

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\  
 Data File : VN058891.D  
 Acq On : 21 Oct 2019 16:13  
 Operator : JC/SP  
 Sample : VN1021MBS01  
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1021MBS01

Quant Time: Oct 22 03:20:28 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  | 412218   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 660010   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 616847   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 285597   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.01   | 65  | 296696   | 49.07 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.14% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 213863   | 49.28 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.56% |      |
| 50) Toluene-d8            | 10.08  | 98  | 829611   | 49.25 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.50% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 297168   | 48.04 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.08% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 103266  | 20.092  | ug/l | 98     |
| 3) Chloromethane              | 2.04 | 50  | 124931  | 19.627  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.17 | 62  | 126188  | 19.966  | ug/l | 98     |
| 5) Bromomethane               | 2.55 | 94  | 78583   | 19.855  | ug/l | 97     |
| 6) Chloroethane               | 2.68 | 64  | 80059   | 19.753  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 156292  | 19.986  | ug/l | 97     |
| 8) Diethyl Ether              | 3.39 | 74  | 53415   | 19.766  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 85730   | 19.775  | ug/l | 99     |
| 10) Methyl Iodide             | 3.93 | 142 | 109653  | 19.231  | ug/l | 98     |
| 11) Tert butyl alcohol        | 4.76 | 59  | 100274  | 99.946  | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 82962   | 20.415  | ug/l | 96     |
| 13) Acrolein                  | 3.58 | 56  | 55016   | 79.808  | ug/l | 97     |
| 14) Allyl chloride            | 4.30 | 41  | 149725  | 18.208  | ug/l | 92     |
| 15) Acrylonitrile             | 4.96 | 53  | 248020  | 98.278  | ug/l | 99     |
| 16) Acetone                   | 3.79 | 43  | 243047  | 81.355  | ug/l | 97     |
| 17) Carbon Disulfide          | 4.03 | 76  | 250789  | 19.158  | ug/l | 98     |
| 18) Methyl Acetate            | 4.30 | 43  | 140353  | 20.664  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.02 | 73  | 293274  | 20.611  | ug/l | 100    |
| 20) Methylene Chloride        | 4.53 | 84  | 100256  | 19.653  | ug/l | 95     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 88329   | 19.682  | ug/l | 98     |
| 22) Diisopropyl ether         | 5.93 | 45  | 331388  | 20.604  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.87 | 43  | 1387674 | 107.386 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 185902  | 19.933  | ug/l | 100    |
| 25) 2-Butanone                | 6.81 | 43  | 358625  | 92.475  | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.81 | 77  | 149815  | 18.572  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.81 | 96  | 105333  | 20.546  | ug/l | 98     |
| 28) Bromochloromethane        | 7.18 | 49  | 60040   | 19.330  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.19 | 42  | 236158  | 99.546  | ug/l | 98     |
| 30) Chloroform                | 7.36 | 83  | 182070  | 19.462  | ug/l | 99     |
| 31) Cyclohexane               | 7.64 | 56  | 170848  | 19.664  | ug/l | 95     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 158012  | 20.039  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.78 | 75  | 133649  | 19.779  | ug/l | 98     |
| 37) Ethyl Acetate             | 6.91 | 43  | 148462  | 20.164  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.76 | 117 | 137240  | 19.715  | ug/l | 97     |

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 Sample : VN1021MBS01  
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1021MBS01

Quant Time: Oct 22 03:20:28 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   | 154877   | 20.413  | ug/l   | 100      |
| 40) Benzene                    | 8.02  | 78   | 403910   | 20.356  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.16  | 41   | 70118    | 21.383  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.11  | 62   | 155717   | 20.373  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.15  | 43   | 235824   | 19.971  | ug/l # | 93       |
| 44) Trichloroethene            | 8.82  | 130  | 97084    | 20.086  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 109936   | 20.205  | ug/l   | 98       |
| 46) Dibromomethane             | 9.20  | 93   | 68993    | 20.058  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.39  | 83   | 142000   | 20.030  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.19  | 41   | 109807   | 20.496  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 33182    | 377.303 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 746519   | 108.237 | ug/l   | 99       |
| 52) Toluene                    | 10.15 | 92   | 243369   | 20.683  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 156396   | 19.928  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 167547   | 19.982  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 97389    | 20.091  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 144859   | 19.142  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 172381   | 20.262  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 313142   | 94.674  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 548495   | 102.915 | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 103819   | 19.898  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 101522   | 20.465  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 86017    | 19.911  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 254317   | 20.251  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 96864    | 20.440  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 465079   | 21.111  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.62 | 106  | 342302   | 41.899  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 162545   | 20.861  | ug/l   | 97       |
| 70) Styrene                    | 11.97 | 104  | 260596   | 19.212  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 72406    | 19.704  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 443877   | 21.267  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 200053   | 21.142  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 150027   | 20.443  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 201761   | 30.482  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 106107   | 20.625  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 521853   | 21.152  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 311450   | 20.626  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 375043   | 21.387  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 50447    | 19.855  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 319203   | 20.686  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.00 | 119  | 317713   | 21.187  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 376016   | 21.739  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.18 | 105  | 432634   | 21.639  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 378477   | 21.455  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 186701   | 20.296  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 182829   | 19.852  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.62 | 91   | 333552   | 20.583  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 72697    | 20.337  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 186509   | 20.629  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.28 | 75   | 32816    | 19.770  | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\  
Data File : VN058891.D  
Acq On : 21 Oct 2019 16:13  
Operator : JC/SP  
Sample : VN1021MBS01  
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 21 Sample Multiplier: 1

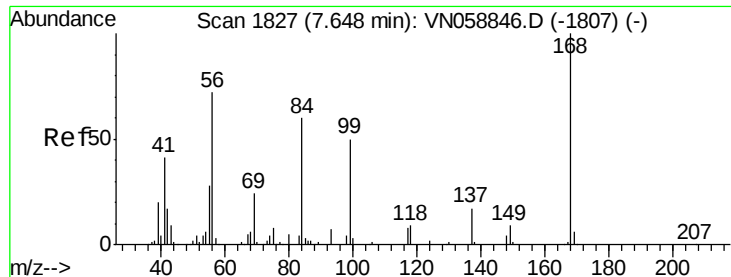
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1021MBS01

Quant Time: Oct 22 03:20:28 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 | 14.92 | 180  | 99376    | 19.100 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 55765    | 19.030 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 287342   | 19.009 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 100848   | 19.723 | 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: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

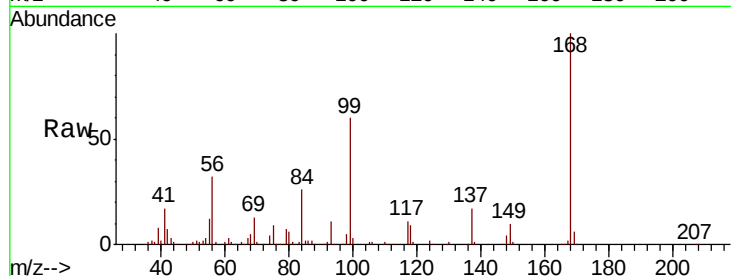
VN1021MBS01

Tot Ion:168 Resp: 412218

Ion Ratio Lower Upper

168 100

99 60.3 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

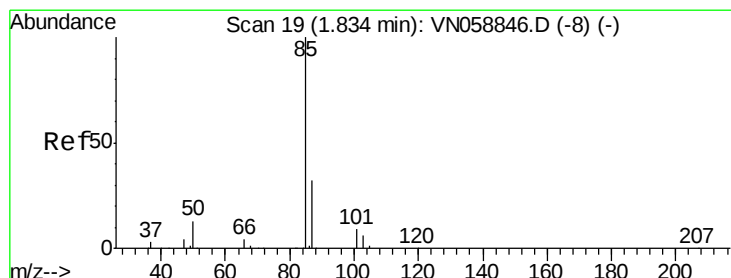
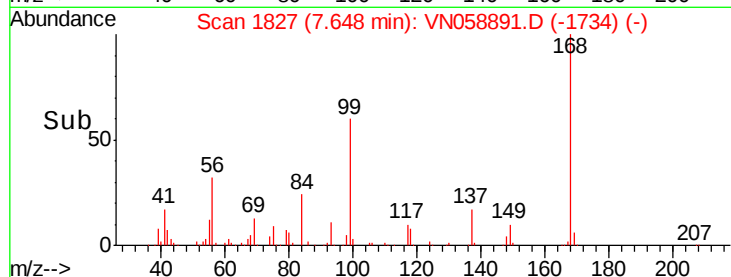
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.092 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058891.D

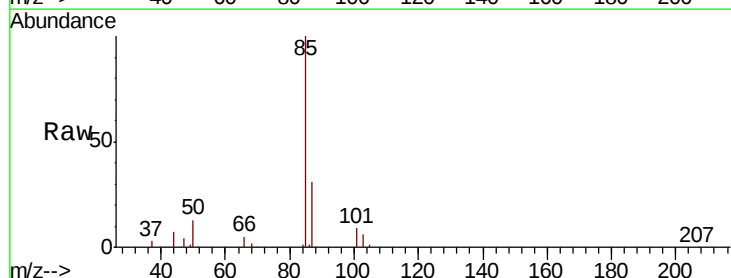
Acq: 21 Oct 2019 16:13

Tgt Ion: 85 Resp: 103266

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

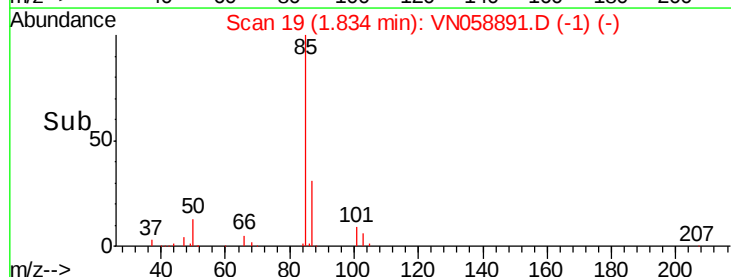
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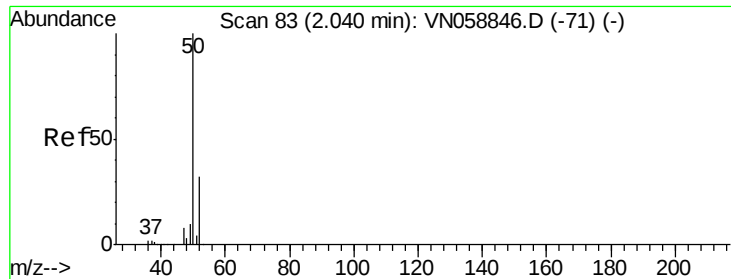
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.627 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

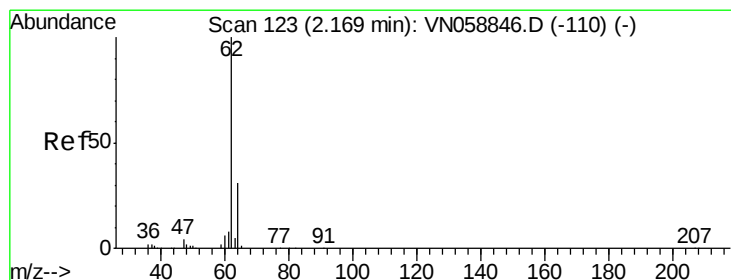
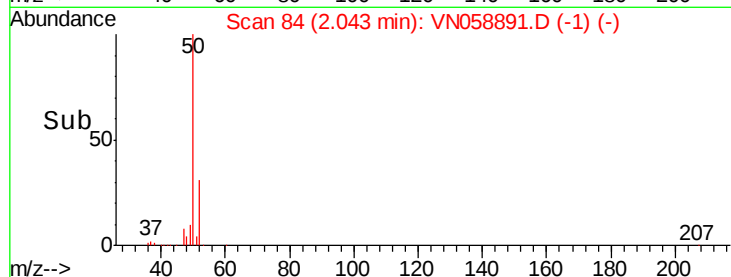
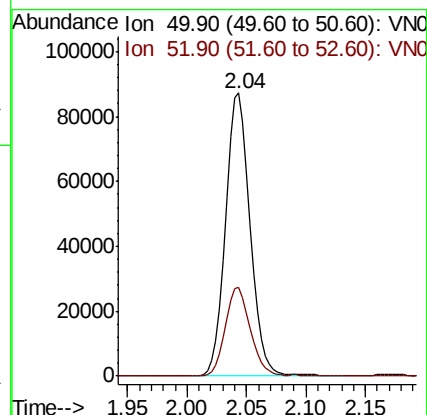
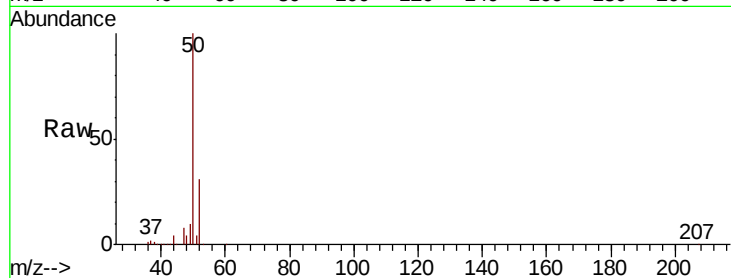
VN1021MBS01

Tot Ion: 50 Resp: 124931

Ion Ratio Lower Upper

50 100

52 31.4 25.7 38.5



#4

Vinyl Chloride

Concen: 19.966 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058891.D

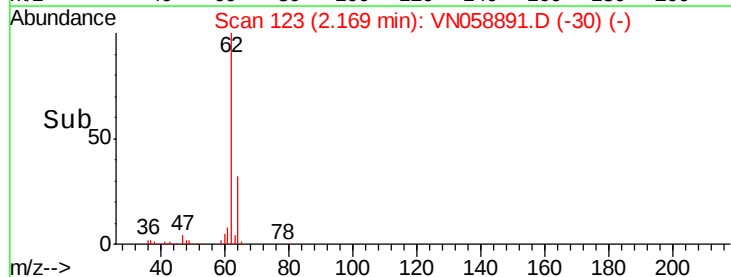
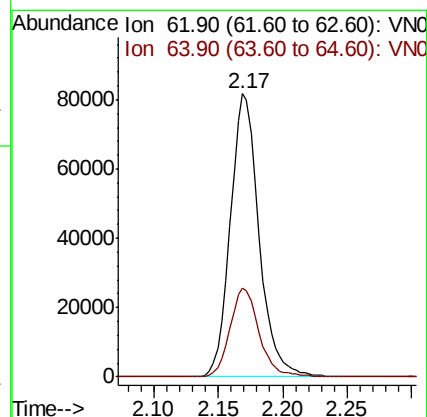
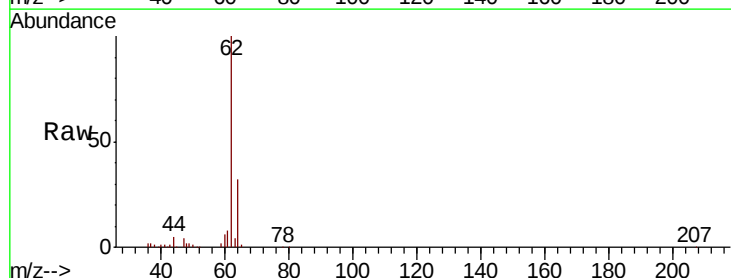
Acq: 21 Oct 2019 16:13

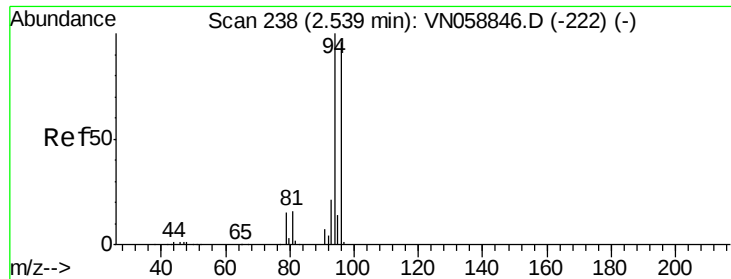
Tgt Ion: 62 Resp: 126188

Ion Ratio Lower Upper

62 100

64 31.6 24.6 36.8





#5

Bromomethane

Concen: 19.855 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

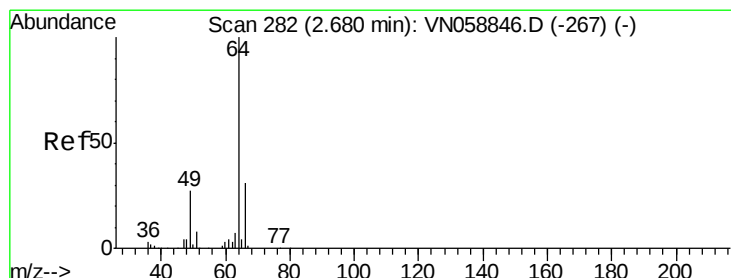
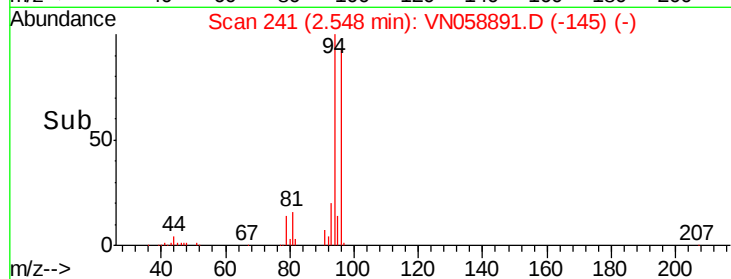
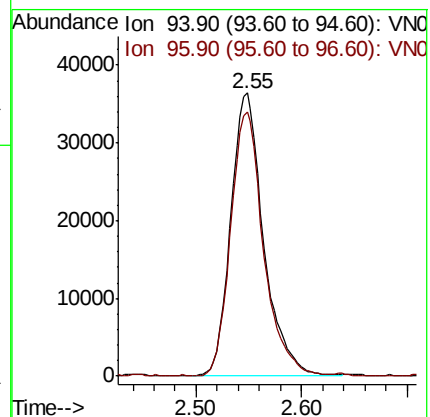
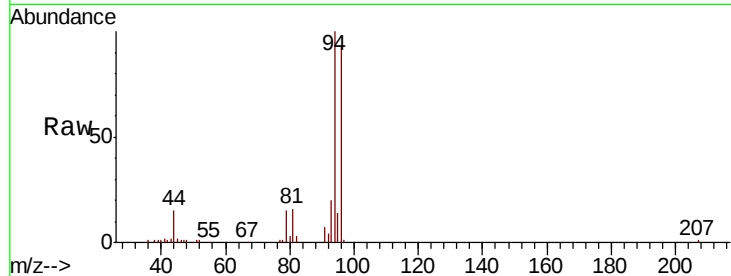
VN1021MBS01

Tot Ion: 94 Resp: 78583

Ion Ratio Lower Upper

94 100

96 93.4 77.0 115.6



#6

Chloroethane

Concen: 19.753 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058891.D

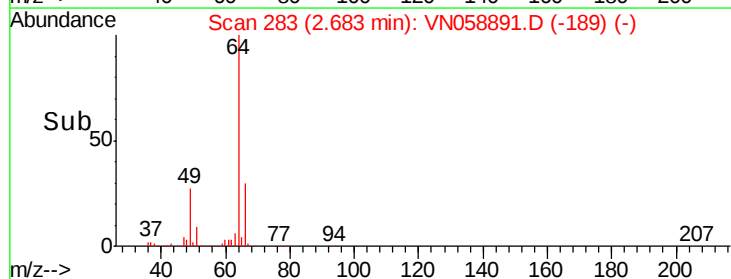
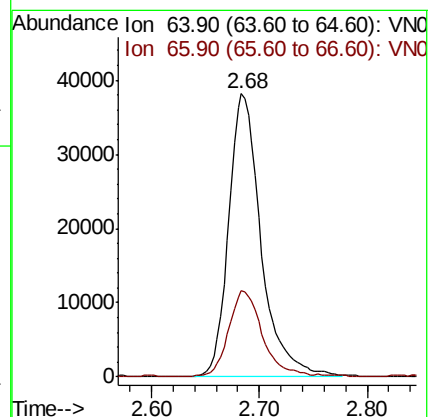
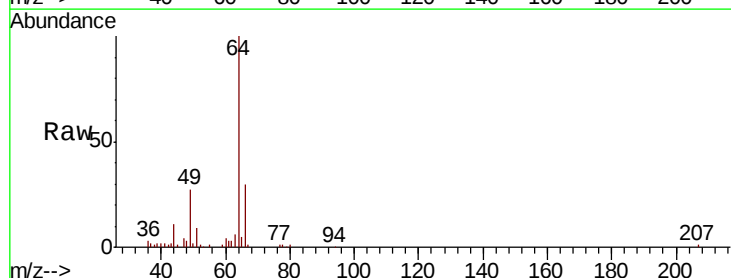
Acq: 21 Oct 2019 16:13

Tgt Ion: 64 Resp: 80059

Ion Ratio Lower Upper

64 100

66 30.3 25.0 37.4



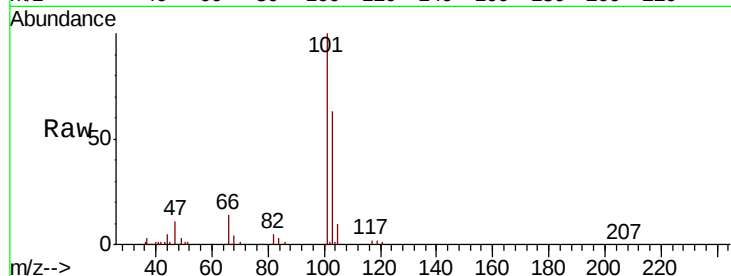


#7

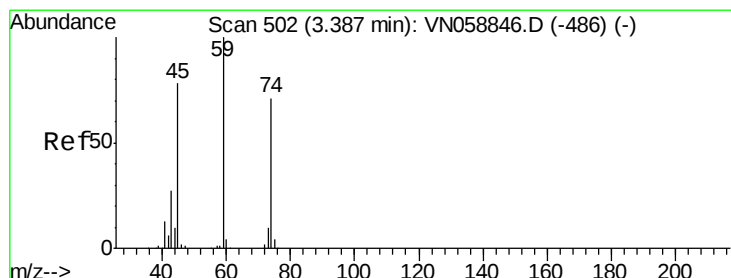
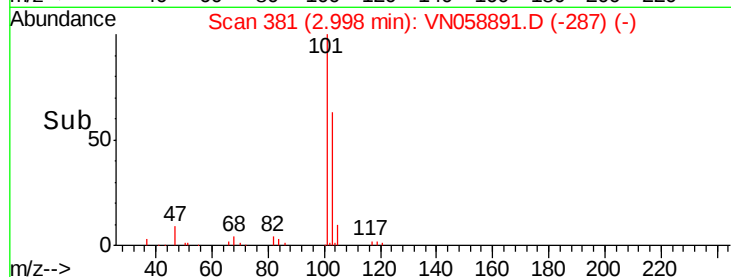
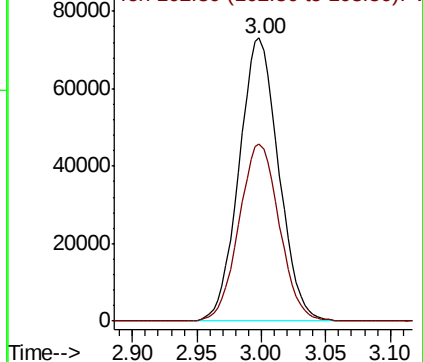
Trichlorofluoromethane  
 Concen: 19.986 ug/l  
 RT: 3.00 min Scan# 381  
 Delta R.T. 0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1021MBS01

Tot Ion:101 Resp: 156292  
 Ion Ratio Lower Upper  
 101 100  
 103 62.6 52.2 78.2



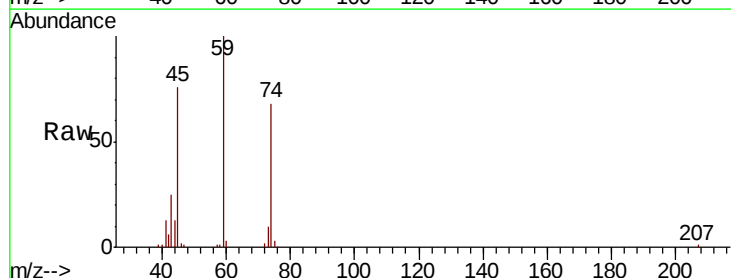
Abundance Ion 100.90 (100.60 to 101.60): V  
 Ion 102.80 (102.50 to 103.50): V



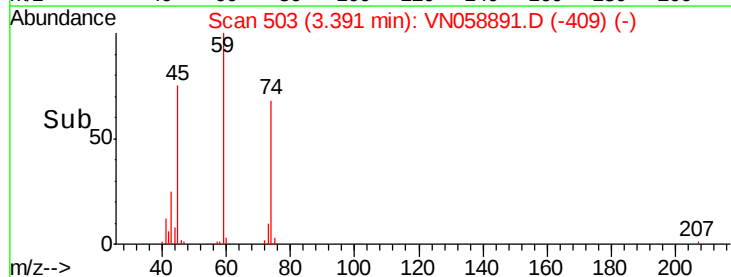
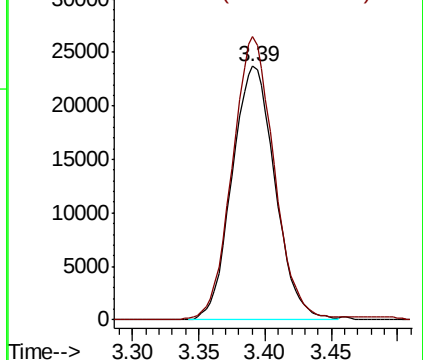
#8

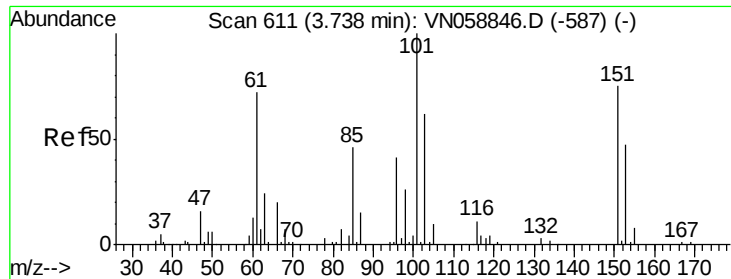
Diethyl Ether  
 Concen: 19.766 ug/l  
 RT: 3.39 min Scan# 503  
 Delta R.T. 0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

Tgt Ion: 74 Resp: 53415  
 Ion Ratio Lower Upper  
 74 100  
 45 108.7 54.9 164.5



Abundance Ion 74.00 (73.70 to 74.70): VNO  
 Ion 45.00 (44.70 to 45.70): VNO

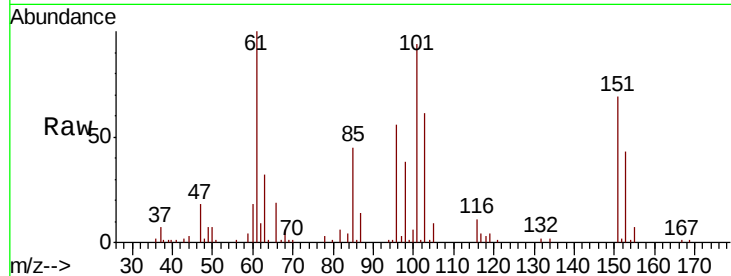




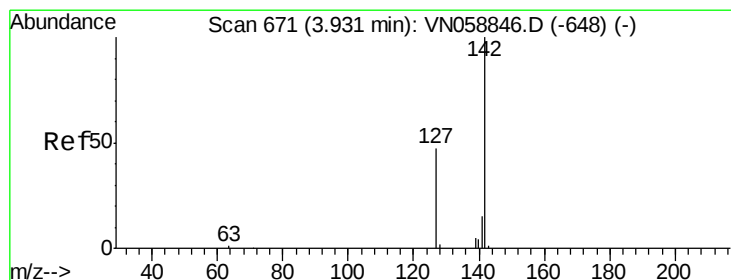
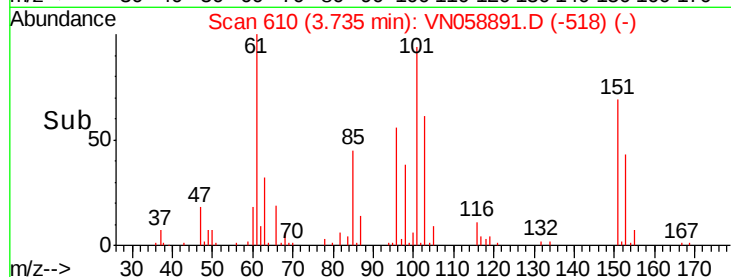
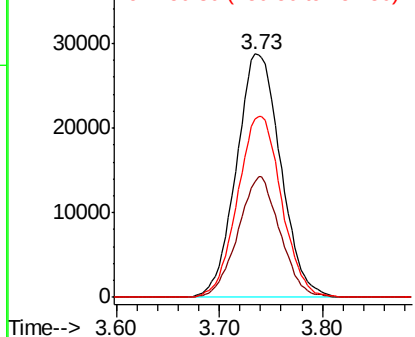
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 19.775 ug/l  
 RT: 3.73 min Scan# 610  
 Delta R.T. -0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1021MBS01

Tot Ion:101 Resp: 85730  
 Ion Ratio Lower Upper  
 101 100  
 85 47.2 37.2 55.8  
 151 73.8 59.9 89.9

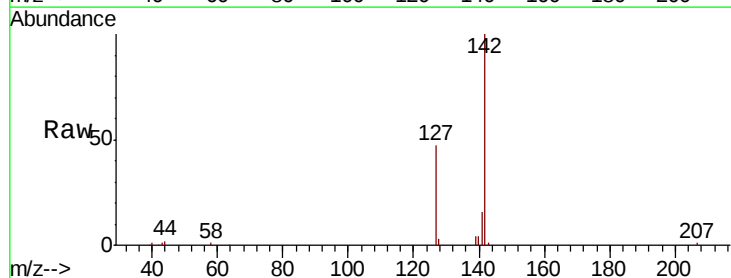


Abundance Ion 100.90 (100.60 to 101.60): V  
 Ion 84.90 (84.60 to 85.60): V  
 Ion 150.80 (150.50 to 151.50): V

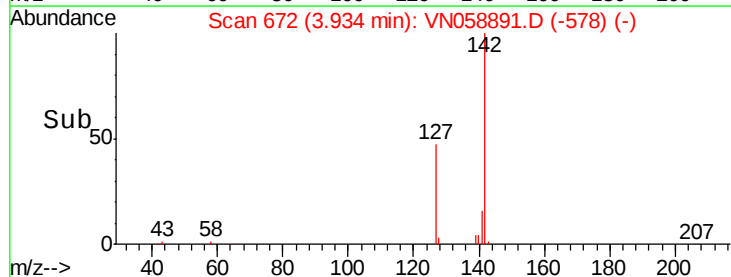
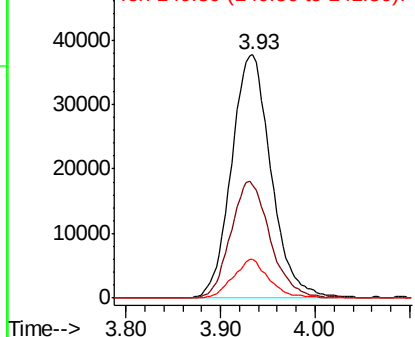


#10  
 Methyl Iodide  
 Concen: 19.231 ug/l  
 RT: 3.93 min Scan# 672  
 Delta R.T. 0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

Tgt Ion:142 Resp: 109653  
 Ion Ratio Lower Upper  
 142 100  
 127 47.6 36.6 54.8  
 141 14.5 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: 99.946 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

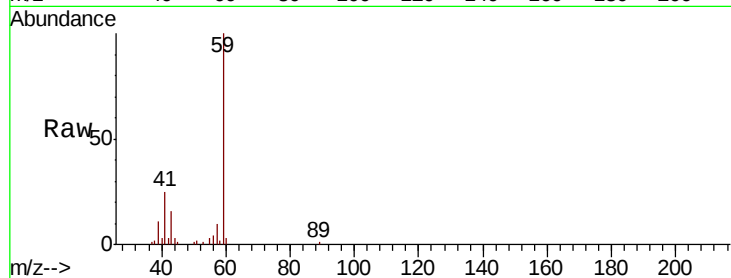
VN1021MBS01

Tot Ion: 59 Resp: 100274

Ion Ratio Lower Upper

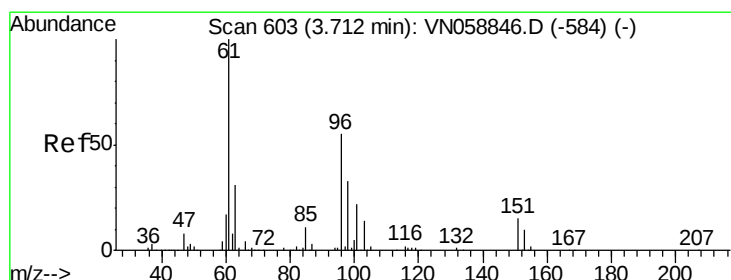
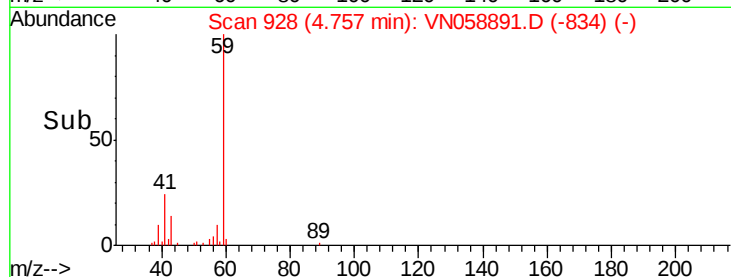
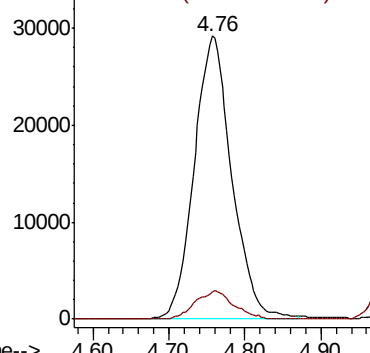
59 100

57 10.2 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 20.415 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

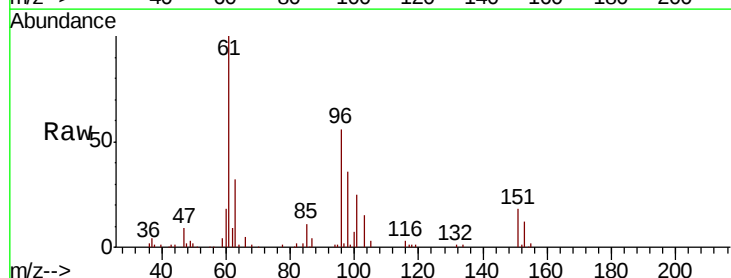
Tgt Ion: 96 Resp: 82962

Ion Ratio Lower Upper

96 100

61 177.2 146.2 219.2

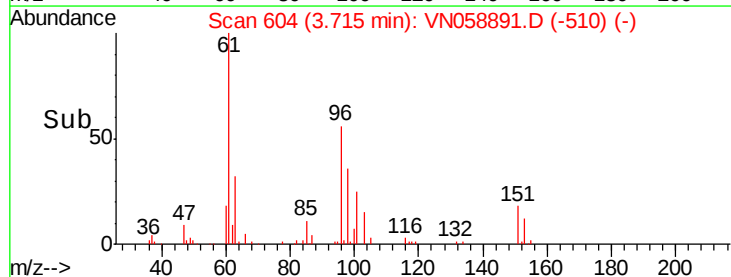
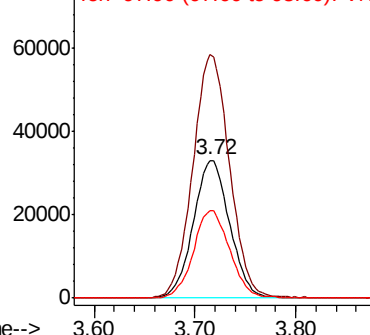
98 63.8 48.7 73.1

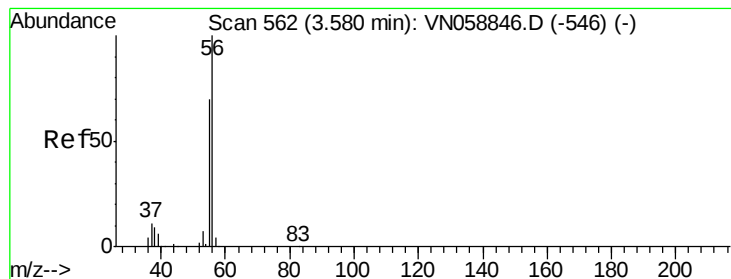


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 79.808 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

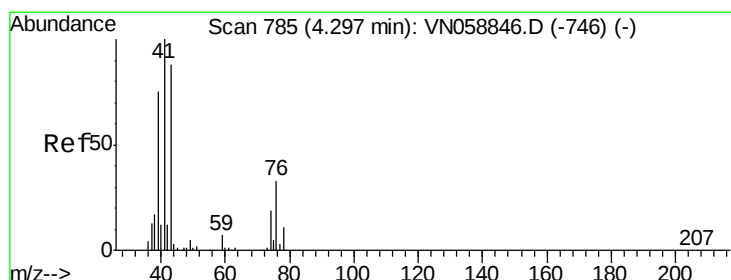
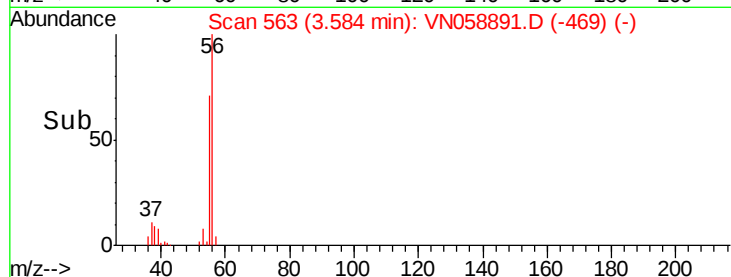
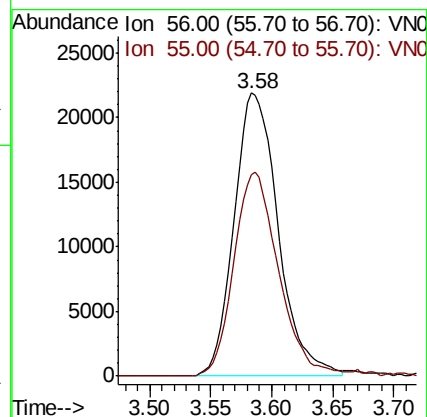
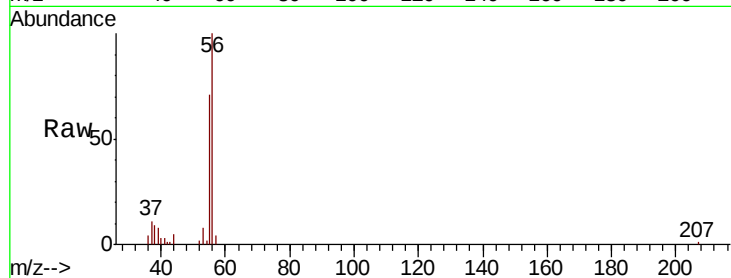
VN1021MBS01

Tot Ion: 56 Resp: 55016

Ion Ratio Lower Upper

56 100

55 73.0 56.6 85.0



#14

Allyl chloride

Concen: 18.208 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

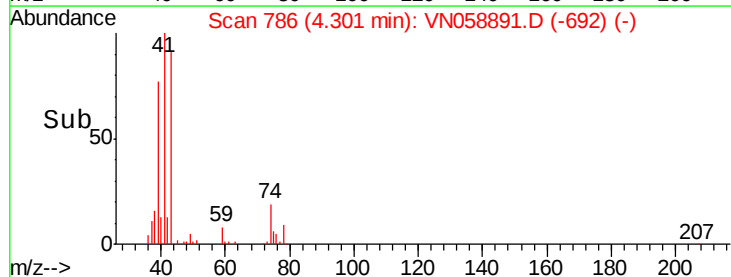
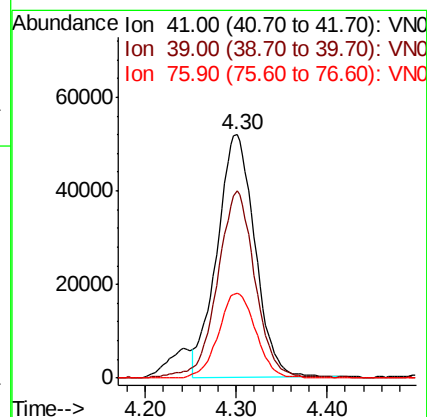
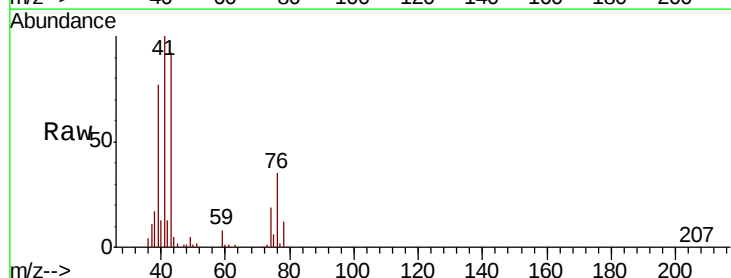
Tgt Ion: 41 Resp: 149725

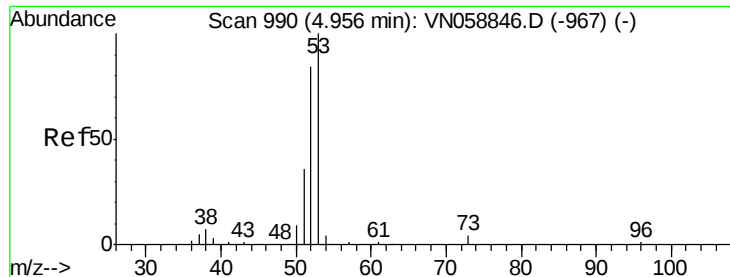
Ion Ratio Lower Upper

41 100

39 77.0 55.9 83.9

76 34.4 24.1 36.1





#15

Acrylonitrile

Concen: 98.278 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

VN1021MBS01

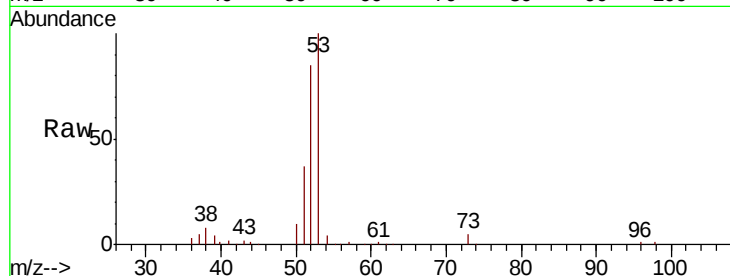
Tot Ion: 53 Resp: 248020

Ion Ratio Lower Upper

53 100

52 82.9 66.6 99.8

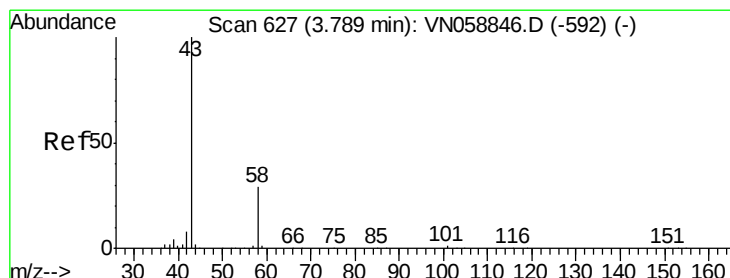
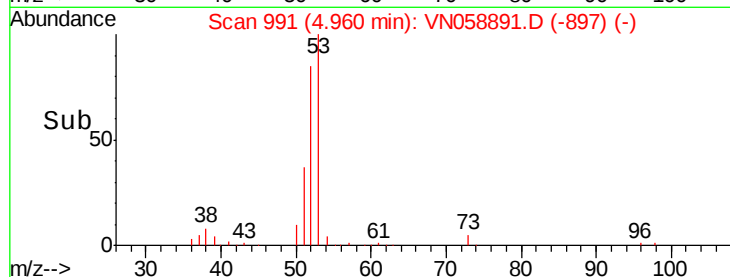
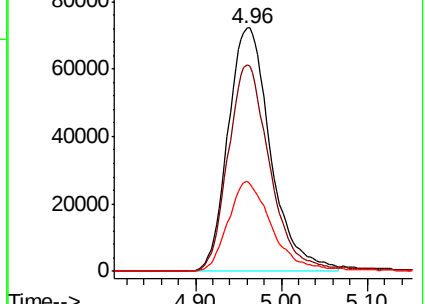
51 37.9 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN058891.D (-534) (-)

Ion 52.00 (51.70 to 52.70): VN058891.D (-534) (-)

Ion 51.00 (50.70 to 51.70): VN058891.D (-534) (-)



#16

Acetone

Concen: 81.355 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058891.D

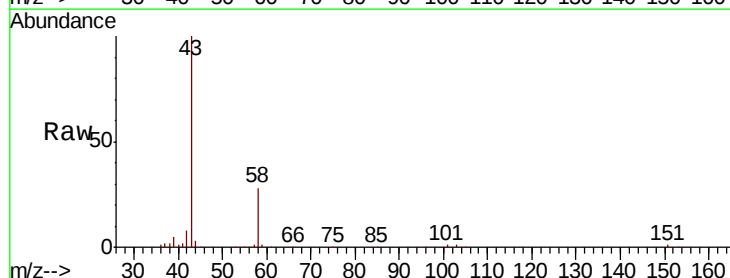
Acq: 21 Oct 2019 16:13

Tgt Ion: 43 Resp: 243047

Ion Ratio Lower Upper

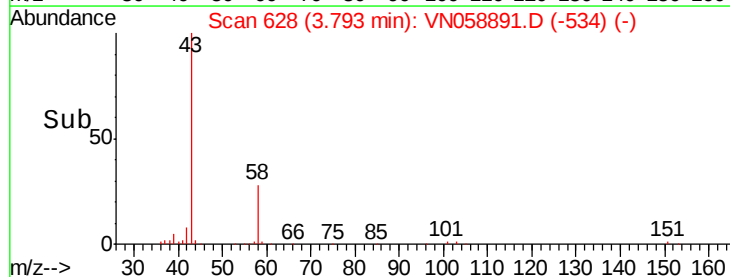
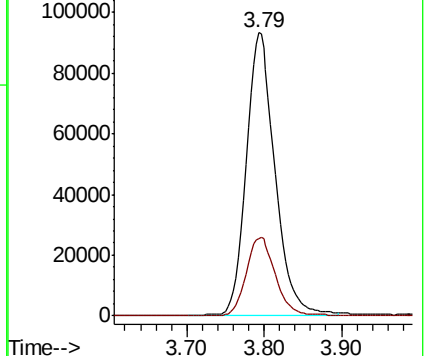
43 100

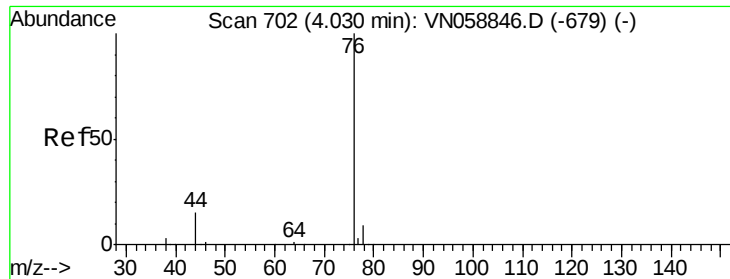
58 27.5 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058891.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN058891.D (-534) (-)

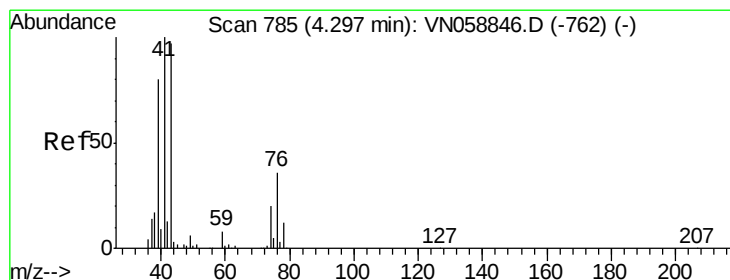
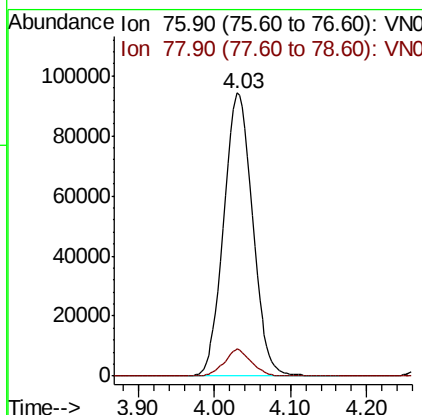
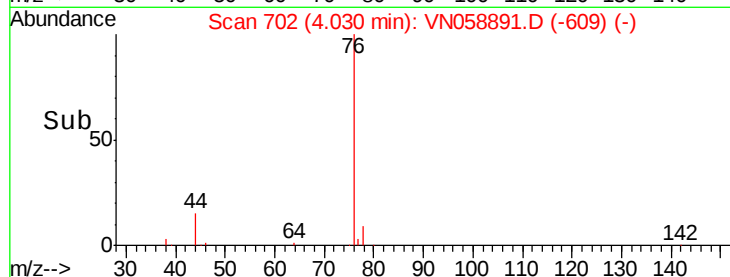
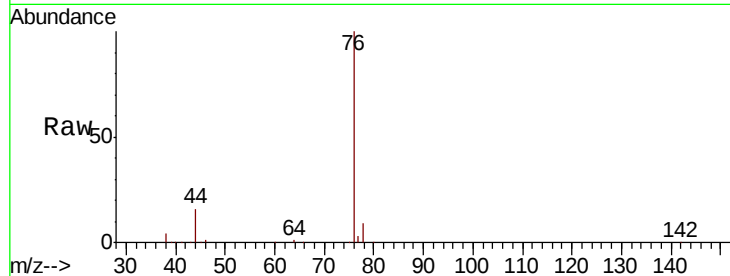




#17  
Carbon Disulfide  
Concen: 19.158 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

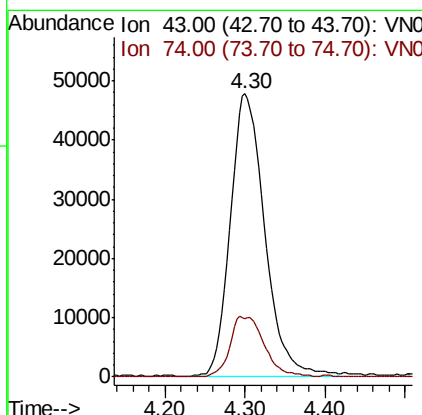
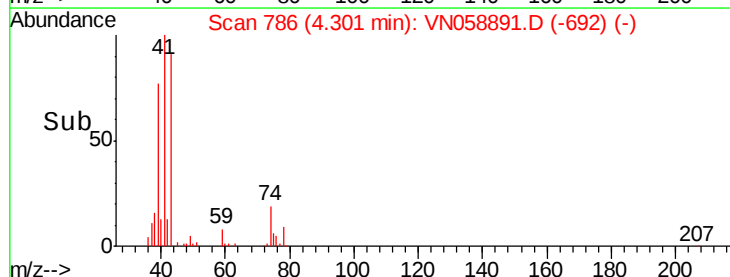
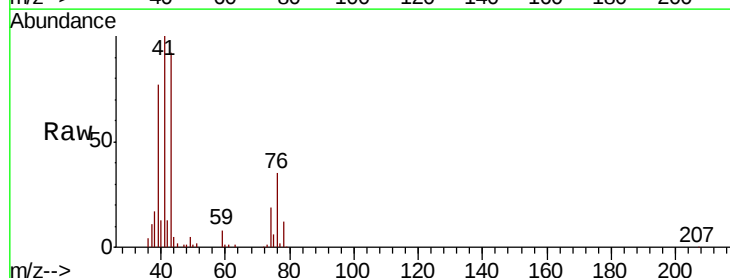
Instrument :  
MSVOA\_N  
ClientSampled :  
VN1021MBS01

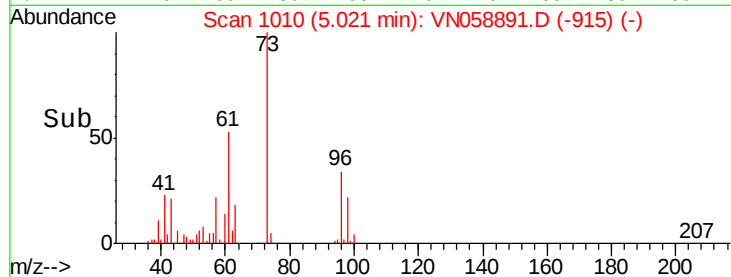
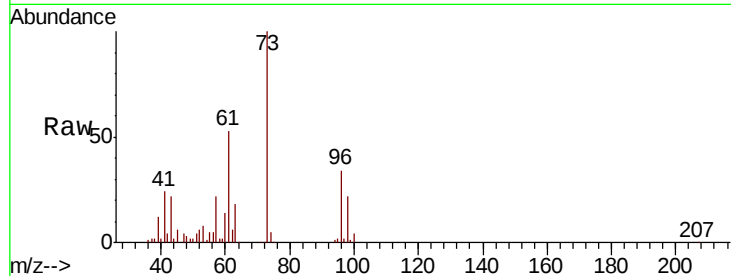
Tot Ion: 76 Resp: 250789  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.1 10.7



#18  
Methyl Acetate  
Concen: 20.664 ug/l  
RT: 4.30 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Tgt Ion: 43 Resp: 140353  
Ion Ratio Lower Upper  
43 100  
74 21.1 17.1 25.7



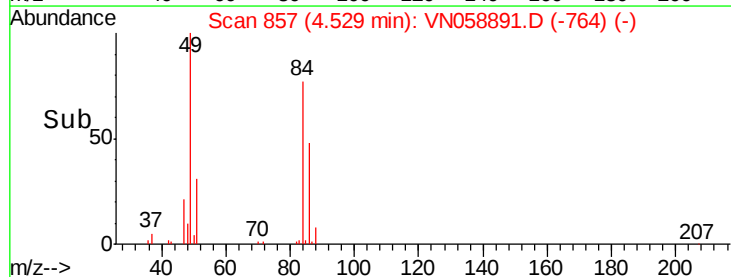
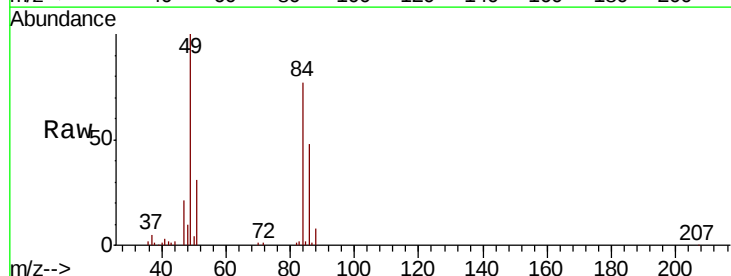
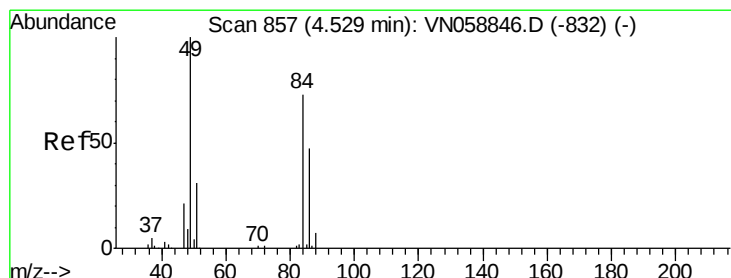
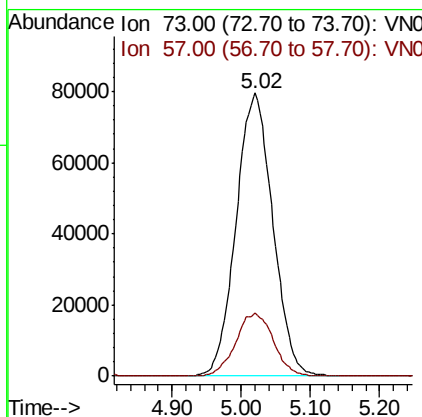


#19

Methyl tert-butyl Ether  
Concen: 20.611 ug/l  
RT: 5.02 min Scan# 1010  
Delta R.T. 0.01 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1021MBS01

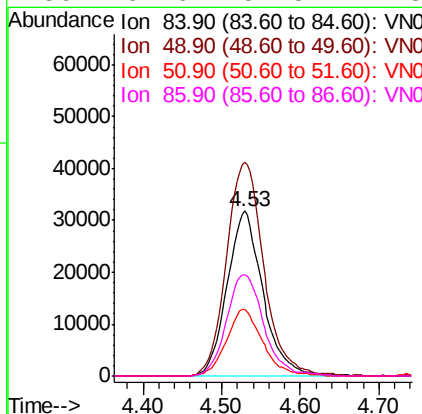
Tot Ion: 73 Resp: 293274  
Ion Ratio Lower Upper  
73 100  
57 22.3 17.9 26.9



#20

Methylene Chloride  
Concen: 19.653 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Tgt Ion: 84 Resp: 100256  
Ion Ratio Lower Upper  
84 100  
49 129.6 109.6 164.4  
51 40.5 33.8 50.6  
86 61.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.682 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

VN1021MBS01

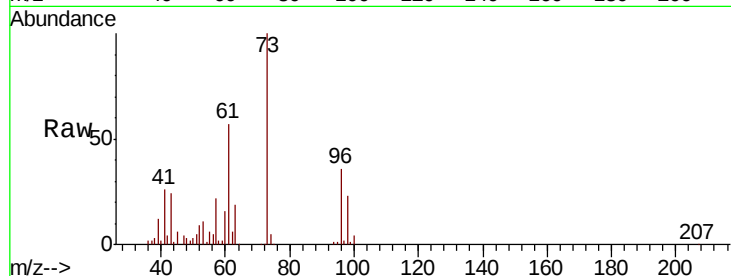
Tot Ion: 96 Resp: 88329

Ion Ratio Lower Upper

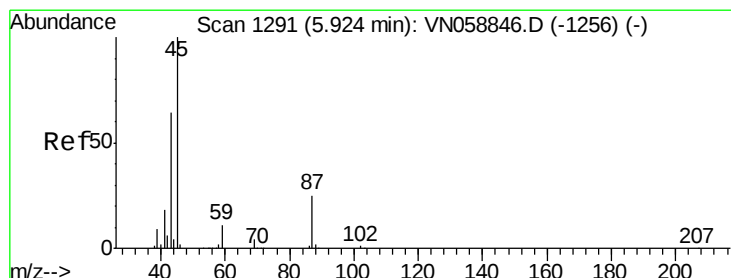
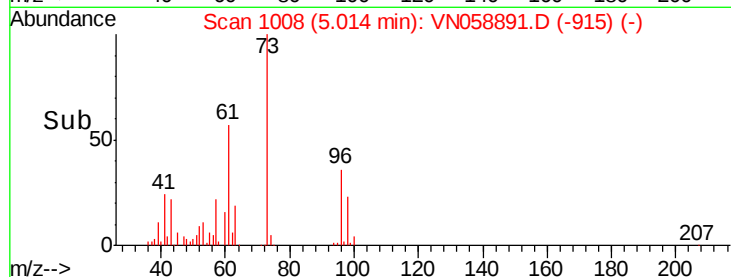
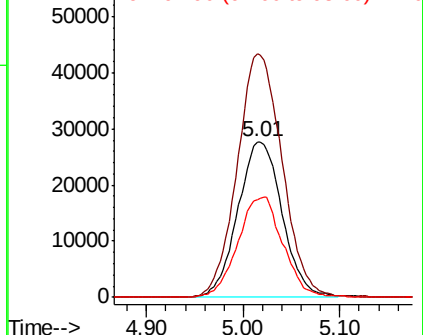
96 100

61 156.4 126.7 190.1

98 62.6 52.0 78.0



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



#22

Diisopropyl ether

Concen: 20.604 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Tgt Ion: 45 Resp: 331388

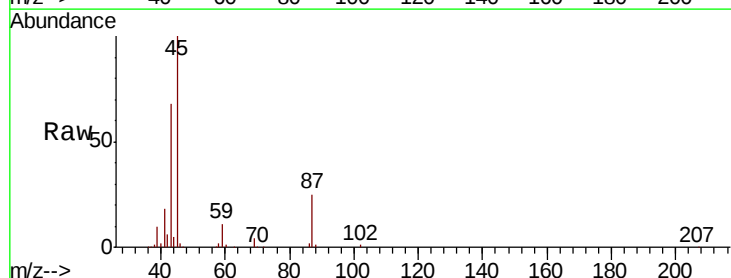
Ion Ratio Lower Upper

45 100

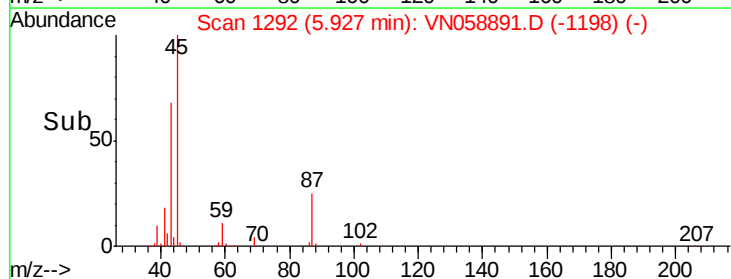
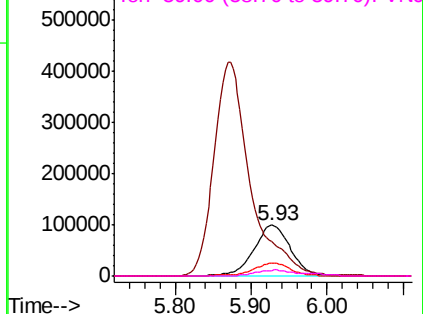
43 65.6 52.9 79.3

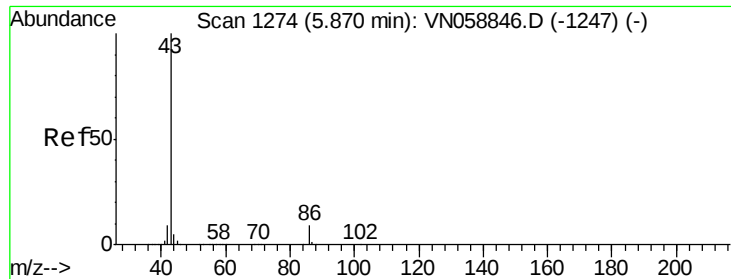
87 24.6 20.2 30.4

59 11.0 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VNC  
Ion 43.00 (42.70 to 43.70): VNC  
Ion 87.00 (86.70 to 87.70): VNC  
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 107.386 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

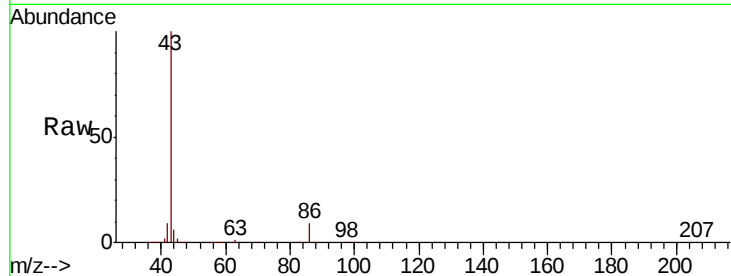
VN1021MBS01

Tot Ion: 43 Resp: 1387674

Ion Ratio Lower Upper

43 100

86 9.1 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN058891.D (-1181) (-)

Ion 86.00 (85.70 to 86.70): VN058891.D (-1181) (-)

5.87

400000

300000

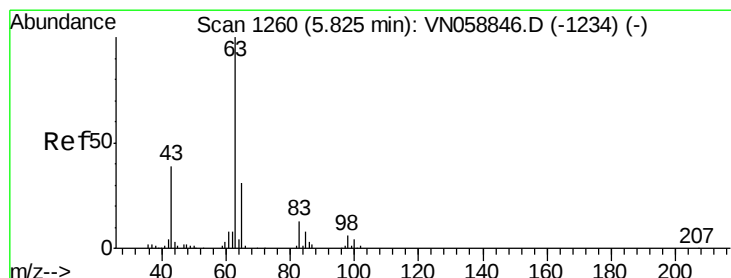
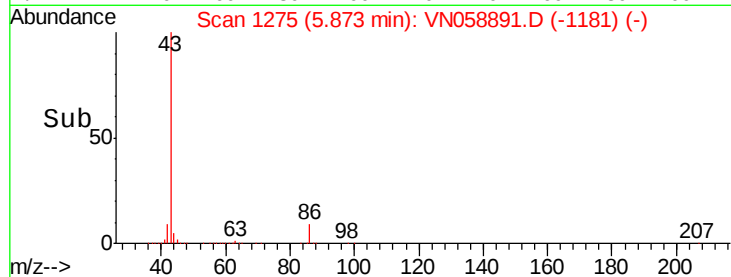
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.933 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

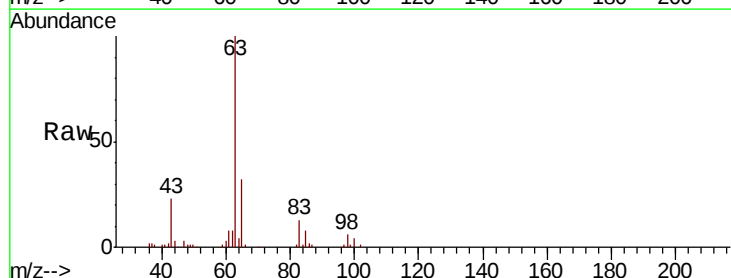
Tgt Ion: 63 Resp: 185902

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.8 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN058891.D (-1167) (-)

Ion 97.90 (97.60 to 98.60): VN058891.D (-1167) (-)

Ion 99.90 (99.60 to 100.60): VN058891.D (-1167) (-)

80000

60000

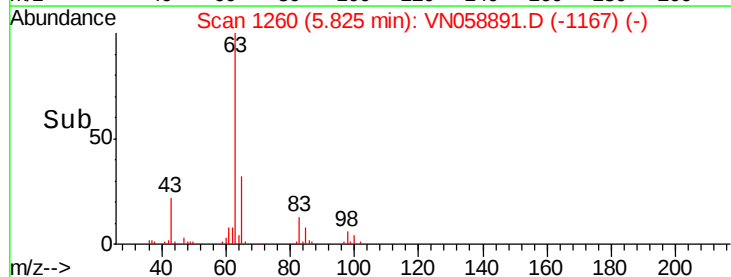
40000

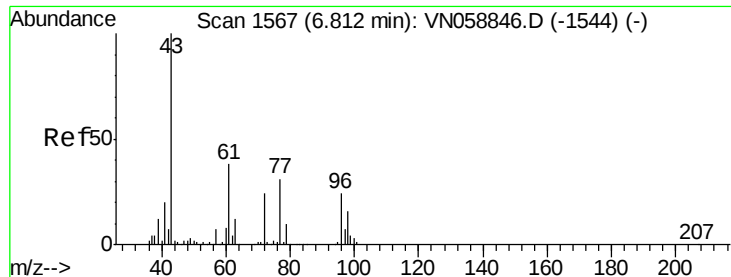
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 92.475 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampled :

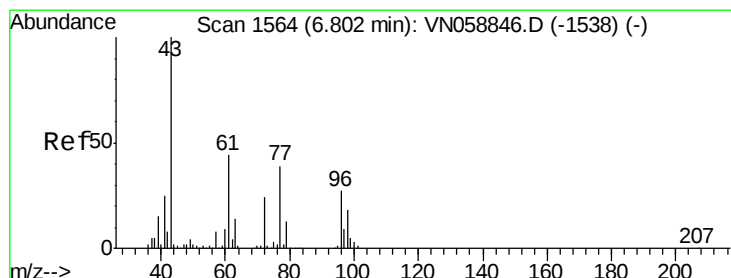
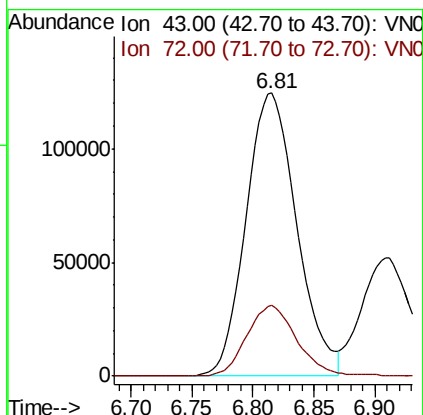
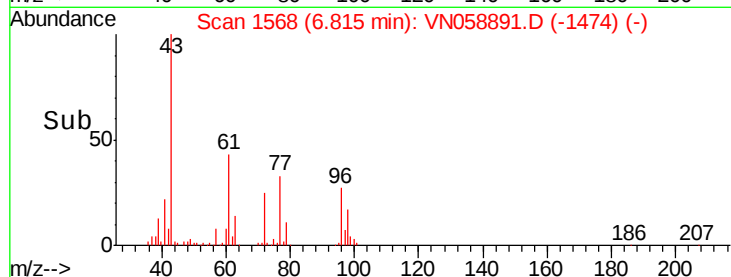
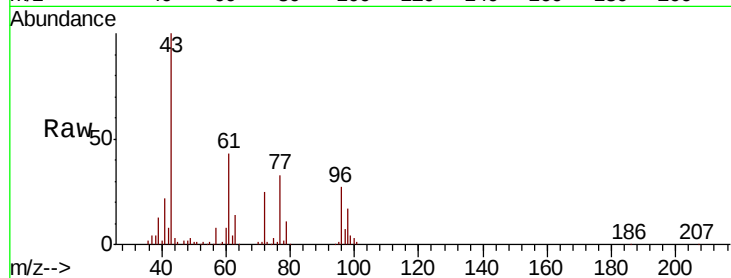
VN1021MBS01

Tot Ion: 43 Resp: 358625

Ion Ratio Lower Upper

43 100

72 24.9 19.1 28.7



#26

2,2-Dichloropropane

Concen: 18.572 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058891.D

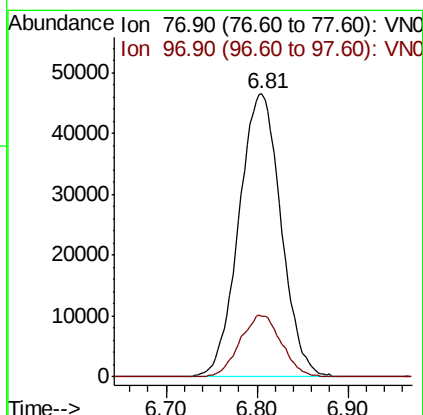
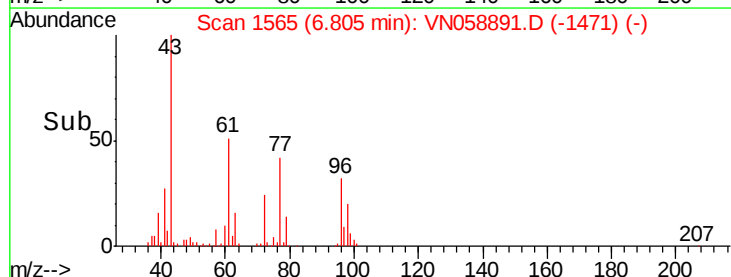
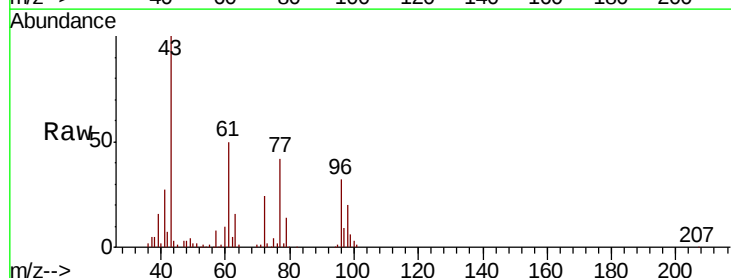
Acq: 21 Oct 2019 16:13

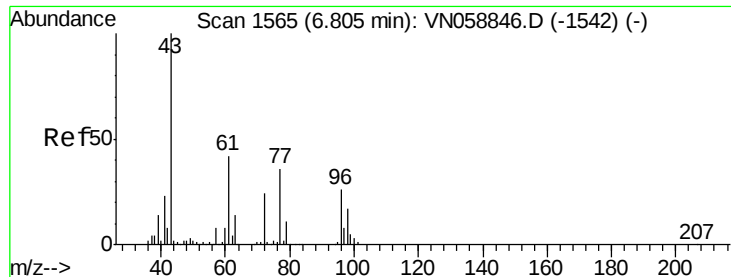
Tgt Ion: 77 Resp: 149815

Ion Ratio Lower Upper

77 100

97 21.4 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.546 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

VN1021MBS01

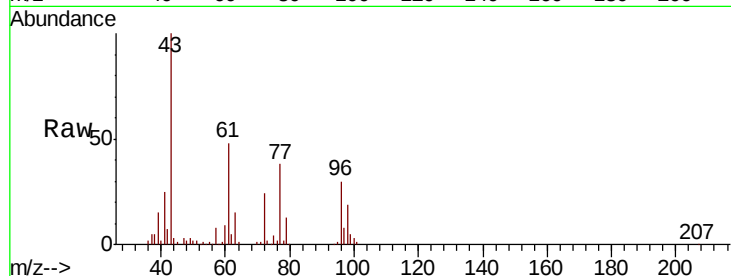
Tot Ion: 96 Resp: 105333

Ion Ratio Lower Upper

96 100

61 160.2 0.0 325.0

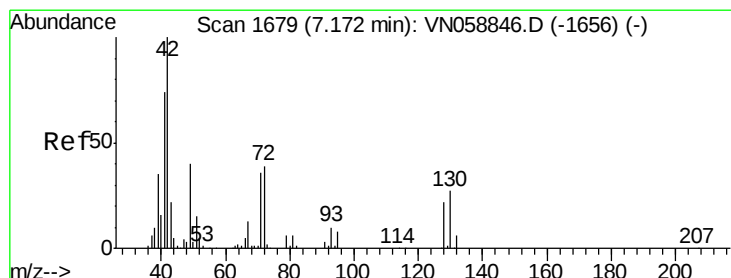
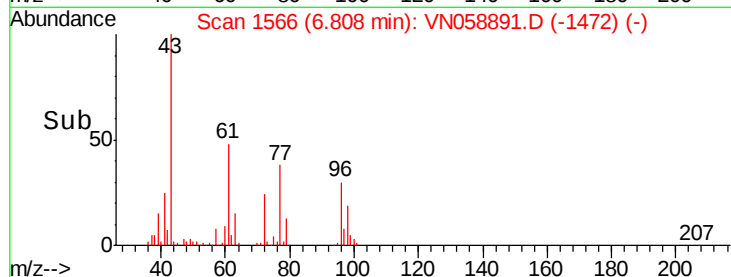
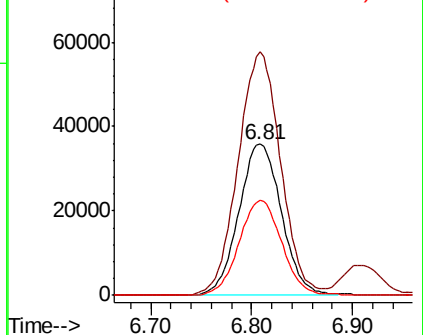
98 62.5 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN058891.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058891.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058891.D (-1542) (-)



#28

Bromochloromethane

Concen: 19.330 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

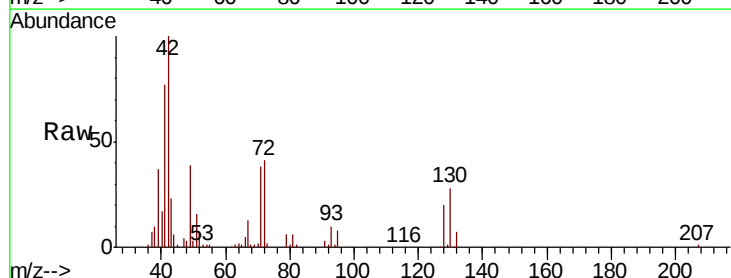
Tgt Ion: 49 Resp: 60040

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.2

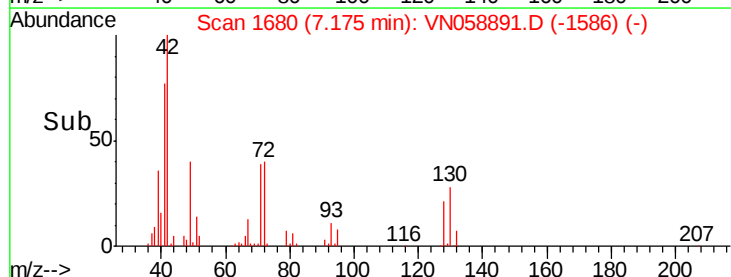
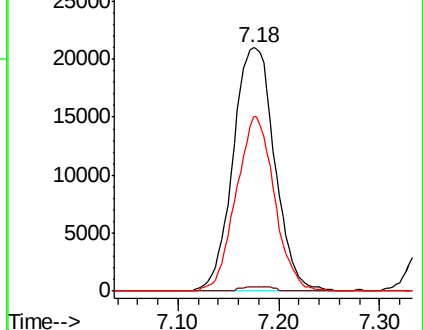
130 66.0 53.5 80.3

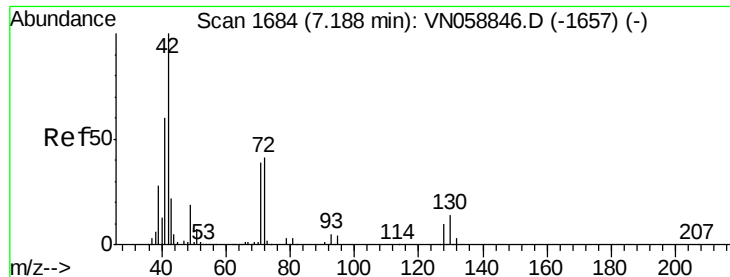


Abundance Ion 48.90 (48.60 to 49.60): VN058891.D (-1586) (-)

Ion 128.80 (128.50 to 129.50): VN058891.D (-1586) (-)

Ion 129.80 (129.50 to 130.50): VN058891.D (-1586) (-)





#29

Tetrahydrofuran

Concen: 99.546 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampled :

VN1021MBS01

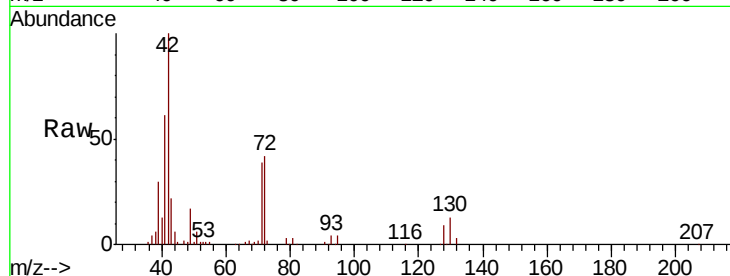
Tot Ion: 42 Resp: 236158

Ion Ratio Lower Upper

42 100

72 41.5 32.2 48.2

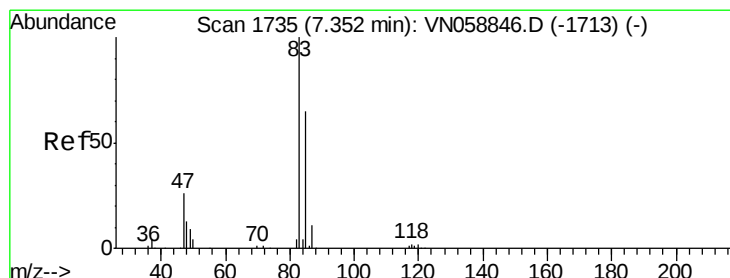
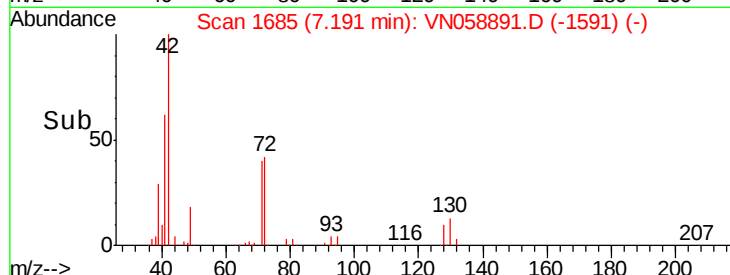
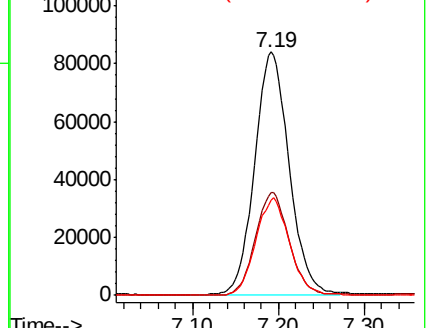
71 39.0 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.462 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN058891.D

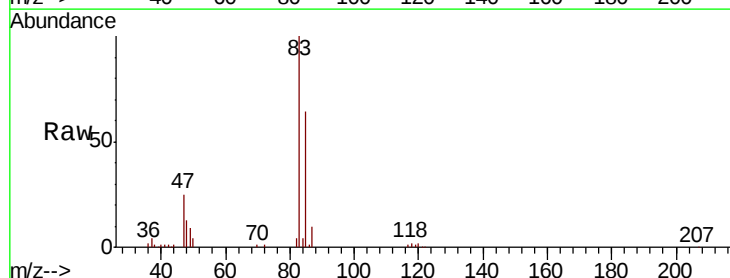
Acq: 21 Oct 2019 16:13

Tgt Ion: 83 Resp: 182070

Ion Ratio Lower Upper

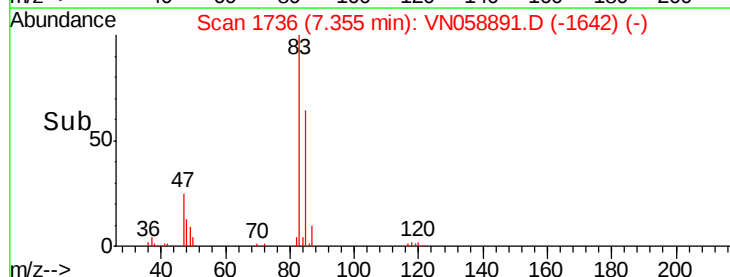
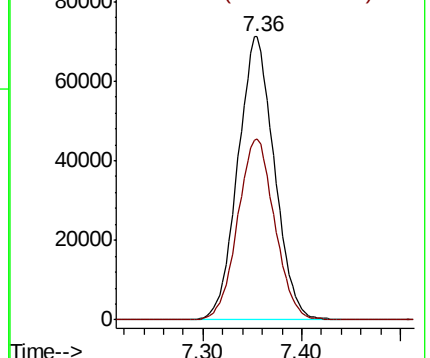
83 100

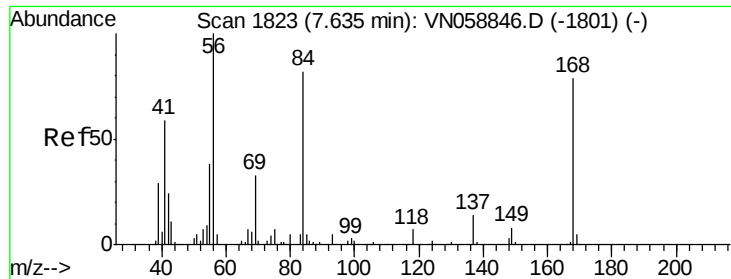
85 64.1 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

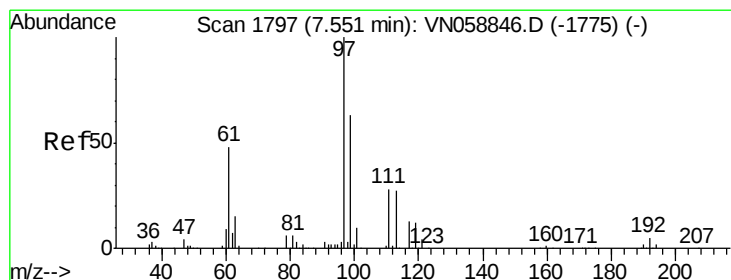
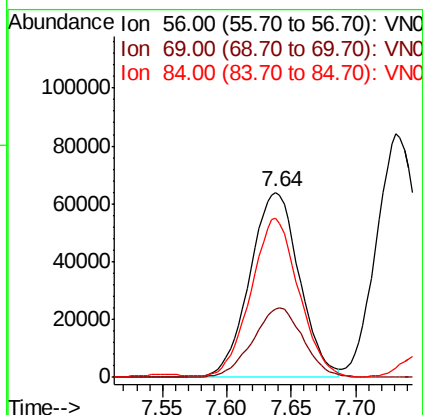
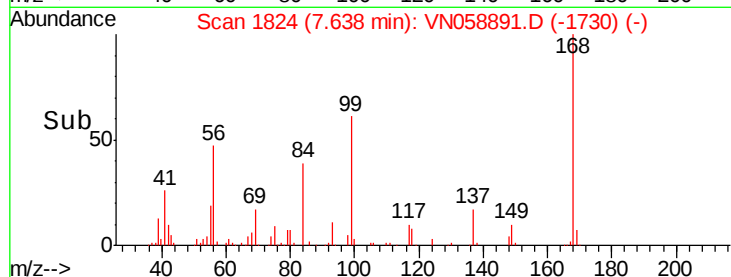
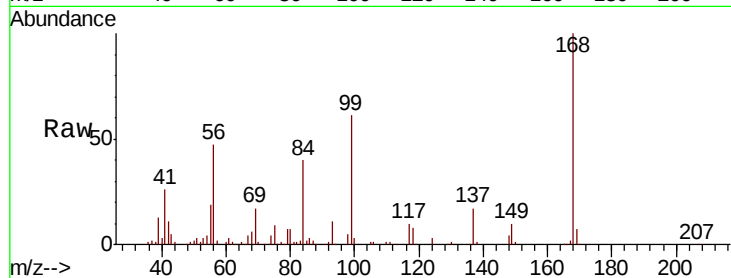




#31  
Cyclohexane  
Concen: 19.664 ug/l  
RT: 7.64 min Scan# 1824  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

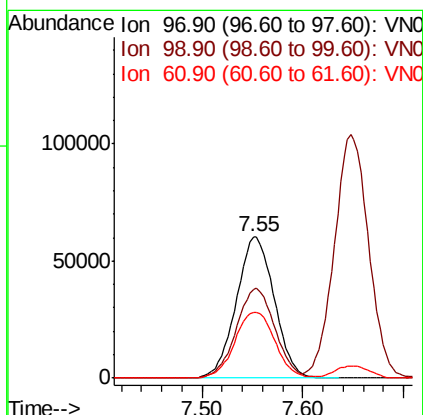
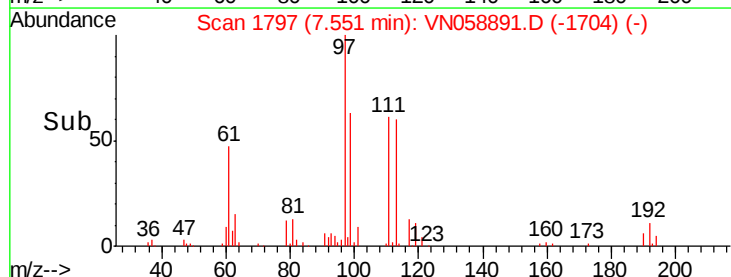
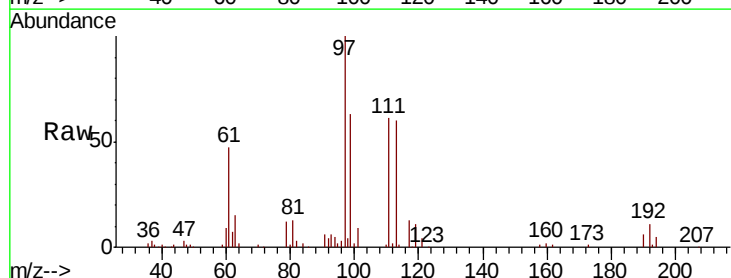
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1021MBS01

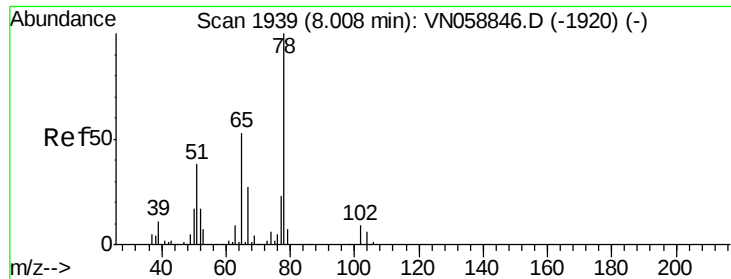
Tot Ion: 56 Resp: 170848  
Ion Ratio Lower Upper  
56 100  
69 36.8 26.2 39.4  
84 85.5 65.6 98.4



#32  
1,1,1-Trichloroethane  
Concen: 20.039 ug/l  
RT: 7.55 min Scan# 1797  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Tgt Ion: 97 Resp: 158012  
Ion Ratio Lower Upper  
97 100  
99 64.2 51.0 76.4  
61 48.9 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 49.075 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampled :

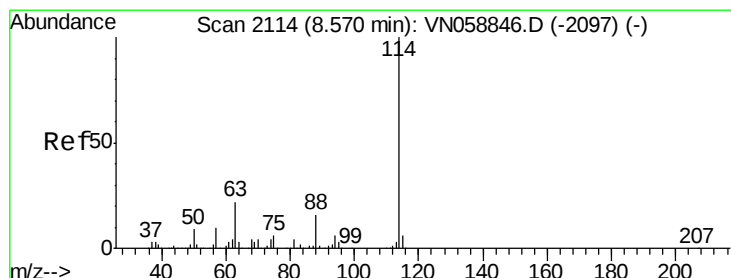
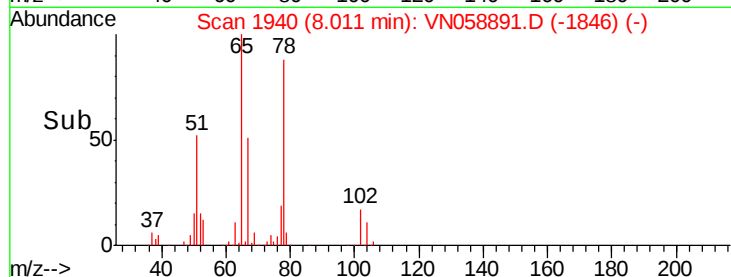
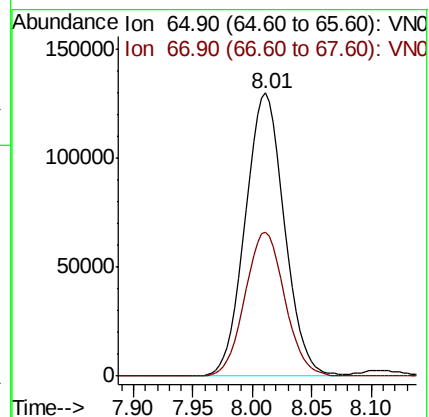
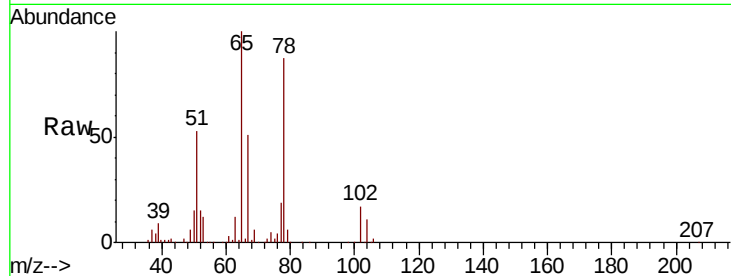
VN1021MBS01

Tot Ion: 65 Resp: 296696

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

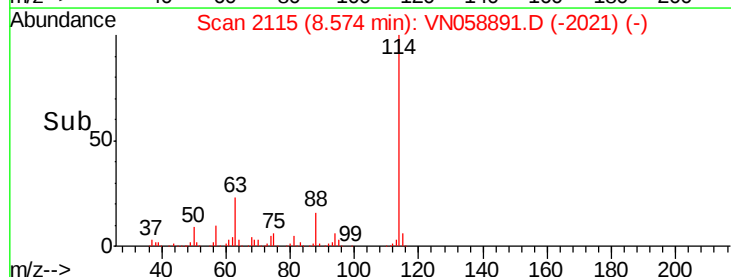
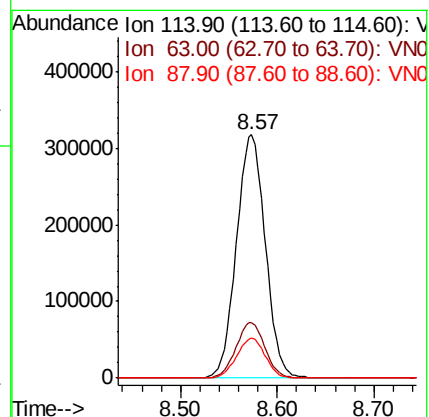
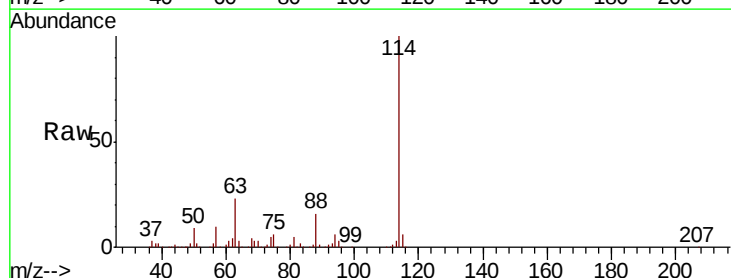
Tgt Ion: 114 Resp: 660010

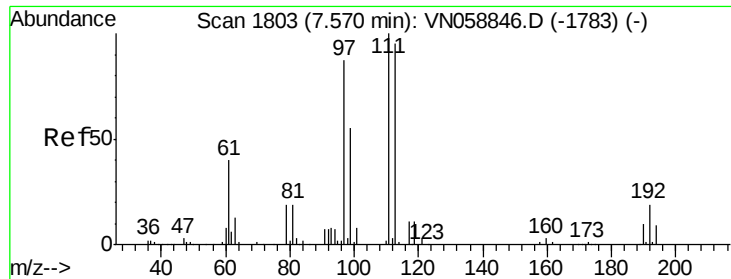
Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.4

88 16.4 0.0 31.4

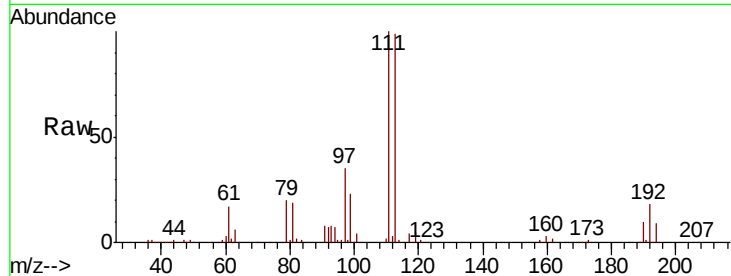




#35  
 Dibromofluoromethane  
 Concen: 49.284 ug/l  
 RT: 7.57 min Scan# 1804  
 Delta R.T. 0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1021MBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.7 | 82.0  | 123.0 |
| 192     | 18.5  | 15.0  | 22.6  |

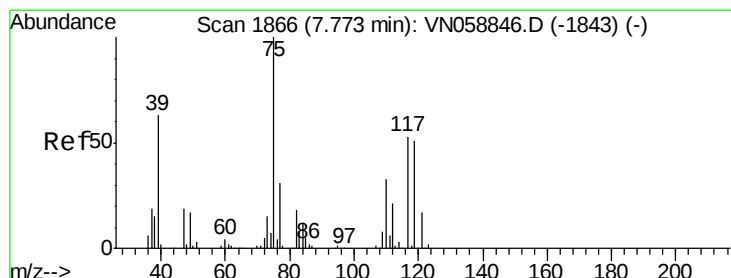
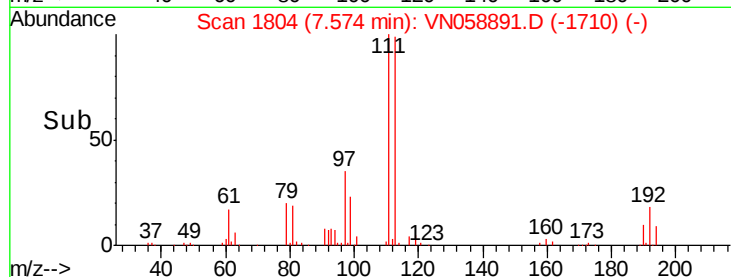
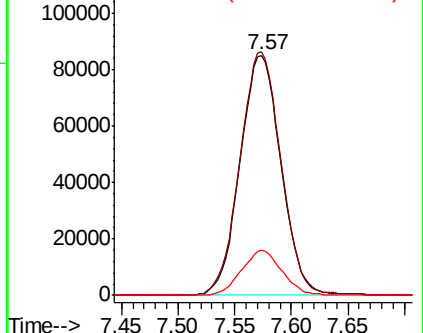


Abundance

Ion 112.80 (112.50 to 113.50): V

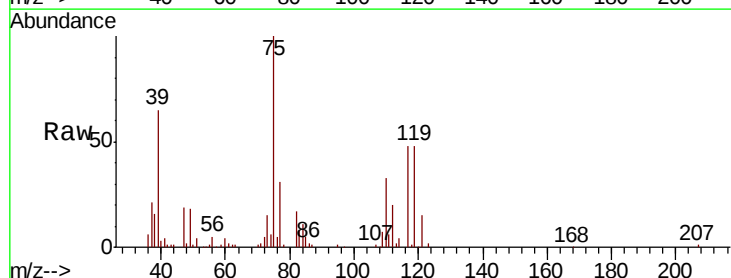
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36  
 1,1-Dichloropropene  
 Concen: 19.779 ug/l  
 RT: 7.78 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 33.7  | 16.3  | 48.9  |
| 77      | 31.8  | 24.6  | 36.8  |

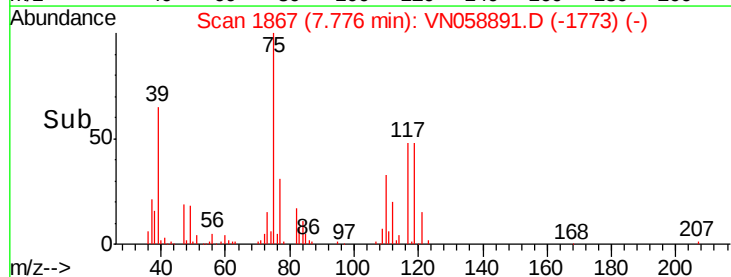
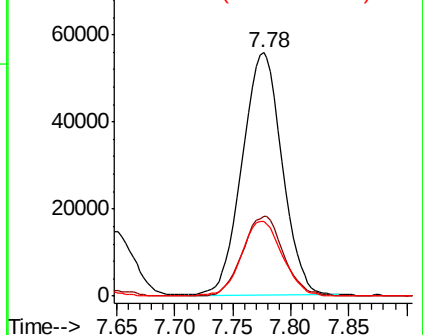


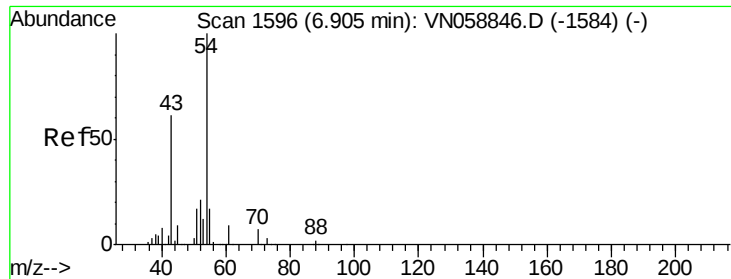
Abundance

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

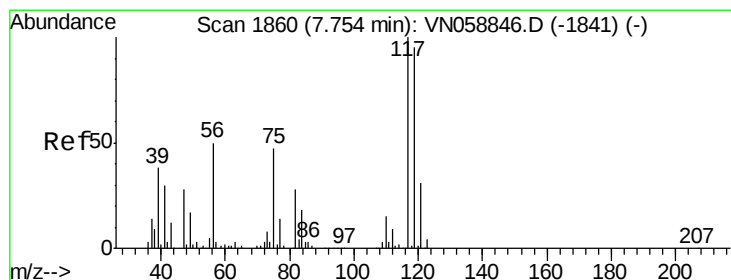
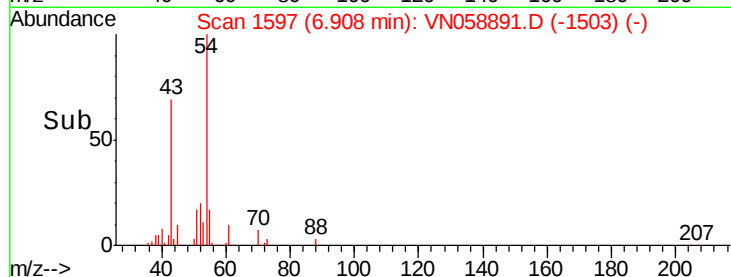
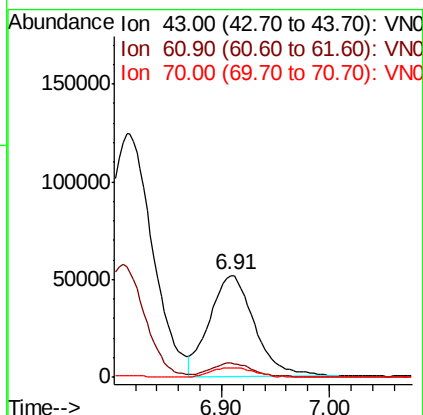
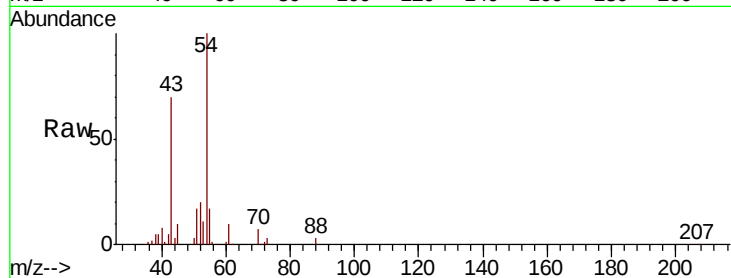




#37  
Ethyl Acetate  
Concen: 20.164 ug/l  
RT: 6.91 min Scan# 1597  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

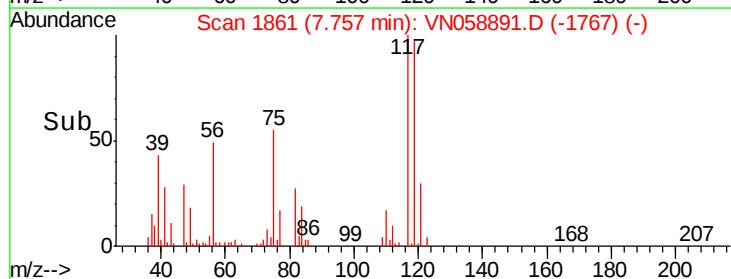
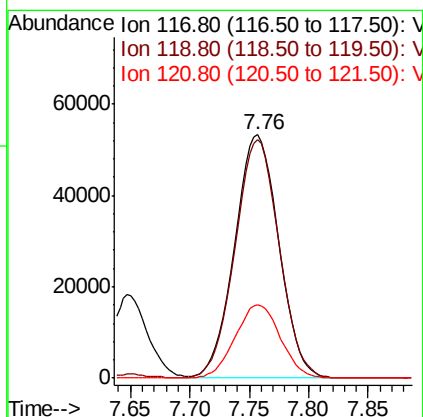
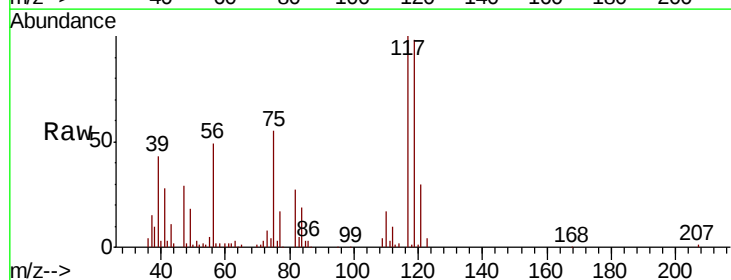
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1021MBS01

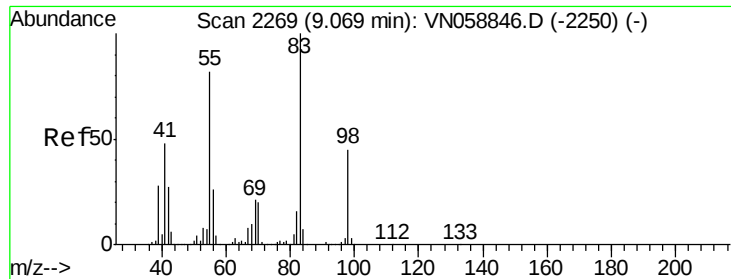
Tot Ion: 43 Resp: 148462  
Ion Ratio Lower Upper  
43 100  
61 13.8 10.5 15.7  
70 9.9 7.6 11.4



#38  
Carbon Tetrachloride  
Concen: 19.715 ug/l  
RT: 7.76 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Tgt Ion: 117 Resp: 137240  
Ion Ratio Lower Upper  
117 100  
119 97.8 75.7 113.5  
121 29.9 25.0 37.6

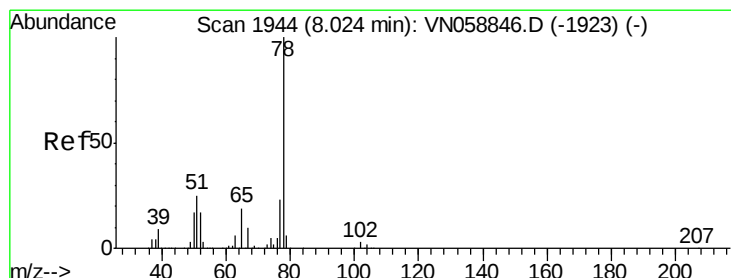
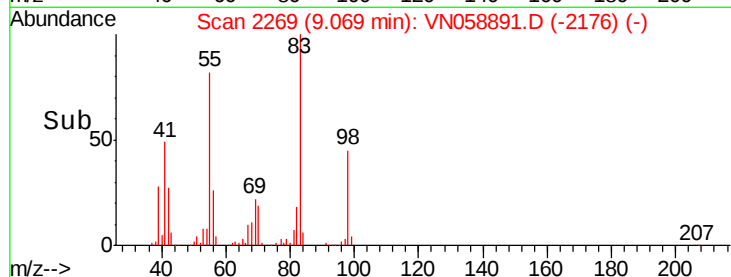
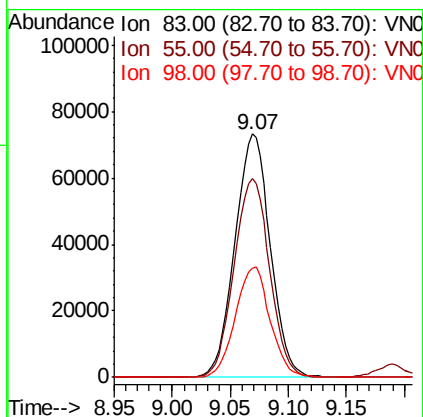
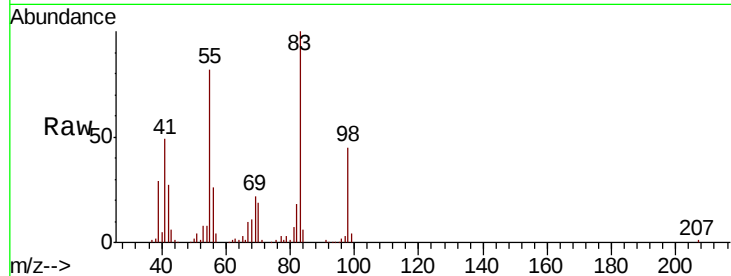




#39  
Methvlcvclohexane  
Concen: 20.413 ug/l  
RT: 9.07 min Scan# 2269  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

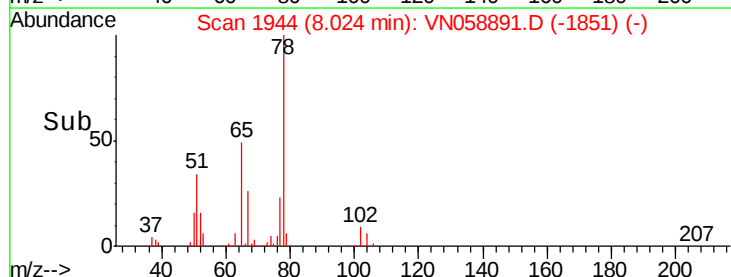
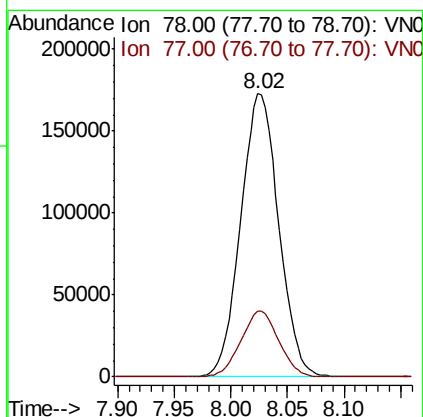
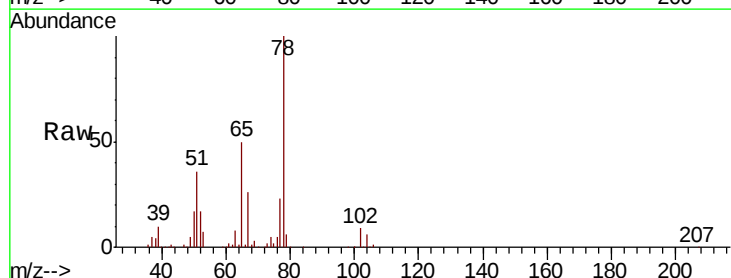
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1021MBS01

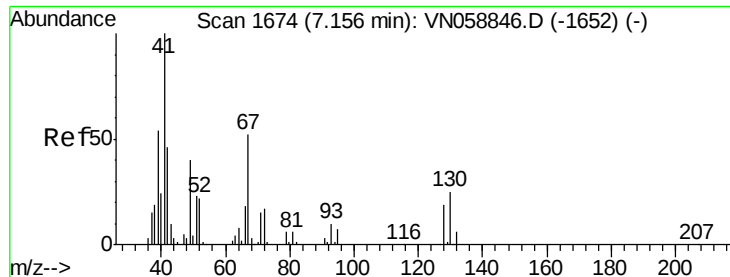
Tot Ion: 83 Resp: 154877  
Ion Ratio Lower Upper  
83 100  
55 81.9 65.5 98.3  
98 45.1 35.7 53.5



#40  
Benzene  
Concen: 20.356 ug/l  
RT: 8.02 min Scan# 1944  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Tgt Ion: 78 Resp: 403910  
Ion Ratio Lower Upper  
78 100  
77 23.1 18.2 27.2

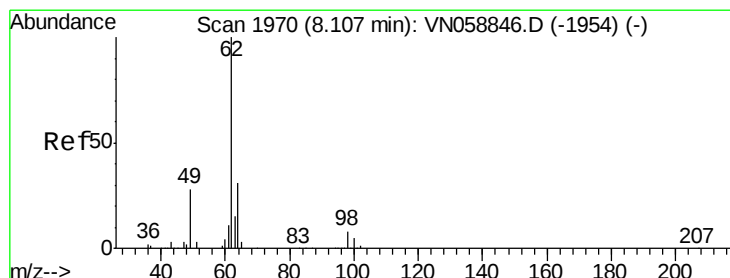
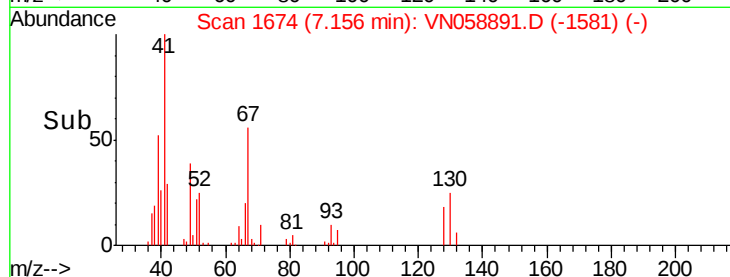
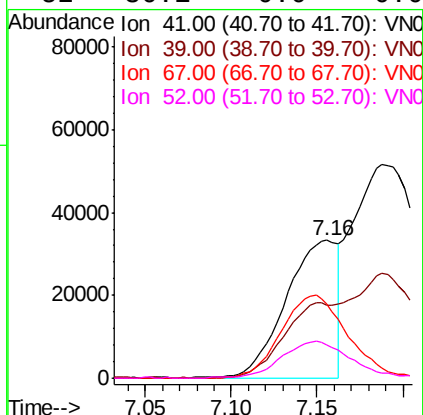
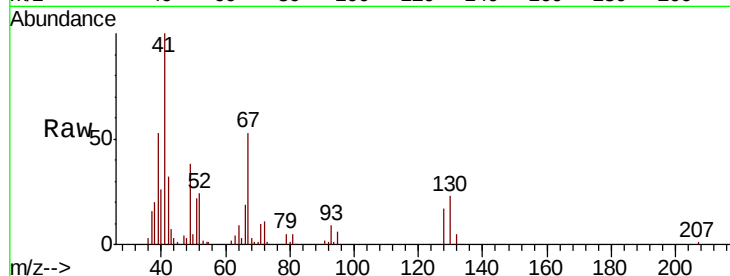




#41  
Methacrylonitrile  
Concen: 21.383 ug/l  
RT: 7.16 min Scan# 1674  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

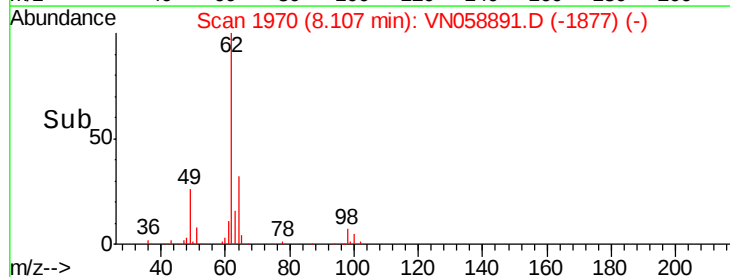
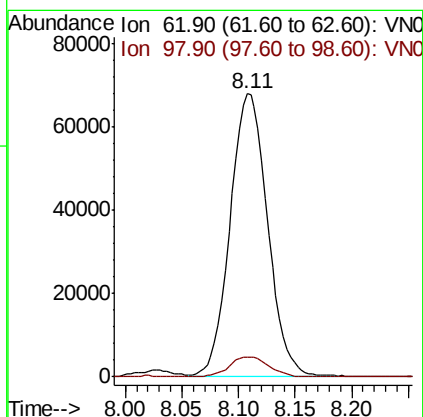
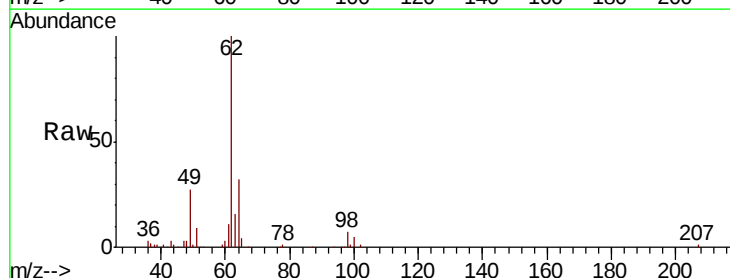
Instrument :  
MSVOA\_N  
ClientSampled :  
VN1021MBS01

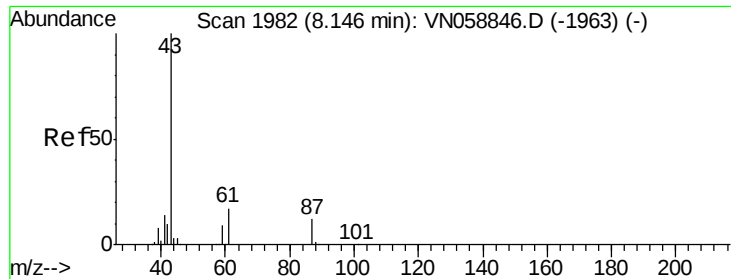
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 70118 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 50.8  | 0.0   | 0.0#  |
| 67       | 77.6  | 0.0   | 0.0#  |
| 52       | 36.1  | 0.0   | 0.0#  |



#42  
1,2-Dichloroethane  
Concen: 20.373 ug/l  
RT: 8.11 min Scan# 1970  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 155717 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 7.5   | 0.0   | 16.2   |





#43

Isopropyl Acetate

Concen: 19.971 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

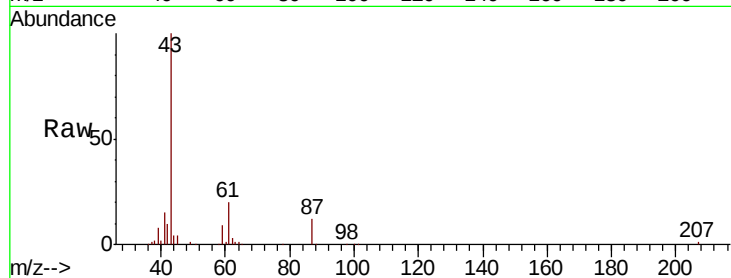
MSVOA\_N

ClientSampleId :

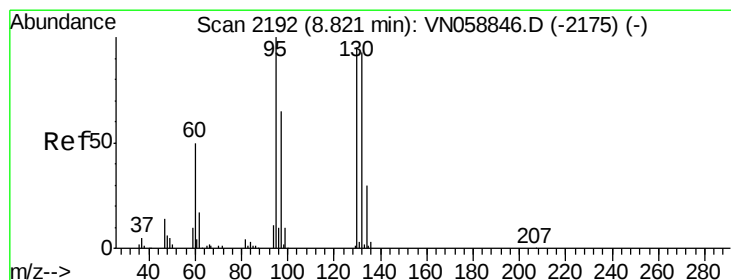
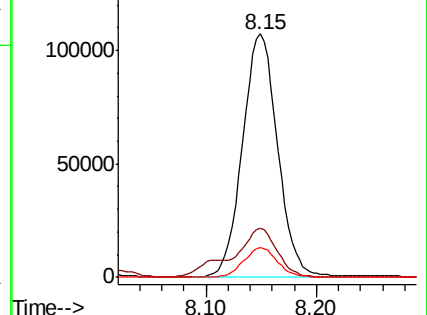
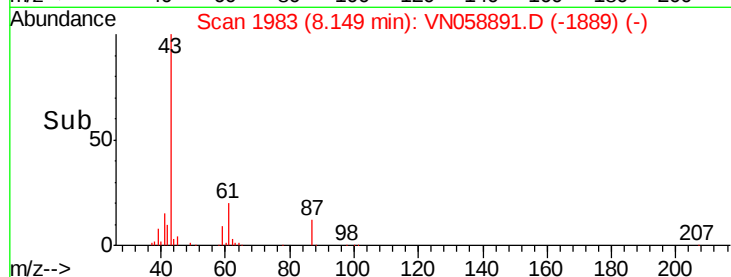
VN1021MBS01

Tot Ion: 43 Resp: 235824

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 20.1  | 20.2  | 30.2# |
| 87  | 11.8  | 9.5   | 14.3  |



Abundance Ion 43.00 (42.70 to 43.70): VN058891.D (-1989) (-)



#44

Trichloroethene

Concen: 20.086 ug/l

RT: 8.82 min Scan# 2192

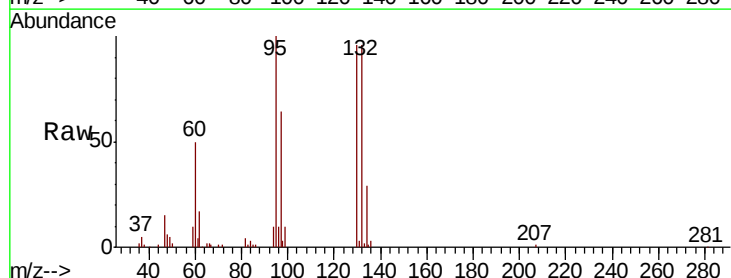
Delta R.T. 0.00 min

Lab File: VN058891.D

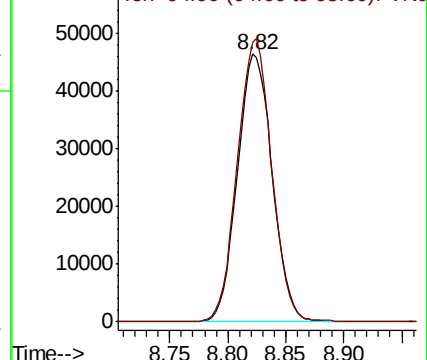
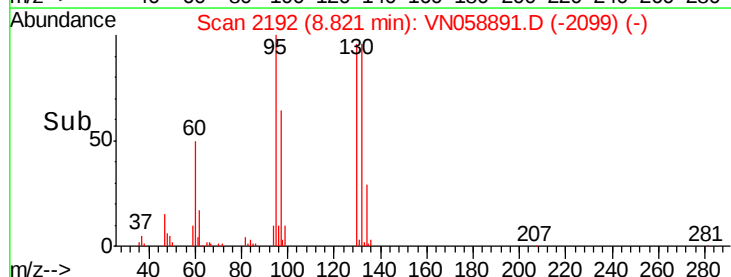
Acq: 21 Oct 2019 16:13

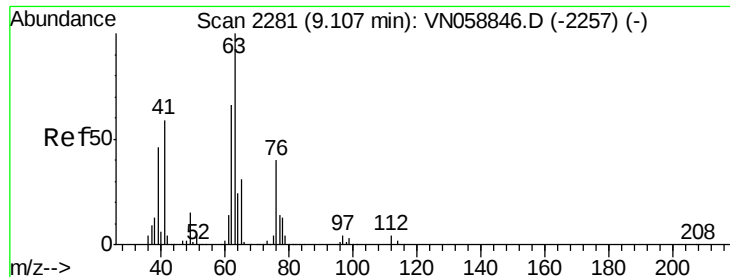
Tgt Ion: 130 Resp: 97084

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 104.5 | 0.0   | 209.6 |



Abundance Ion 129.80 (129.50 to 130.50): VN058891.D (-2099) (-)





#45

1,2-Dichloropropane

Concen: 20.205 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

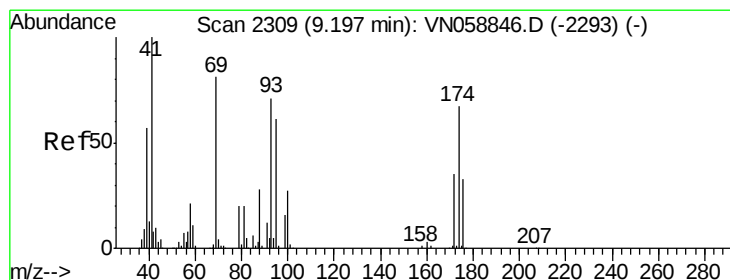
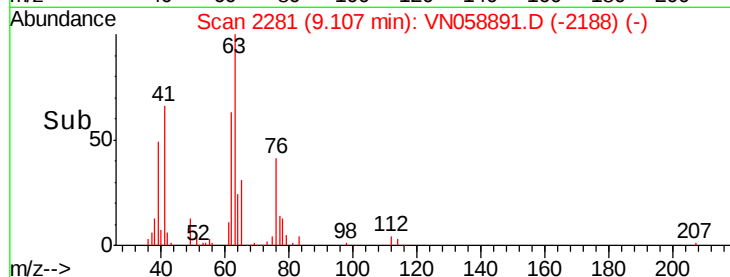
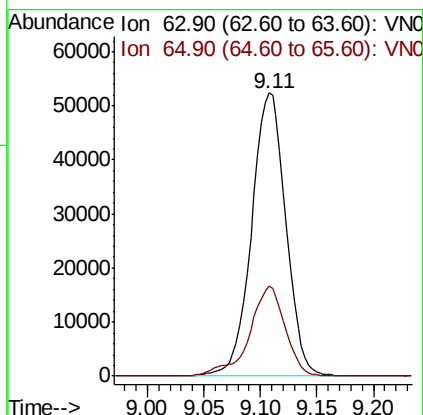
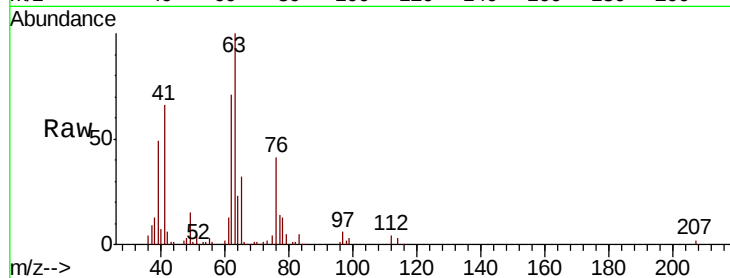
VN1021MBS01

Tot Ion: 63 Resp: 109936

Ion Ratio Lower Upper

63 100

65 31.7 24.5 36.7



#46

Dibromomethane

Concen: 20.058 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

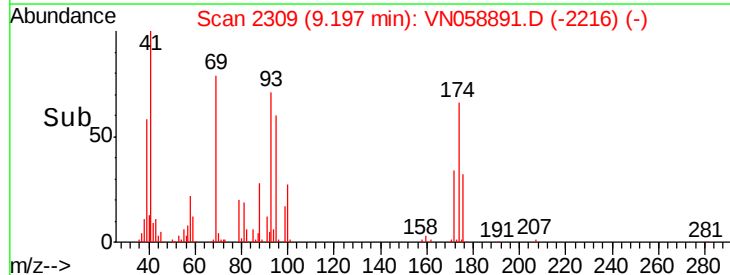
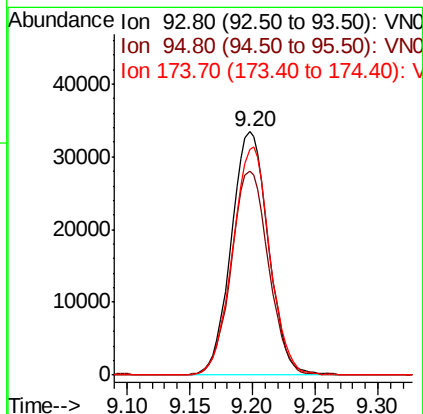
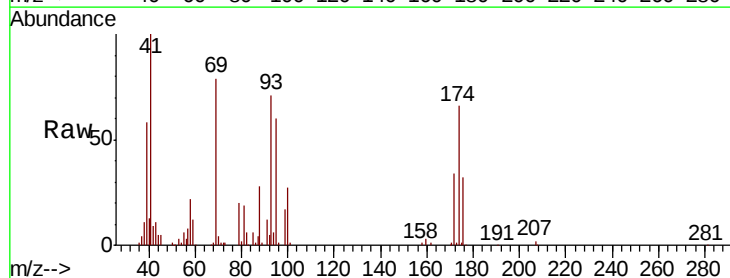
Tgt Ion: 93 Resp: 68993

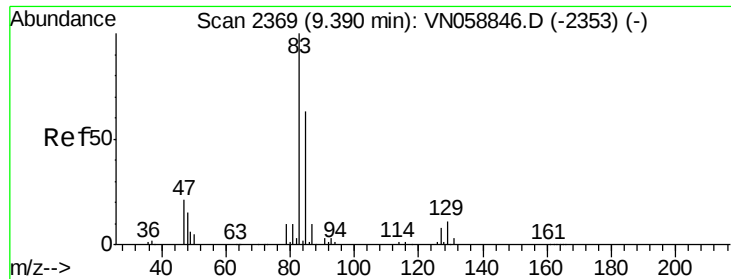
Ion Ratio Lower Upper

93 100

95 84.2 67.6 101.4

174 93.3 74.1 111.1

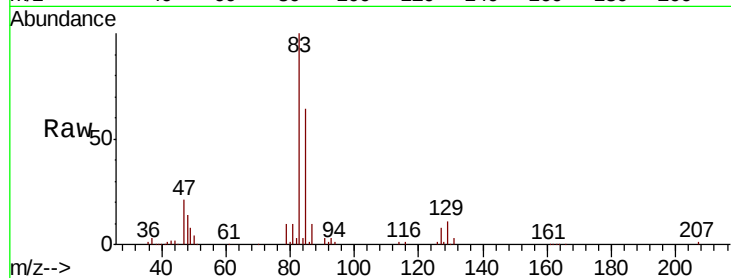




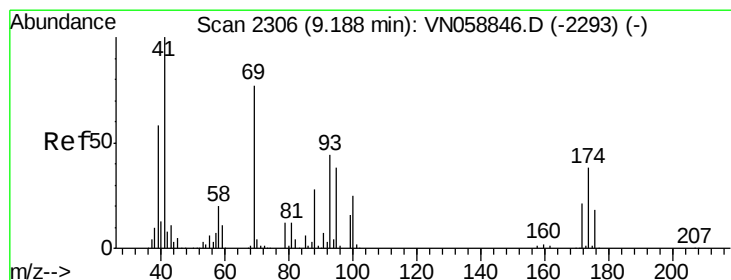
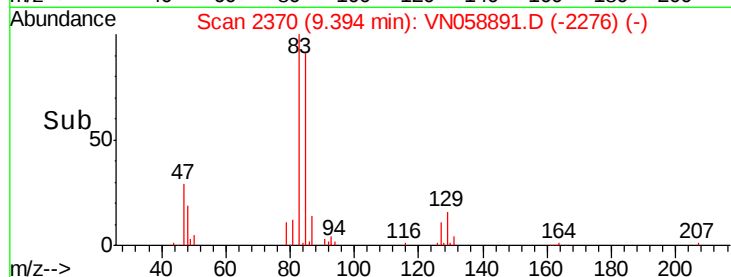
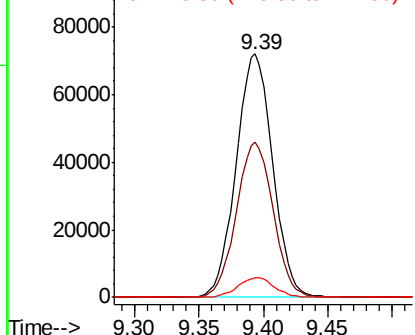
#47  
Bromodichloromethane  
Concen: 20.030 ug/l  
RT: 9.39 min Scan# 2370  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1021MBS01

Tot Ion: 83 Resp: 142000  
Ion Ratio Lower Upper  
83 100  
85 63.6 50.6 75.8  
127 8.0 6.5 9.7

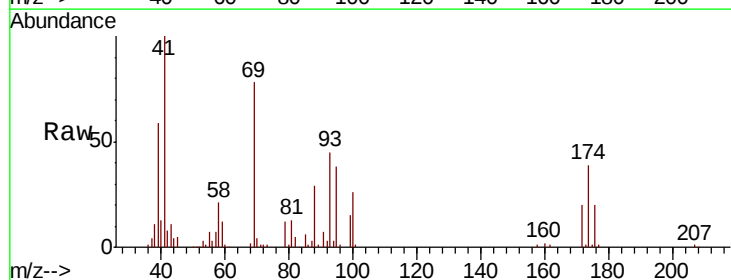


Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0  
Ion 126.80 (126.50 to 127.50): VN0

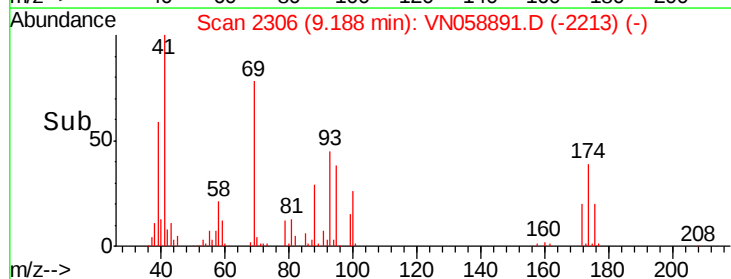
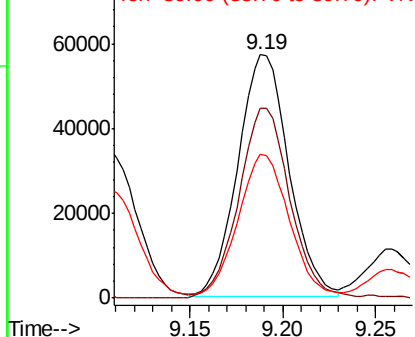


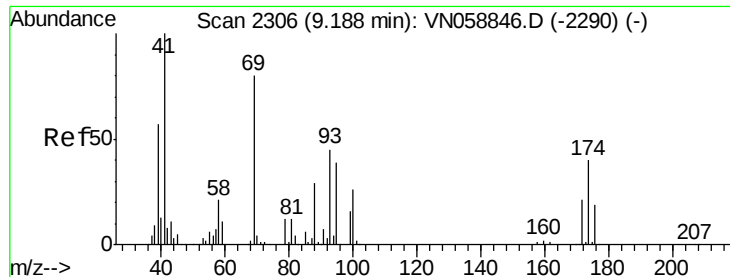
#48  
Methyl methacrylate  
Concen: 20.496 ug/l  
RT: 9.19 min Scan# 2306  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Tgt Ion: 41 Resp: 109807  
Ion Ratio Lower Upper  
41 100  
69 78.4 63.8 95.6  
39 56.9 47.8 71.8



Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0

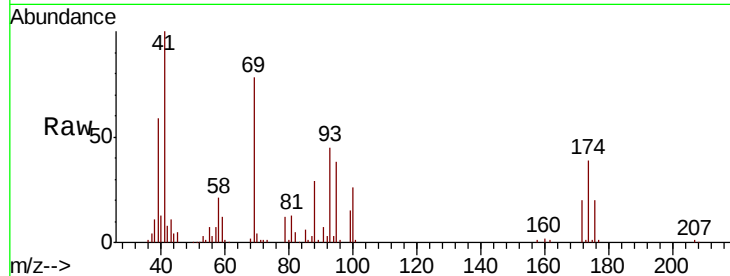




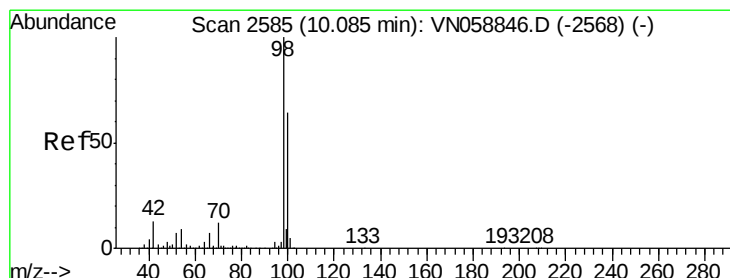
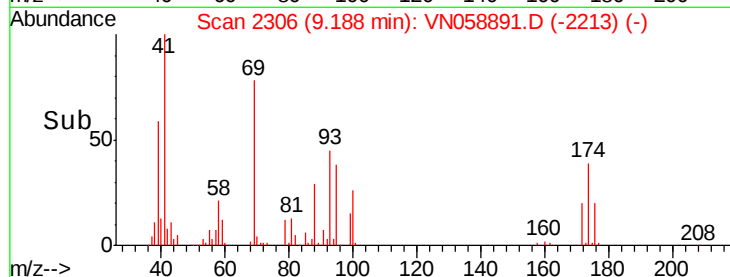
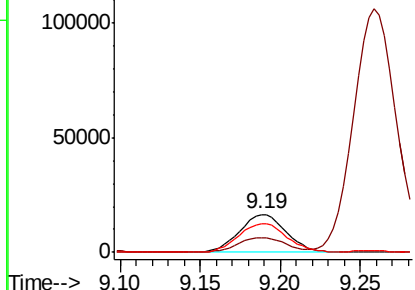
#49  
1,4-Dioxane  
Concen: 377.303 ug/l  
RT: 9.19 min Scan# 2306  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Instrument :  
MSVOA\_N  
ClientSampled :  
VN1021MBS01

Tot Ion: 88 Resp: 33182  
Ion Ratio Lower Upper  
88 100  
43 40.3 29.1 43.7  
58 78.3 59.4 89.0

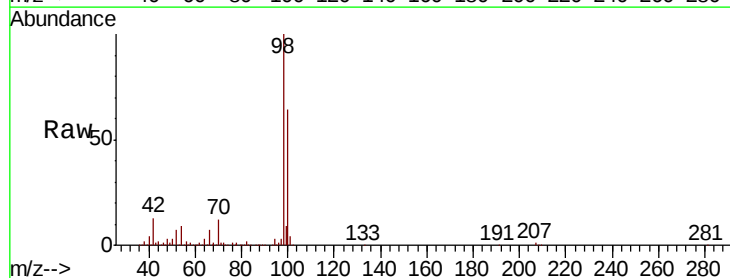


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

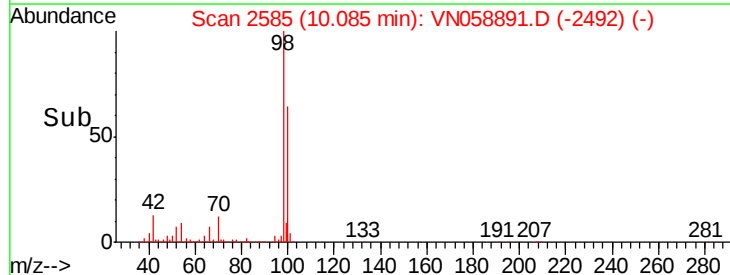
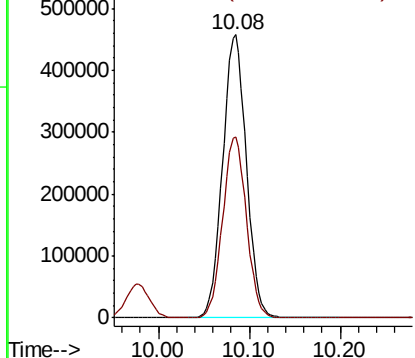


#50  
Toluene-d8  
Concen: 49.250 ug/l  
RT: 10.08 min Scan# 2585  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Tgt Ion: 98 Resp: 829611  
Ion Ratio Lower Upper  
98 100  
100 63.9 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: 108.237 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

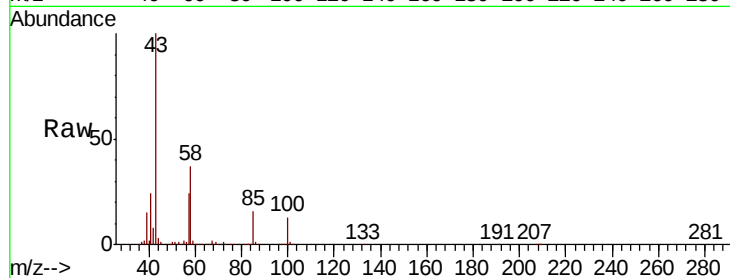
VN1021MBS01

Tot Ion: 43 Resp: 746519

Ion Ratio Lower Upper

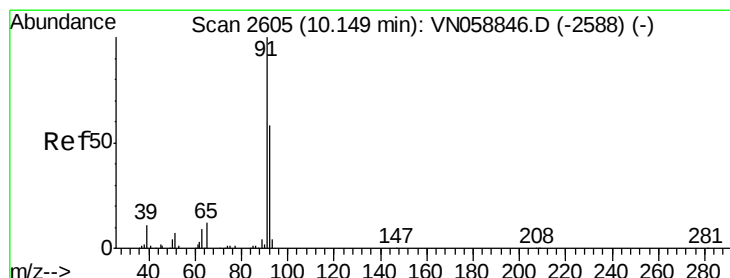
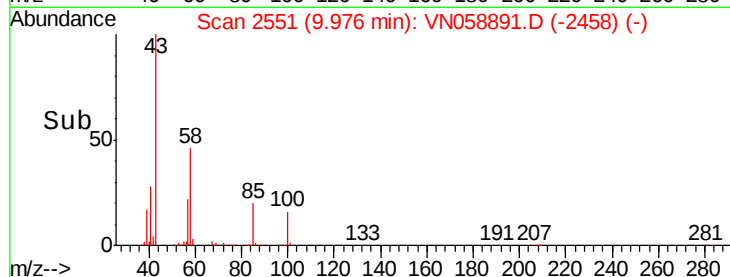
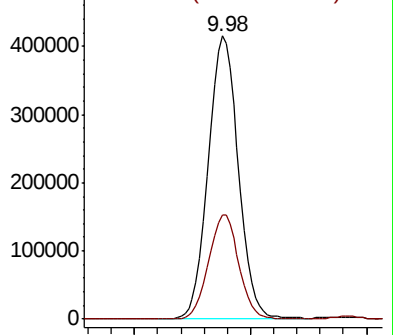
43 100

58 36.9 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: 20.683 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058891.D

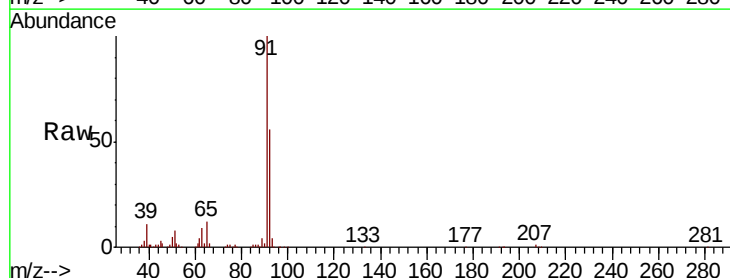
Acq: 21 Oct 2019 16:13

Tgt Ion: 92 Resp: 243369

Ion Ratio Lower Upper

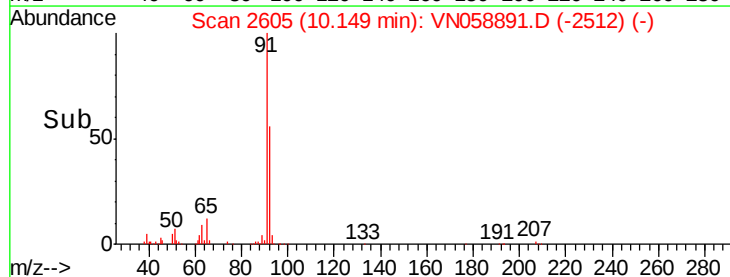
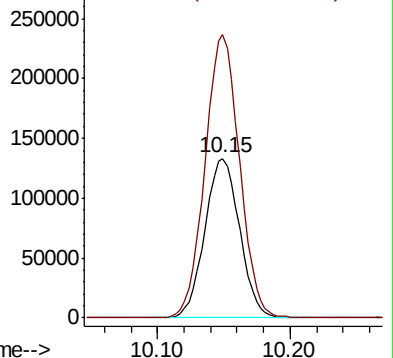
92 100

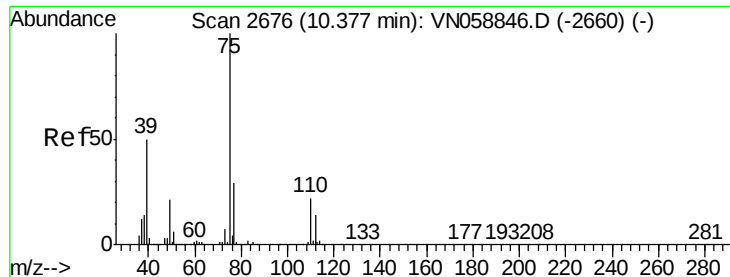
91 176.0 138.9 208.3



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: 19.928 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampled :

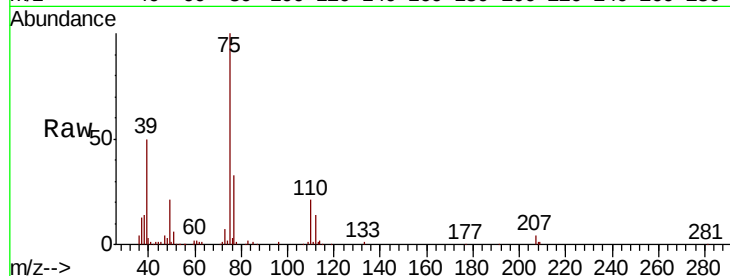
VN1021MBS01

Tot Ion: 75 Resp: 156396

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

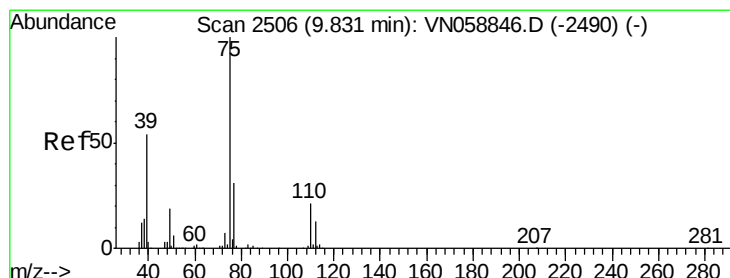
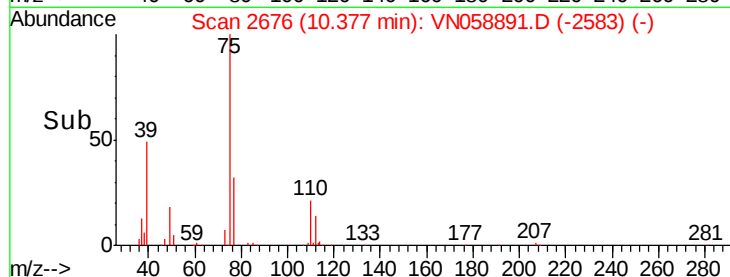
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.982 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

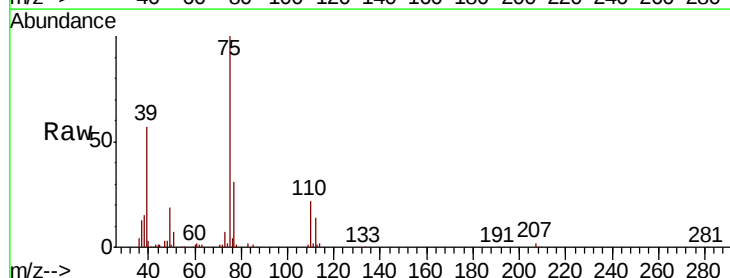
Tgt Ion: 75 Resp: 167547

Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1

39 57.3 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

120000

100000

80000

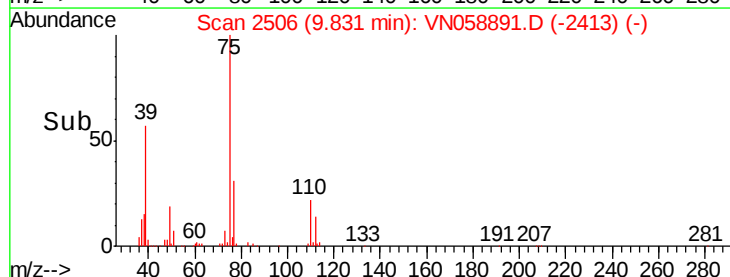
60000

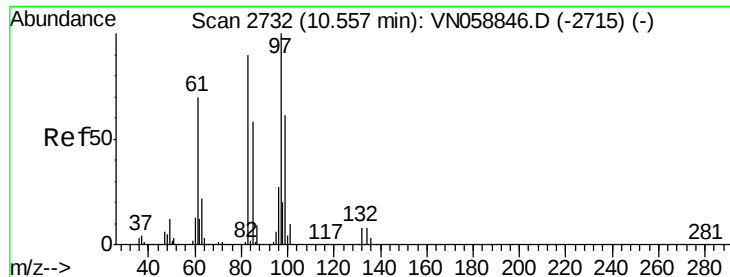
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.091 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

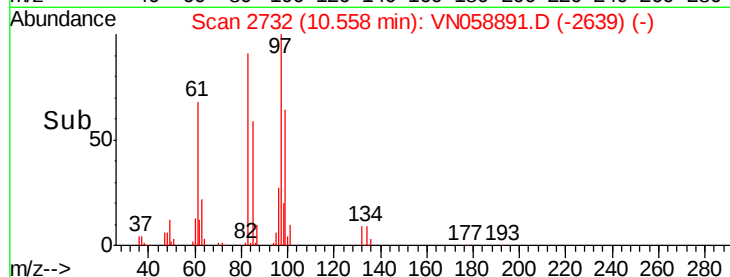
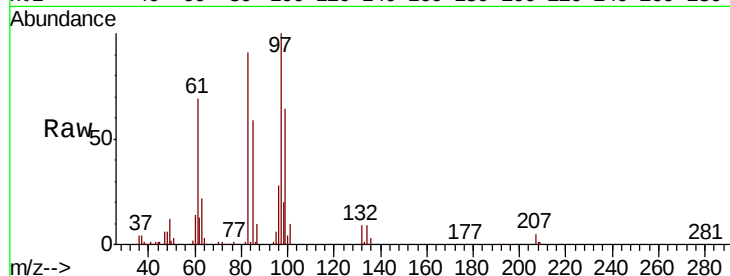
MSVOA\_N

ClientSampleId :

VN1021MBS01

Tot Ion: 97 Resp: 97389

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 90.6  | 72.2  | 108.4 |
| 85  | 59.3  | 46.2  | 69.2  |
| 99  | 64.3  | 48.7  | 73.1  |

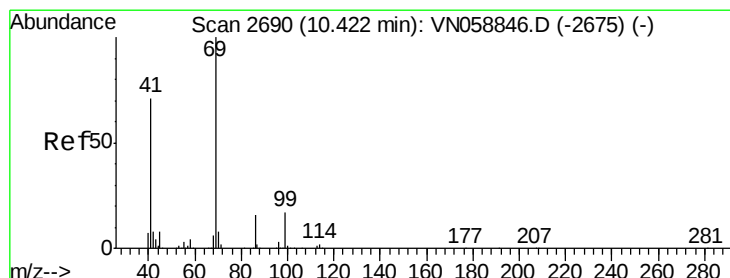


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 19.142 ug/l

RT: 10.43 min Scan# 2691

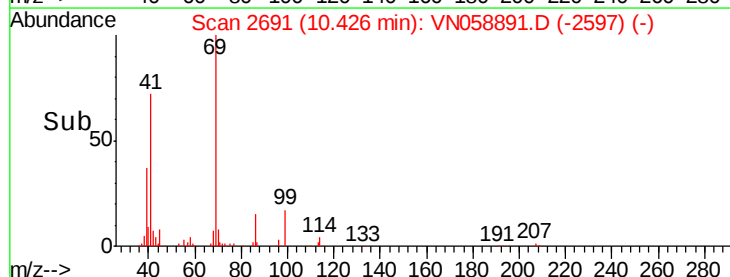
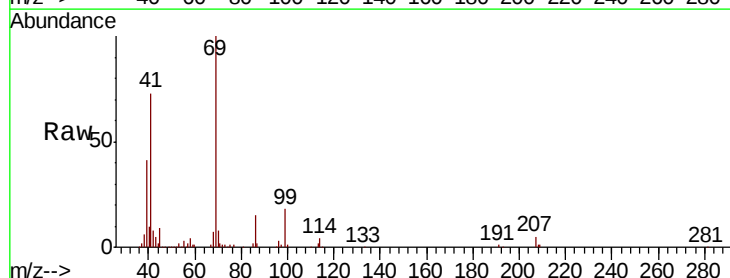
Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Tgt Ion: 69 Resp: 144859

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 72.2  | 57.2  | 85.8  |
| 39  | 40.4  | 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: 20.262 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampled :

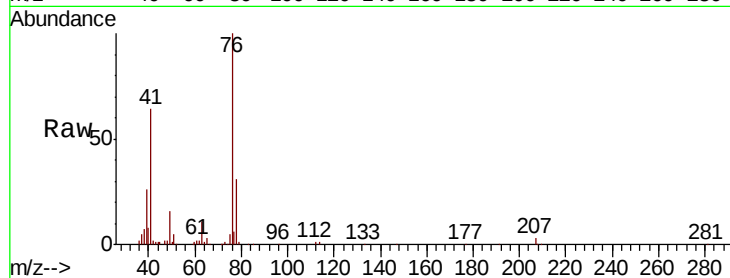
VN1021MBS01

Tot Ion: 76 Resp: 172381

Ion Ratio Lower Upper

76 100

78 31.8 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

60000

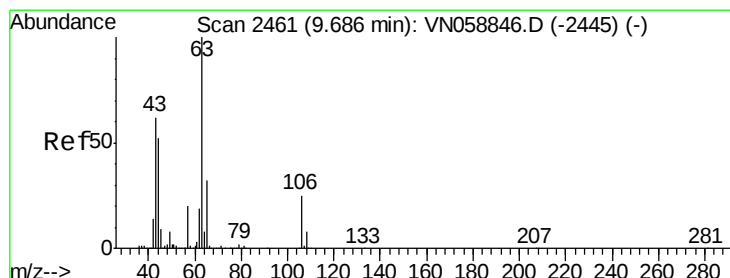
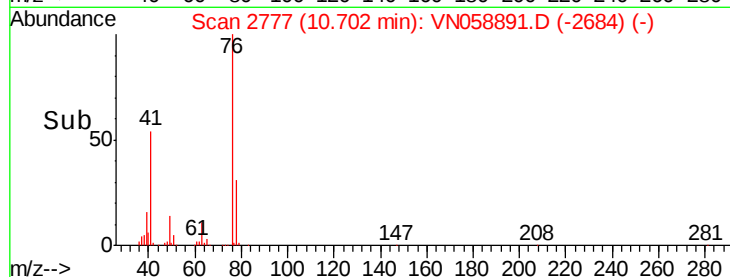
40000

20000

0

10.65 10.70 10.75

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 94.674 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058891.D

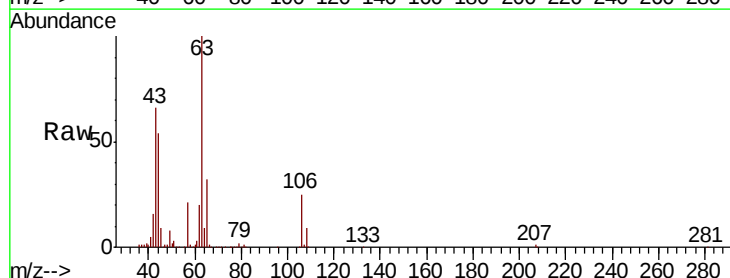
Acq: 21 Oct 2019 16:13

Tgt Ion: 63 Resp: 313142

Ion Ratio Lower Upper

63 100

106 24.9 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

150000

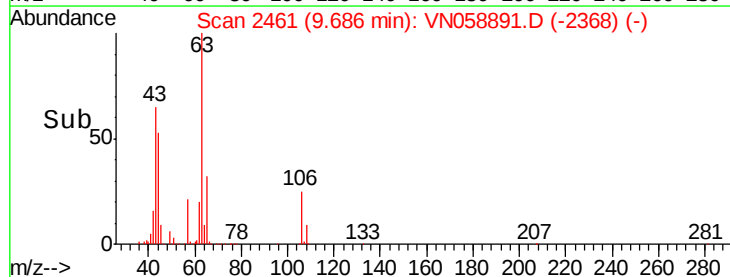
100000

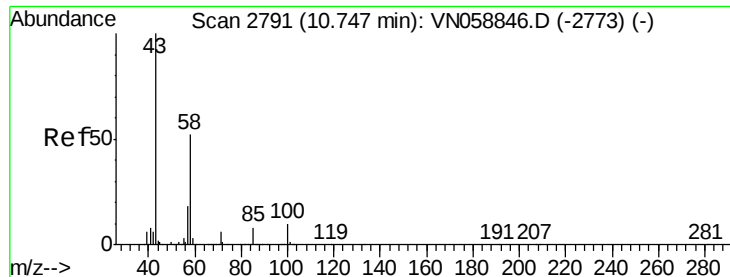
50000

0

9.60 9.70 9.80

Time-->

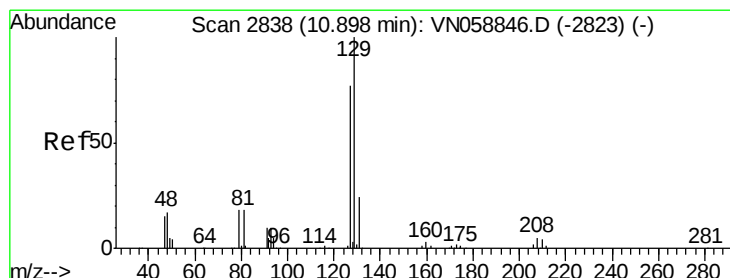
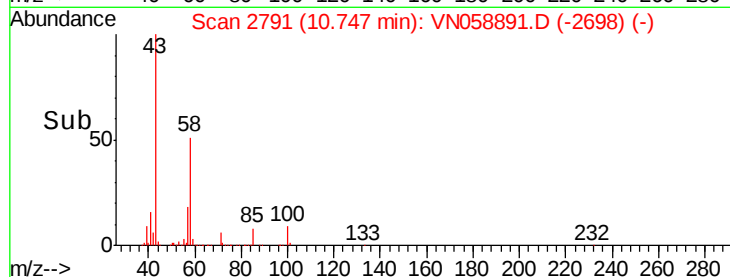
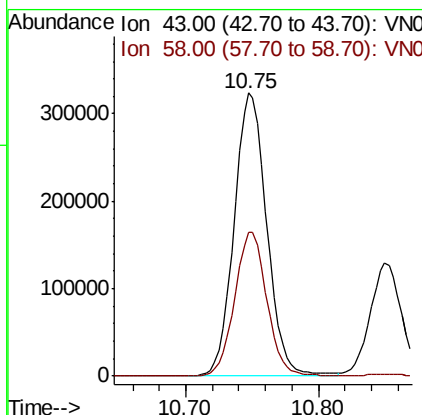
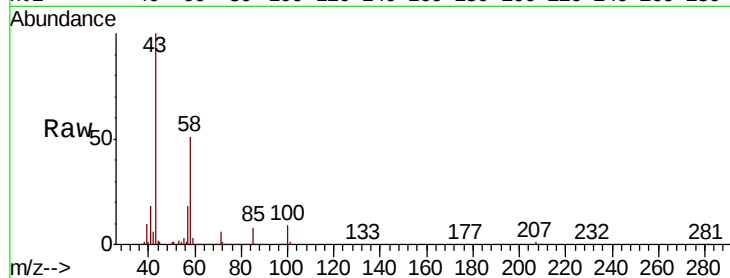




#59  
2-Hexanone  
Concen: 102.915 ug/l  
RT: 10.75 min Scan# 2791  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

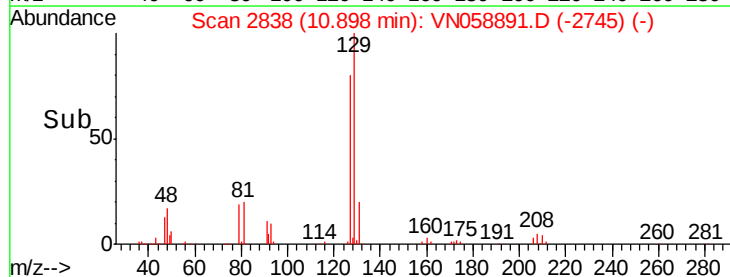
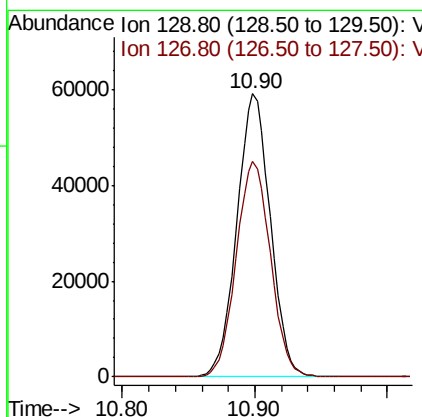
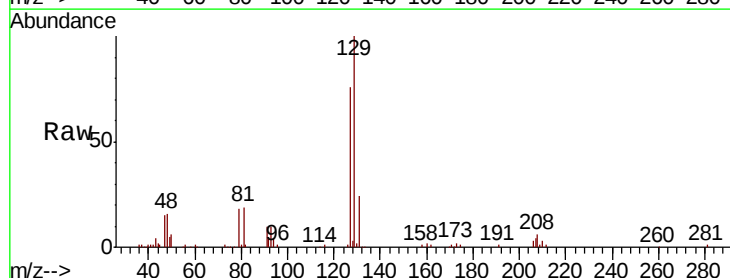
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1021MBS01

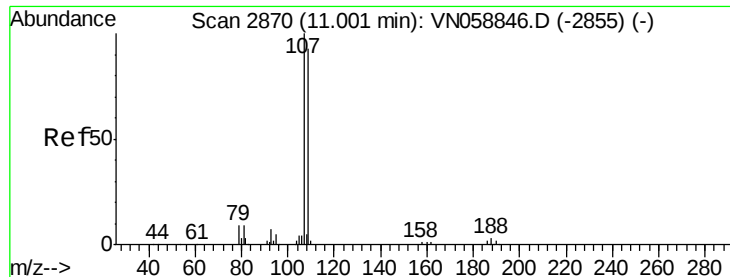
Tot Ion: 43 Resp: 548495  
Ion Ratio Lower Upper  
43 100  
58 50.6 25.9 77.7



#60  
Dibromochloromethane  
Concen: 19.898 ug/l  
RT: 10.90 min Scan# 2838  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Tgt Ion: 129 Resp: 103819  
Ion Ratio Lower Upper  
129 100  
127 77.9 39.1 117.3





#61

1,2-Dibromoethane

Concen: 20.465 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

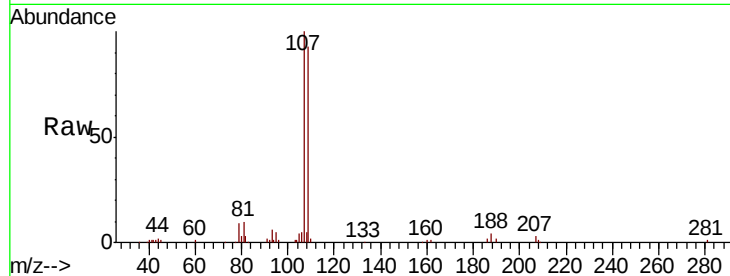
VN1021MBS01

Tot Ion:107 Resp: 101522

Ion Ratio Lower Upper

107 100

109 92.4 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

60000

50000

40000

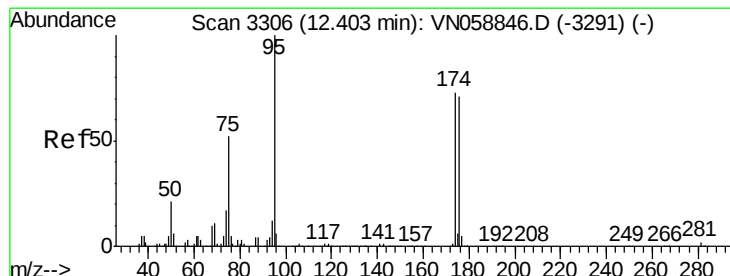
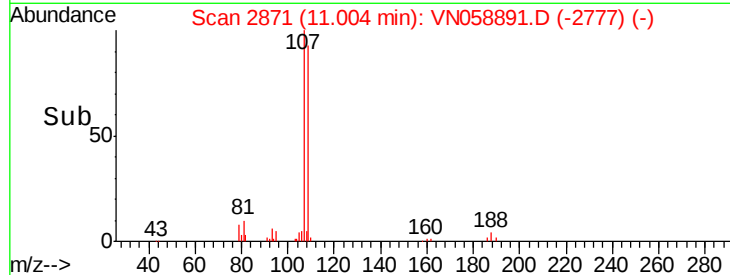
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.040 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

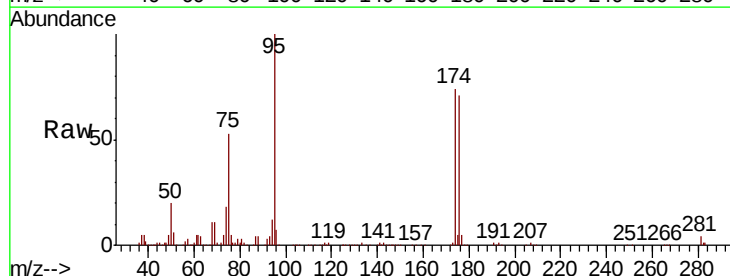
Tgt Ion: 95 Resp: 297168

Ion Ratio Lower Upper

95 100

174 76.0 0.0 147.6

176 73.0 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

250000

200000

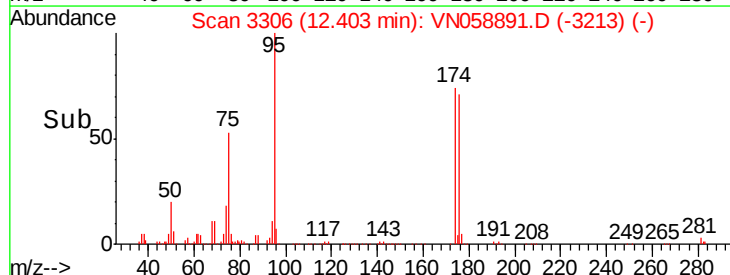
150000

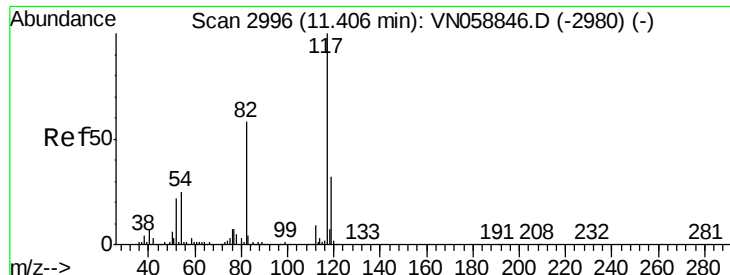
100000

50000

0

Time-->

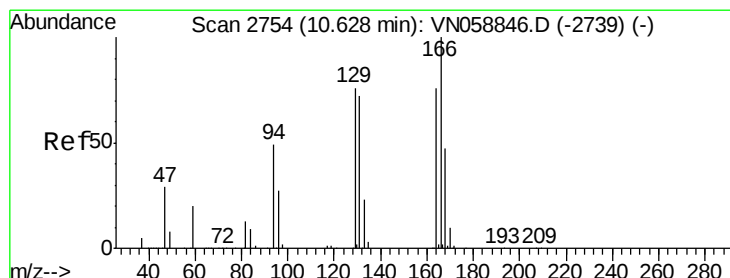
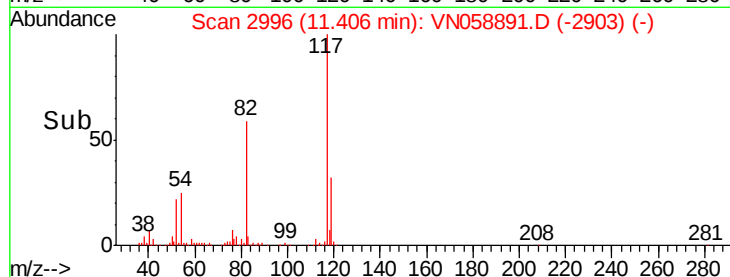
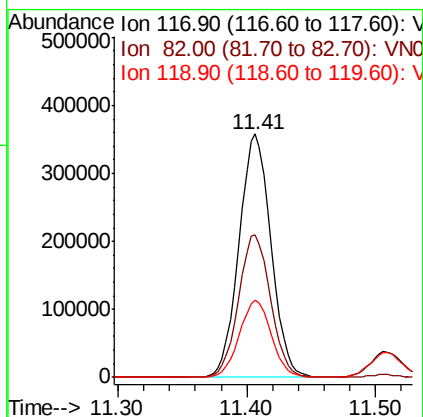
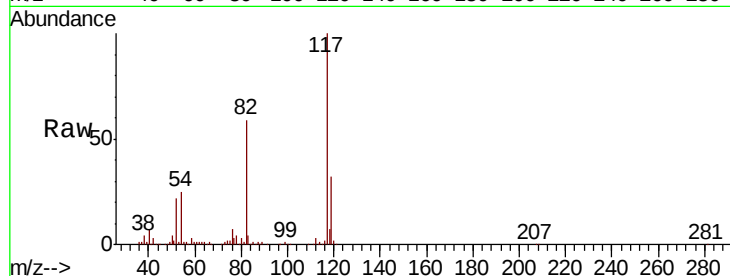




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

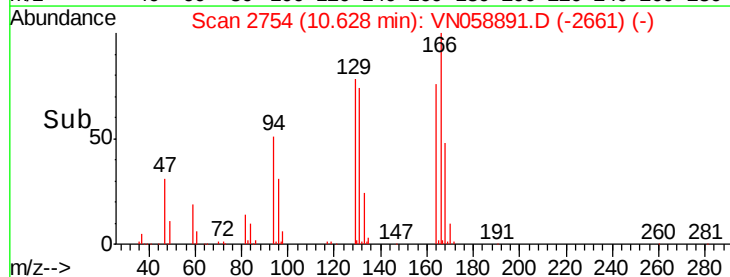
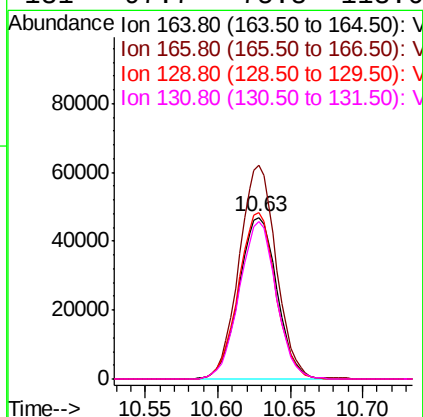
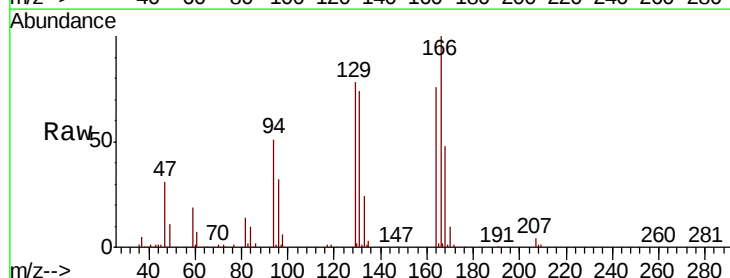
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1021MBS01

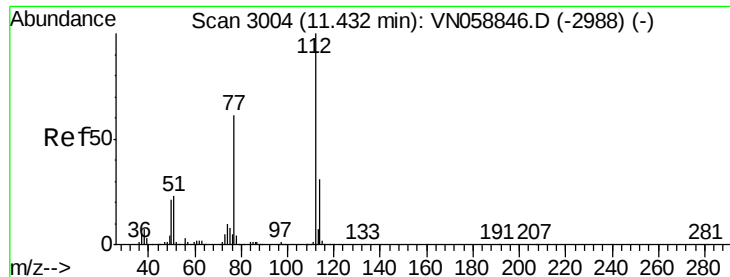
Tot Ion:117 Resp: 616847  
Ion Ratio Lower Upper  
117 100  
82 58.8 46.6 69.8  
119 31.6 25.6 38.4



#64  
Tetrachloroethene  
Concen: 19.911 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Tgt Ion:164 Resp: 86017  
Ion Ratio Lower Upper  
164 100  
166 132.1 104.8 157.2  
129 102.8 79.3 118.9  
131 97.7 75.8 113.6

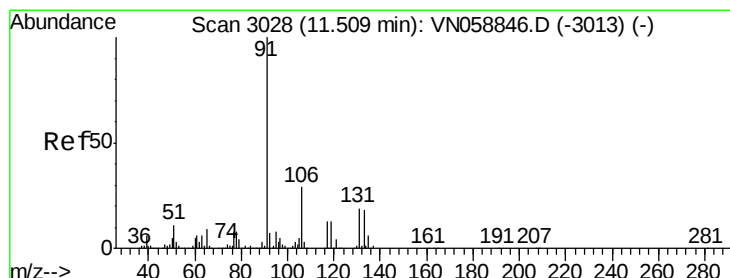
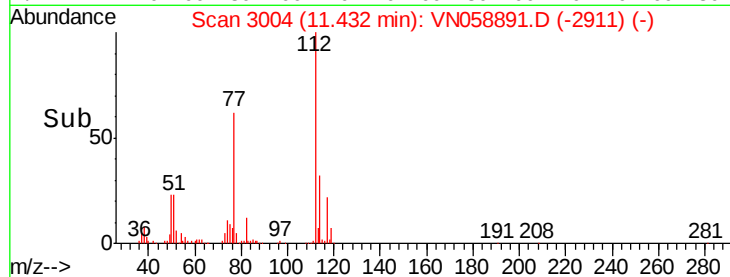
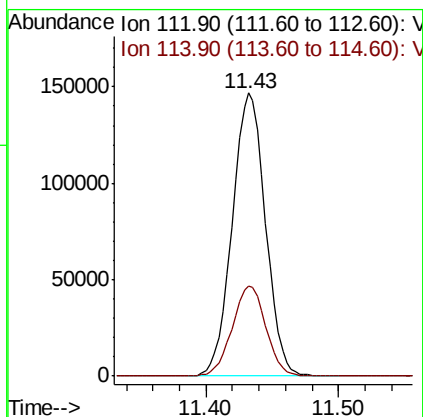
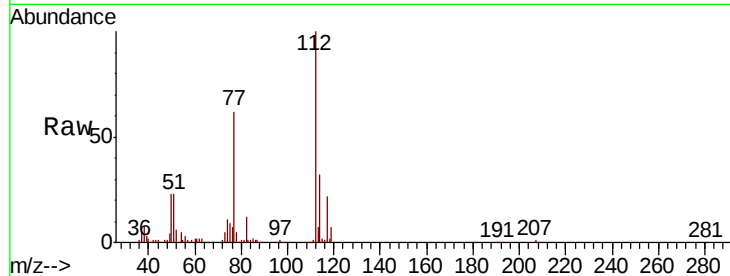




#65  
Chlorobenzene  
Concen: 20.251 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

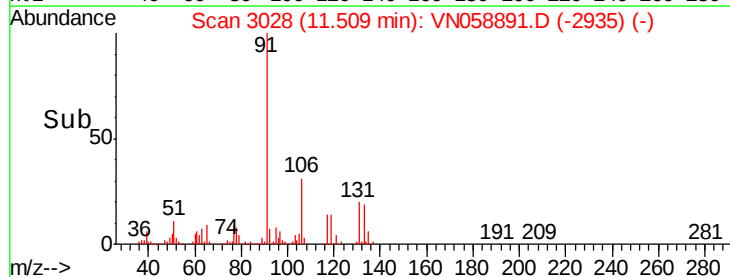
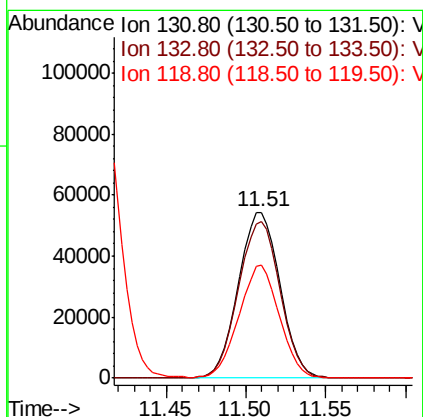
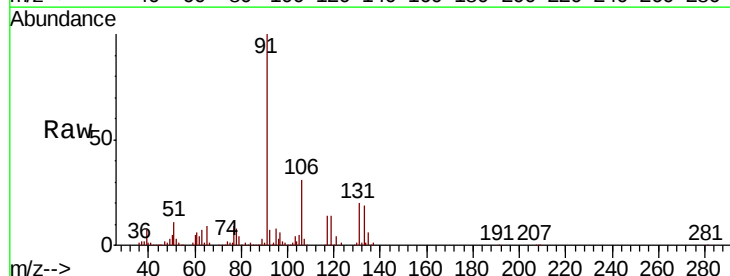
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1021MBS01

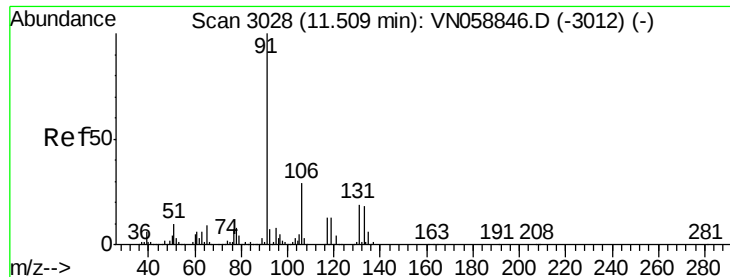
Tot Ion:112 Resp: 254317  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.440 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Tgt Ion:131 Resp: 96864  
Ion Ratio Lower Upper  
131 100  
133 94.6 48.4 145.2  
119 66.1 33.6 100.8





#67

Ethyl Benzene

Concen: 21.111 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampled :

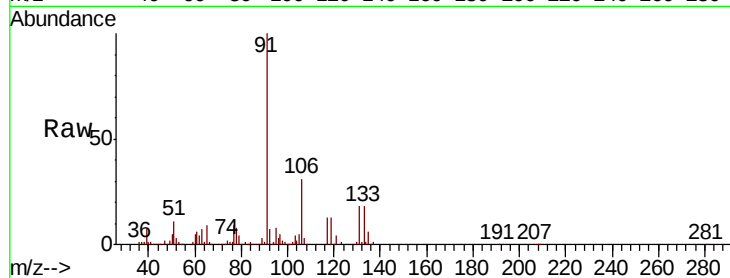
VN1021MBS01

Tot Ion: 91 Resp: 465079

Ion Ratio Lower Upper

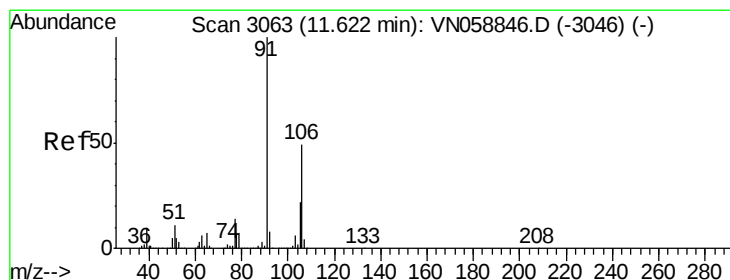
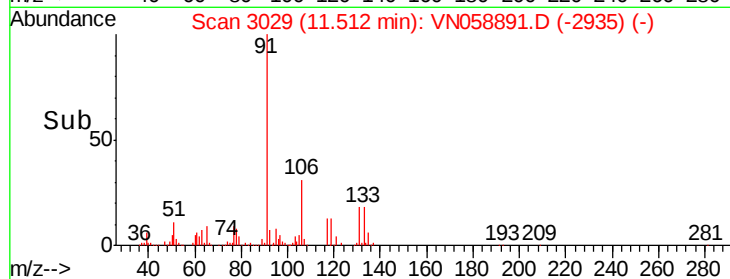
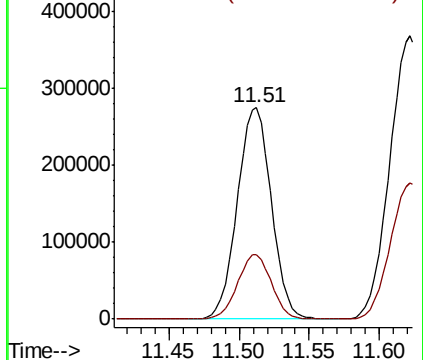
91 100

106 30.7 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.899 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058891.D

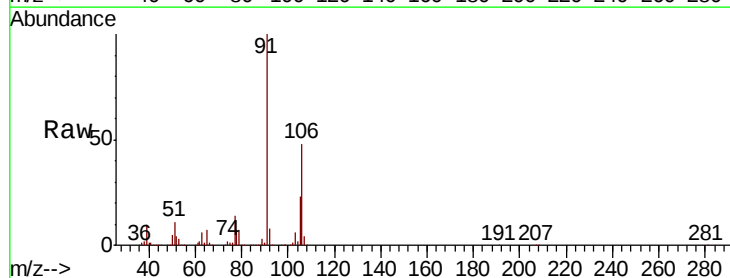
Acq: 21 Oct 2019 16:13

Tgt Ion: 106 Resp: 342302

Ion Ratio Lower Upper

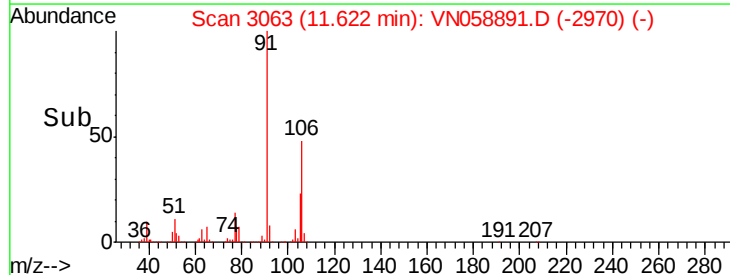
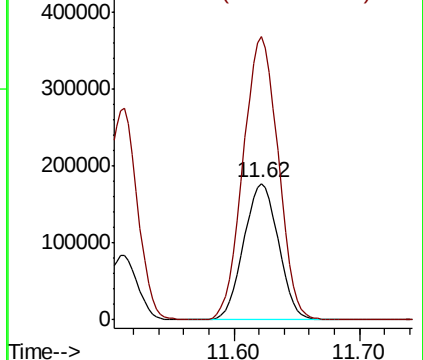
106 100

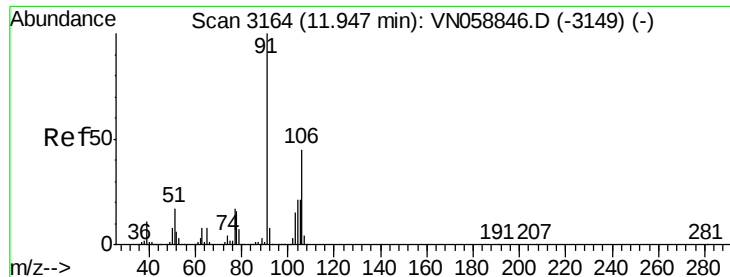
91 209.1 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

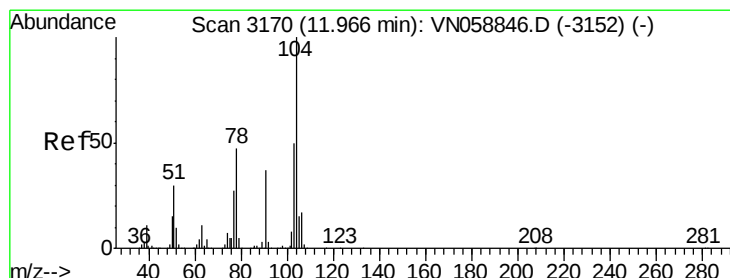
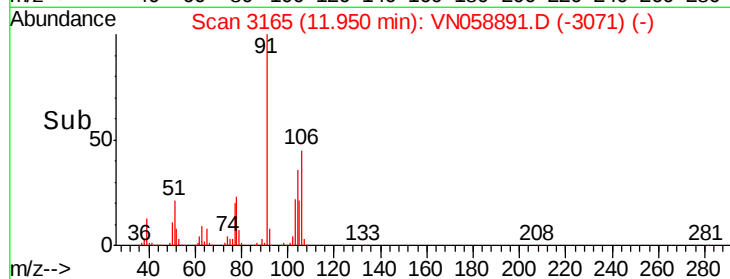
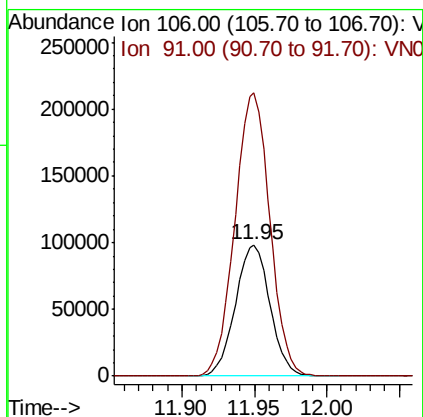
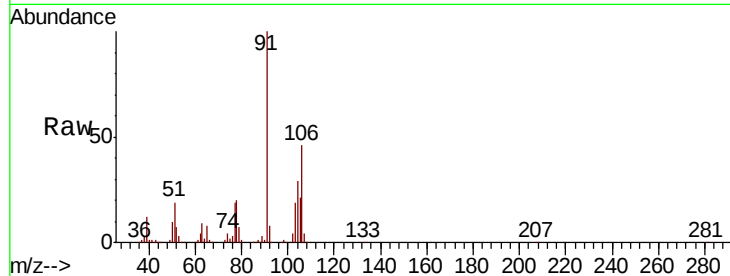




#69  
o-Xylene  
Concen: 20.861 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

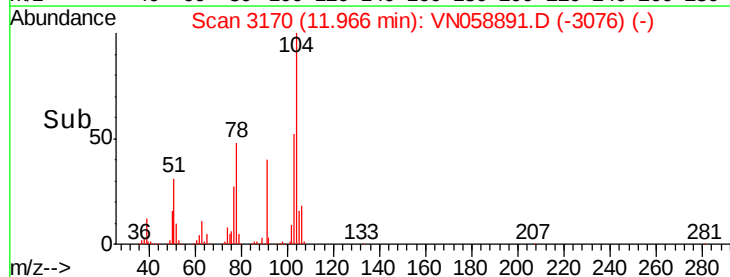
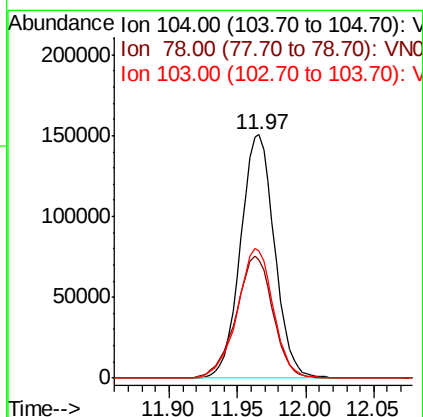
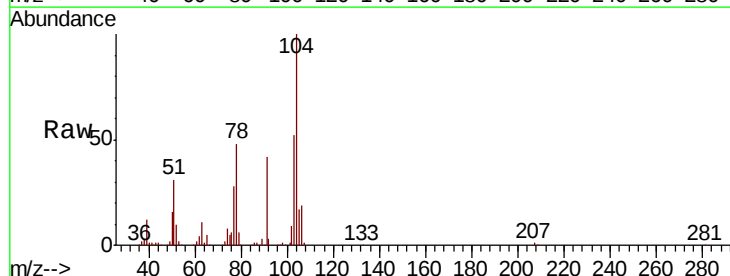
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1021MBS01

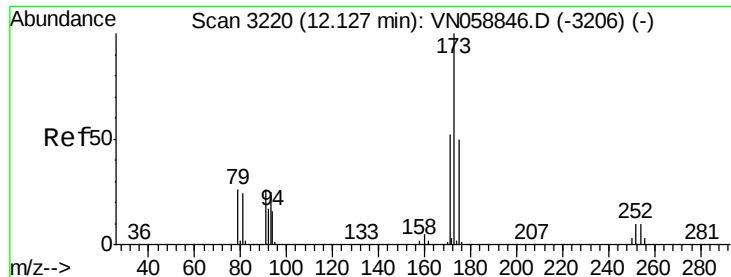
Tot Ion:106 Resp: 162545  
Ion Ratio Lower Upper  
106 100  
91 218.7 111.5 334.4



#70  
Styrene  
Concen: 19.212 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Tgt Ion:104 Resp: 260596  
Ion Ratio Lower Upper  
104 100  
78 54.4 42.8 64.2  
103 56.5 44.3 66.5

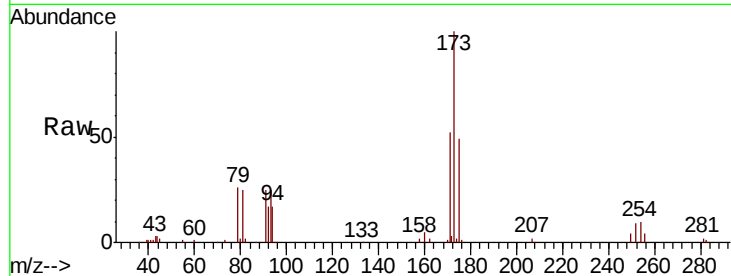




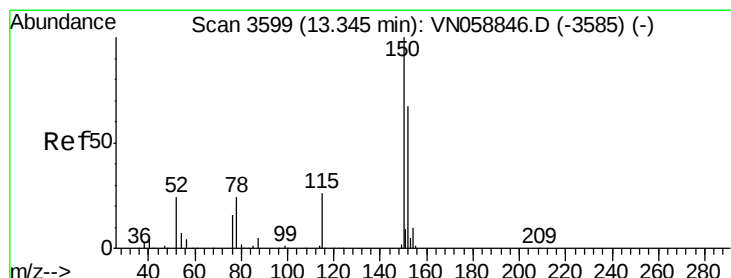
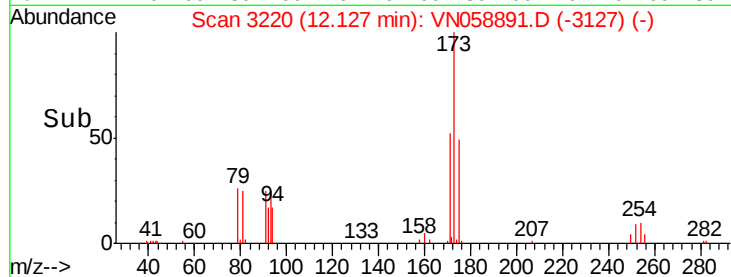
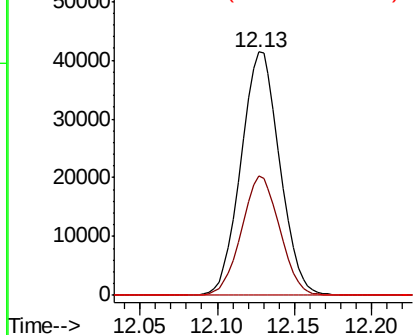
#71  
Bromoform  
Concen: 19.704 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Instrument :  
MSVOA\_N  
ClientSampled :  
VN1021MBS01

Tot Ion:173 Resp: 72406  
Ion Ratio Lower Upper  
173 100  
175 48.2 24.7 74.1  
254 0.0 0.0 0.0

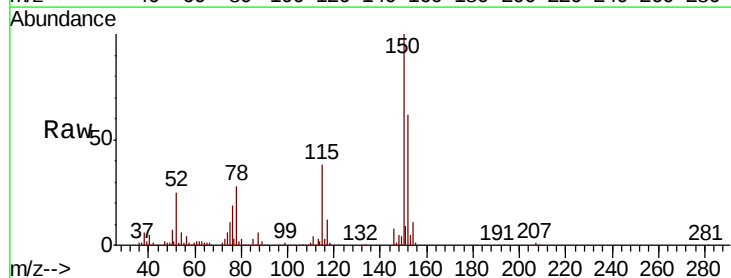


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

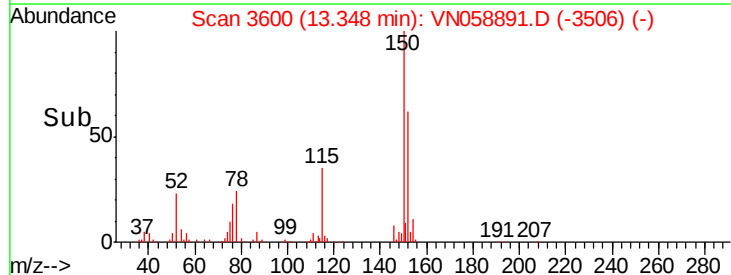
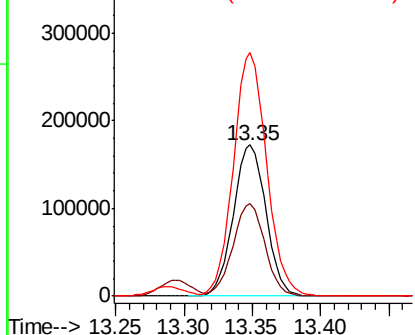


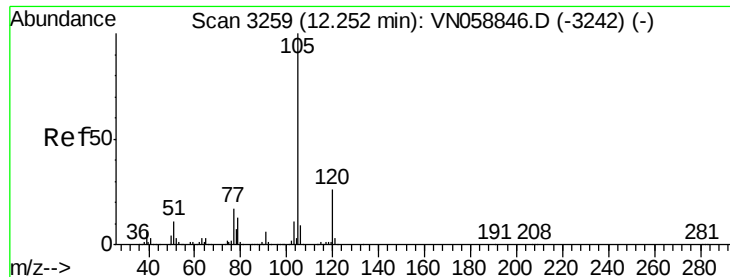
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3600  
Delta R.T. 0.00 min  
Lab File: VN058891.D  
Acq: 21 Oct 2019 16:13

Tgt Ion:152 Resp: 285597  
Ion Ratio Lower Upper  
152 100  
115 60.0 30.5 91.5  
150 163.9 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: 21.267 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

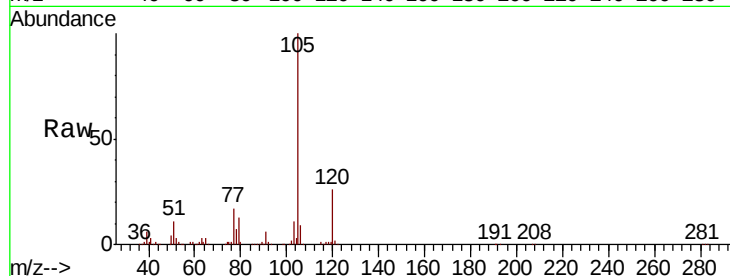
VN1021MBS01

Tot Ion:105 Resp: 443877

Ion Ratio Lower Upper

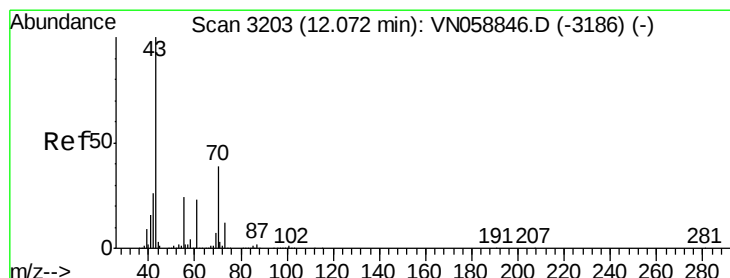
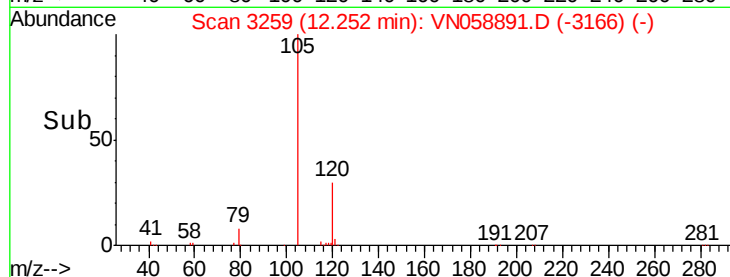
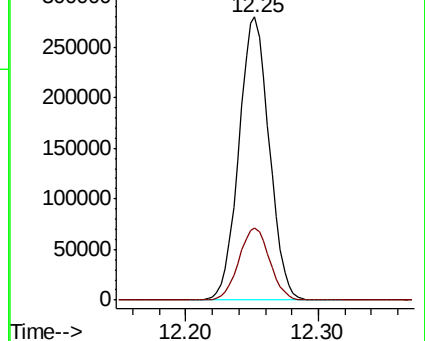
105 100

120 25.8 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: 21.142 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Tgt Ion: 43 Resp: 200053

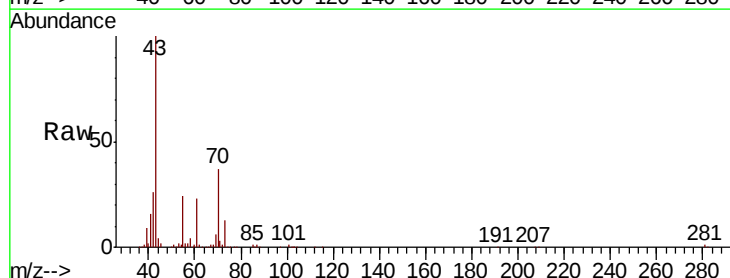
Ion Ratio Lower Upper

43 100

70 38.2 30.9 46.3

55 25.0 19.7 29.5

61 22.6 18.2 27.4

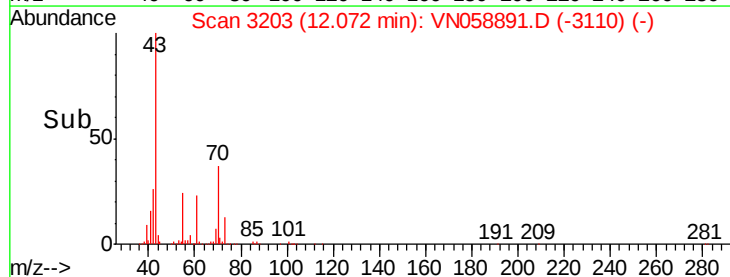
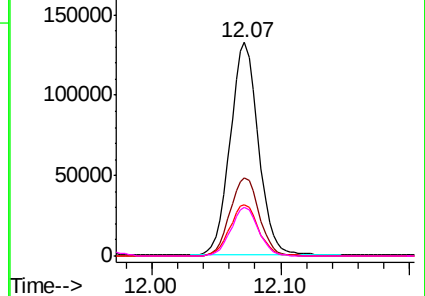


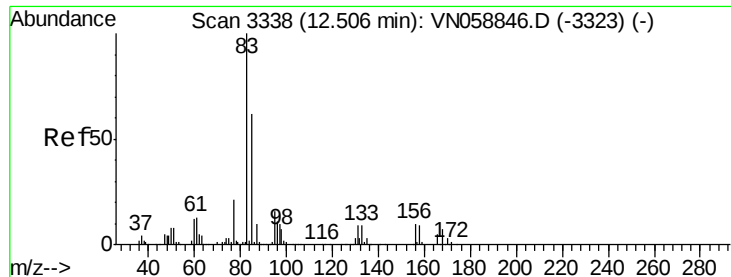
Abundance Ion 43.00 (42.70 to 43.70): V

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: 20.443 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

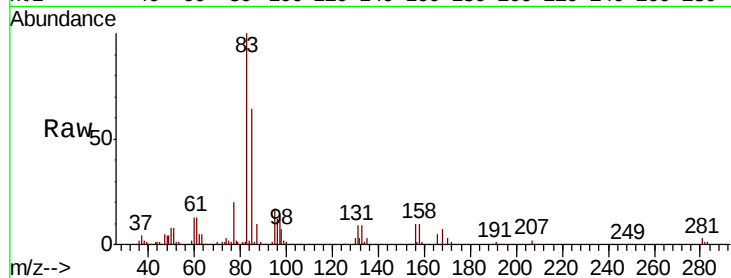
MSVOA\_N

ClientSampleId :

VN1021MBS01

Tot Ion: 83 Resp: 150027

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 9.8   | 4.7   | 14.1  |
| 85  | 63.4  | 31.7  | 95.1  |

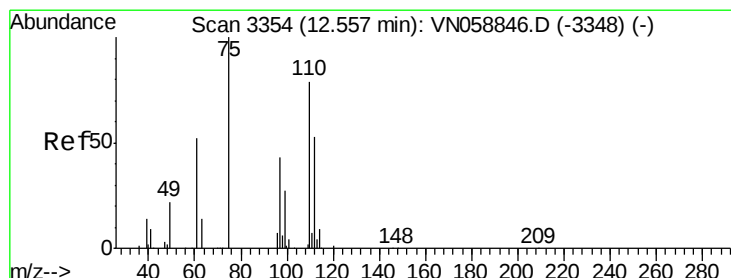
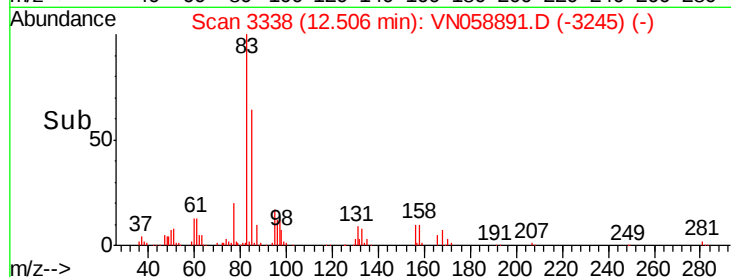
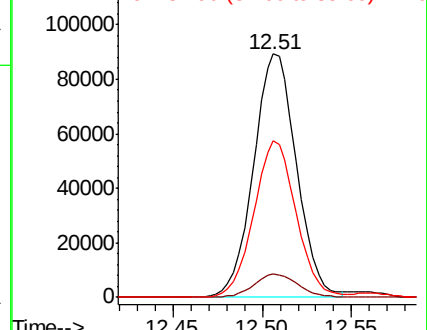


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.482 ug/l

RT: 12.56 min Scan# 3354

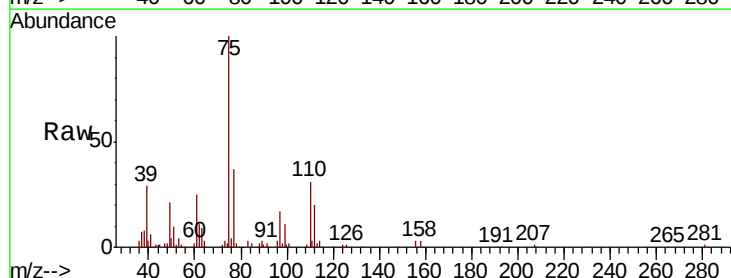
Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Tgt Ion: 75 Resp: 201761

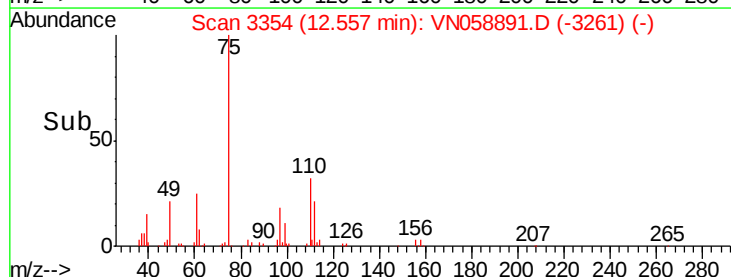
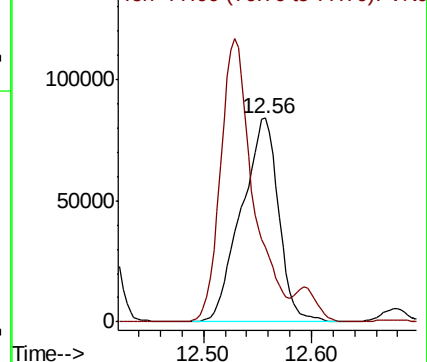
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 0.0   | 0.0   | 0.0   |

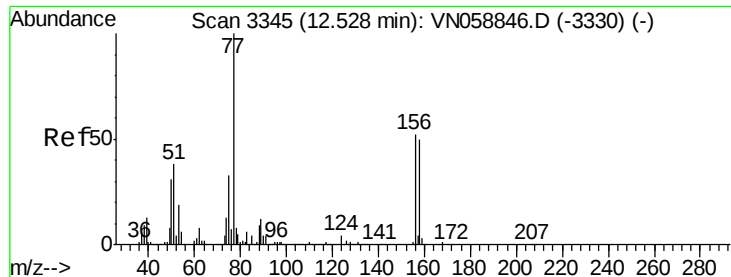


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.625 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

VN1021MBS01

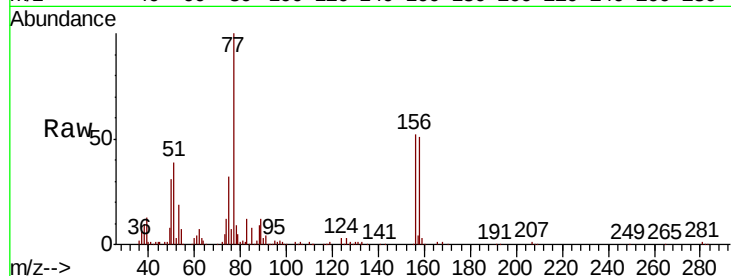
Tot Ion:156 Resp: 106107

Ion Ratio Lower Upper

156 100

77 232.0 118.0 354.0

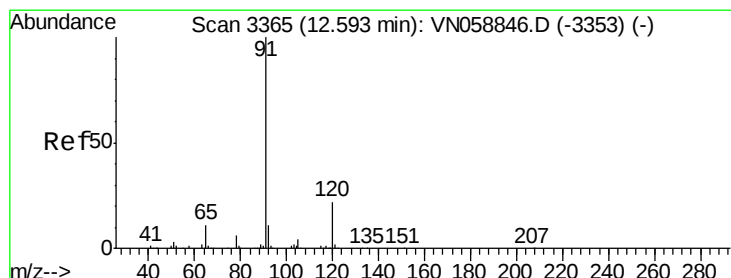
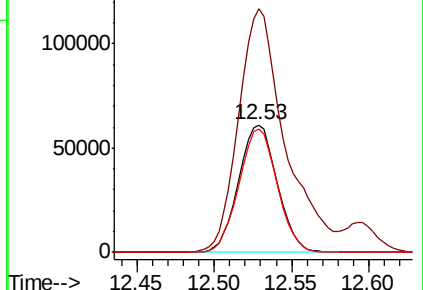
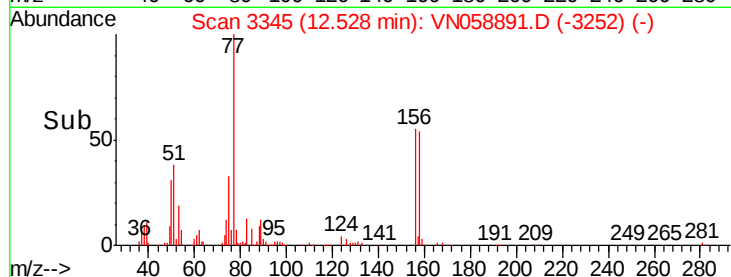
158 96.3 48.3 144.8



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: 21.152 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058891.D

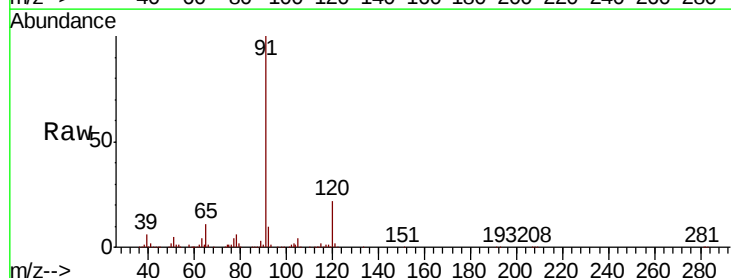
Acq: 21 Oct 2019 16:13

Tgt Ion: 91 Resp: 521853

Ion Ratio Lower Upper

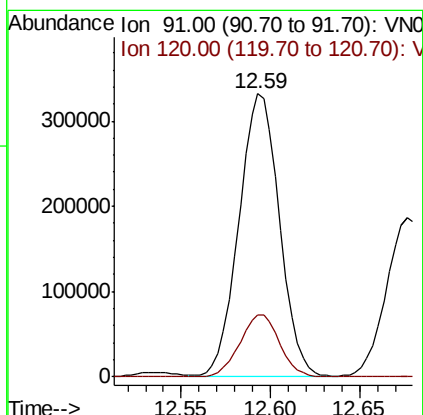
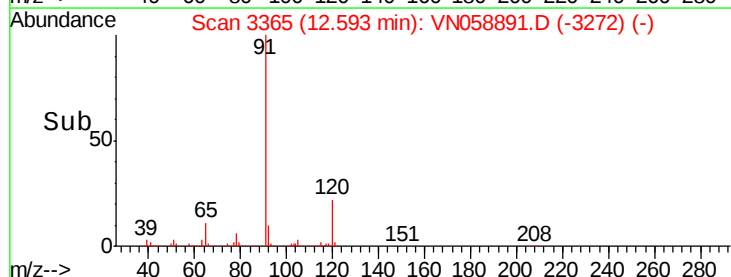
91 100

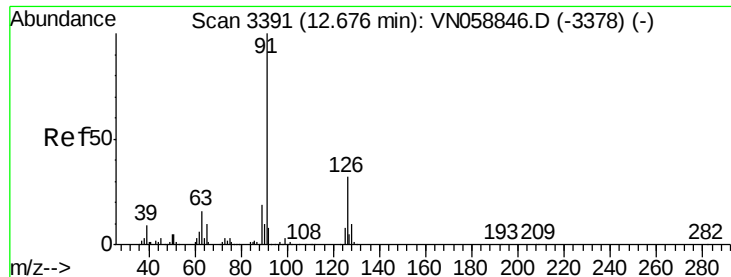
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

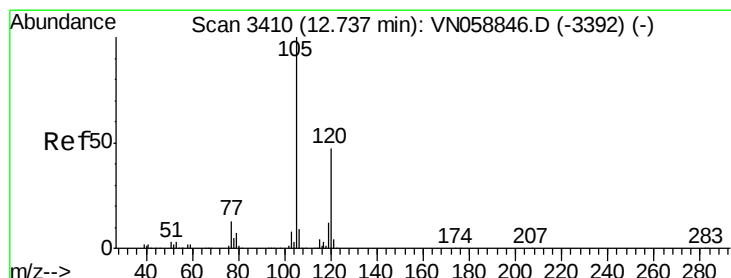
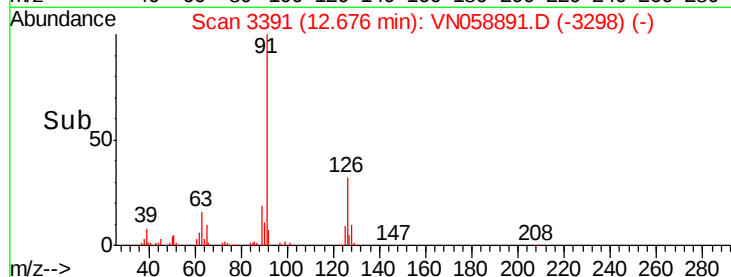
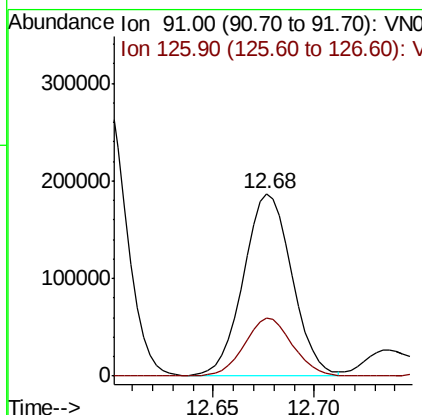
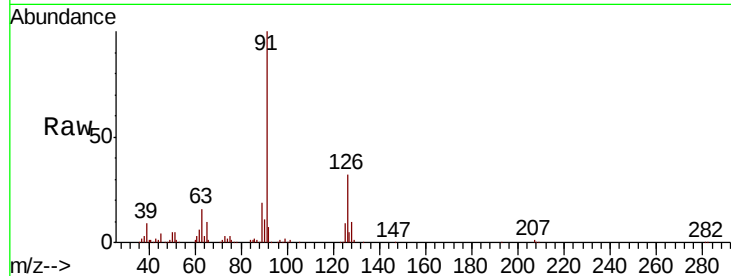




#79  
 2-Chlorotoluene  
 Concen: 20.626 ug/l  
 RT: 12.68 min Scan# 3391  
 Delta R.T. 0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

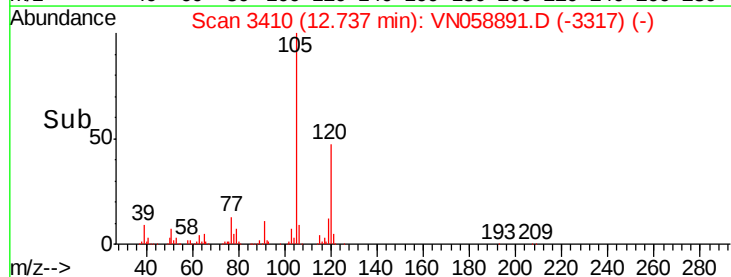
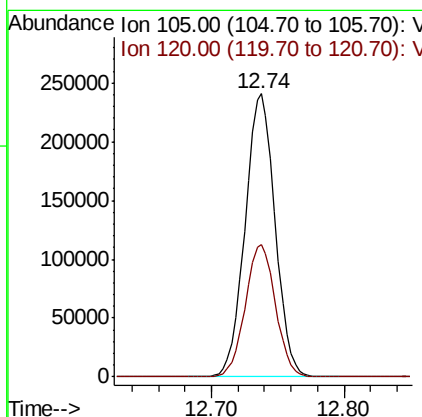
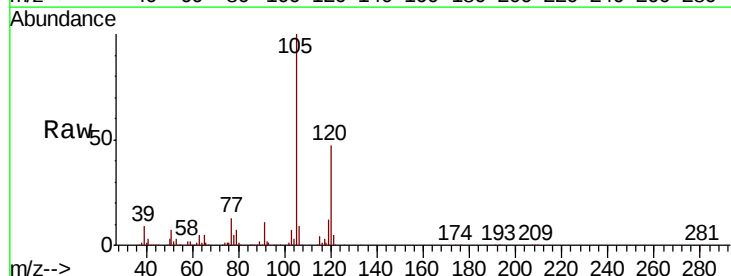
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1021MBS01

Tot Ion: 91 Resp: 311450  
 Ion Ratio Lower Upper  
 91 100  
 126 31.9 16.2 48.6



#80  
 1,3,5-Trimethylbenzene  
 Concen: 21.387 ug/l  
 RT: 12.74 min Scan# 3410  
 Delta R.T. 0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

Tgt Ion: 105 Resp: 375043  
 Ion Ratio Lower Upper  
 105 100  
 120 47.3 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.855 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

VN1021MBS01

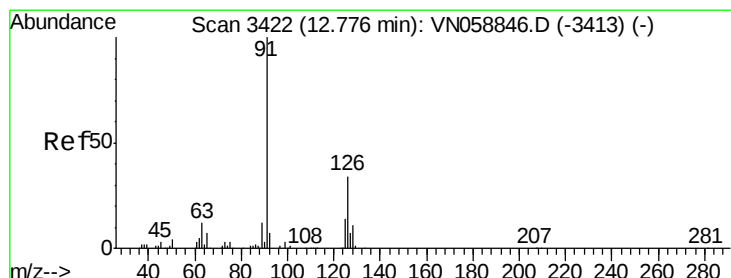
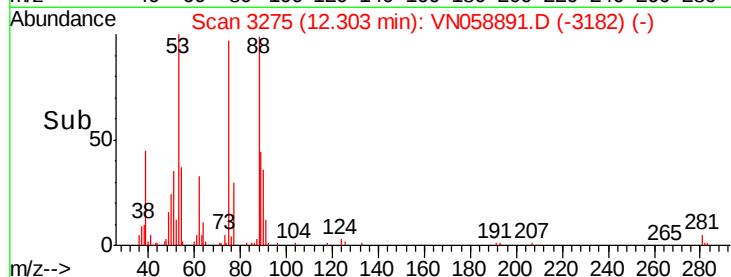
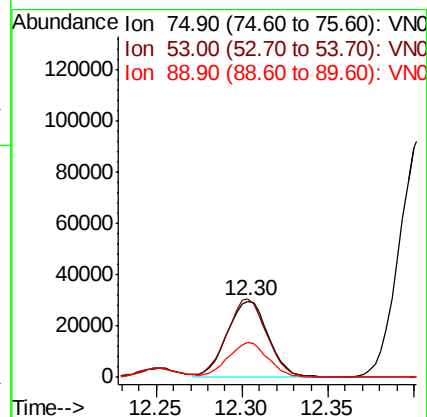
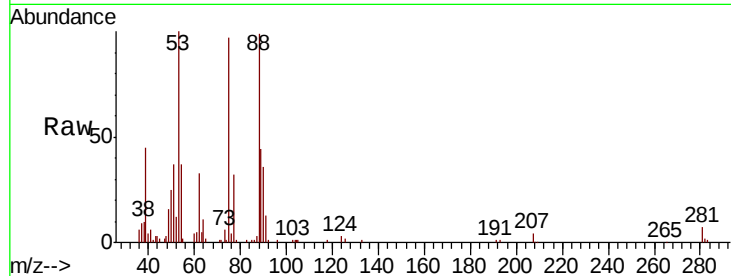
Tot Ion: 75 Resp: 50447

Ion Ratio Lower Upper

75 100

53 99.9 78.6 118.0

89 44.3 35.4 53.0



#82

4-Chlorotoluene

Concen: 20.686 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058891.D

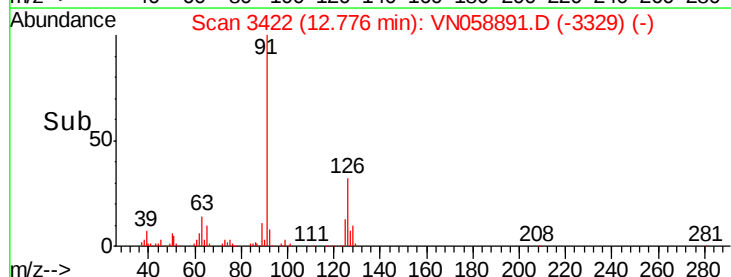
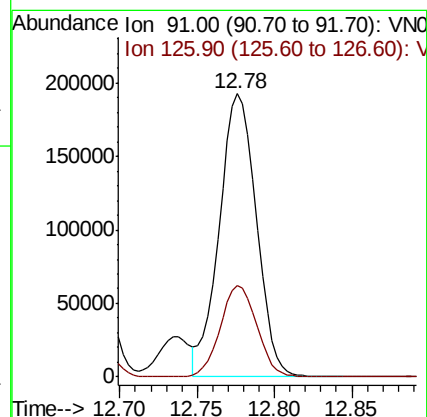
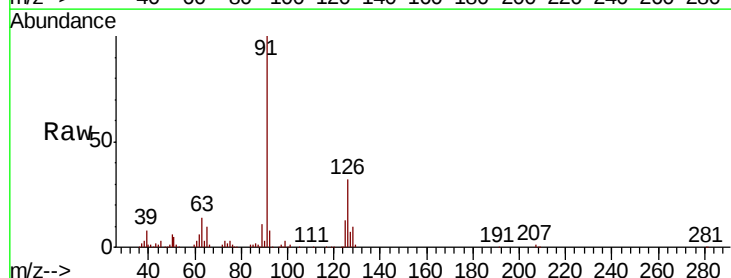
Acq: 21 Oct 2019 16:13

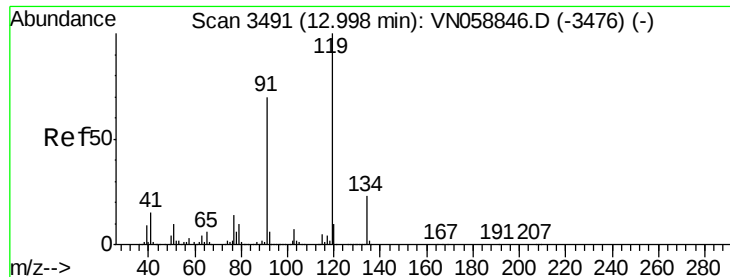
Tgt Ion: 91 Resp: 319203

Ion Ratio Lower Upper

91 100

126 32.0 16.0 47.9

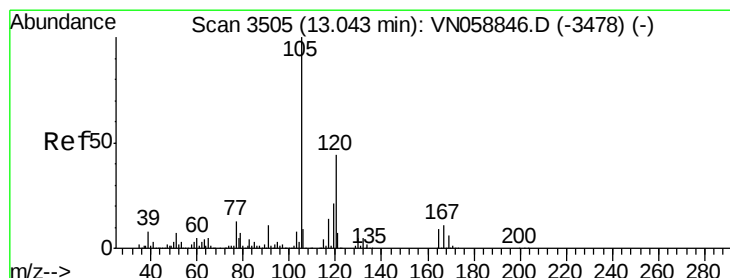
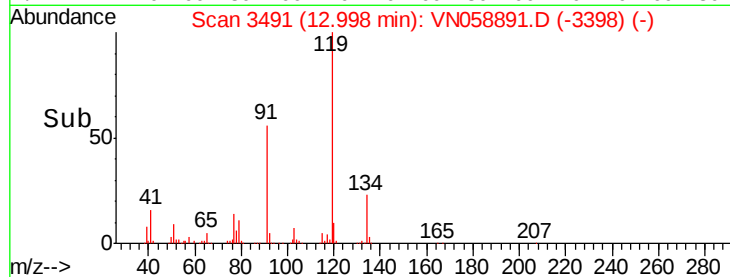
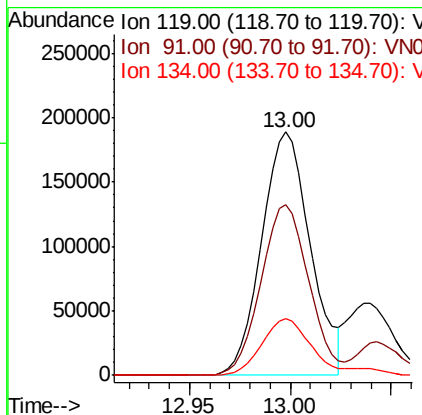
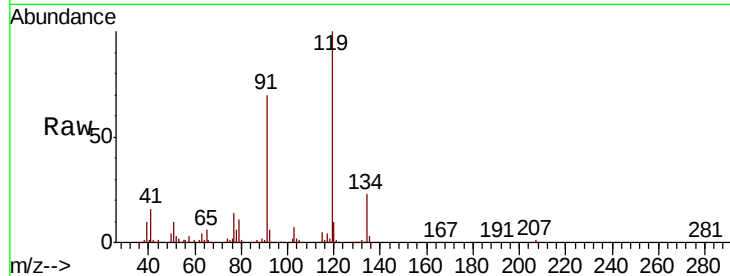




#83  
 tert-Butylbenzene  
 Concen: 21.187 ug/l  
 RT: 13.00 min Scan# 3491  
 Delta R.T. 0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

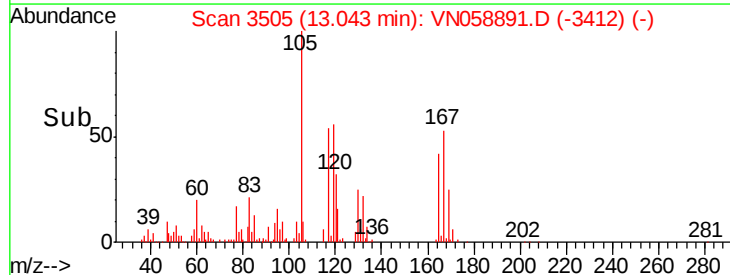
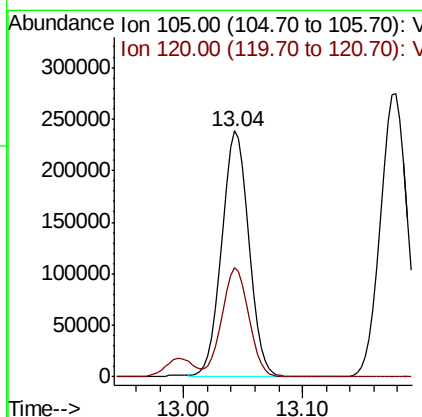
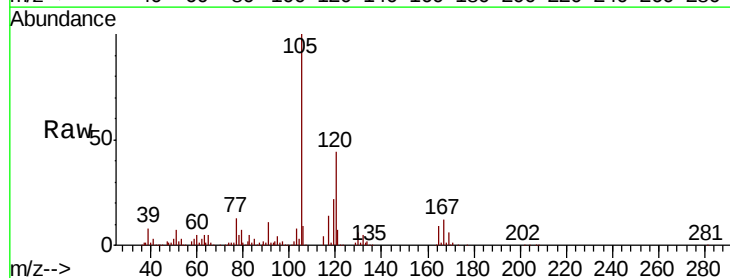
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1021MBS01

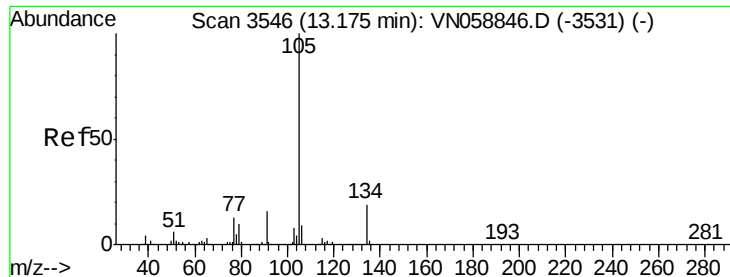
Tot Ion:119 Resp: 317713  
 Ion Ratio Lower Upper  
 119 100  
 91 68.8 34.1 102.3  
 134 23.5 11.6 34.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 21.739 ug/l  
 RT: 13.04 min Scan# 3505  
 Delta R.T. 0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

Tgt Ion:105 Resp: 376016  
 Ion Ratio Lower Upper  
 105 100  
 120 44.5 21.9 65.8





#85

sec-Butylbenzene

Concen: 21.639 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

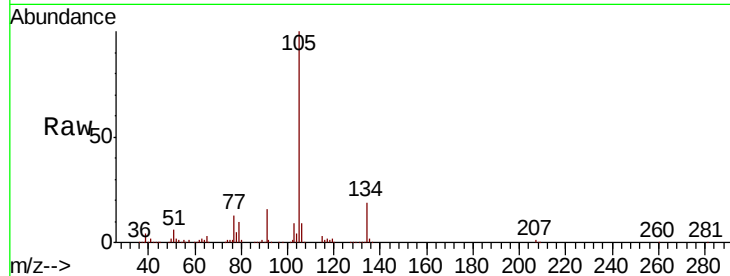
VN1021MBS01

Tot Ion:105 Resp: 432634

Ion Ratio Lower Upper

105 100

134 19.0 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

250000

200000

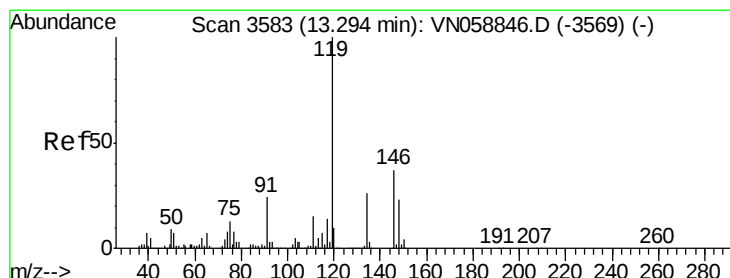
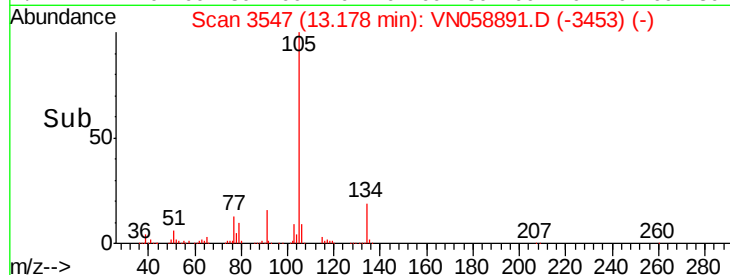
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 21.455 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

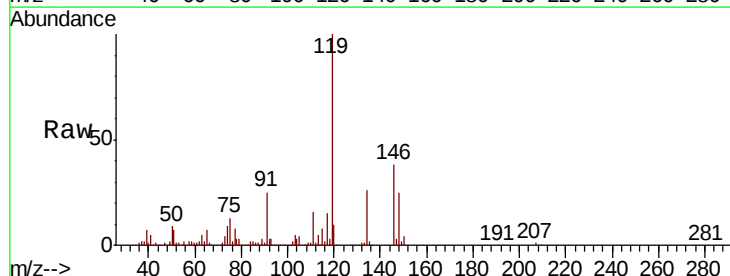
Tgt Ion:119 Resp: 378477

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 25.0 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

13.29

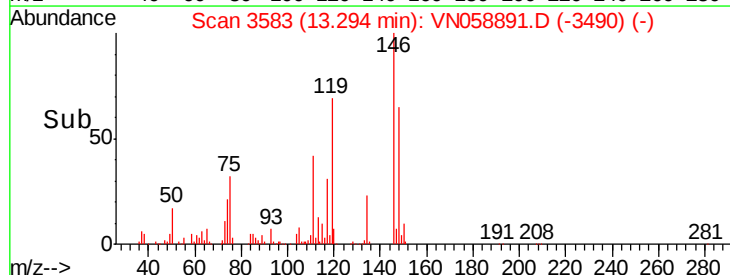
300000

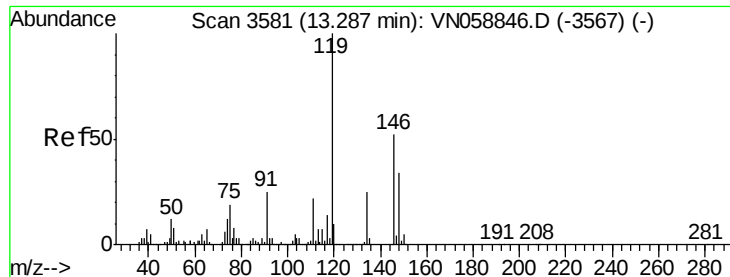
200000

100000

0

Time--> 13.25 13.30 13.35

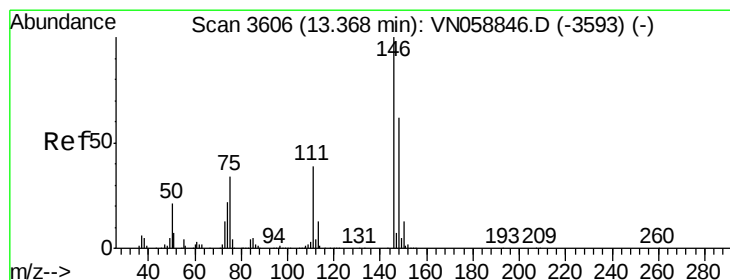
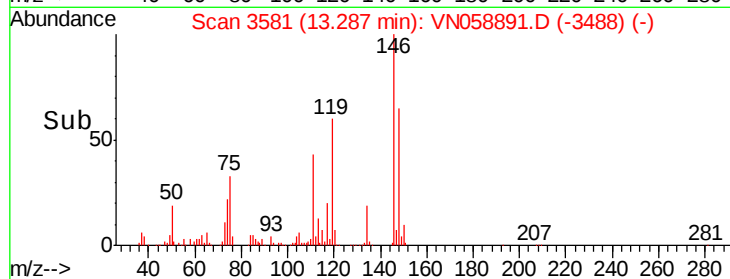
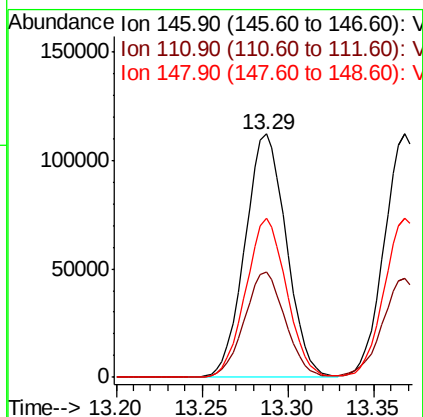
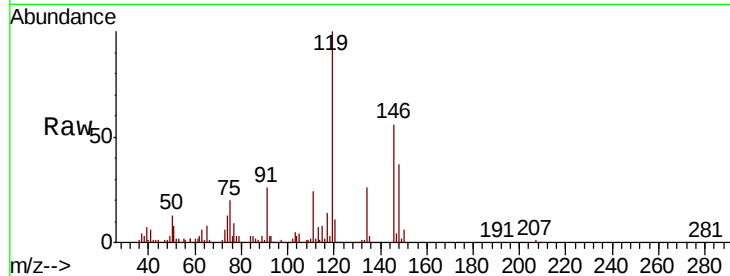




#87  
 1,3-Dichlorobenzene  
 Concen: 20.296 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

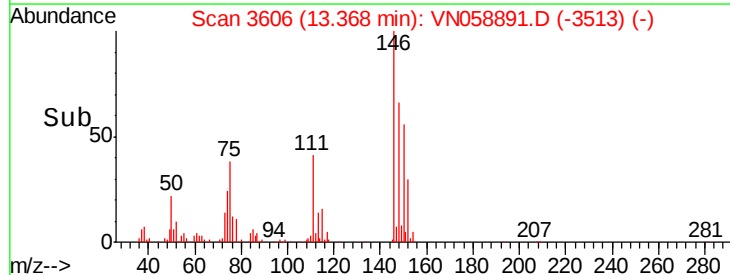
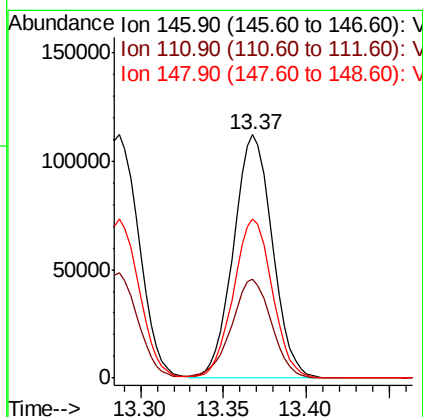
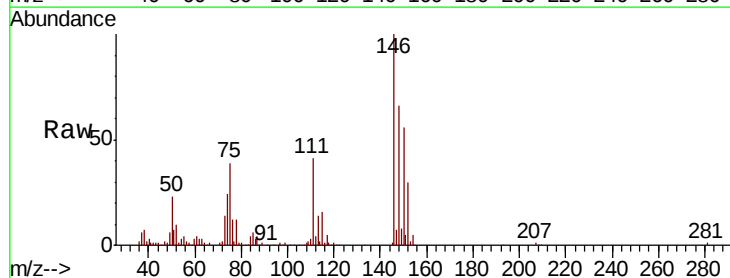
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN1021MBS01

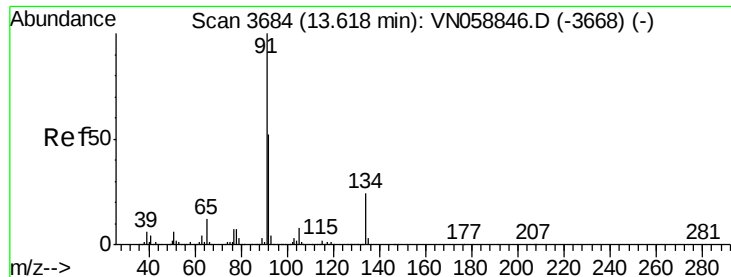
Tot Ion:146 Resp: 186701  
 Ion Ratio Lower Upper  
 146 100  
 111 42.8 21.0 63.0  
 148 64.4 32.1 96.3



#88  
 1,4-Dichlorobenzene  
 Concen: 19.852 ug/l  
 RT: 13.37 min Scan# 3606  
 Delta R.T. 0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

Tgt Ion:146 Resp: 182829  
 Ion Ratio Lower Upper  
 146 100  
 111 41.9 20.2 60.6  
 148 65.6 31.6 94.7





#89

n-Butylbenzene

Concen: 20.583 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA\_N

ClientSampleId :

VN1021MBS01

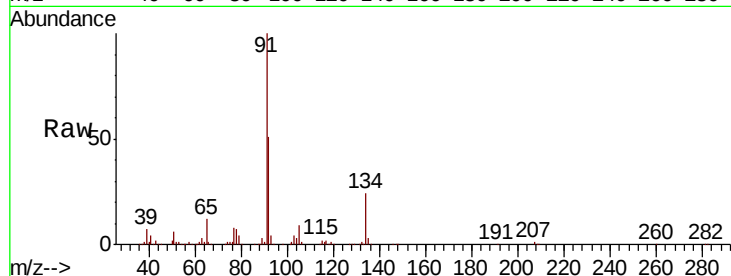
Tot Ion: 91 Resp: 333552

Ion Ratio Lower Upper

91 100

92 51.3 25.7 77.1

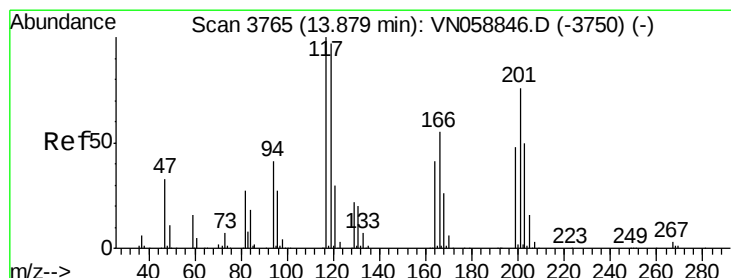
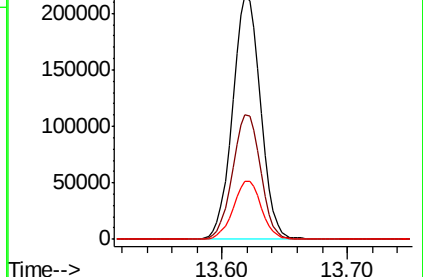
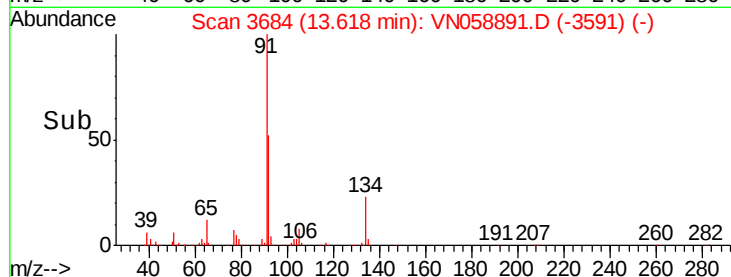
134 24.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN058891.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN058891.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN058891.D (-3591) (-)



#90

Hexachloroethane

Concen: 20.337 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058891.D

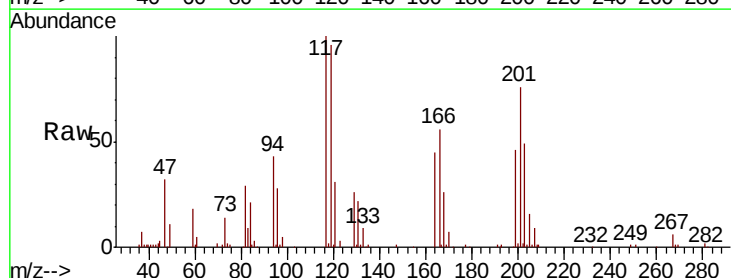
Acq: 21 Oct 2019 16:13

Tgt Ion: 117 Resp: 72697

Ion Ratio Lower Upper

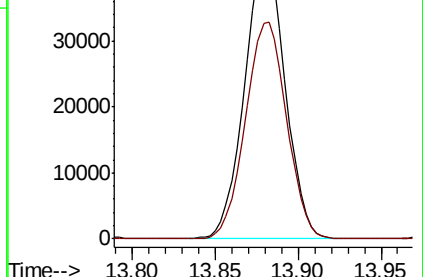
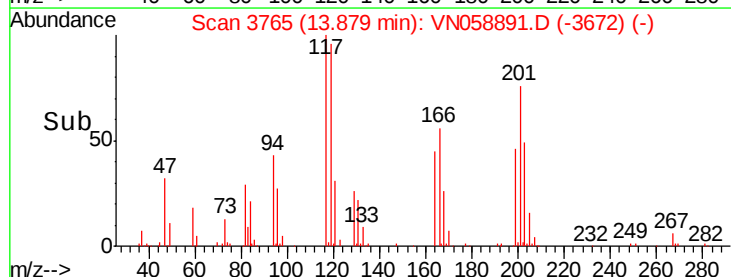
117 100

201 77.8 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058891.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN058891.D (-3672) (-)

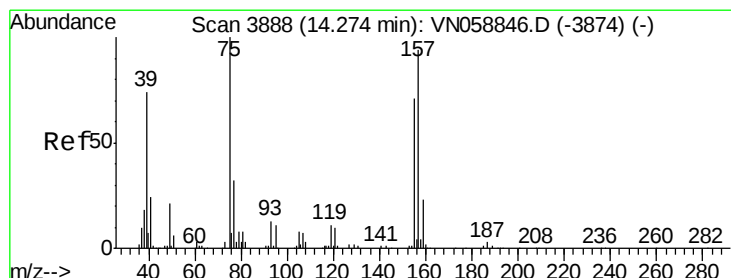
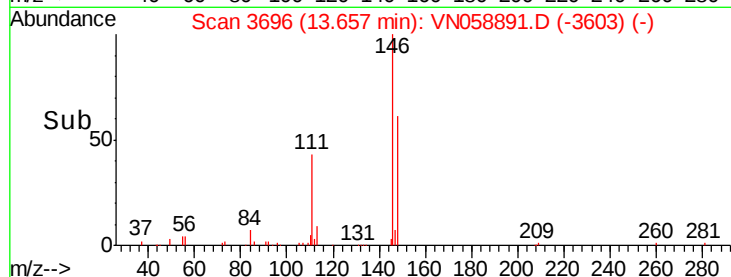
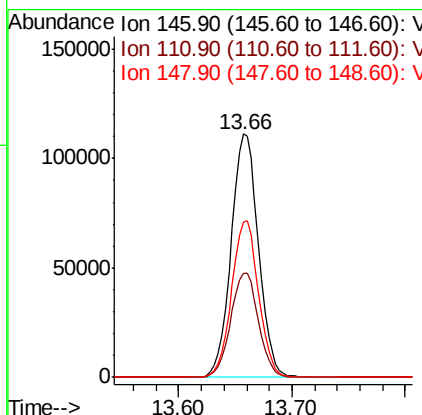
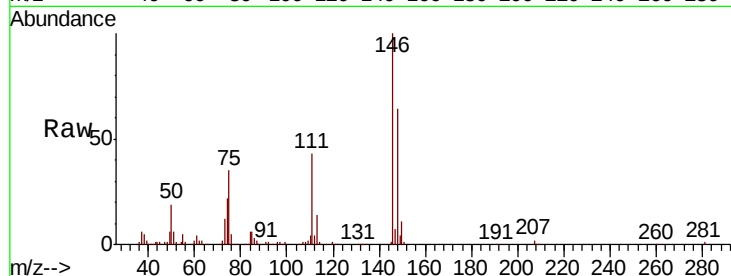




#91  
 1,2-Dichlorobenzene  
 Concen: 20.629 ug/l  
 RT: 13.66 min Scan# 3696  
 Delta R.T. 0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

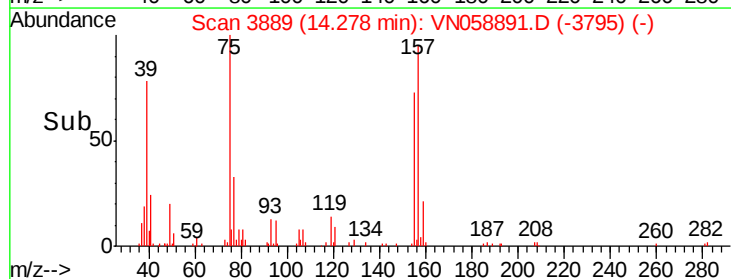
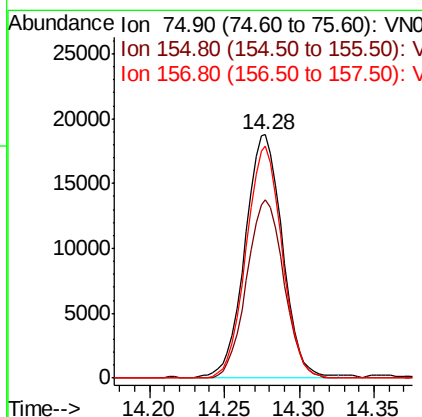
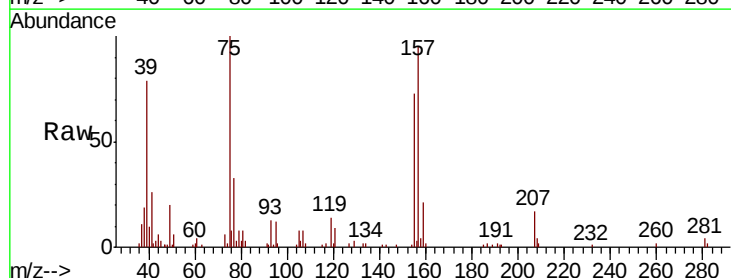
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1021MBS01

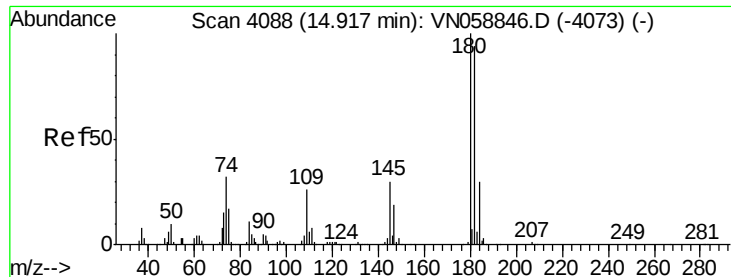
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.6  | 21.6  | 64.8  |
| 148     | 63.3  | 31.9  | 95.9  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.770 ug/l  
 RT: 14.28 min Scan# 3889  
 Delta R.T. 0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 72.1  | 35.6  | 106.8 |
| 157     | 91.1  | 47.4  | 142.2 |

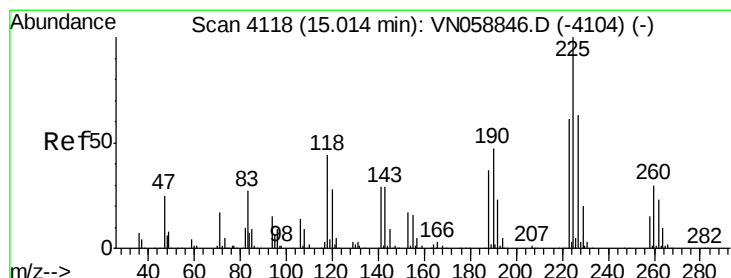
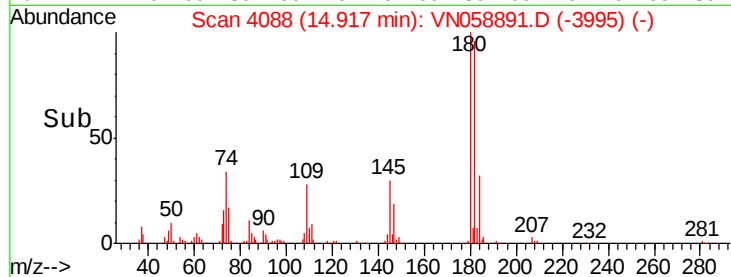
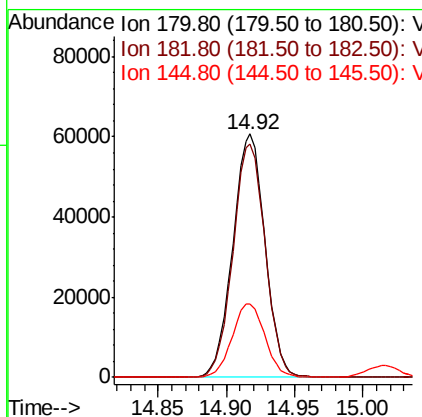
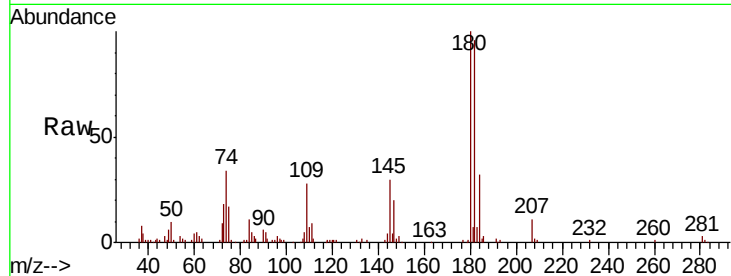




#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.100 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. 0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

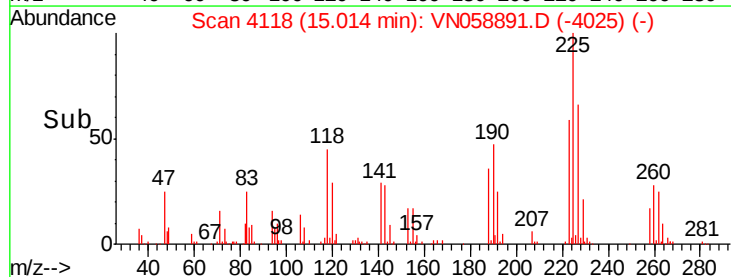
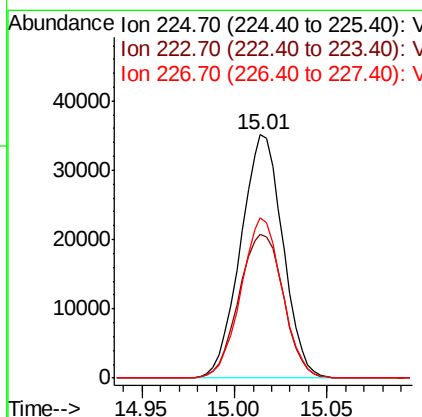
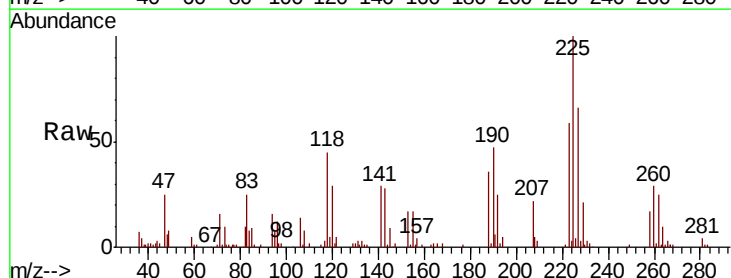
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1021MBS01

Tot Ion:180 Resp: 99376  
 Ion Ratio Lower Upper  
 180 100  
 182 95.8 47.3 142.0  
 145 30.7 15.3 45.8



#94  
 Hexachlorobutadiene  
 Concen: 19.030 ug/l  
 RT: 15.01 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN058891.D  
 Acq: 21 Oct 2019 16:13

Tgt Ion:225 Resp: 55765  
 Ion Ratio Lower Upper  
 225 100  
 223 62.4 30.9 92.5  
 227 64.1 31.6 94.7





#95

Naphthalene

Concen: 19.009 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

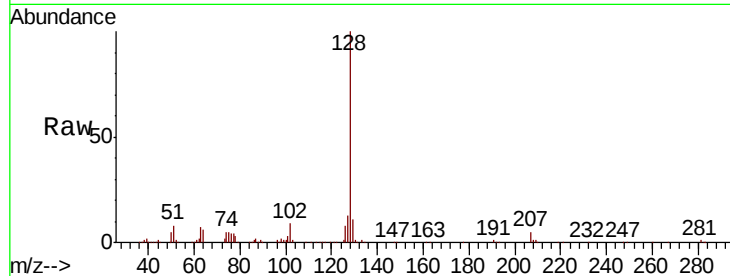
MSVOA\_N

ClientSampleId :

VN1021MBS01

Tot Ion:128 Resp: 287342

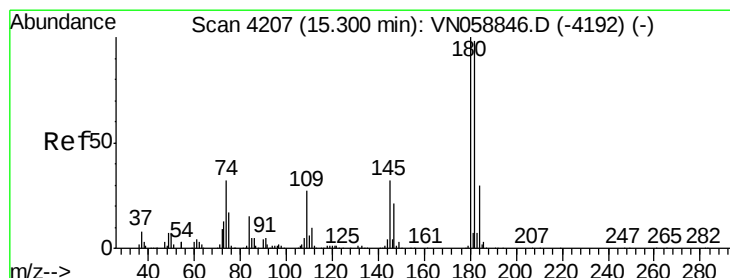
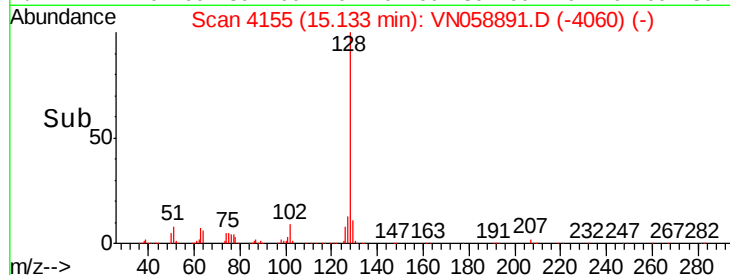
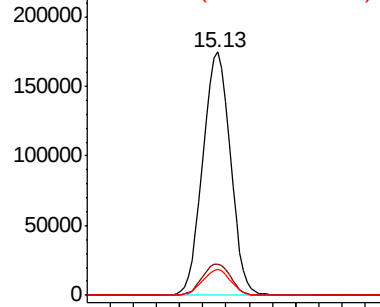
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.2  | 10.2  | 15.2  |
| 129 | 10.7  | 8.4   | 12.6  |



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.723 ug/l

RT: 15.30 min Scan# 4207

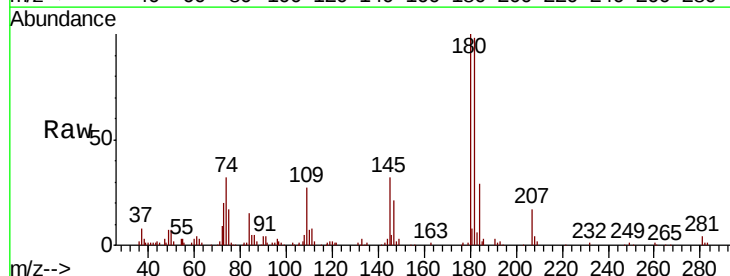
Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Tgt Ion:180 Resp: 100848

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.1  | 47.9  | 143.7 |
| 145 | 31.6  | 15.9  | 47.7  |



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

