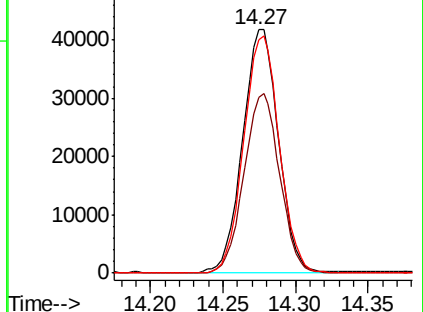
157 96.2 47.4 142.2

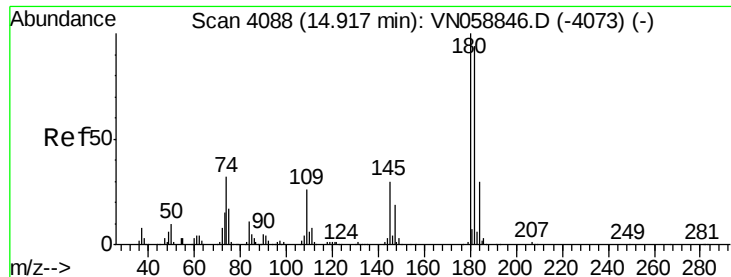


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

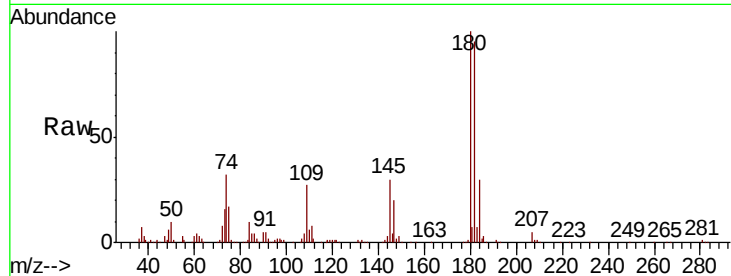




#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.167 ug/l  
 RT: 14.91 min Scan# 4087  
 Delta R.T. -0.00 min  
 Lab File: VN058971.D  
 Acq: 24 Oct 2019 18:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.7  | 47.3  | 142.0 |
| 145     | 30.8  | 15.3  | 45.8  |

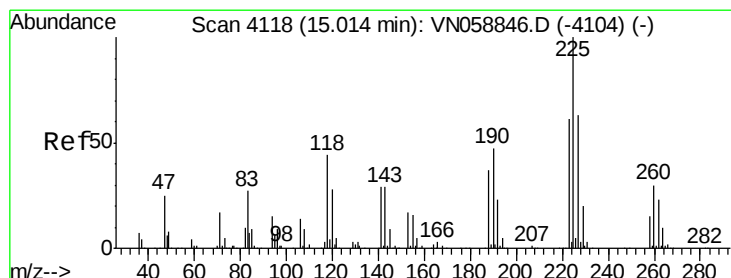
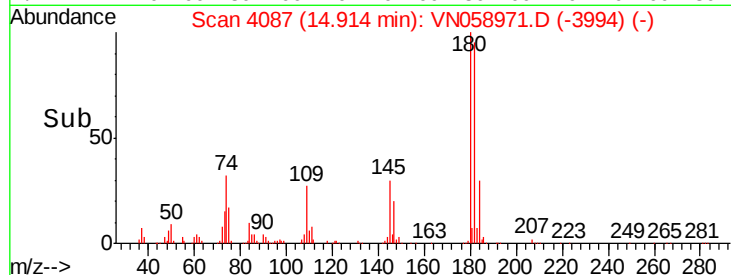
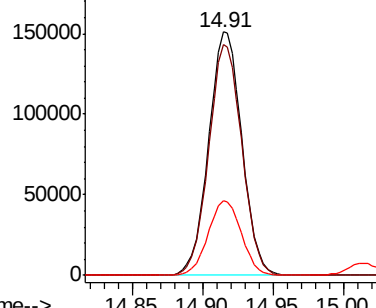


Abundance

Ion 179.80 (179.50 to 180.50): V

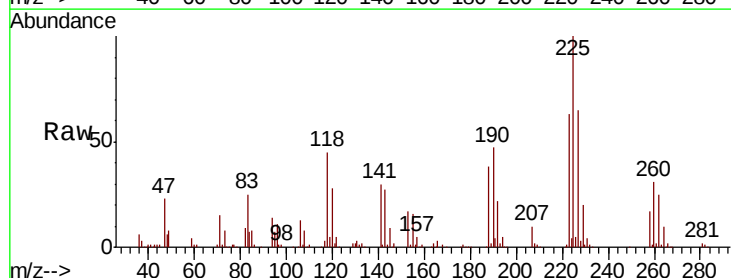
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 48.927 ug/l  
 RT: 15.01 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN058971.D  
 Acq: 24 Oct 2019 18:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.8  | 30.9  | 92.5  |
| 227     | 63.4  | 31.6  | 94.7  |

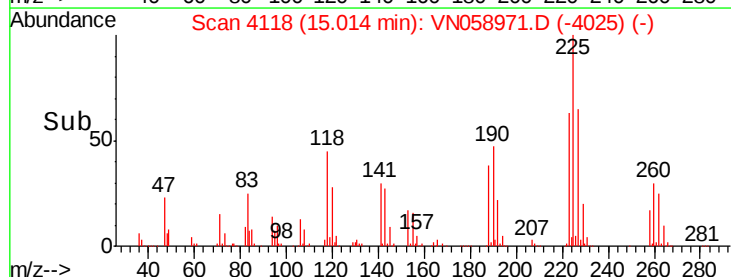
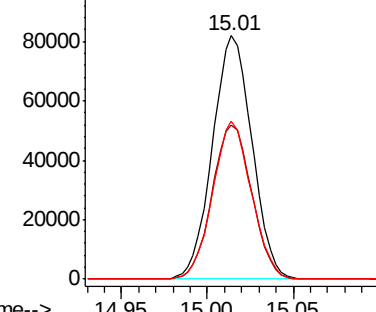


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

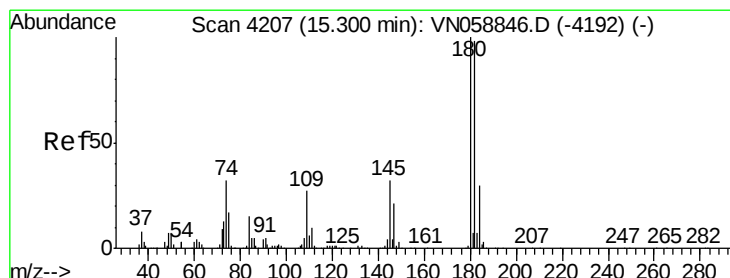
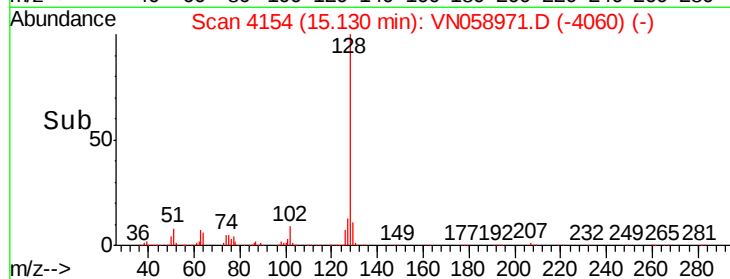
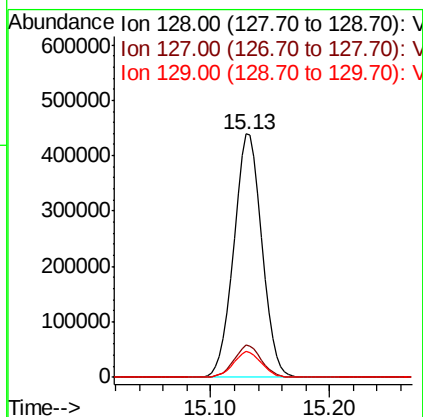
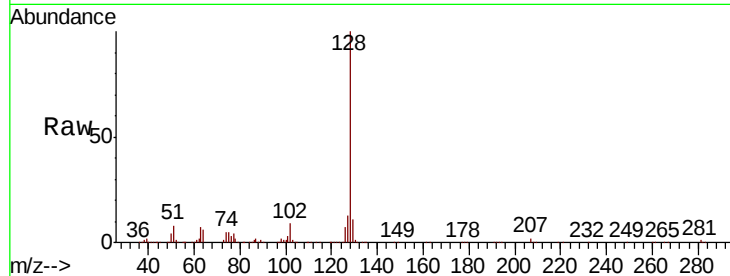




#95  
Naphthalene  
Concen: 48.357 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:128 Resp: 718983  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.2 15.2  
129 10.6 8.4 12.6



#96  
1,2,3-Trichlorobenzene  
Concen: 48.927 ug/l  
RT: 15.30 min Scan# 4207  
Delta R.T. 0.00 min  
Lab File: VN058971.D  
Acq: 24 Oct 2019 18:52

Tgt Ion:180 Resp: 246525  
Ion Ratio Lower Upper  
180 100  
182 95.0 47.9 143.7  
145 31.6 15.9 47.7

