

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\  
 Data File : VD064088.D  
 Acq On : 29 Oct 2019 14:32  
 Operator : VA/SY  
 Sample : VSTDICC150  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Oct 30 07:39:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D102919S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 07:33:28 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 279768   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 408480   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 430999   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 218709   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.34   | 65  | 325492   | 146.29 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 292.58% |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 364948   | 145.22 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 290.44% |      |
| 50) Toluene-d8            | 10.34  | 98  | 1571455  | 156.36 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 312.72% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 529352   | 158.87 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 317.74% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 371840  | 130.161 | ug/l   | 100    |
| 3) Chloromethane              | 2.21 | 50  | 568675  | 119.308 | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.35 | 62  | 630637  | 122.007 | ug/l   | 98     |
| 5) Bromomethane               | 2.74 | 94  | 434916  | 129.111 | ug/l   | 97     |
| 6) Chloroethane               | 2.91 | 64  | 397929  | 123.949 | ug/l   | 93     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 864070  | 121.434 | ug/l   | 98     |
| 8) Diethyl Ether              | 3.71 | 74  | 165183  | 133.554 | ug/l   | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.08 | 101 | 326698  | 127.405 | ug/l   | 100    |
| 10) Methyl Iodide             | 4.29 | 142 | 484056  | 152.365 | ug/l   | 100    |
| 11) Tert butyl alcohol        | 5.25 | 59  | 95115   | 507.128 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 325177  | 133.991 | ug/l   | 89     |
| 13) Acrolein                  | 3.92 | 56  | 99963   | 704.605 | ug/l   | 96     |
| 14) Allyl chloride            | 4.71 | 41  | 414333  | 145.868 | ug/l   | 98     |
| 15) Acrylonitrile             | 5.43 | 53  | 341376  | 747.216 | ug/l   | 99     |
| 16) Acetone                   | 4.16 | 43  | 317352  | 749.619 | ug/l   | 92     |
| 17) Carbon Disulfide          | 4.40 | 76  | 1062345 | 142.447 | ug/l   | 98     |
| 18) Methyl Acetate            | 4.73 | 43  | 165477  | 146.946 | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.49 | 73  | 710506  | 144.278 | ug/l # | 90     |
| 20) Methylene Chloride        | 4.97 | 84  | 373444  | 123.457 | ug/l   | 93     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 377722  | 138.650 | ug/l   | 97     |
| 22) Diisopropyl ether         | 6.37 | 45  | 948209  | 150.731 | ug/l   | 95     |
| 23) Vinyl Acetate             | 6.31 | 43  | 2707499 | 768.902 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 568906  | 133.923 | ug/l   | 98     |
| 25) 2-Butanone                | 7.23 | 43  | 446845  | 763.488 | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 542465  | 134.545 | ug/l   | 96     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 429350  | 140.846 | ug/l   | 99     |
| 28) Bromochloromethane        | 7.55 | 49  | 252374  | 162.872 | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 270228  | 791.129 | ug/l   | 98     |
| 30) Chloroform                | 7.71 | 83  | 664249  | 136.651 | ug/l   | 95     |
| 31) Cyclohexane               | 7.98 | 56  | 542517  | 131.088 | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 613748  | 135.639 | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 530707  | 138.653 | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.30 | 43  | 178265  | 151.312 | ug/l # | 95     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 575797  | 137.878 | ug/l   | 94     |

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 Operator : VA/SY  
 Sample : VSTDICC150  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Oct 30 07:39:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D102919S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 07:33:28 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 692129   | 147.306  | ug/l   | 95       |
| 40) Benzene                    | 8.36  | 78   | 1523377  | 145.950  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.57  | 41   | 257183   | 321.677  | ug/l # | 26       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 390331   | 141.572  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 363889   | 152.834  | ug/l   | 99       |
| 44) Trichloroethene            | 9.11  | 130  | 451438   | 142.699  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 351281   | 145.221  | ug/l   | 99       |
| 46) Dibromomethane             | 9.48  | 93   | 210685   | 144.618  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.67  | 83   | 539569   | 146.811  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.46  | 41   | 172249   | 156.442  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 52968    | 3176.300 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 1055968  | 814.673  | ug/l   | 98       |
| 52) Toluene                    | 10.41 | 92   | 1127418  | 154.130  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 540038   | 157.411  | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene    | 10.10 | 75   | 621574   | 153.996  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.81 | 97   | 303406   | 146.892  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 394300   | 175.807  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 512804   | 150.119  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 705563   | 779.708  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.99 | 43   | 773877   | 837.750  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.14 | 129  | 422334   | 150.647  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 316706   | 153.307  | ug/l   | 97       |
| 64) Tetrachloroethene          | 10.88 | 164  | 423861   | 136.892  | ug/l   | 96       |
| 65) Chlorobenzene              | 11.67 | 112  | 1268767  | 142.471  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 473766   | 142.176  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.75 | 91   | 2387907  | 150.754  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.86 | 106  | 1877195  | 294.640  | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 864878   | 148.745  | ug/l   | 99       |
| 70) Styrene                    | 12.20 | 104  | 1490201  | 148.601  | ug/l   | 98       |
| 71) Bromoform                  | 12.37 | 173  | 253919   | 142.680  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.48 | 105  | 2335379  | 153.663  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.29 | 43   | 412800   | 163.494  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 362617   | 151.371  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 472585   | 174.155  | ug/l # | 100      |
| 77) Bromobenzene               | 12.77 | 156  | 538549   | 146.764  | ug/l   | 95       |
| 78) n-propylbenzene            | 12.83 | 91   | 2755033  | 154.686  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 1459740  | 152.896  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 1931317  | 151.838  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 121503   | 168.849  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 1517005  | 148.704  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 1727723  | 151.230  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 1977139  | 154.734  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 2388260  | 152.226  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 2282836  | 154.863  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 1084212  | 147.440  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 1041112  | 143.621  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.85 | 91   | 2051822  | 150.908  | ug/l   | 97       |
| 90) Hexachloroethane           | 14.12 | 117  | 420175   | 152.245  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 886756   | 140.120  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 50733    | 145.010  | ug/l   | 99       |

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Data File : VD064088.D  
Acq On : 29 Oct 2019 14:32  
Operator : VA/SY  
Sample : VSTDICC150  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

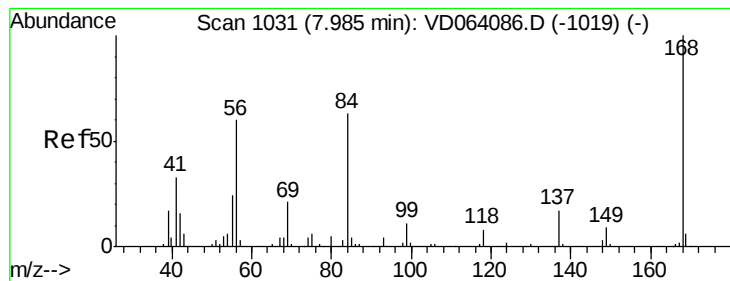
Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Oct 30 07:39:36 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D102919S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 30 07:33:28 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 670225   | 147.332 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.27 | 225  | 381672   | 143.555 | ug/l  | 99       |
| 95) Naphthalene            | 15.41 | 128  | 1191977  | 160.665 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 575294   | 146.002 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

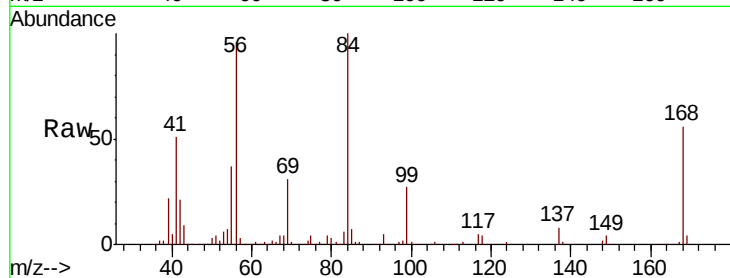
Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion:168 Resp: 279768

Ion Ratio Lower Upper

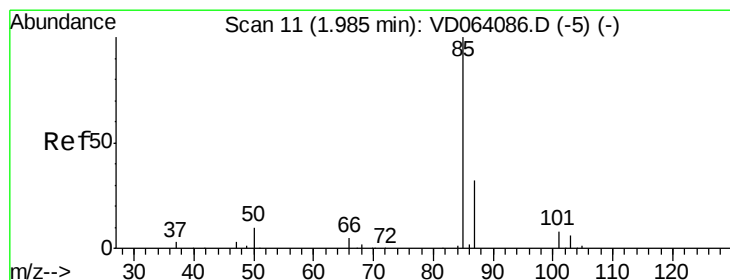
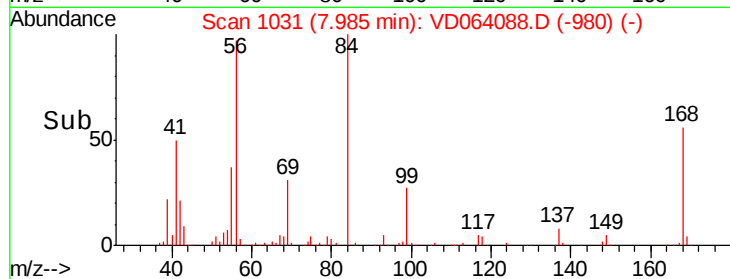
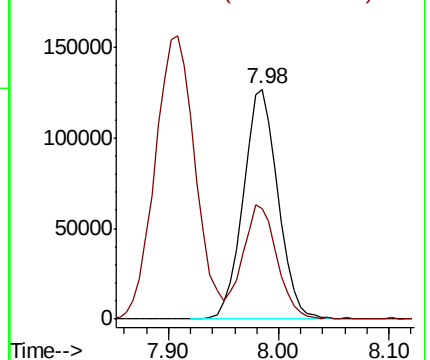
168 100

99 47.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 130.161 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD064088.D

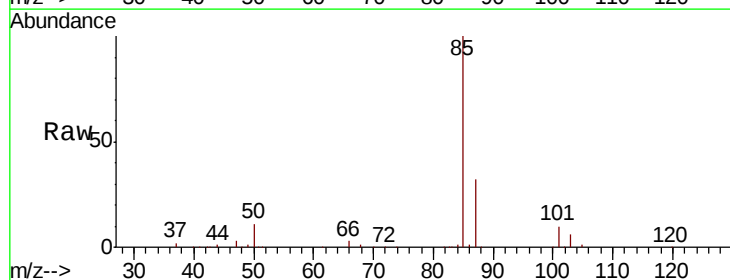
Acq: 29 Oct 2019 14:32

Tgt Ion: 85 Resp: 371840

Ion Ratio Lower Upper

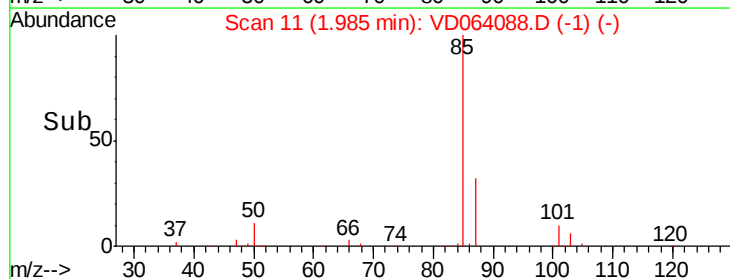
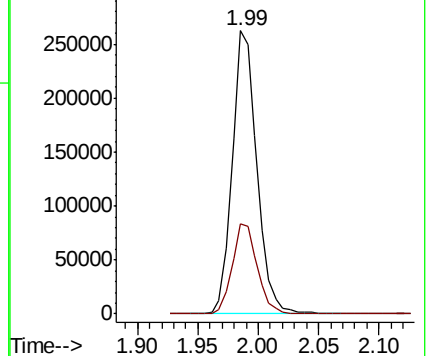
85 100

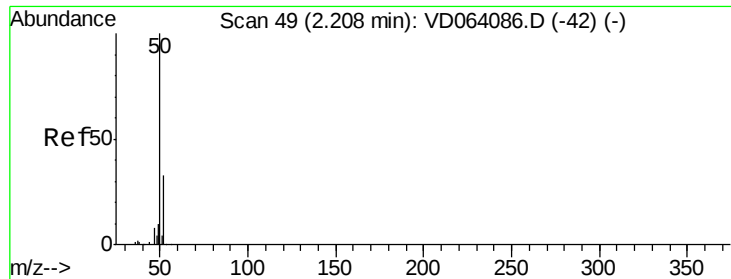
87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

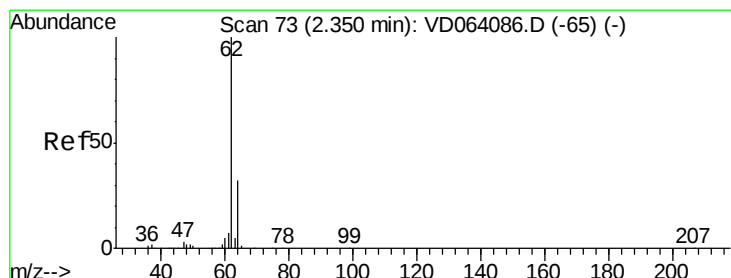
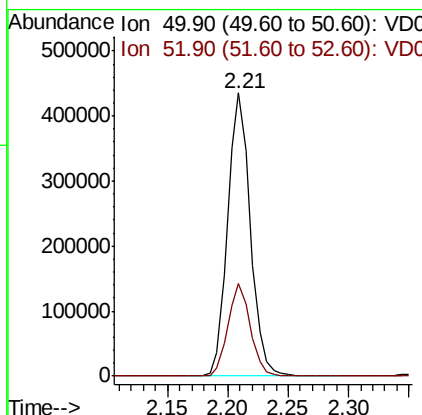
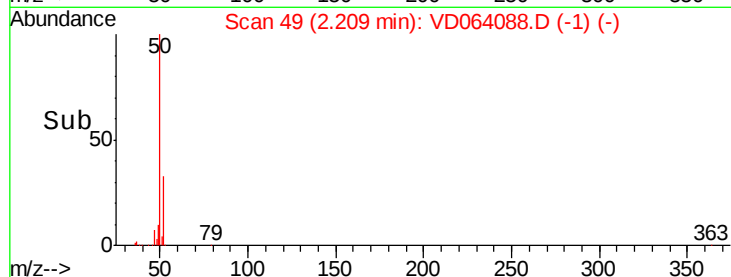
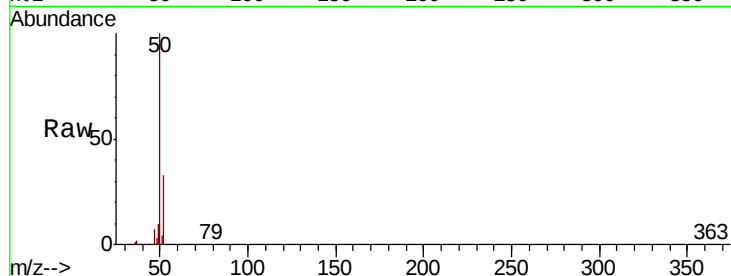




#3  
Chloromethane  
Concen: 119.308 ug/l  
RT: 2.21 min Scan# 49  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

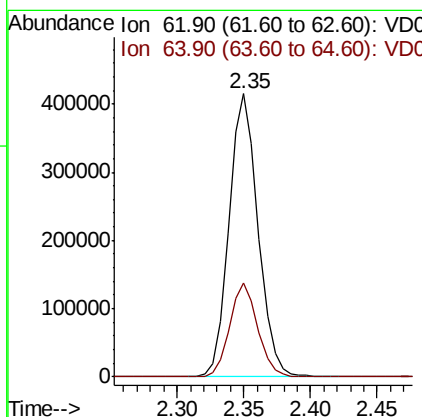
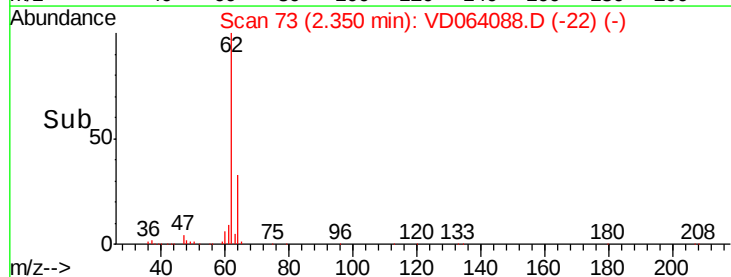
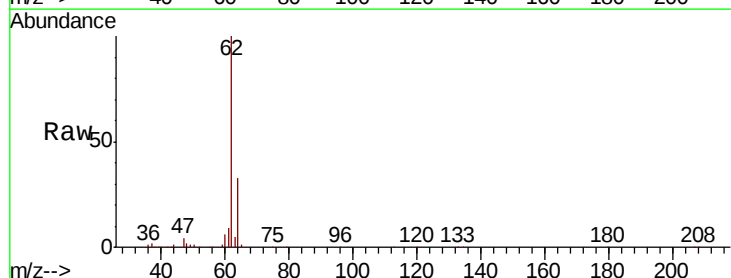
Instrument :  
MSVOA\_D  
ClientSampleId :

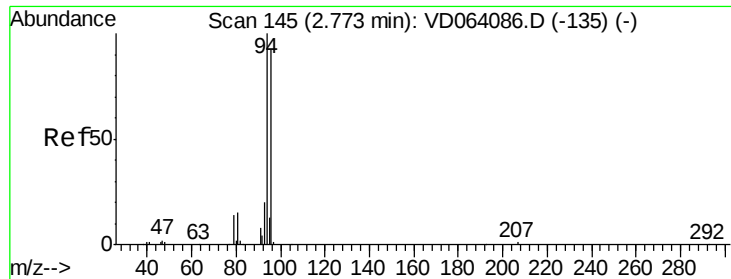
Tot Ion: 50 Resp: 568675  
Ion Ratio Lower Upper  
50 100  
52 32.8 26.5 39.7



#4  
Vinyl Chloride  
Concen: 122.007 ug/l  
RT: 2.35 min Scan# 73  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Tgt Ion: 62 Resp: 630637  
Ion Ratio Lower Upper  
62 100  
64 33.3 25.6 38.4





#5

Bromomethane

Concen: 129.111 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.03 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

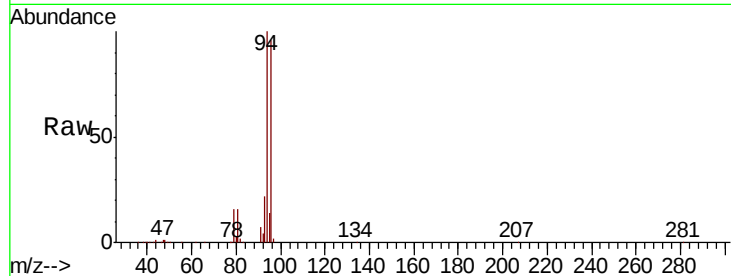
ClientSampled :

Tot Ion: 94 Resp: 434916

Ion Ratio Lower Upper

94 100

96 95.5 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.74

200000

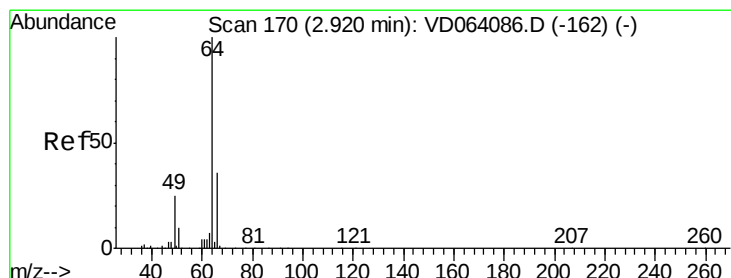
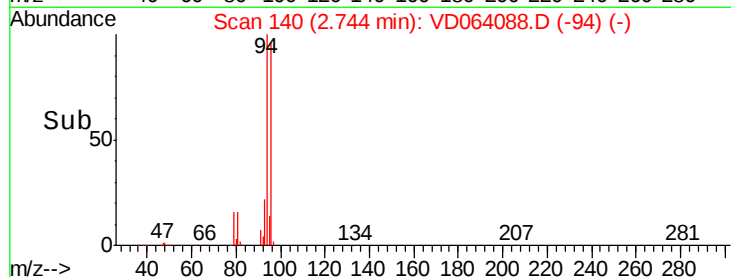
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 123.949 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064088.D

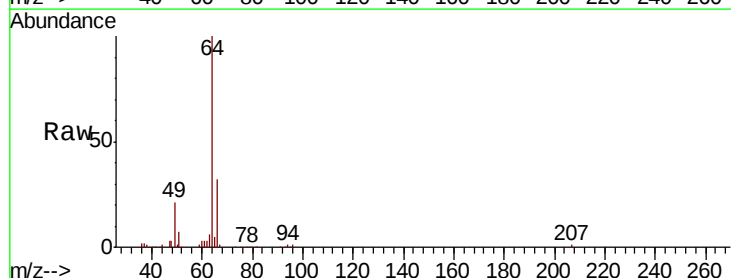
Acq: 29 Oct 2019 14:32

Tgt Ion: 64 Resp: 397929

Ion Ratio Lower Upper

64 100

66 31.8 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

200000

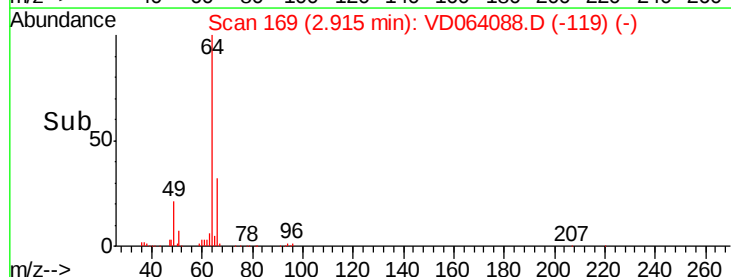
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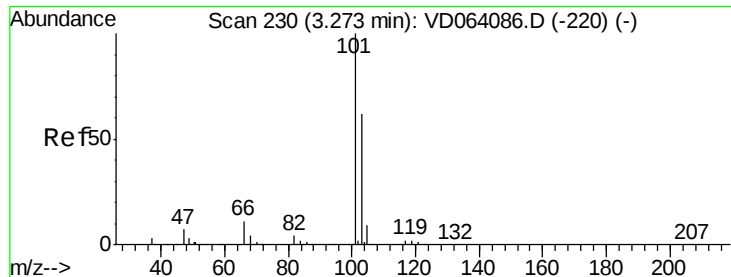
100000

50000

0

Time-->



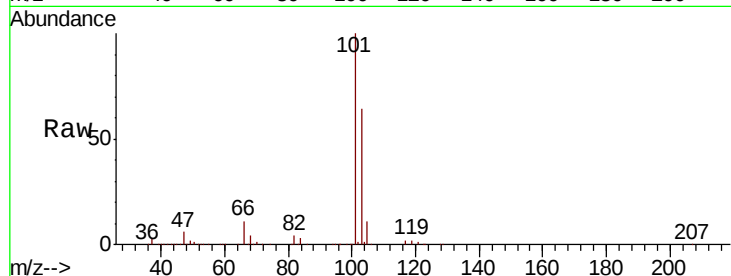


#7

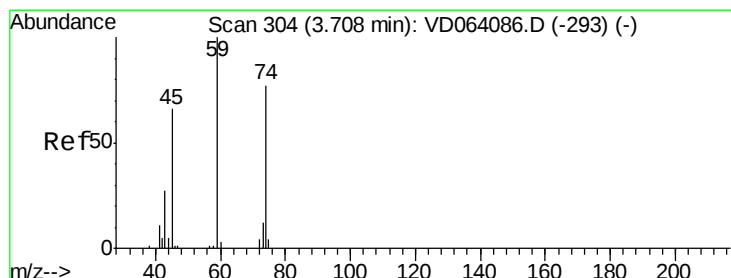
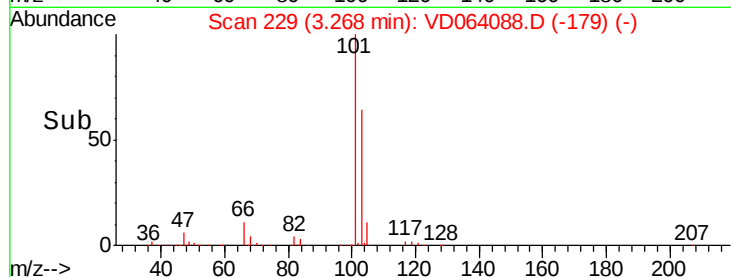
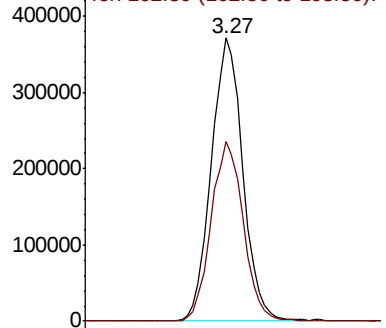
Trichlorofluoromethane  
Concen: 121.434 ug/l  
RT: 3.27 min Scan# 229  
Delta R.T. -0.01 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:101 Resp: 864070  
Ion Ratio Lower Upper  
101 100  
103 63.6 49.6 74.4



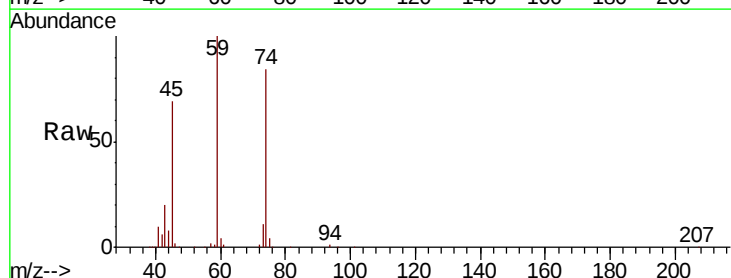
Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 102.80 (102.50 to 103.50): V



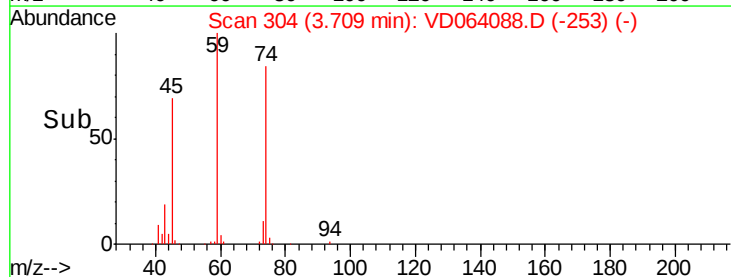
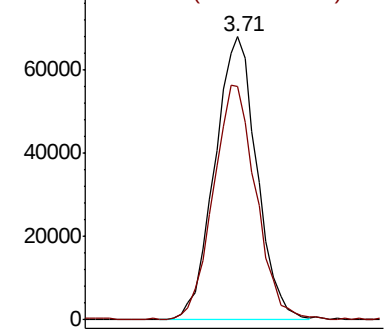
#8

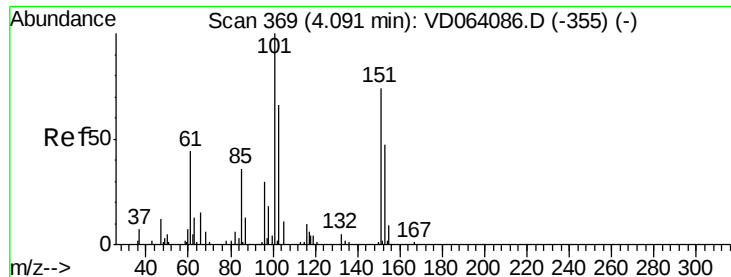
Diethyl Ether  
Concen: 133.554 ug/l  
RT: 3.71 min Scan# 304  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Tgt Ion: 74 Resp: 165183  
Ion Ratio Lower Upper  
74 100  
45 84.1 44.1 132.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 127.405 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

ClientSampleId :

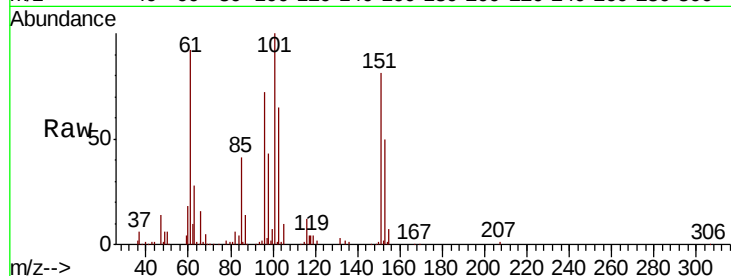
Tot Ion:101 Resp: 326698

Ion Ratio Lower Upper

101 100

85 43.7 35.3 52.9

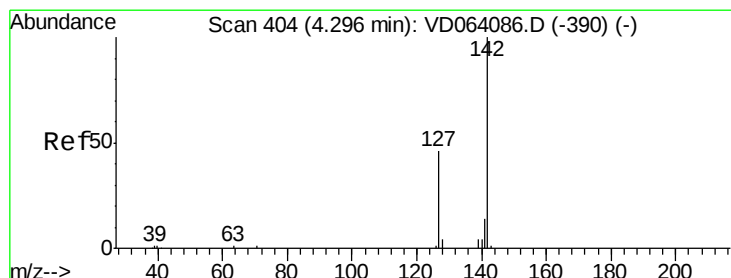
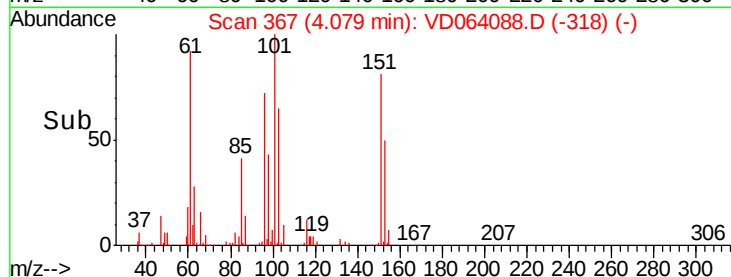
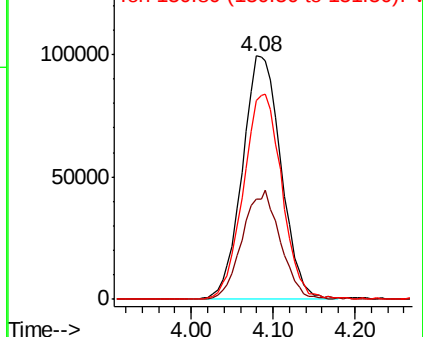
151 83.9 67.0 100.6



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: 152.365 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

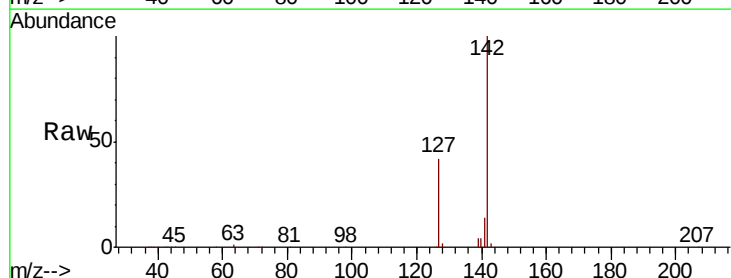
Tgt Ion:142 Resp: 484056

Ion Ratio Lower Upper

142 100

127 44.0 35.1 52.7

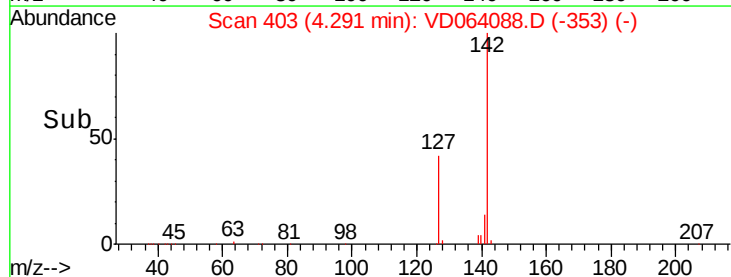
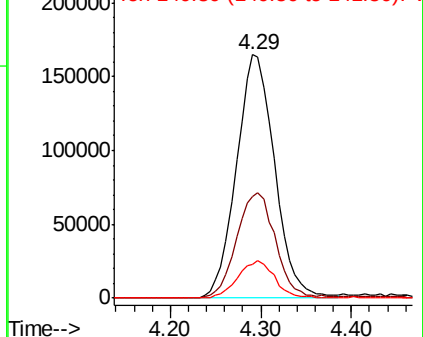
141 14.8 11.6 17.4

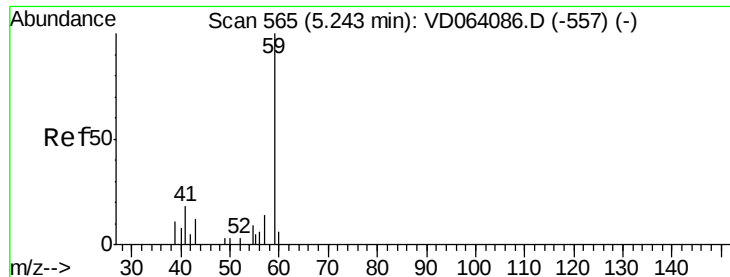


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



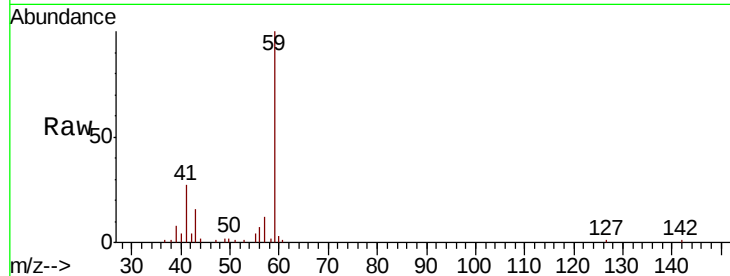


#11

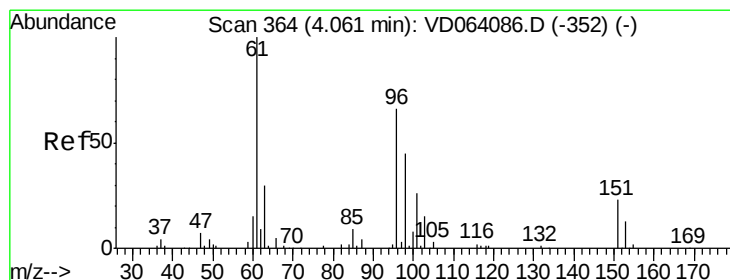
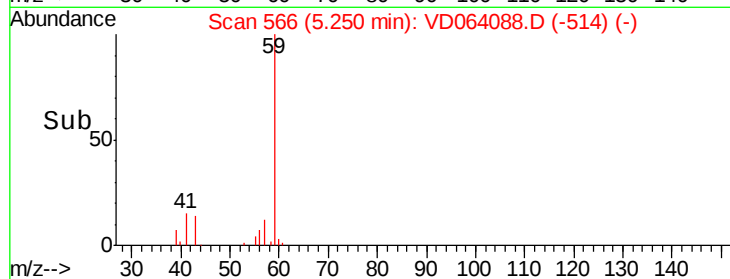
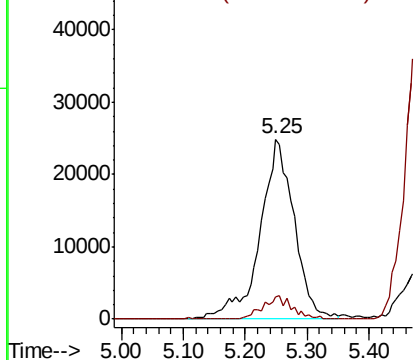
Tert butyl alcohol  
 Concen: 507.128 ug/l  
 RT: 5.25 min Scan# 566  
 Delta R.T. 0.01 min  
 Lab File: VD064088.D  
 Acq: 29 Oct 2019 14:32

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion: 59 Resp: 95115  
 Ion Ratio Lower Upper  
 59 100  
 57 11.0 8.7 13.1



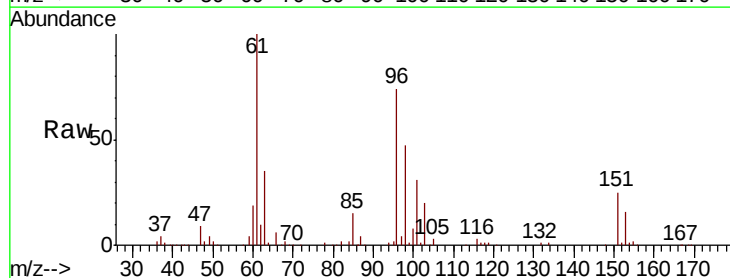
Abundance Ion 59.00 (58.70 to 59.70): VDC  
 Ion 57.00 (56.70 to 57.70): VDC



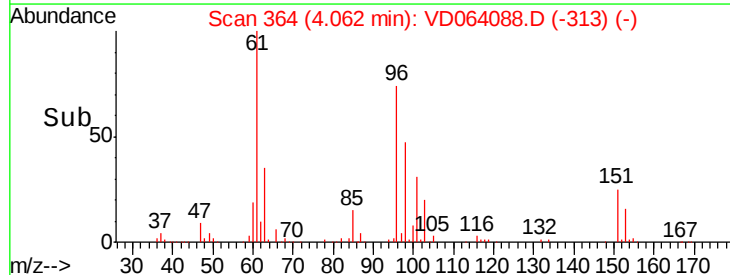
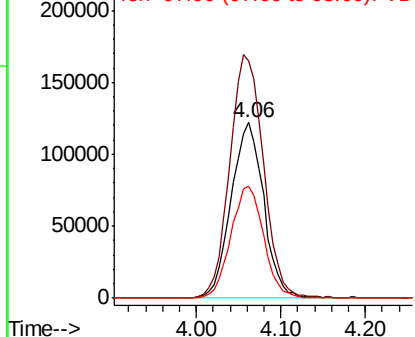
#12

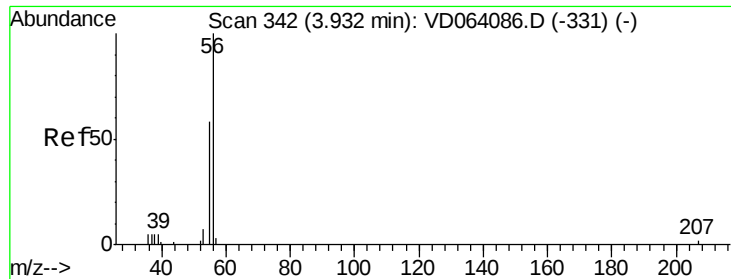
1,1-Dichloroethene  
 Concen: 133.991 ug/l  
 RT: 4.06 min Scan# 364  
 Delta R.T. 0.00 min  
 Lab File: VD064088.D  
 Acq: 29 Oct 2019 14:32

Tgt Ion: 96 Resp: 325177  
 Ion Ratio Lower Upper  
 96 100  
 61 135.1 121.8 182.6  
 98 63.9 55.4 83.0



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





#13

Acrolein

Concen: 704.605 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

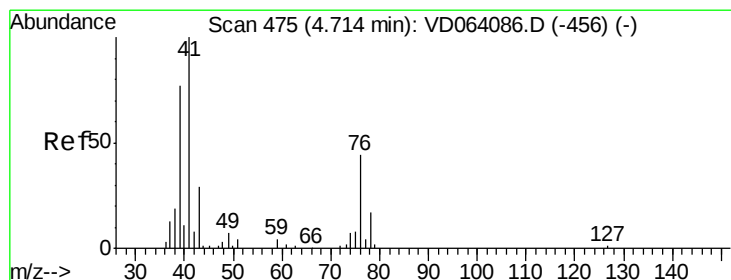
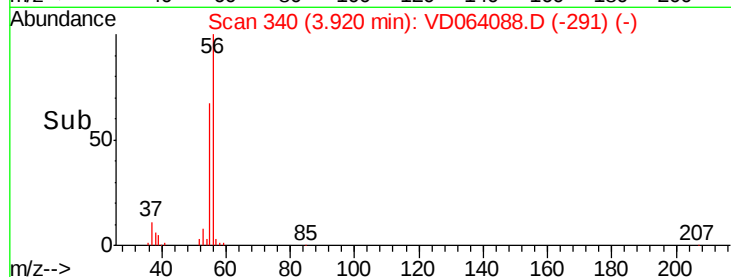
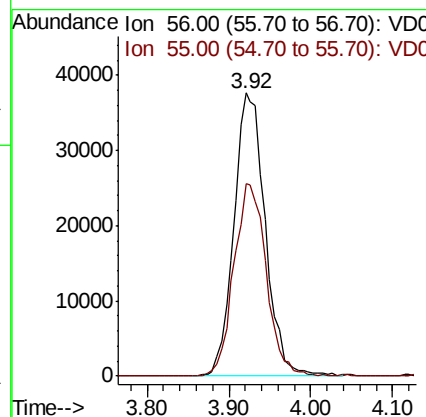
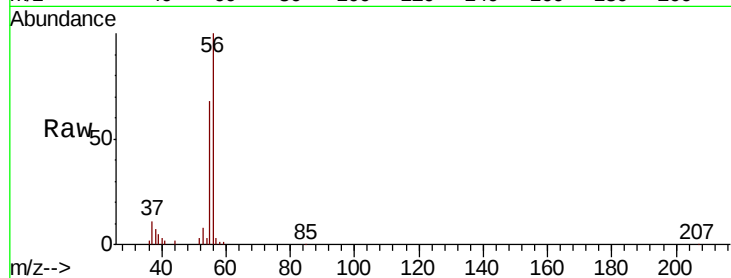
ClientSampled :

Tot Ion: 56 Resp: 99963

Ion Ratio Lower Upper

56 100

55 70.3 53.8 80.6



#14

Allyl chloride

Concen: 145.868 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

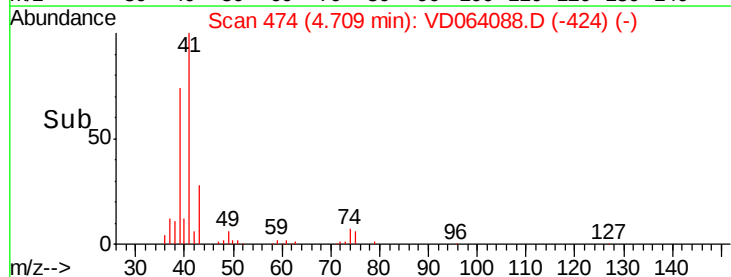
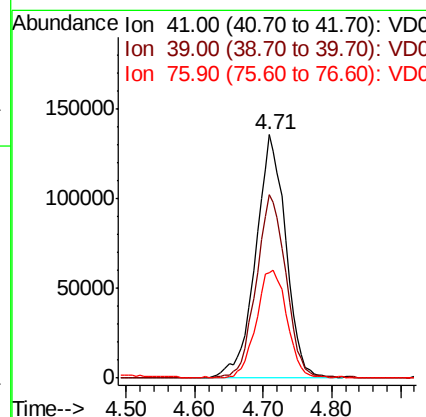
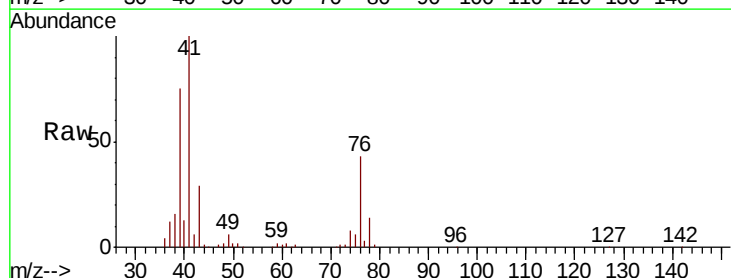
Tgt Ion: 41 Resp: 414333

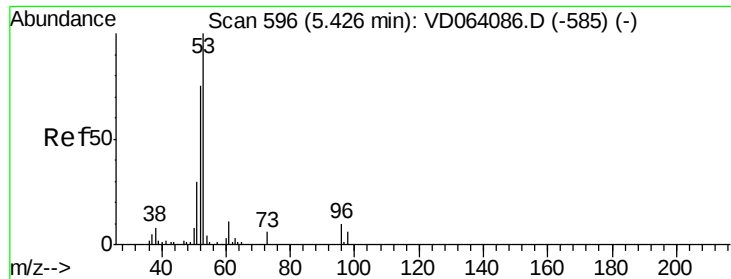
Ion Ratio Lower Upper

41 100

39 74.2 61.5 92.3

76 44.8 36.2 54.4





#15

Acrylonitrile

Concen: 747.216 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :  
MSVOA\_D  
ClientSampled :

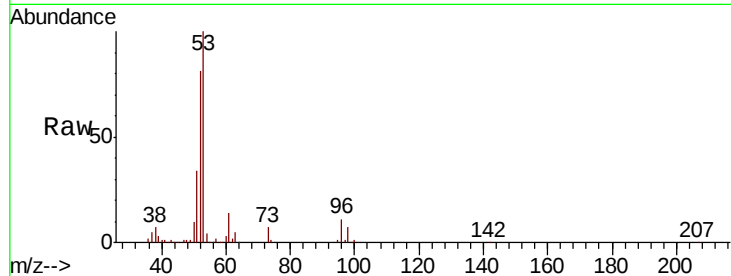
Tot Ion: 53 Resp: 341376

Ion Ratio Lower Upper

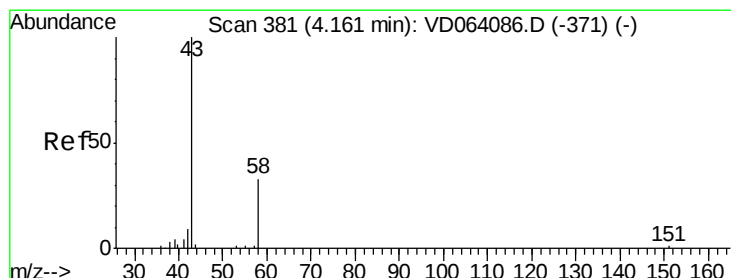
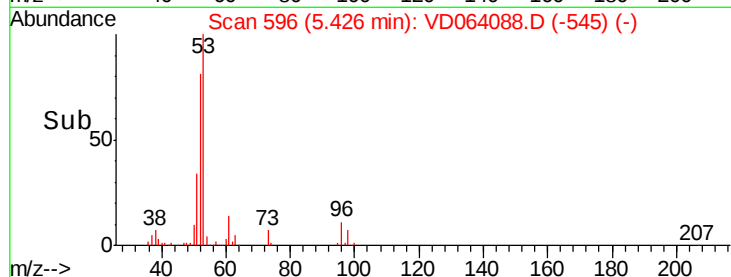
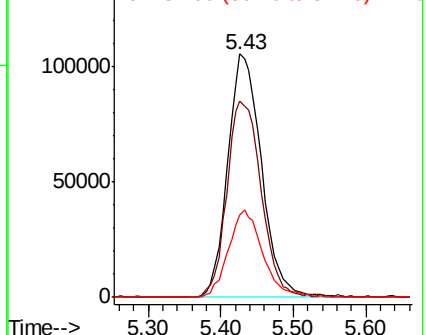
53 100

52 81.7 66.2 99.4

51 36.5 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC  
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 749.619 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD064088.D

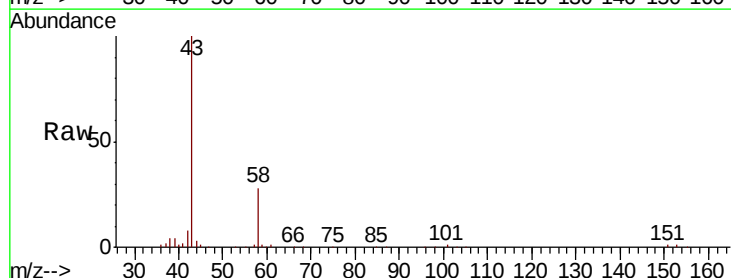
Acq: 29 Oct 2019 14:32

Tgt Ion: 43 Resp: 317352

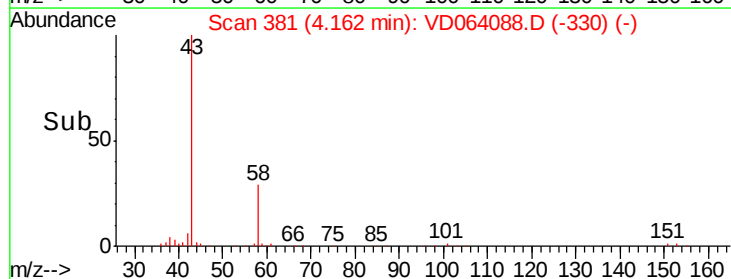
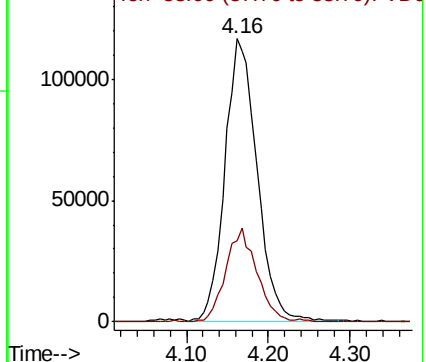
Ion Ratio Lower Upper

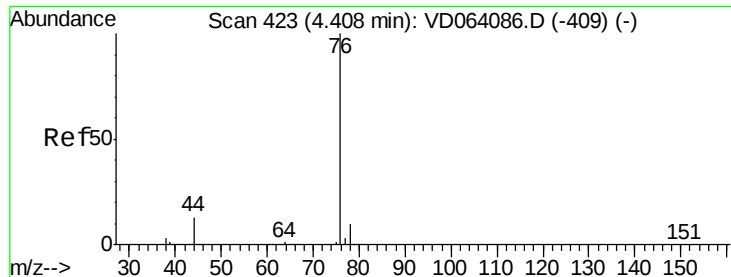
43 100

58 28.4 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC  
Ion 58.00 (57.70 to 58.70): VDC

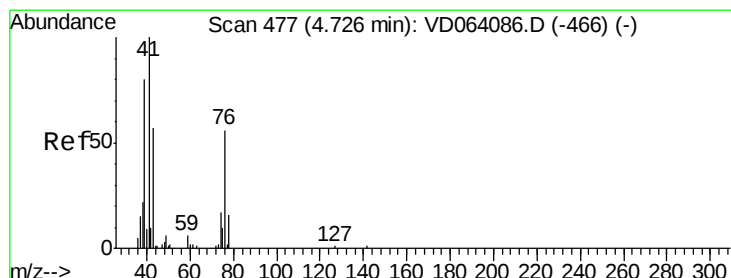
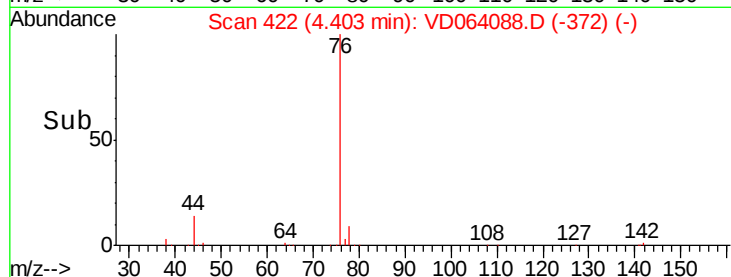
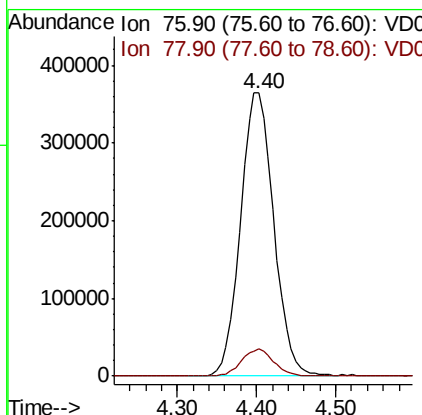
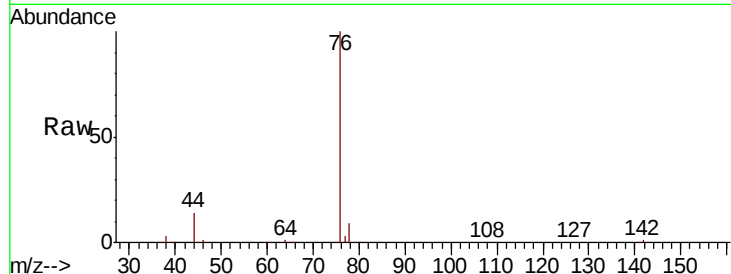




#17  
Carbon Disulfide  
Concen: 142.447 ug/l  
RT: 4.40 min Scan# 422  
Delta R.T. -0.01 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

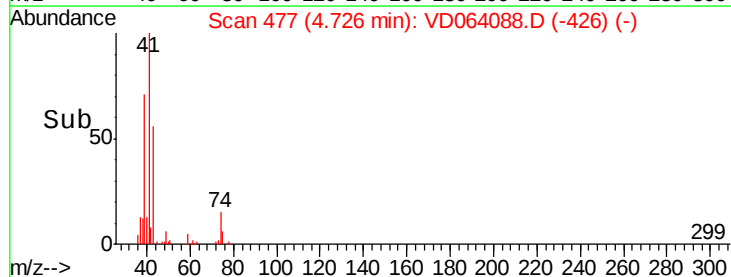
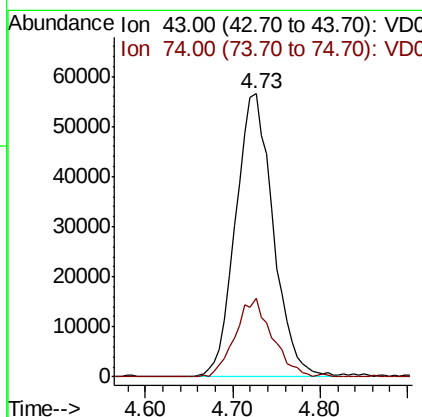
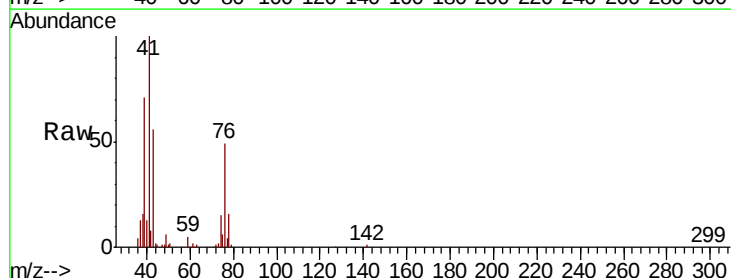
Instrument :  
MSVOA\_D  
ClientSampleId :

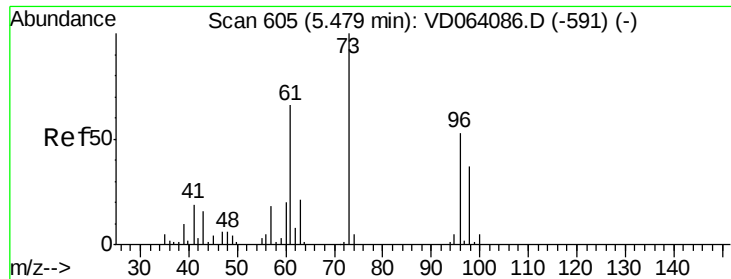
Tot Ion: 76 Resp: 1062345  
Ion Ratio Lower Upper  
76 100  
78 9.5 8.1 12.1



#18  
Methyl Acetate  
Concen: 146.946 ug/l  
RT: 4.73 min Scan# 477  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Tgt Ion: 43 Resp: 165477  
Ion Ratio Lower Upper  
43 100  
74 27.1 22.2 33.4

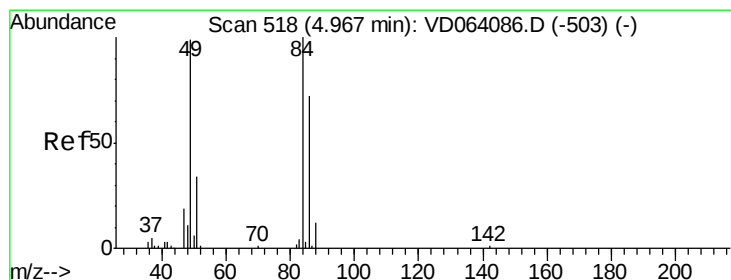
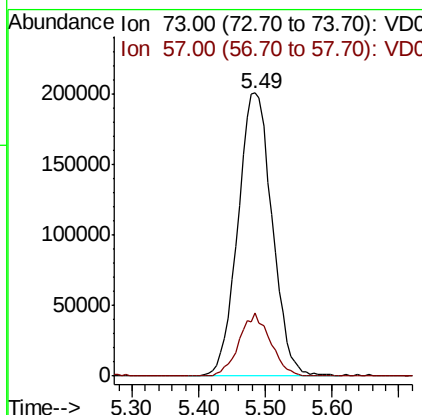
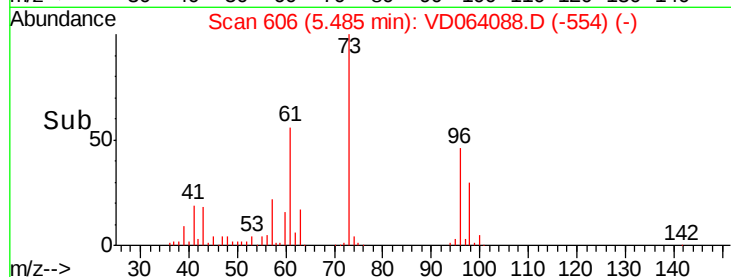
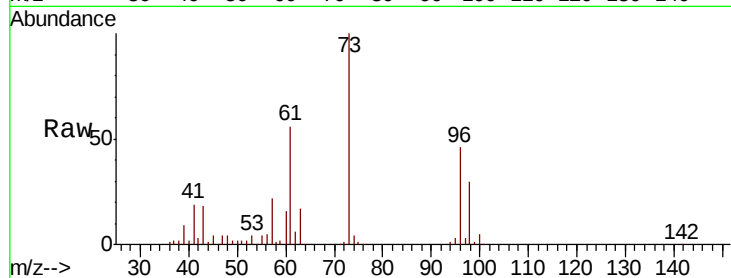




#19  
Methvl tert-butvl Ether  
Concen: 144.278 ug/l  
RT: 5.49 min Scan# 606  
Delta R.T. 0.01 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

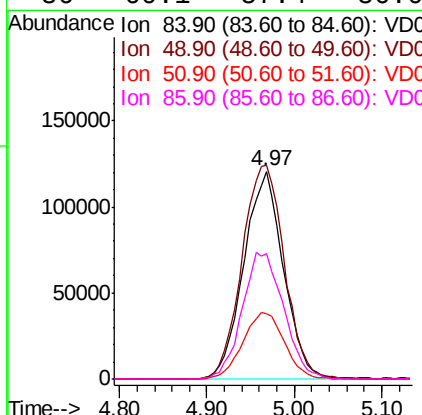
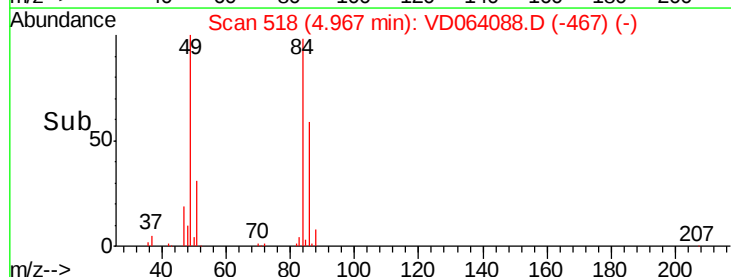
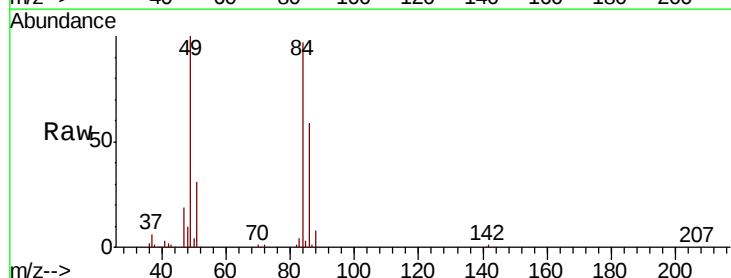
Instrument :  
MSVOA\_D  
ClientSampled :

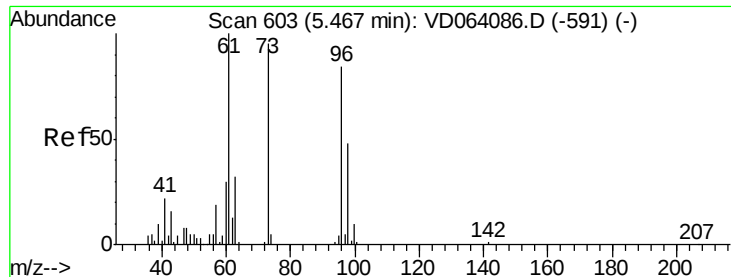
Tot Ion: 73 Resp: 710506  
Ion Ratio Lower Upper  
73 100  
57 22.2 14.3 21.5#



#20  
Methylene Chloride  
Concen: 123.457 ug/l  
RT: 4.97 min Scan# 518  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Tgt Ion: 84 Resp: 373444  
Ion Ratio Lower Upper  
84 100  
49 102.8 79.4 119.0  
51 31.4 27.4 41.2  
86 60.1 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 138.650 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :  
MSVOA\_D  
ClientSampleId :

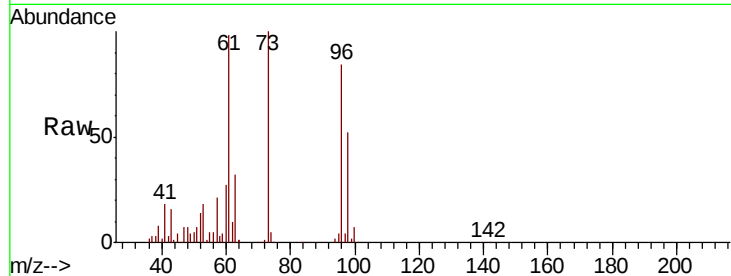
Tot Ion: 96 Resp: 377722

Ion Ratio Lower Upper

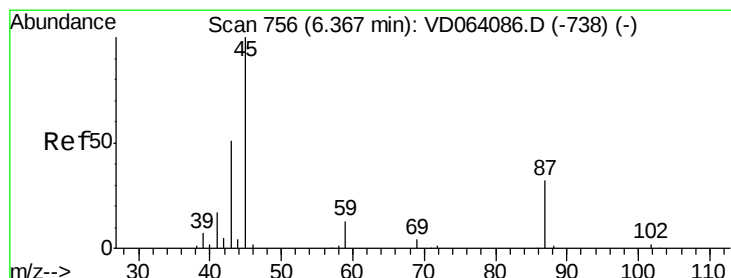
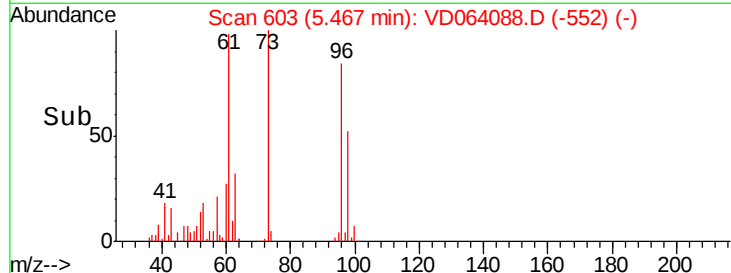
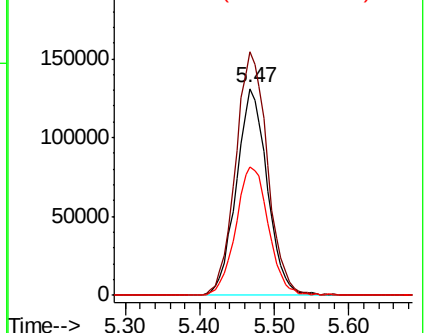
96 100

61 117.5 95.0 142.6

98 61.8 45.8 68.8



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



#22

Diisopropyl ether

Concen: 150.731 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Tgt Ion: 45 Resp: 948209

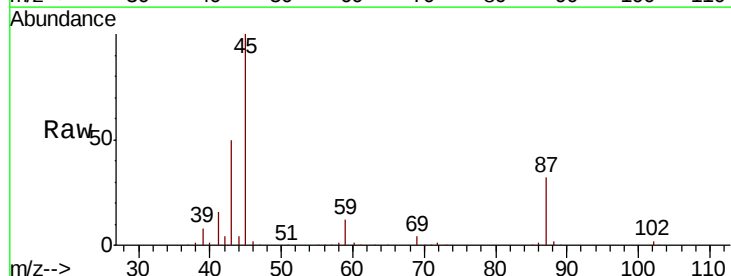
Ion Ratio Lower Upper

45 100

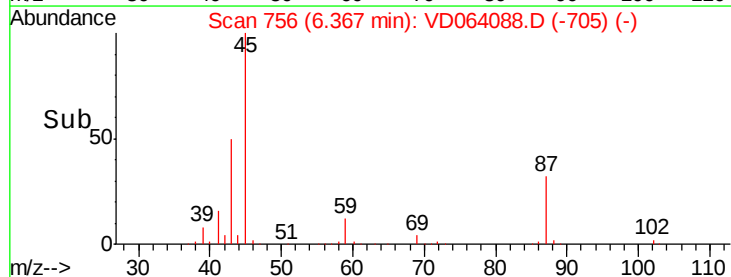
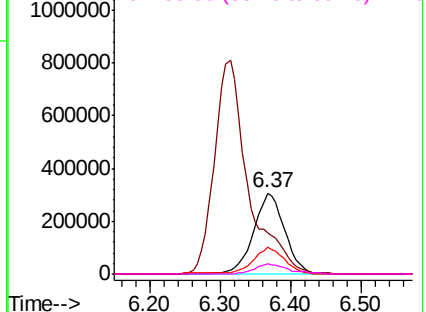
43 49.4 44.3 66.5

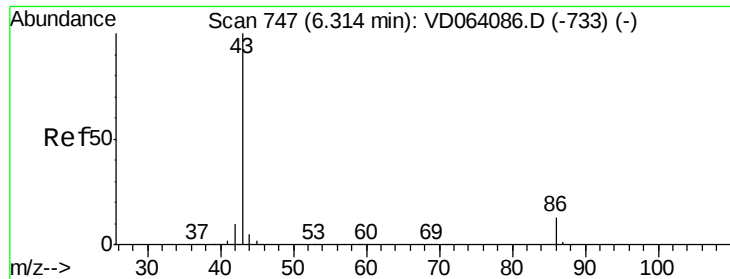
87 32.3 26.6 39.8

59 11.9 10.2 15.2



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





#23

Vinyl Acetate

Concen: 768.902 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

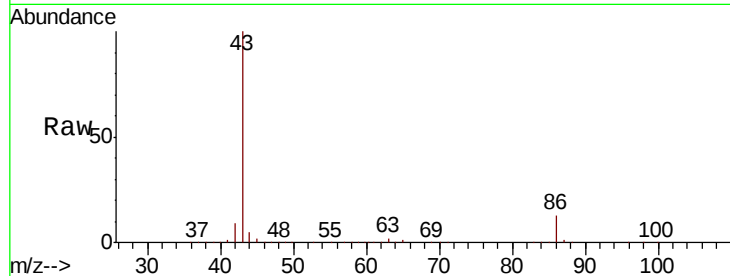
ClientSampleId :

Tot Ion: 43 Resp: 2707499

Ion Ratio Lower Upper

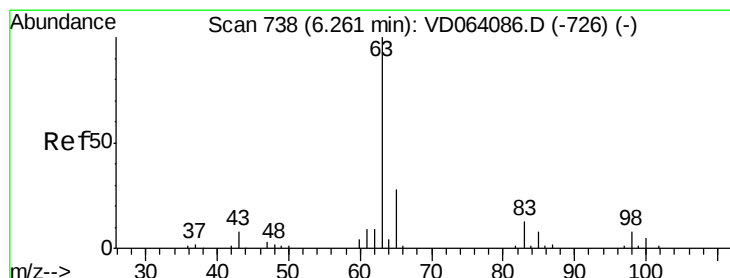
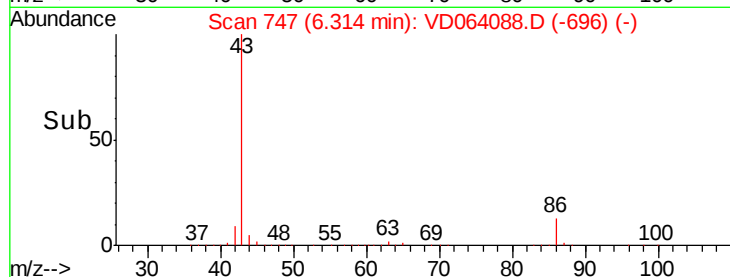
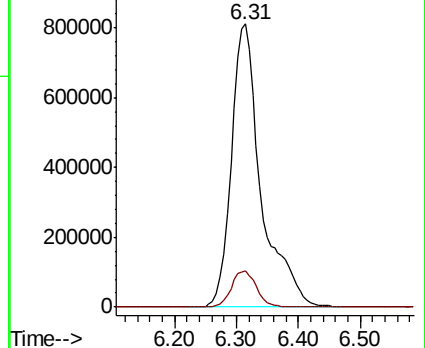
43 100

86 12.8 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 133.923 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

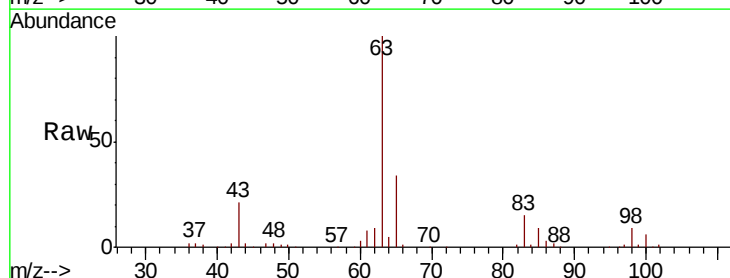
Tgt Ion: 63 Resp: 568906

Ion Ratio Lower Upper

63 100

98 8.6 4.0 11.9

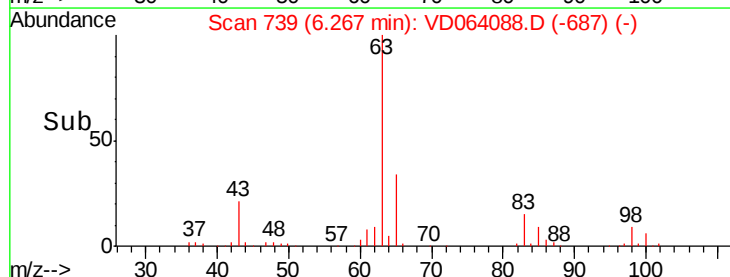
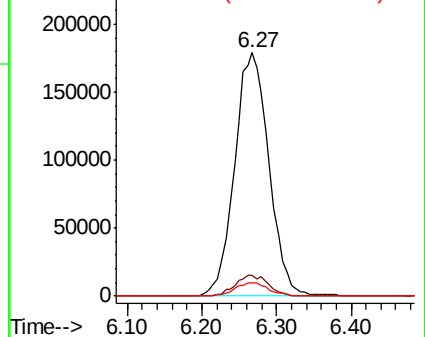
100 5.6 2.6 7.8

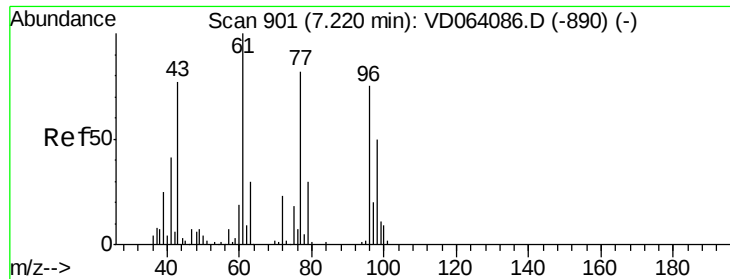


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 763.488 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

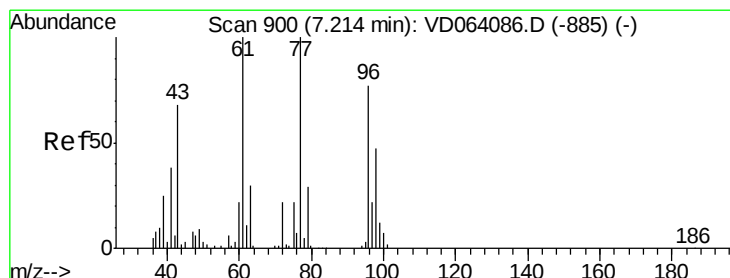
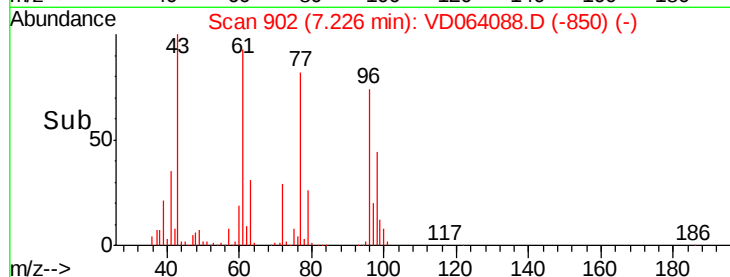
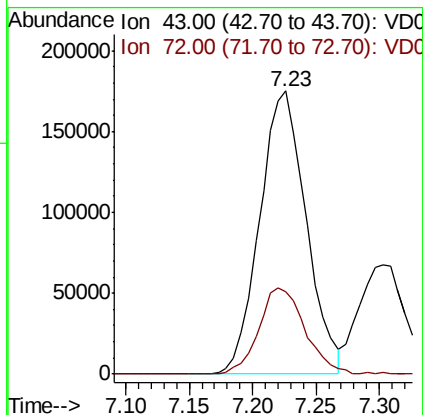
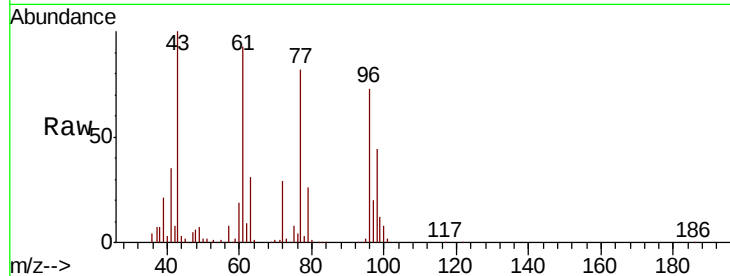
Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion: 43 Resp: 446845

Ion Ratio Lower Upper

43 100

72 29.0 23.4 35.0



#26

2,2-Dichloropropane

Concen: 134.545 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064088.D

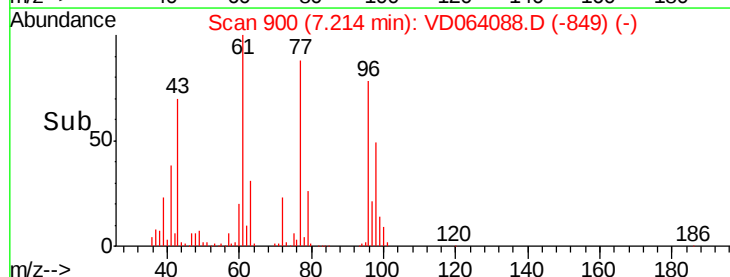
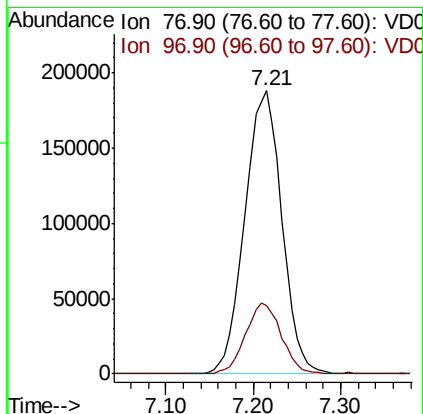
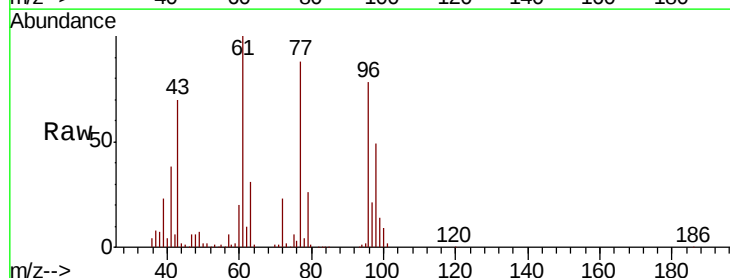
Acq: 29 Oct 2019 14:32

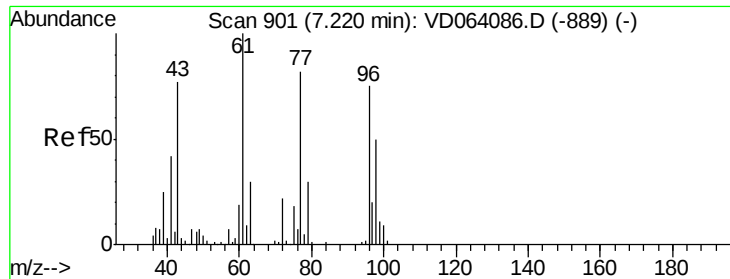
Tgt Ion: 77 Resp: 542465

Ion Ratio Lower Upper

77 100

97 24.1 11.2 33.5



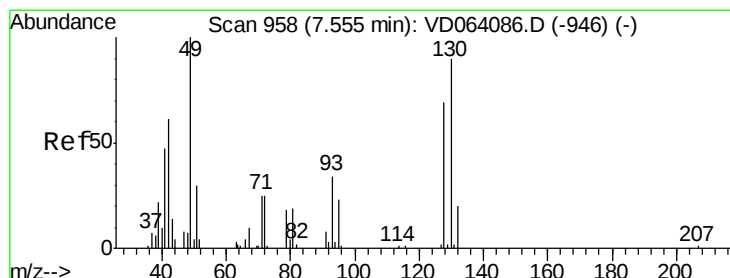
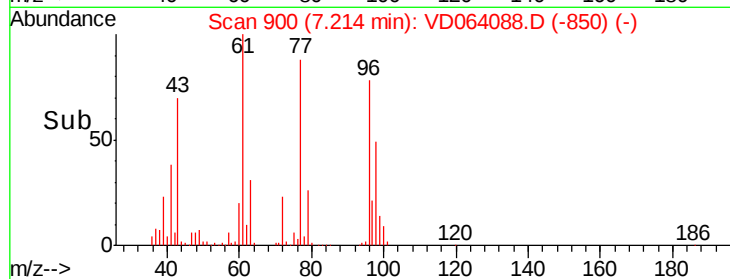
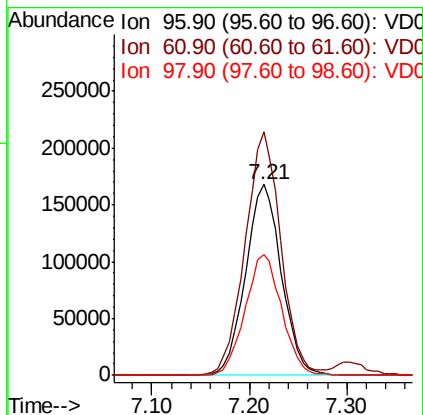
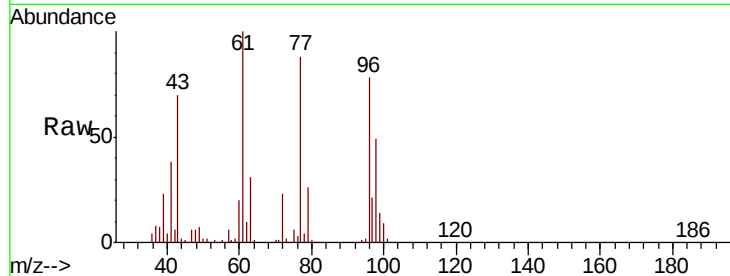


#27

cis-1,2-Dichloroethene  
Concen: 140.846 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. -0.01 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Instrument :  
MSVOA\_D  
ClientSampleId :

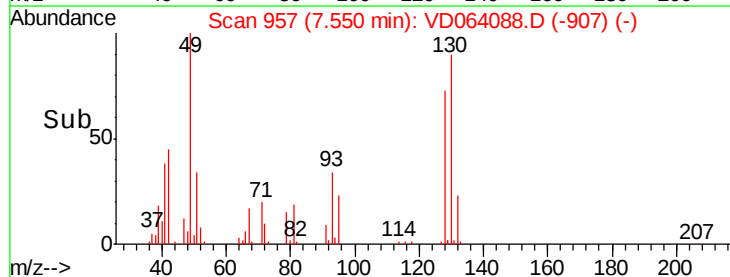
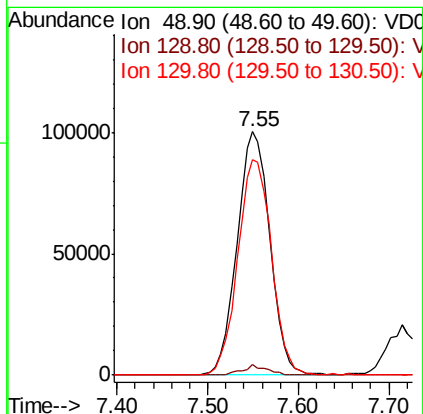
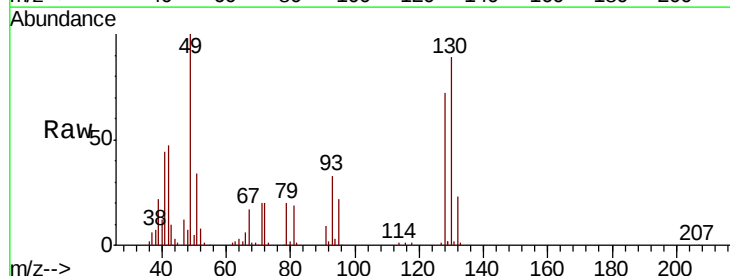
Tot Ion: 96 Resp: 429350  
Ion Ratio Lower Upper  
96 100  
61 127.7 0.0 258.0  
98 64.6 0.0 130.8

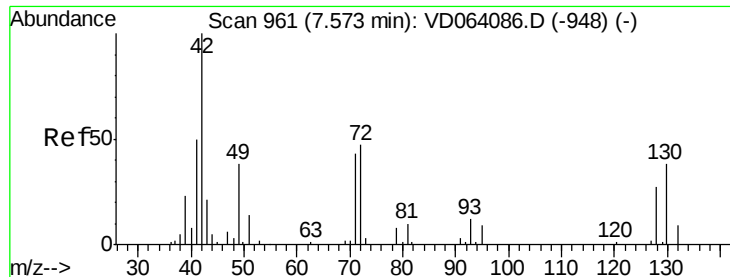


#28

Bromochloromethane  
Concen: 162.872 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. -0.01 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Tgt Ion: 49 Resp: 252374  
Ion Ratio Lower Upper  
49 100  
129 3.1 0.0 5.4  
130 91.1 75.3 112.9

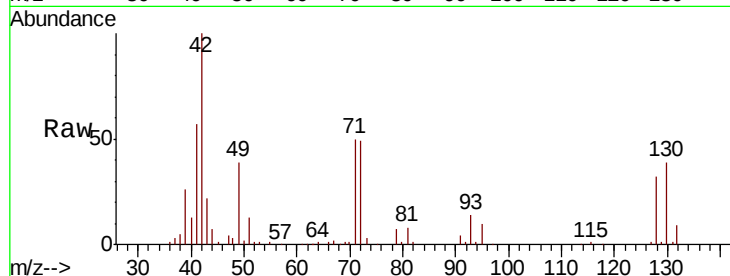




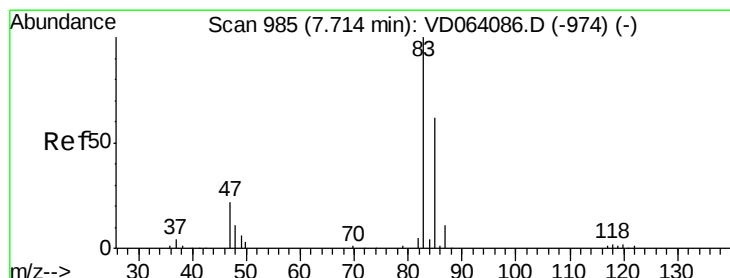
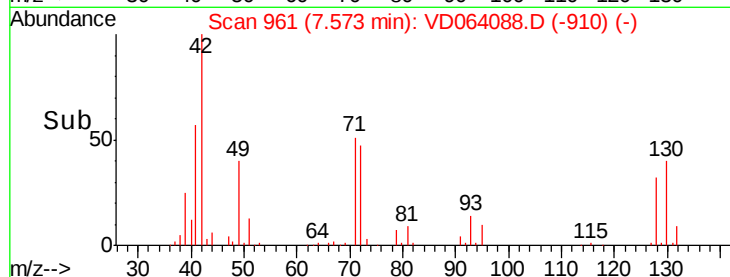
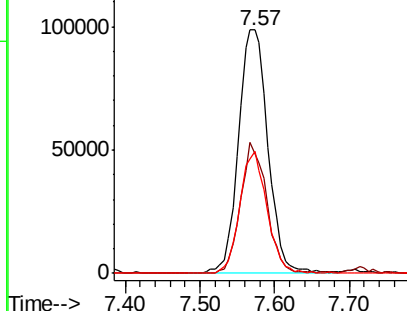
#29  
Tetrahydrofuran  
Concen: 791.129 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion: 42 Resp: 270228  
Ion Ratio Lower Upper  
42 100  
72 47.5 38.9 58.3  
71 46.0 35.4 53.2

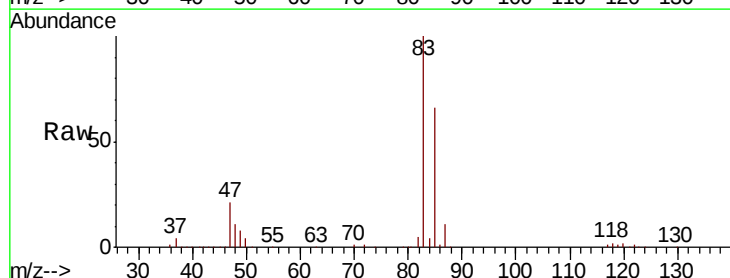


Abundance Ion 42.00 (41.70 to 42.70): VDC  
Ion 72.00 (71.70 to 72.70): VDC  
Ion 71.00 (70.70 to 71.70): VDC

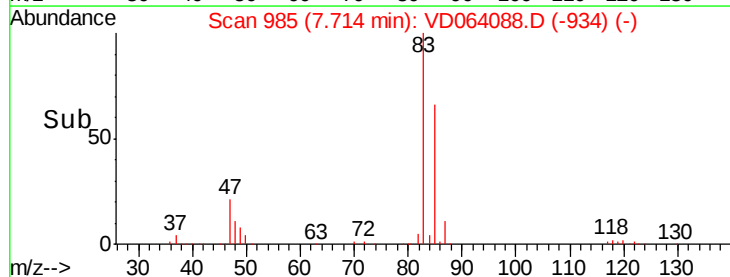
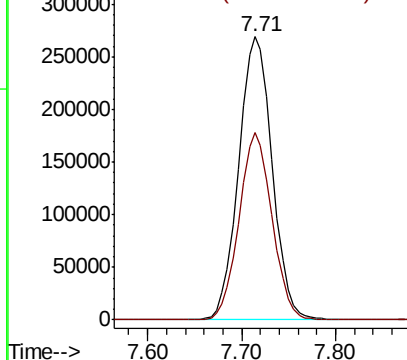


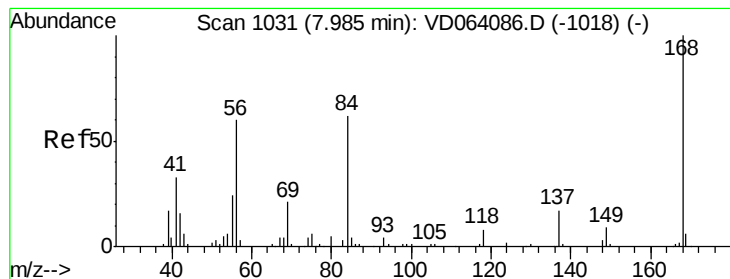
#30  
Chloroform  
Concen: 136.651 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Tgt Ion: 83 Resp: 664249  
Ion Ratio Lower Upper  
83 100  
85 66.3 49.8 74.6



Abundance Ion 82.90 (82.60 to 83.60): VDC  
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 131.088 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

ClientSampled :

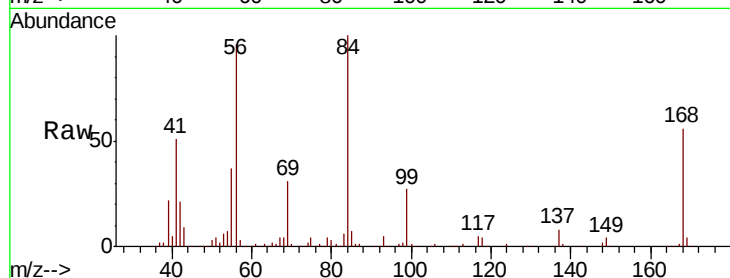
Tot Ion: 56 Resp: 542517

Ion Ratio Lower Upper

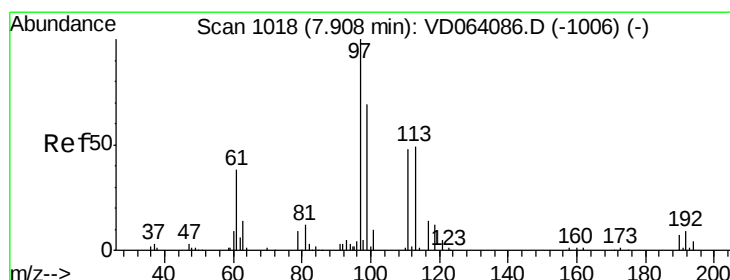
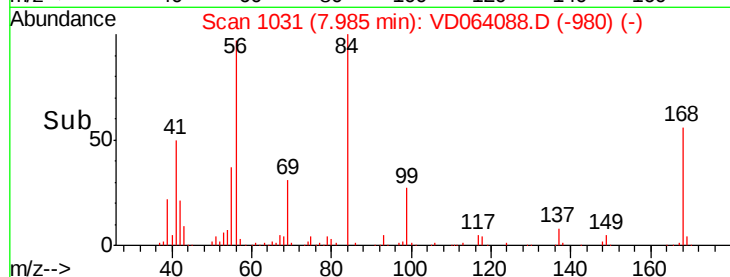
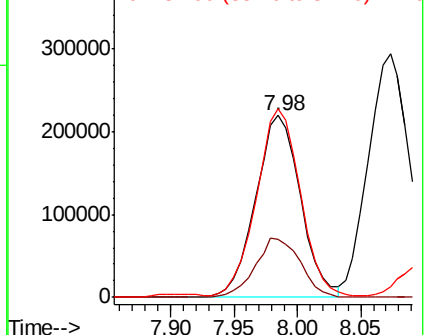
56 100

69 32.0 27.7 41.5

84 102.2 83.1 124.7



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



#32

1,1,1-Trichloroethane

Concen: 135.639 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

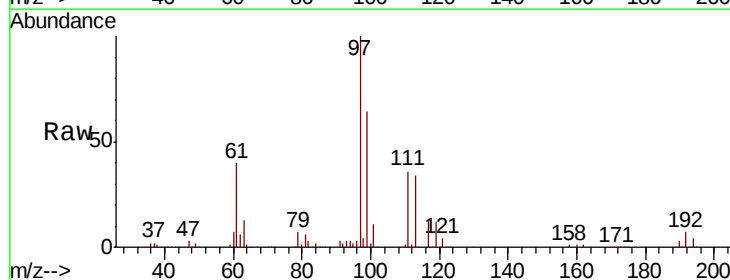
Tgt Ion: 97 Resp: 613748

Ion Ratio Lower Upper

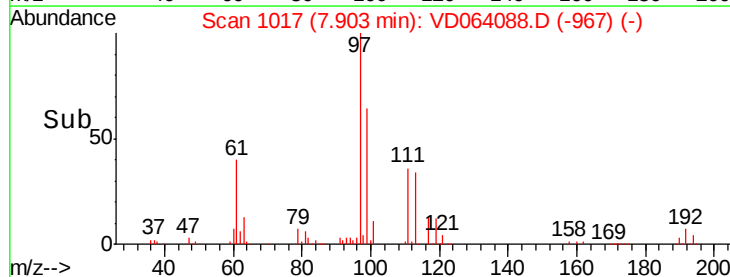
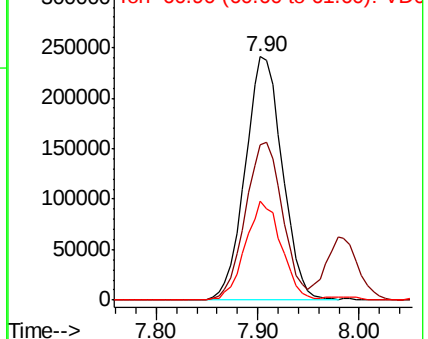
97 100

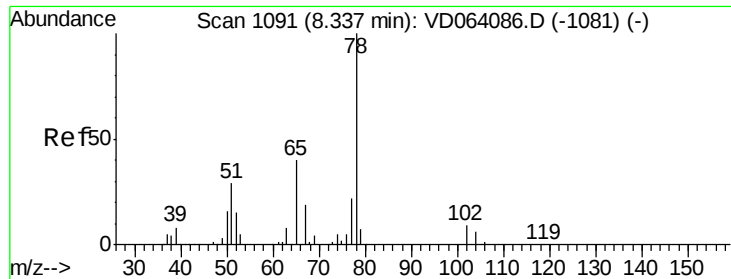
99 65.0 53.7 80.5

61 39.3 31.8 47.6



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





#33

1,2-Dichloroethane-d4

Concen: 146.287 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

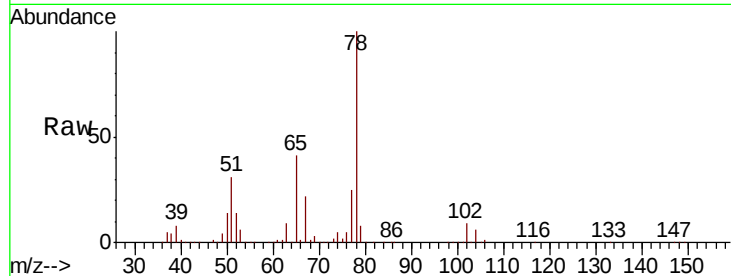
ClientSampleId :

Tot Ion: 65 Resp: 325492

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

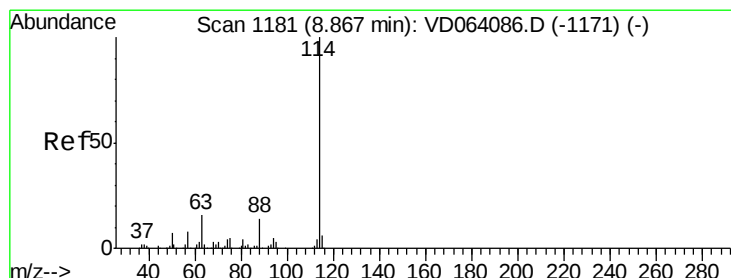
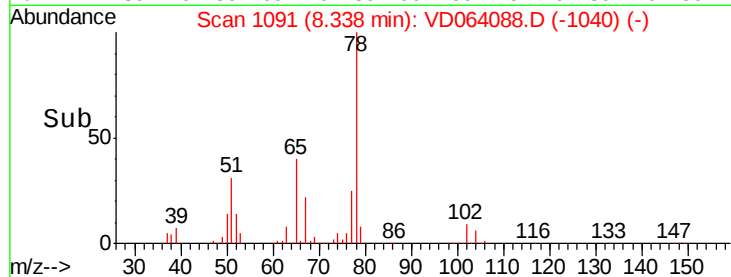
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

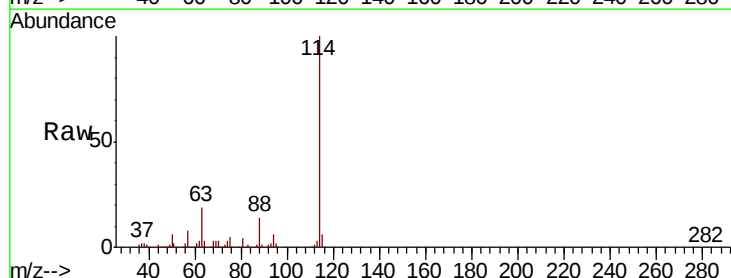
Tgt Ion: 114 Resp: 408480

Ion Ratio Lower Upper

114 100

63 18.5 0.0 32.8

88 14.2 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

250000

200000

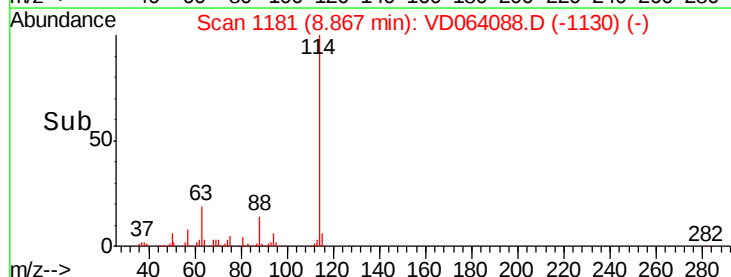
150000

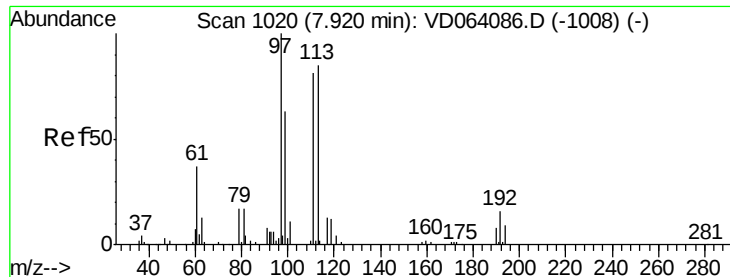
100000

50000

0

Time-->

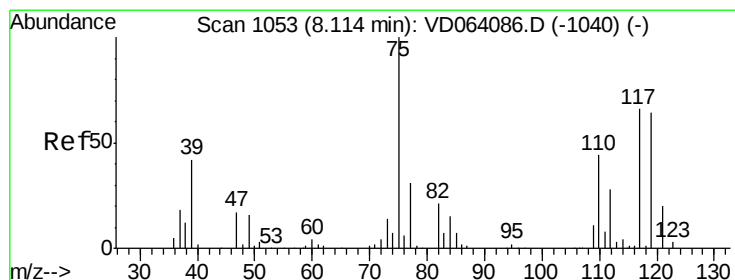
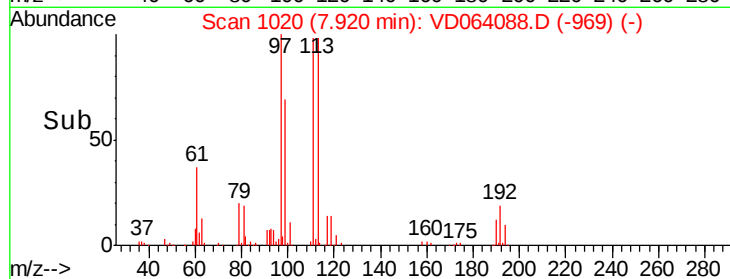
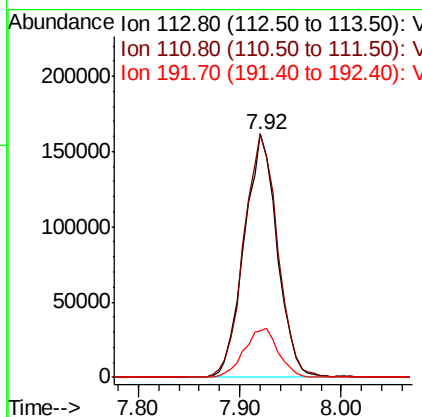
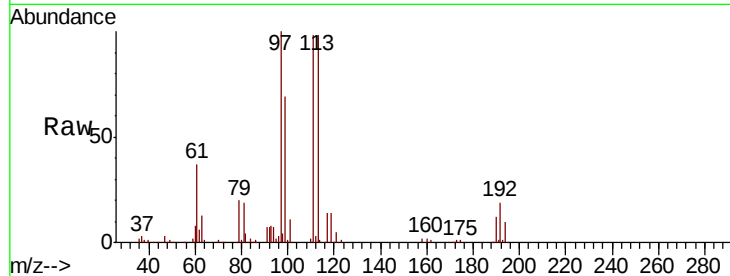




#35  
 Dibromofluoromethane  
 Concen: 145.219 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.00 min  
 Lab File: VD064088.D  
 Acq: 29 Oct 2019 14:32

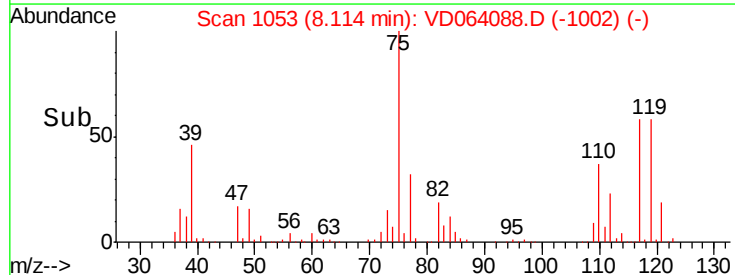
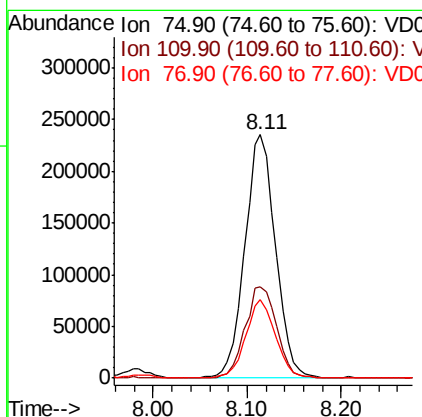
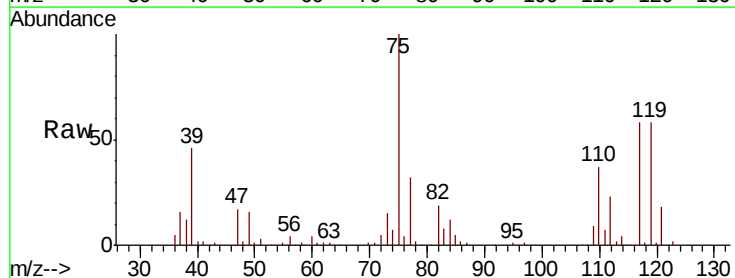
Instrument :  
 MSVOA\_D  
 ClientSampleId :

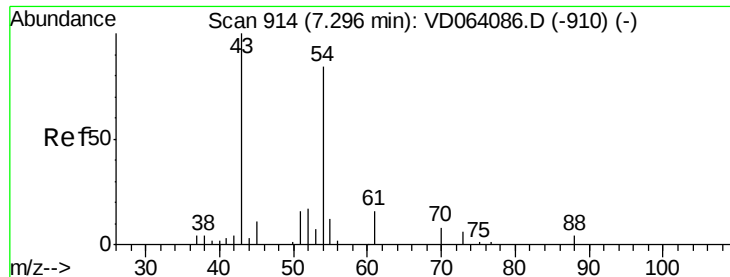
Tot Ion:113 Resp: 364948  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 79.3 118.9  
 192 20.8 16.2 24.2



#36  
 1,1-Dichloropropene  
 Concen: 138.653 ug/l  
 RT: 8.11 min Scan# 1053  
 Delta R.T. 0.00 min  
 Lab File: VD064088.D  
 Acq: 29 Oct 2019 14:32

Tgt Ion: 75 Resp: 530707  
 Ion Ratio Lower Upper  
 75 100  
 110 38.7 20.0 59.9  
 77 31.4 24.7 37.1





#37

Ethyl Acetate

Concen: 151.312 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :  
MSVOA\_D  
ClientSampled :

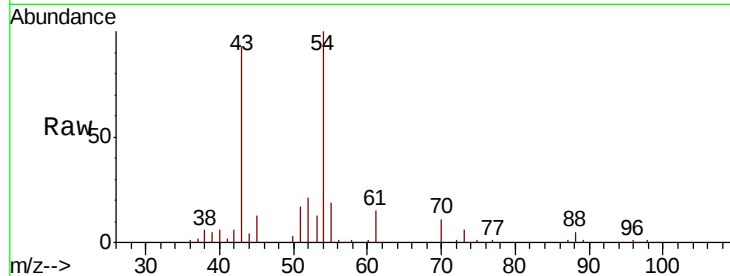
Tot Ion: 43 Resp: 178265

Ion Ratio Lower Upper

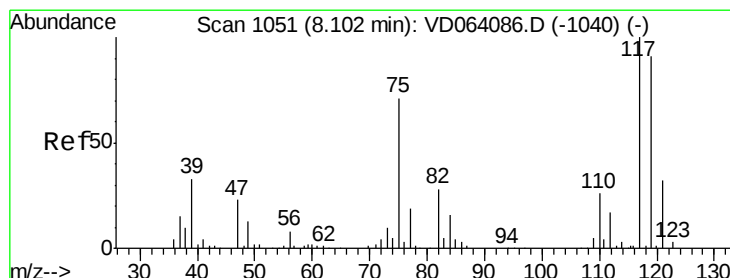
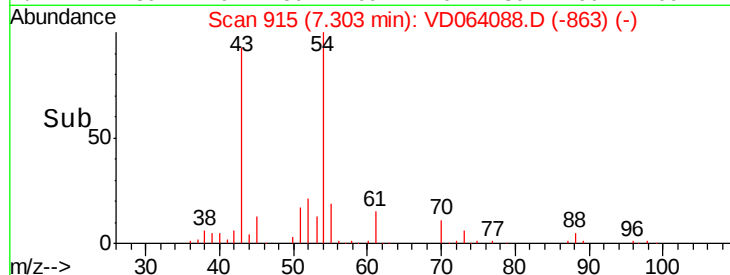
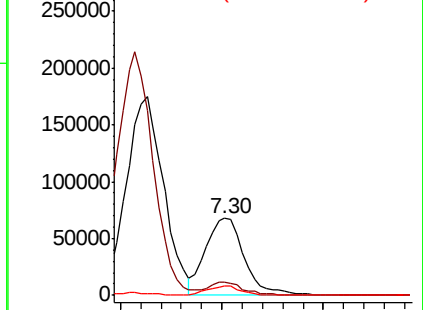
43 100

61 15.4 12.0 18.0

70 10.8 3.8 5.6#



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



#38

Carbon Tetrachloride

Concen: 137.878 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

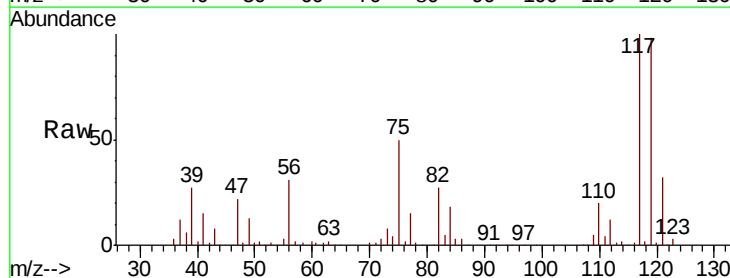
Tgt Ion: 117 Resp: 575797

Ion Ratio Lower Upper

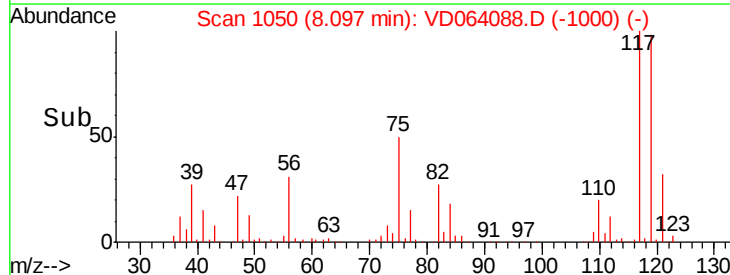
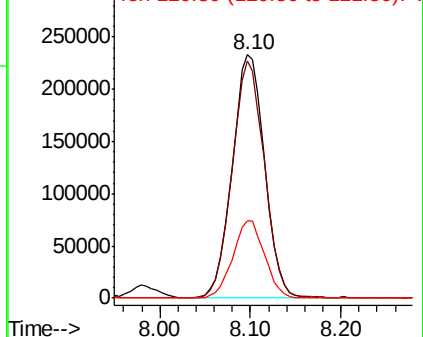
117 100

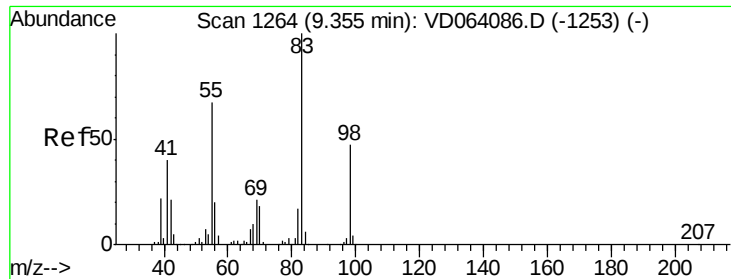
119 97.7 72.6 108.8

121 31.9 25.8 38.6



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

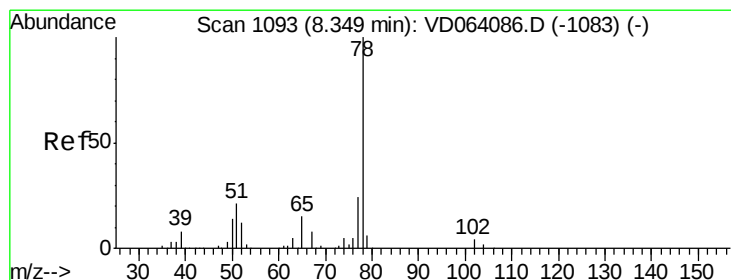
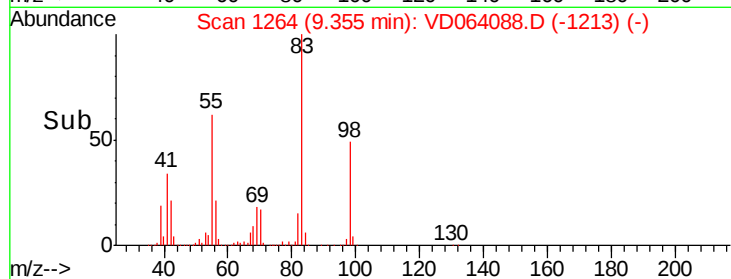
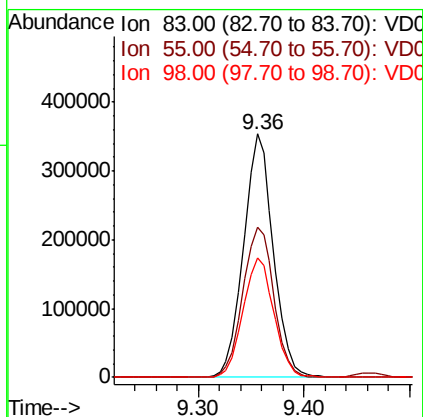
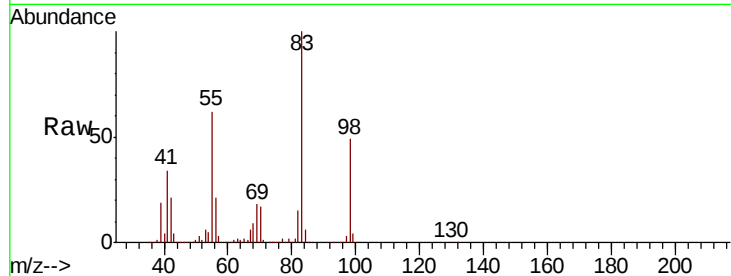




#39  
Methvlcvclohexane  
Concen: 147.306 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

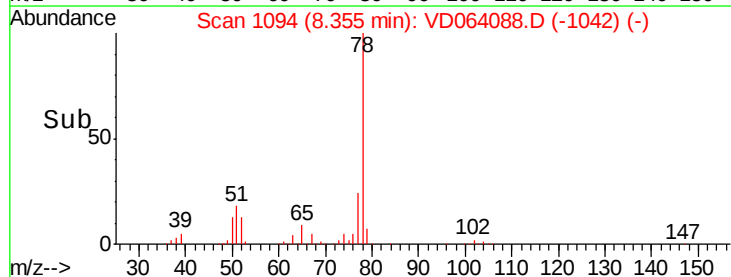
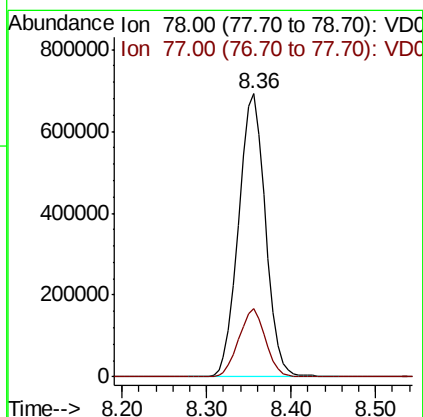
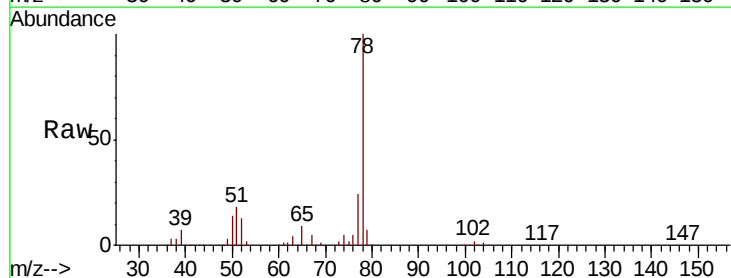
Instrument :  
MSVOA\_D  
ClientSampleId :

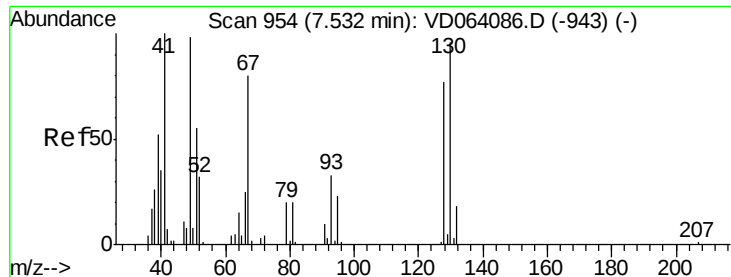
| Tot Ion | 83    | Resp  | 692129 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 55      | 61.8  | 53.4  | 80.0   |
| 98      | 48.9  | 37.8  | 56.6   |



#40  
Benzene  
Concen: 145.950 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. 0.01 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

| Tgt Ion | 78    | Resp  | 1523377 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 78      | 100   |       |         |
| 77      | 23.9  | 19.0  | 28.4    |

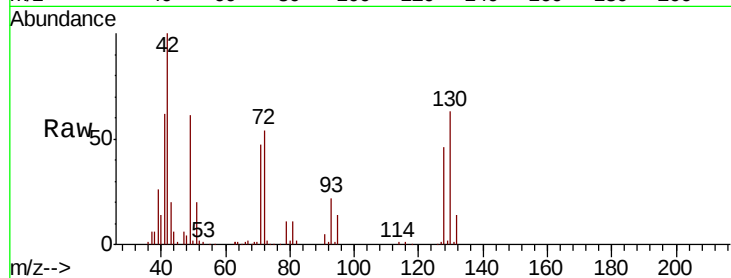




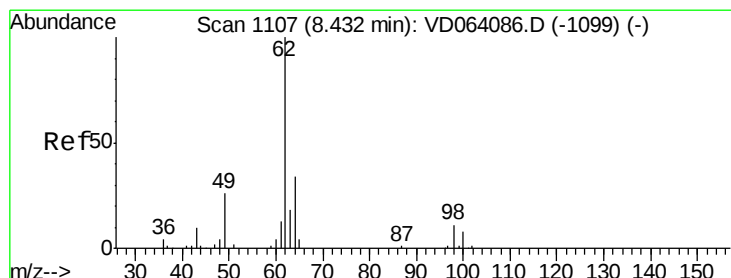
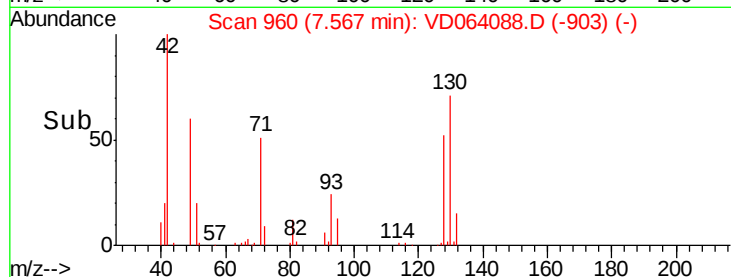
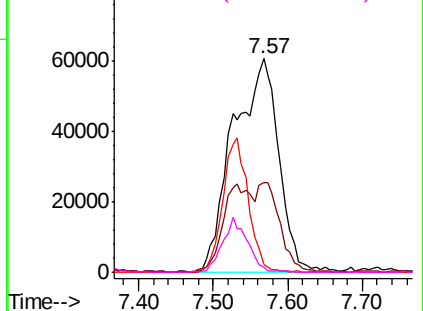
#41  
Methacrylonitrile  
Concen: 321.677 ug/l  
RT: 7.57 min Scan# 960  
Delta R.T. 0.04 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 41 Resp: 257183  
Ion Ratio Lower Upper  
41 100  
39 20.7 41.0 61.4#  
67 0.0 73.4 110.0#  
52 0.0 27.3 40.9#

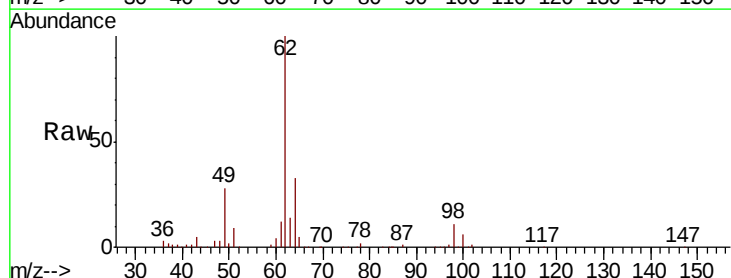


Abundance Ion 41.00 (40.70 to 41.70): VDC  
Ion 39.00 (38.70 to 39.70): VDC  
Ion 67.00 (66.70 to 67.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC

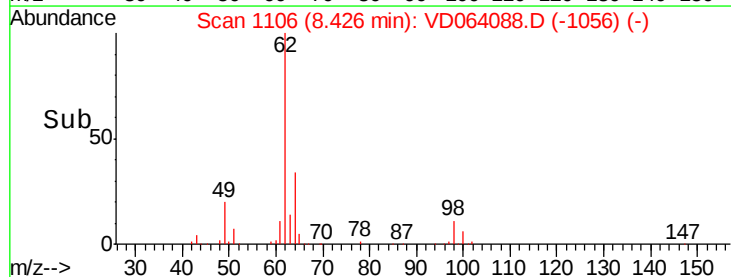
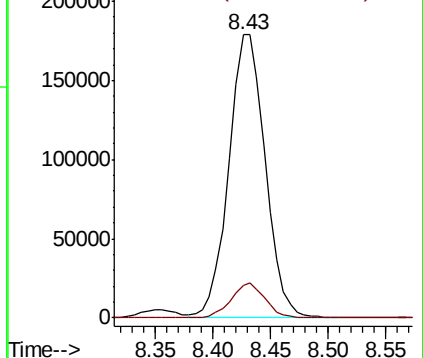


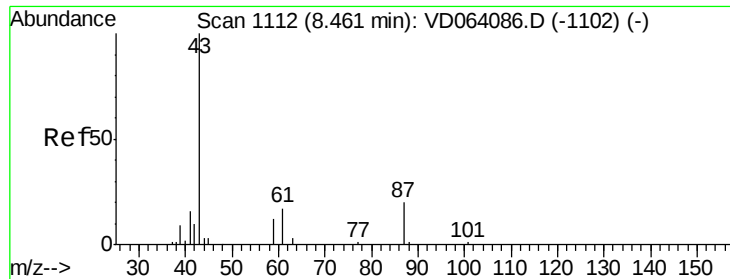
#42  
1,2-Dichloroethane  
Concen: 141.572 ug/l  
RT: 8.43 min Scan# 1106  
Delta R.T. -0.01 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Tgt Ion: 62 Resp: 390331  
Ion Ratio Lower Upper  
62 100  
98 11.5 0.0 21.0



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



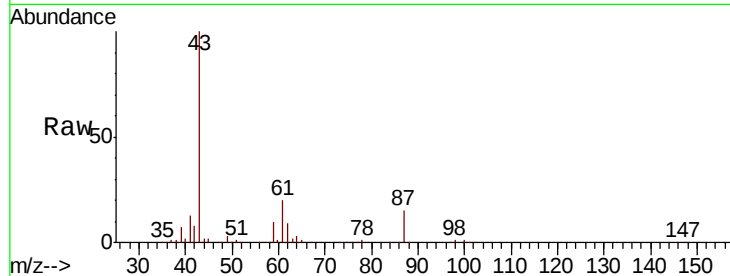


#43

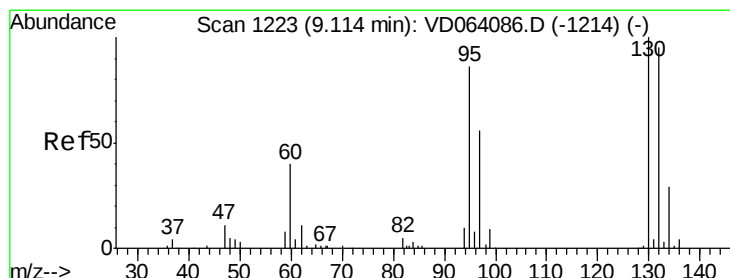
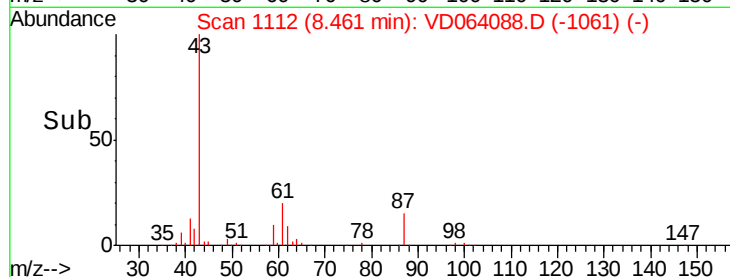
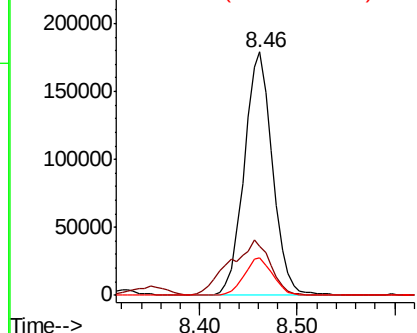
Isopropyl Acetate  
 Concen: 152.834 ug/l  
 RT: 8.46 min Scan# 1112  
 Delta R.T. 0.00 min  
 Lab File: VD064088.D  
 Acq: 29 Oct 2019 14:32

Instrument :  
 MSVOA\_D  
 ClientSampleId :

| Tot Ion   | 43   | Resp | 363889 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 25.8 |      |        |
| Upper     | 38.8 |      |        |
| 61        | 32.5 |      |        |
| 87        | 15.6 |      |        |
|           | 13.0 |      |        |



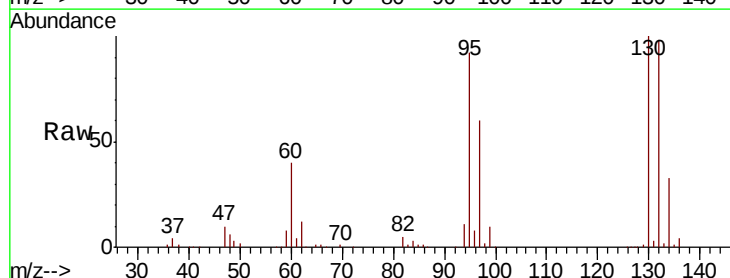
Abundance Ion 43.00 (42.70 to 43.70): VDC  
 Ion 61.00 (60.70 to 61.70): VDC  
 Ion 87.00 (86.70 to 87.70): VDC



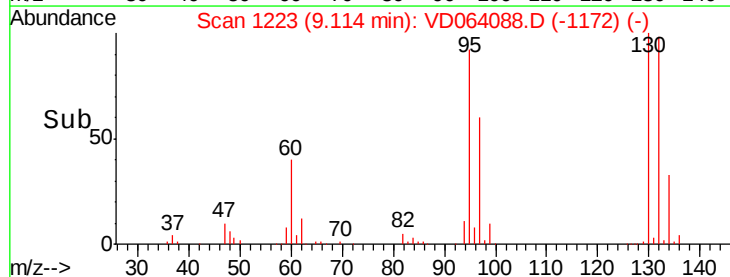
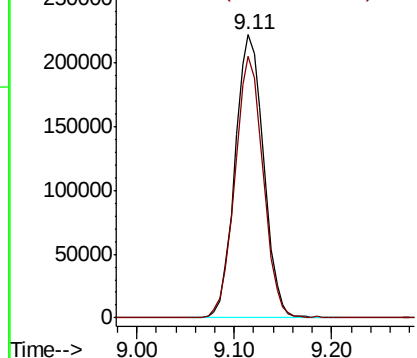
#44

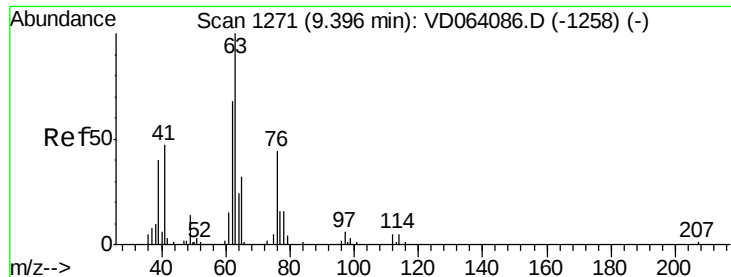
Trichloroethene  
 Concen: 142.699 ug/l  
 RT: 9.11 min Scan# 1223  
 Delta R.T. 0.00 min  
 Lab File: VD064088.D  
 Acq: 29 Oct 2019 14:32

| Tgt Ion   | 130   | Resp | 451438 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 0.0   |      |        |
| Upper     | 173.0 |      |        |
| 95        | 92.4  |      |        |



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





#45

1,2-Dichloropropane

Concen: 145.221 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

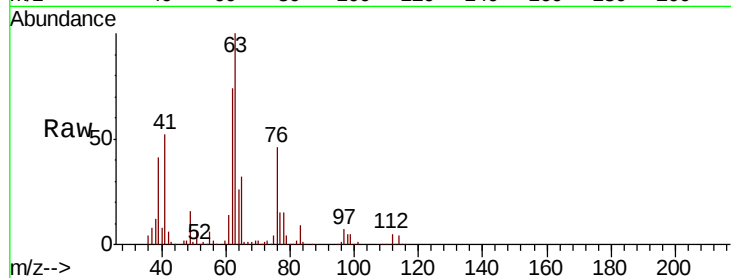
ClientSampled :

Tot Ion: 63 Resp: 351281

Ion Ratio Lower Upper

63 100

65 31.7 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

200000

150000

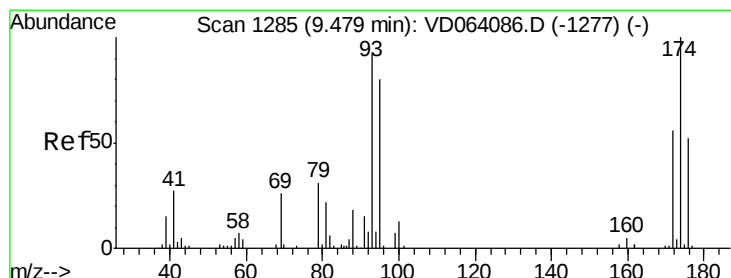
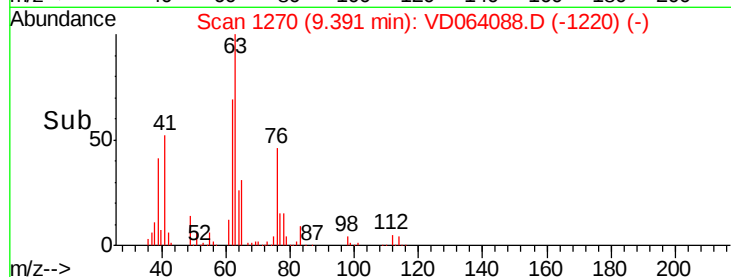
100000

50000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 144.618 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

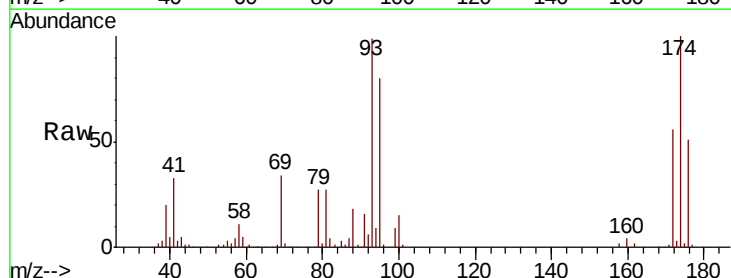
Tgt Ion: 93 Resp: 210685

Ion Ratio Lower Upper

93 100

95 83.5 67.4 101.2

174 107.1 86.4 129.6



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

150000

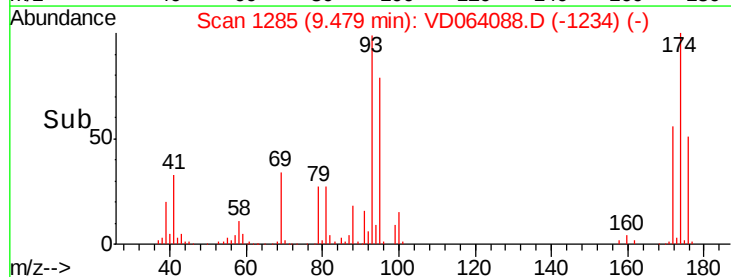
100000

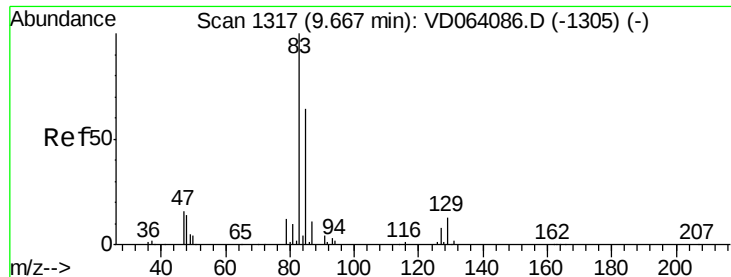
50000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 146.811 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

ClientSampleId :

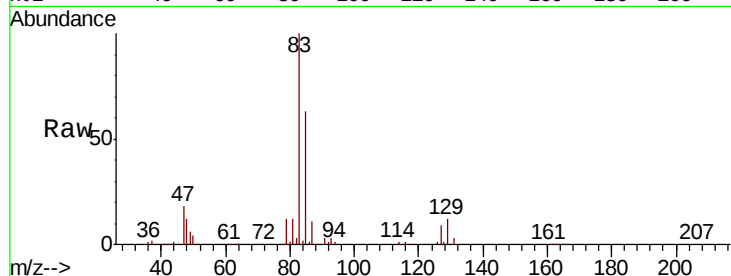
Tot Ion: 83 Resp: 539569

Ion Ratio Lower Upper

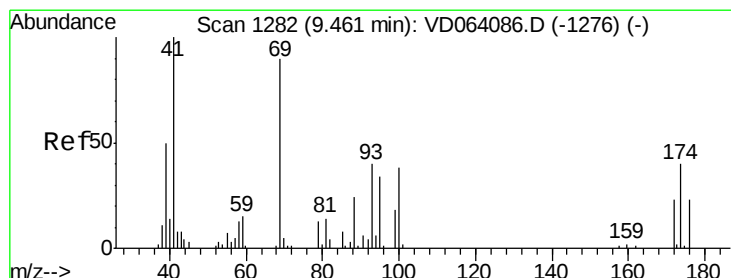
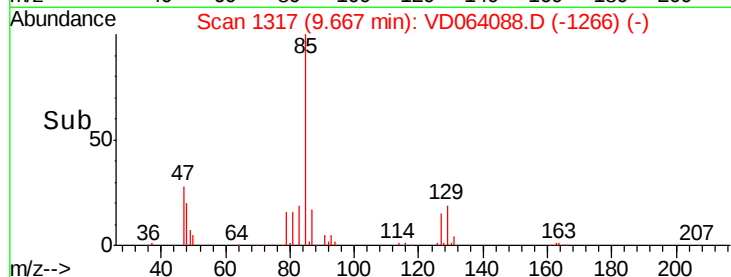
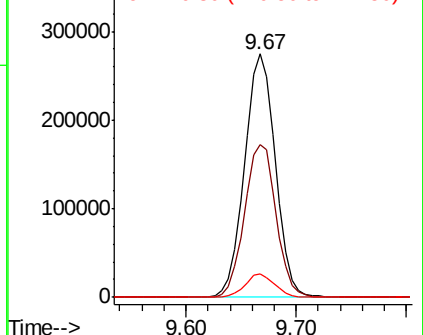
83 100

85 62.7 51.4 77.0

127 9.5 6.7 10.1



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



#48

Methyl methacrylate

Concen: 156.442 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

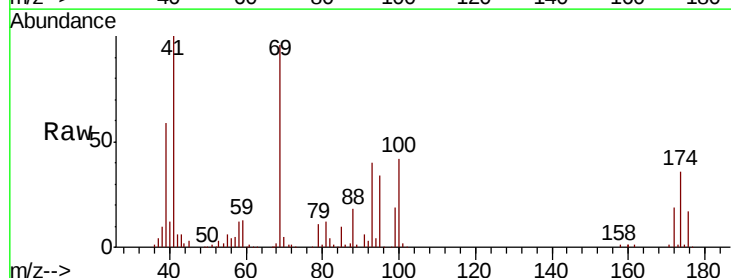
Tgt Ion: 41 Resp: 172249

Ion Ratio Lower Upper

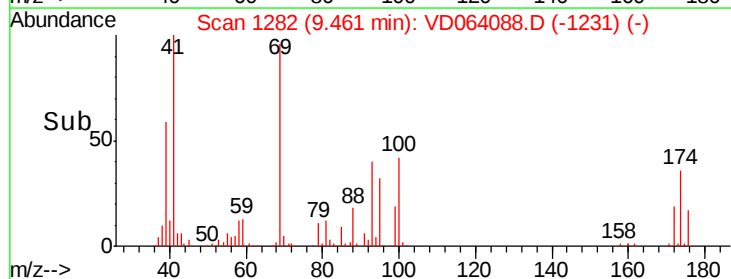
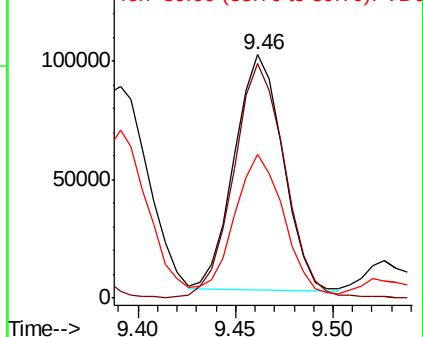
41 100

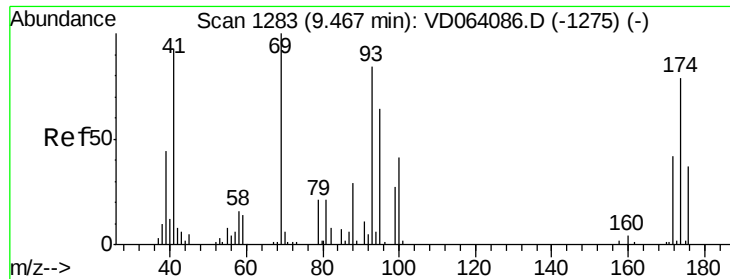
69 105.1 82.6 124.0

39 59.2 47.0 70.4



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





#49

1,4-Dioxane

Concen: 3176.300 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

ClientSampleId :

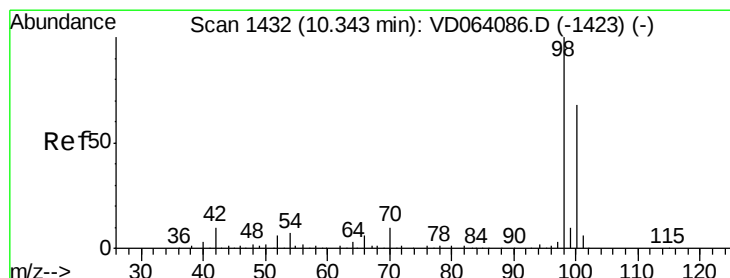
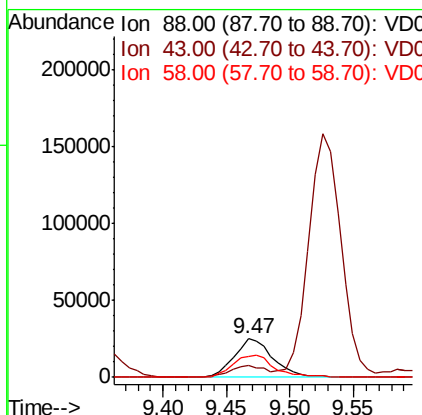
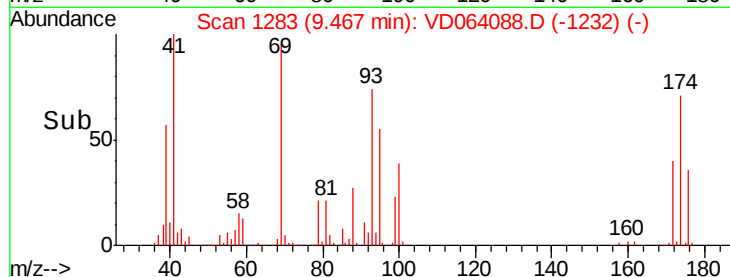
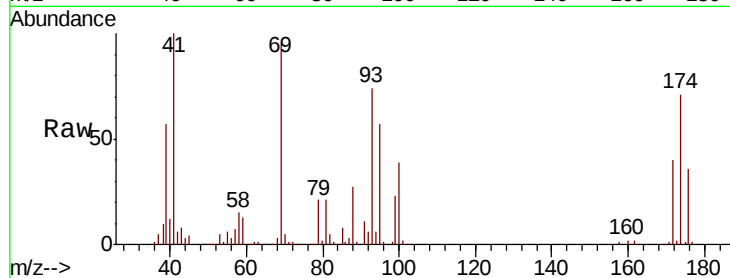
Tot Ion: 88 Resp: 52968

Ion Ratio Lower Upper

88 100

43 27.7 13.4 20.0#

58 62.3 46.7 70.1



#50

Toluene-d8

Concen: 156.360 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064088.D

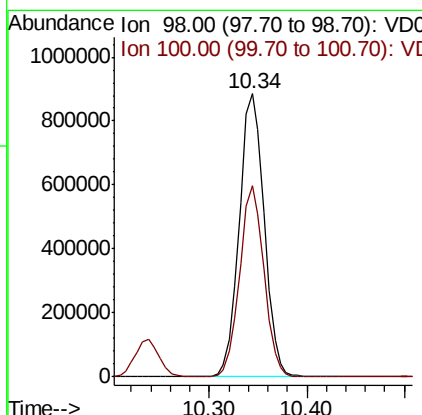
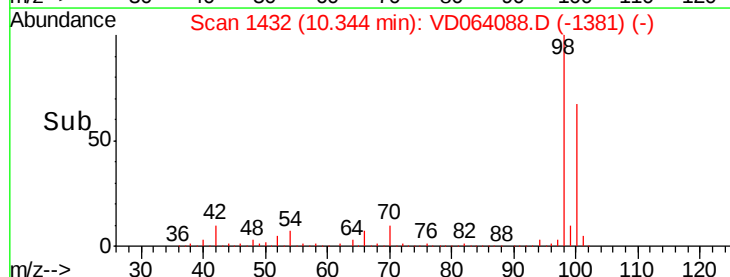
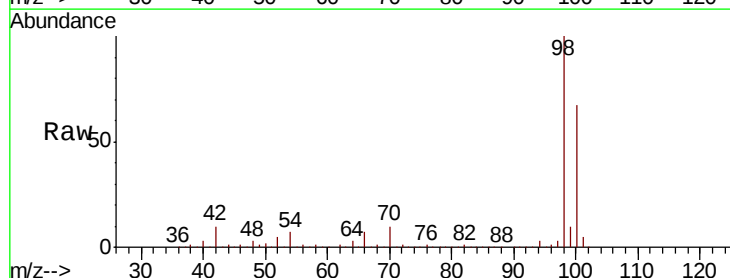
Acq: 29 Oct 2019 14:32

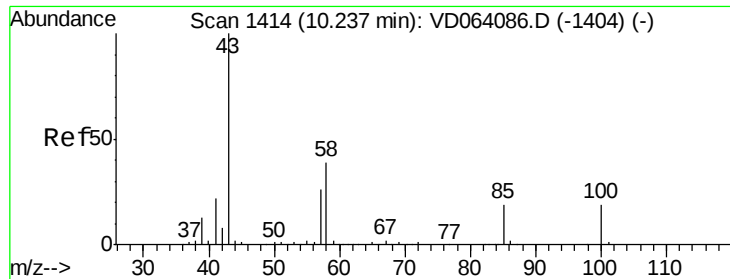
Tgt Ion: 98 Resp: 1571455

Ion Ratio Lower Upper

98 100

100 65.6 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 814.673 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

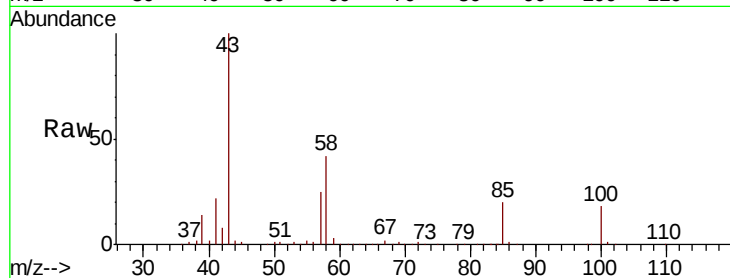
ClientSampled :

Tot Ion: 43 Resp: 1055968

Ion Ratio Lower Upper

43 100

58 42.2 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

600000

400000

200000

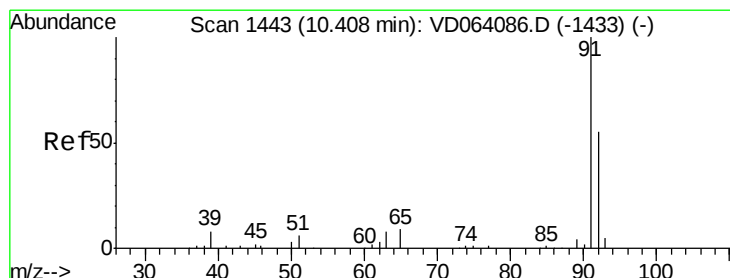
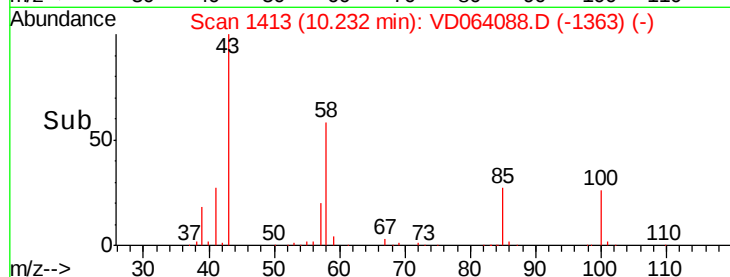
0

10.23

10.20

10.30

Time-->



#52

Toluene

Concen: 154.130 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064088.D

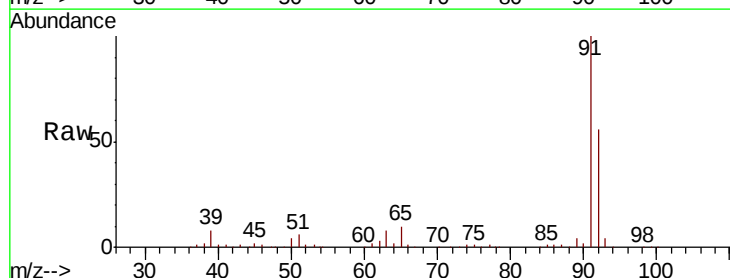
Acq: 29 Oct 2019 14:32

Tgt Ion: 92 Resp: 1127418

Ion Ratio Lower Upper

92 100

91 173.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1200000

1000000

800000

600000

400000

200000

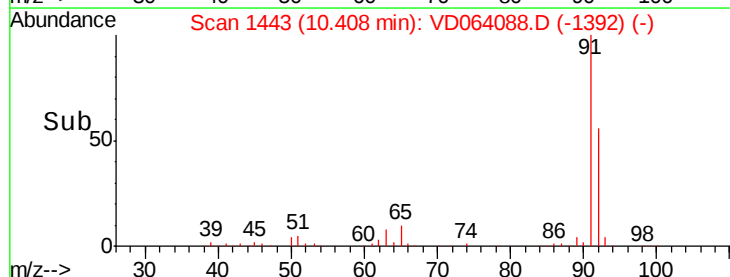
0

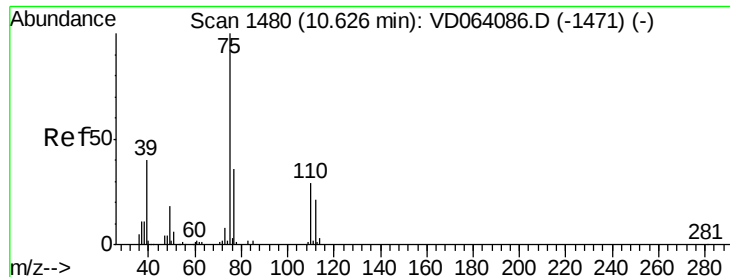
10.41

10.30

10.50

Time-->





#53

t-1,3-Dichloropropene

Concen: 157.411 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

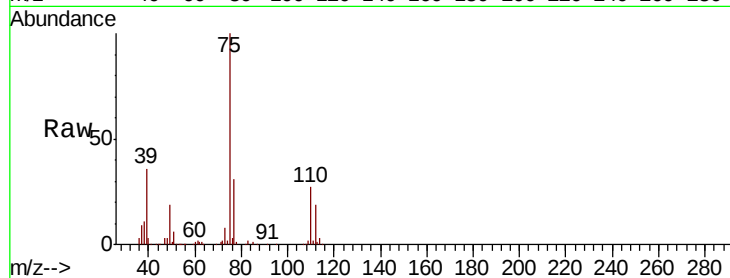
ClientSampleId :

Tot Ion: 75 Resp: 540038

Ion Ratio Lower Upper

75 100

77 31.4 28.7 43.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

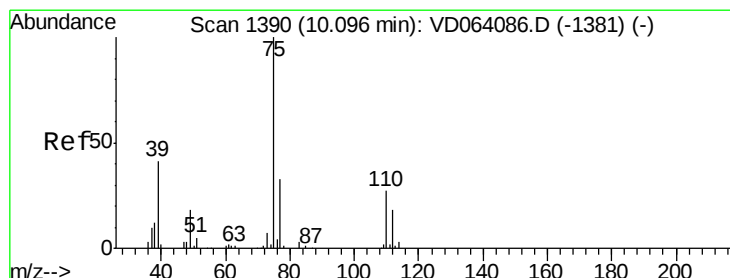
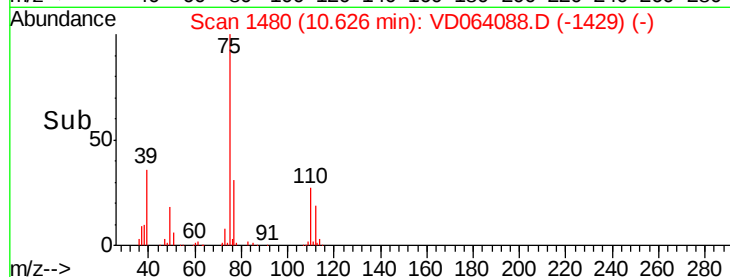
300000

200000

100000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 153.996 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

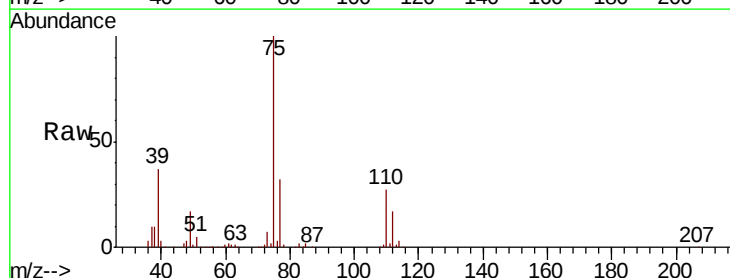
Tgt Ion: 75 Resp: 621574

Ion Ratio Lower Upper

75 100

77 32.5 26.8 40.2

39 37.3 32.7 49.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.10

400000

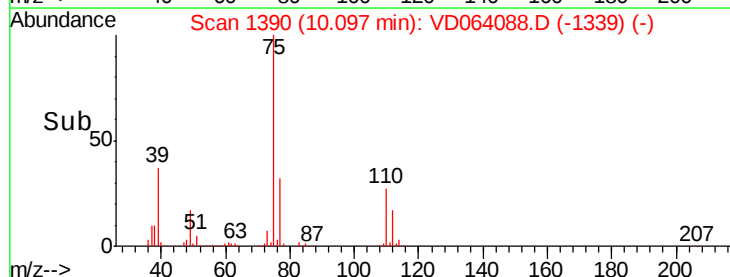
300000

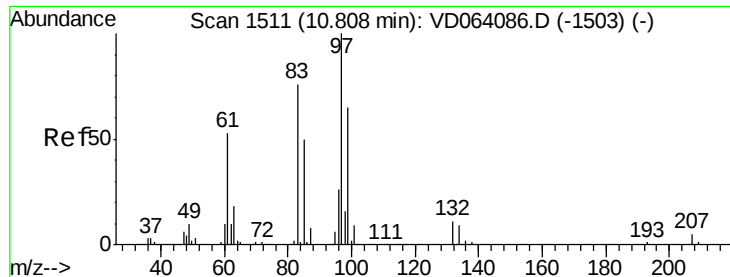
200000

100000

0

Time--> 10.00 10.10 10.20

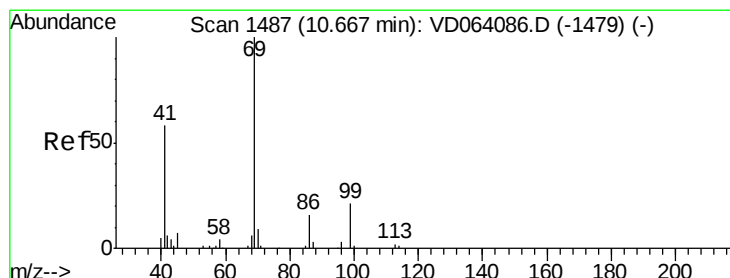
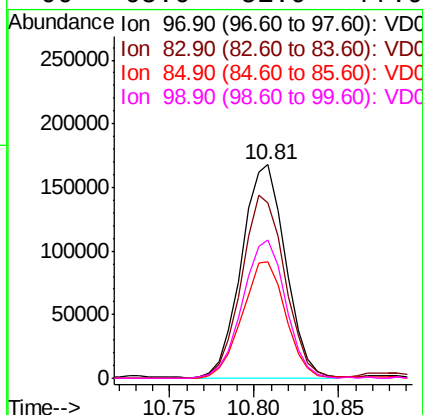
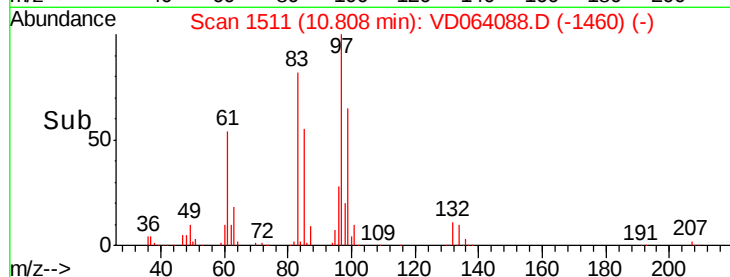
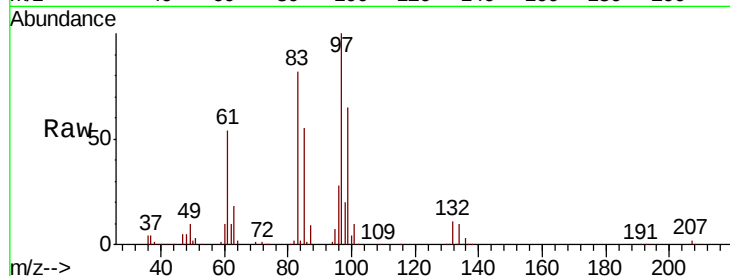




#55  
 1,1,2-Trichloroethane  
 Concen: 146.892 ug/l  
 RT: 10.81 min Scan# 1511  
 Delta R.T. 0.00 min  
 Lab File: VD064088.D  
 Acq: 29 Oct 2019 14:32

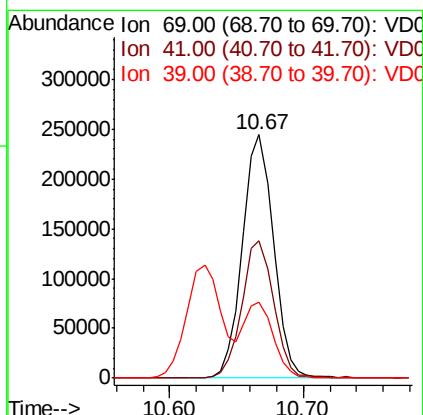
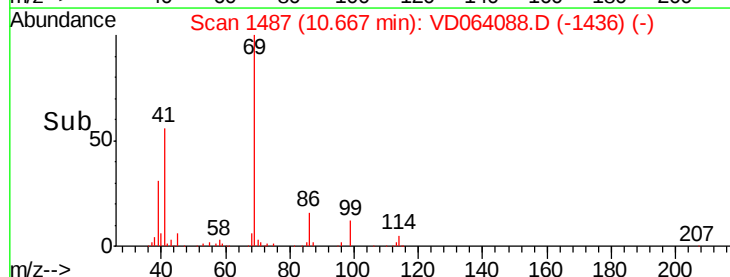
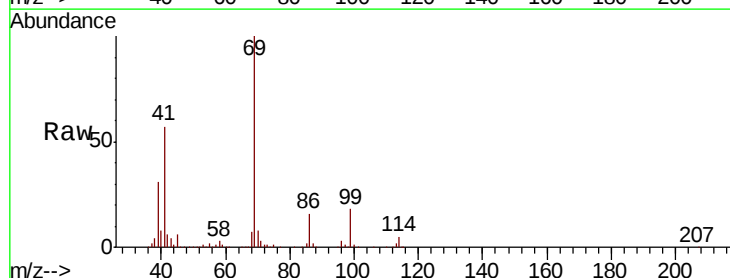
Instrument :  
 MSVOA\_D  
 ClientSampleId :

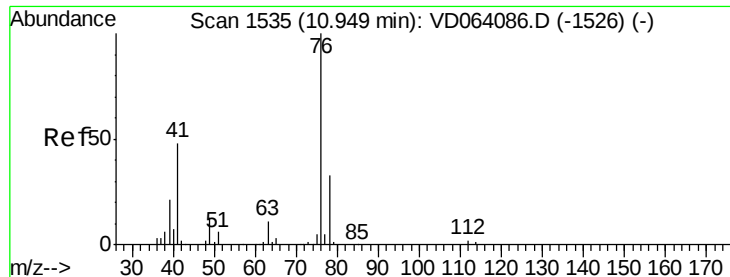
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 303406 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 82.1  | 60.9  | 91.3   |
| 85       | 54.5  | 40.2  | 60.2   |
| 99       | 65.0  | 51.9  | 77.9   |



#56  
 Ethyl methacrylate  
 Concen: 175.807 ug/l  
 RT: 10.67 min Scan# 1487  
 Delta R.T. 0.00 min  
 Lab File: VD064088.D  
 Acq: 29 Oct 2019 14:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 394300 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 58.3  | 46.9  | 70.3   |
| 39       | 29.0  | 27.3  | 40.9   |





#57

1,3-Dichloropropane

Concen: 150.119 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

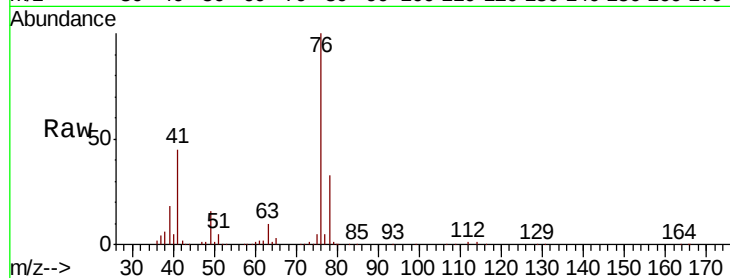
ClientSampleId :

Tot Ion: 76 Resp: 512804

Ion Ratio Lower Upper

76 100

78 33.0 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

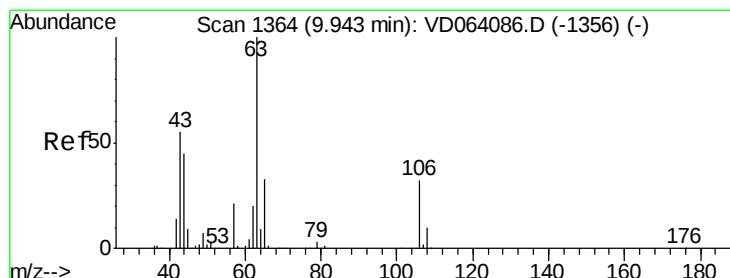
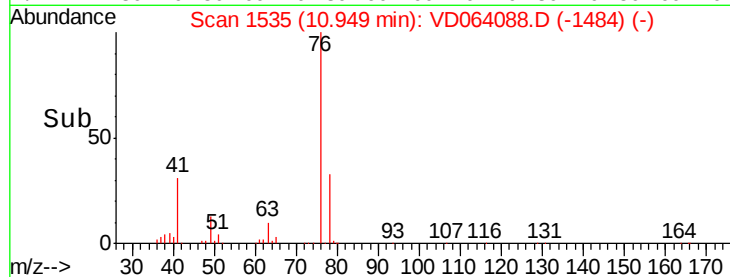
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 779.708 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064088.D

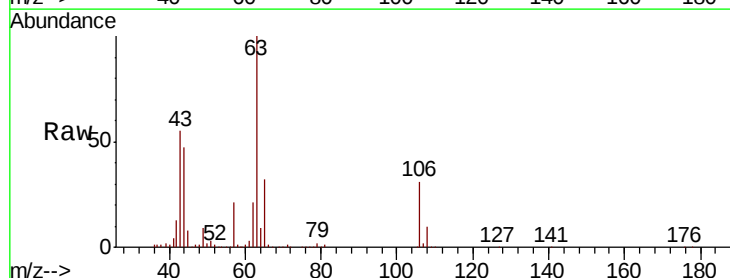
Acq: 29 Oct 2019 14:32

Tgt Ion: 63 Resp: 705563

Ion Ratio Lower Upper

63 100

106 32.2 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

400000

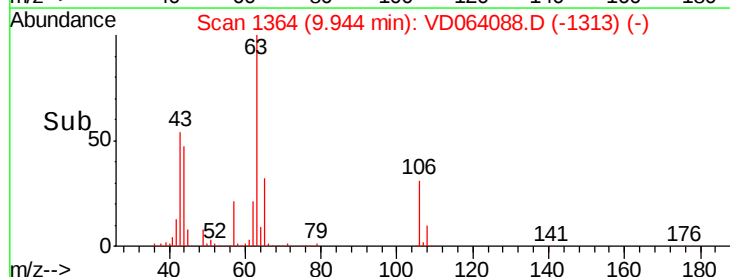
300000

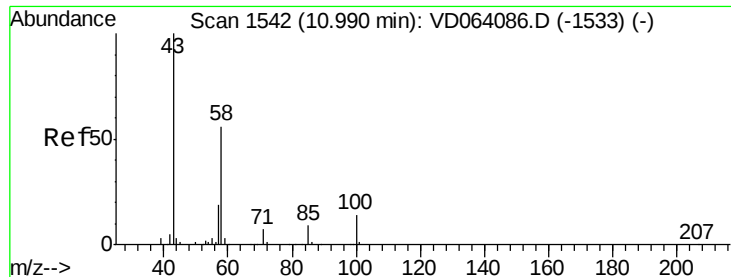
200000

100000

0

Time-->

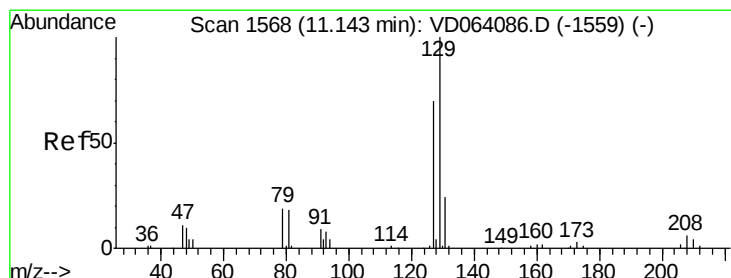
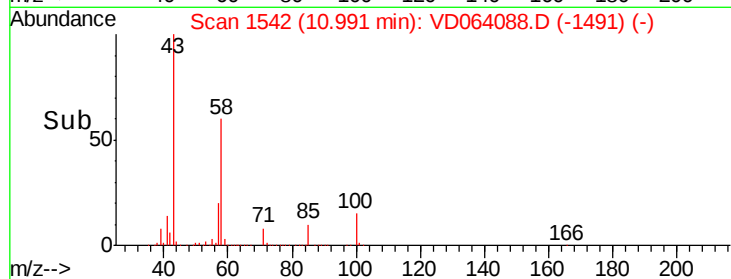
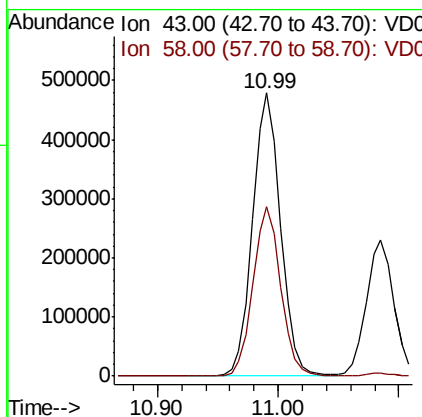
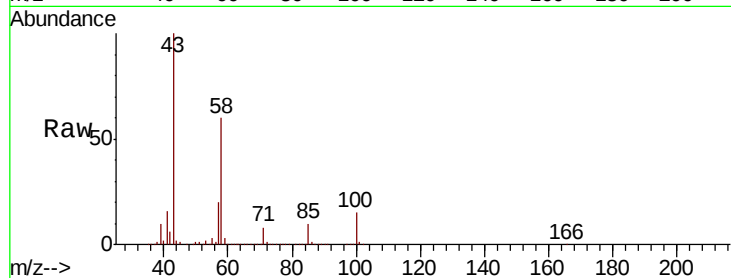




#59  
2-Hexanone  
Concen: 837.750 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

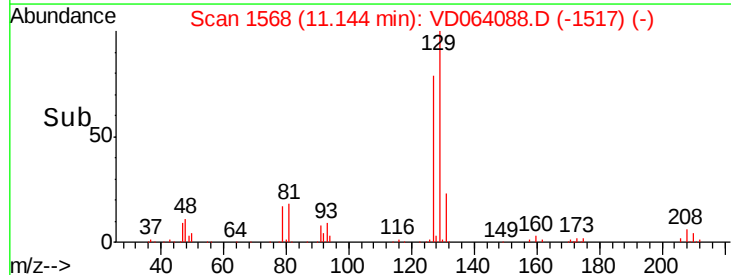
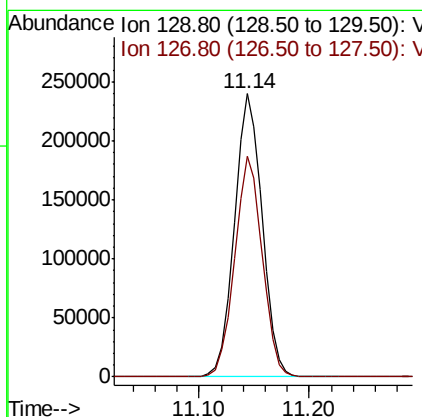
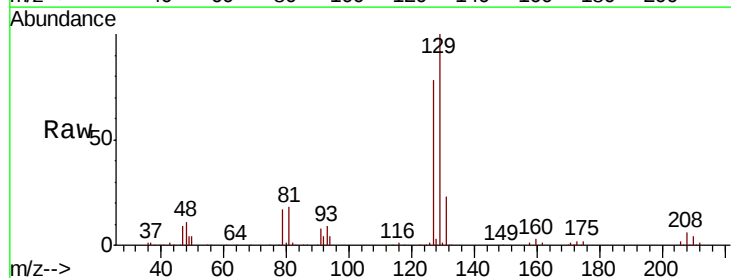
Instrument :  
MSVOA\_D  
ClientSampleId :

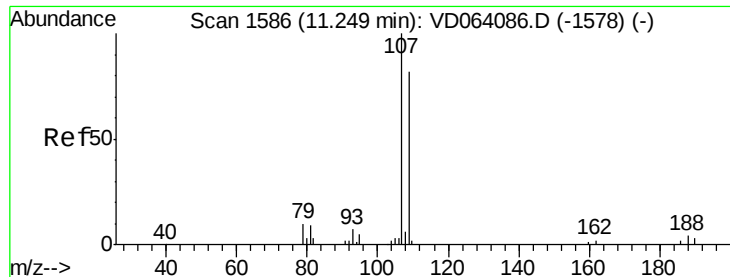
Tot Ion: 43 Resp: 773877  
Ion Ratio Lower Upper  
43 100  
58 59.4 29.2 87.6



#60  
Dibromochloromethane  
Concen: 150.647 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Tgt Ion: 129 Resp: 422334  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.3 114.8

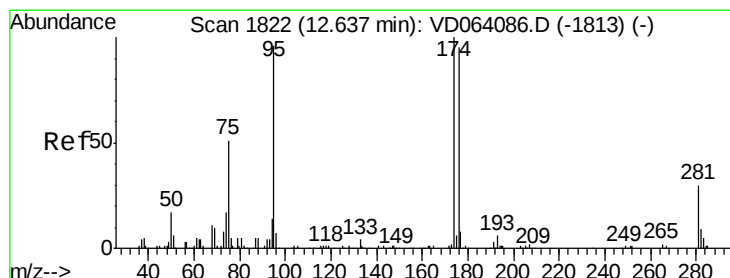
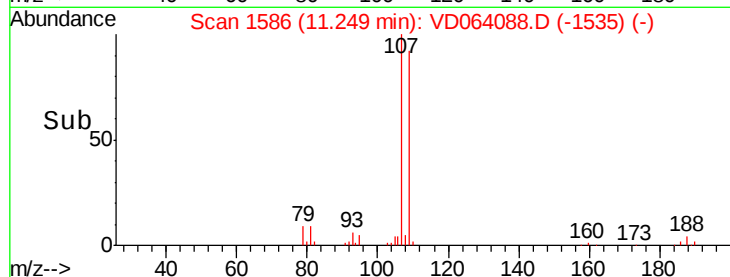
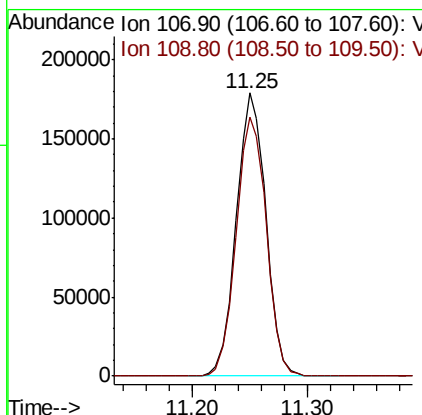
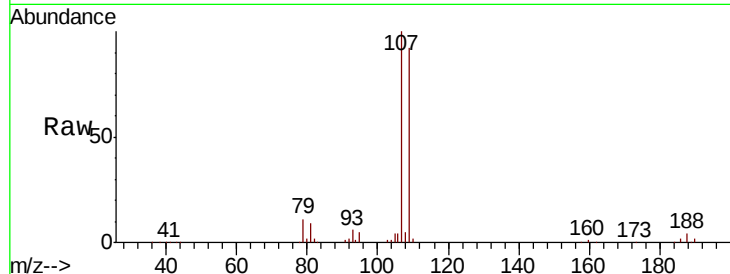




#61  
 1,2-Dibromoethane  
 Concen: 153.307 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. 0.00 min  
 Lab File: VD064088.D  
 Acq: 29 Oct 2019 14:32

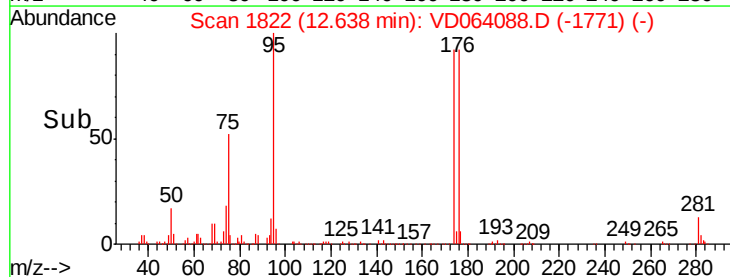
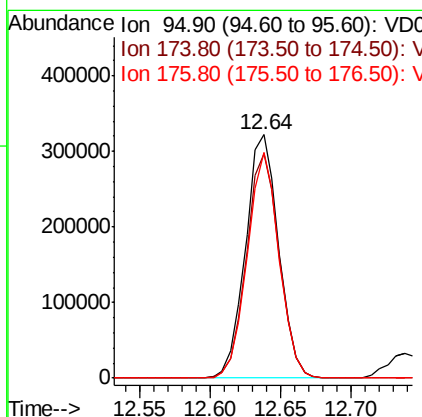
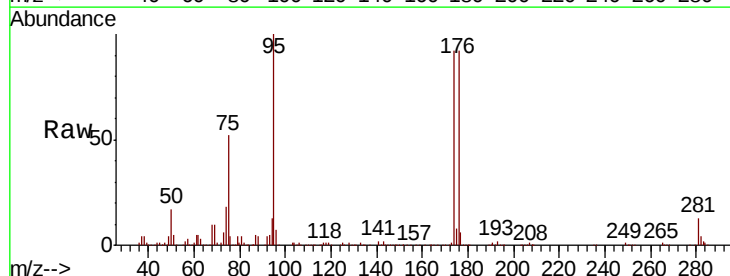
Instrument :  
 MSVOA\_D  
 ClientSampleId :

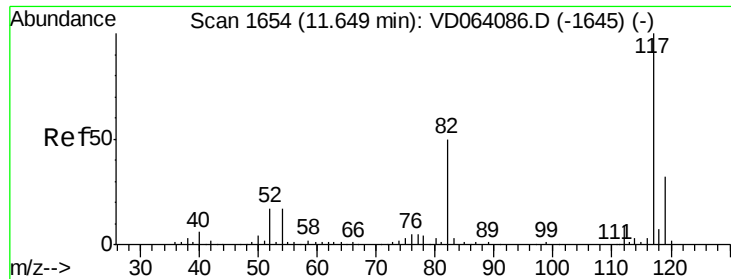
Tot Ion: 107 Resp: 316706  
 Ion Ratio Lower Upper  
 107 100  
 109 93.6 73.0 109.4



#62  
 4-Bromofluorobenzene  
 Concen: 158.871 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. 0.00 min  
 Lab File: VD064088.D  
 Acq: 29 Oct 2019 14:32

Tgt Ion: 95 Resp: 529352  
 Ion Ratio Lower Upper  
 95 100  
 174 91.5 0.0 201.6  
 176 89.6 0.0 192.6

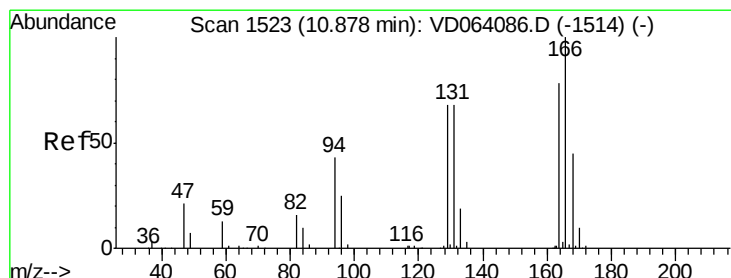
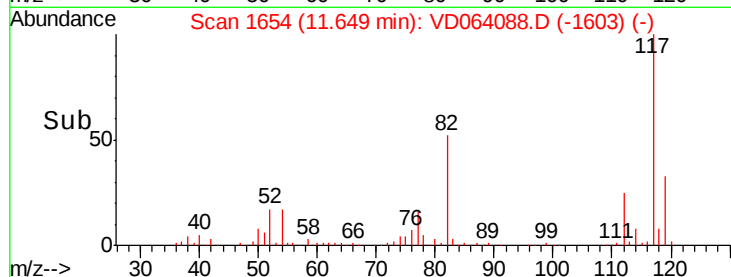
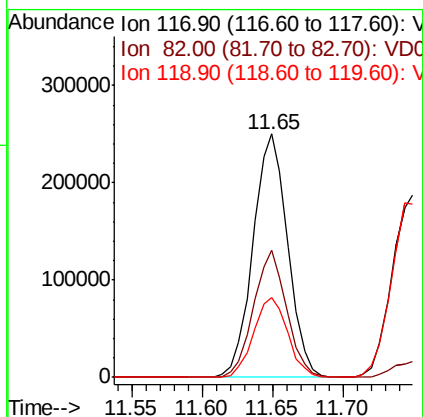
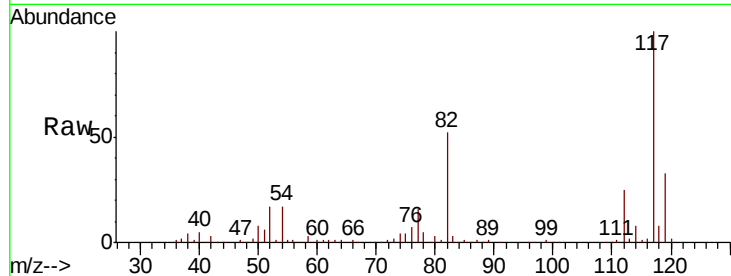




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

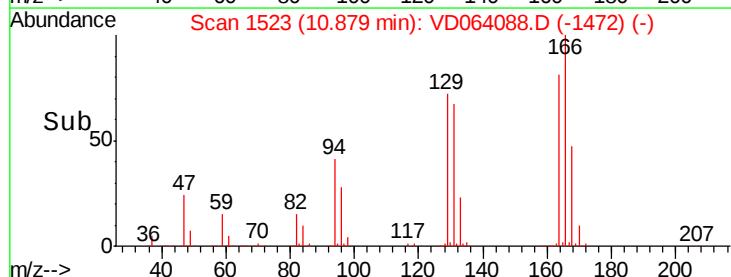
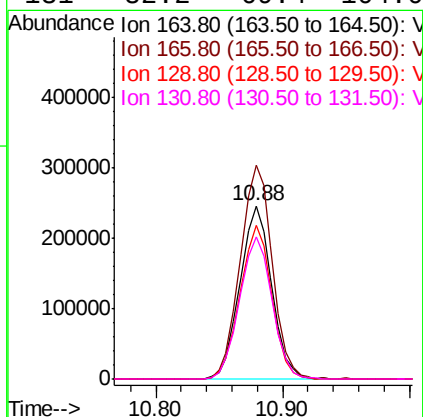
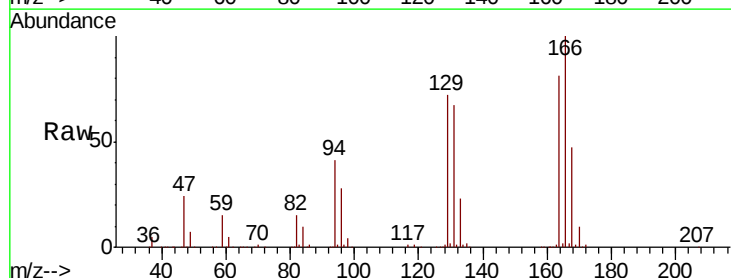
Instrument :  
MSVOA\_D  
ClientSampleId :

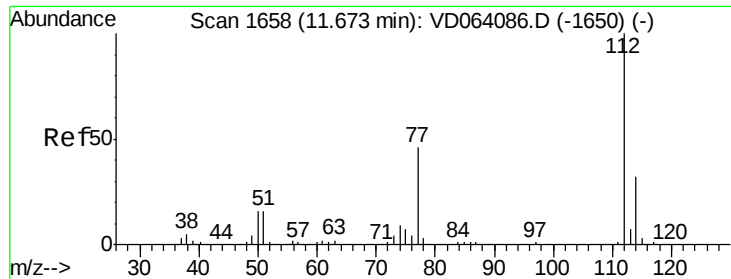
Tot Ion:117 Resp: 430999  
Ion Ratio Lower Upper  
117 100  
82 52.0 40.2 60.4  
119 32.8 26.0 39.0



#64  
Tetrachloroethene  
Concen: 136.892 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Tgt Ion:164 Resp: 423861  
Ion Ratio Lower Upper  
164 100  
166 123.2 102.7 154.1  
129 88.4 69.8 104.6  
131 82.2 69.4 104.0

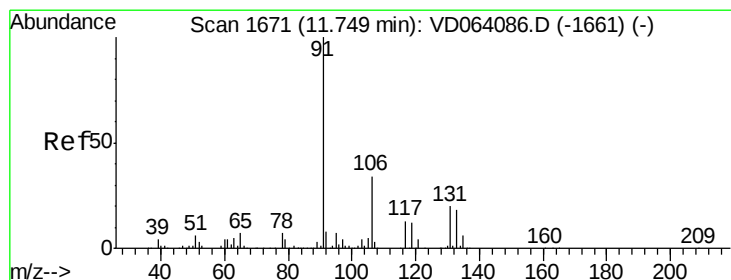
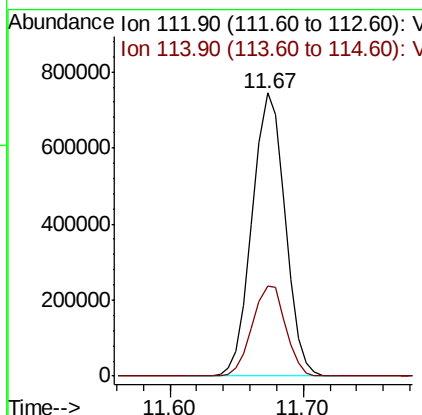
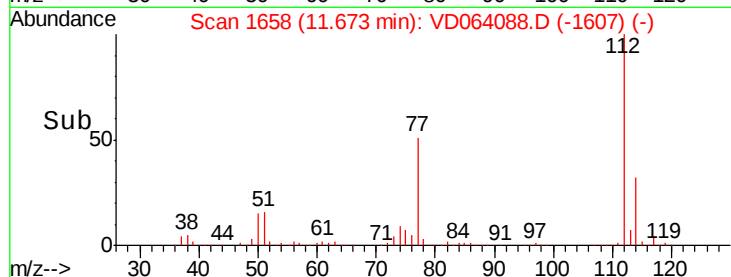
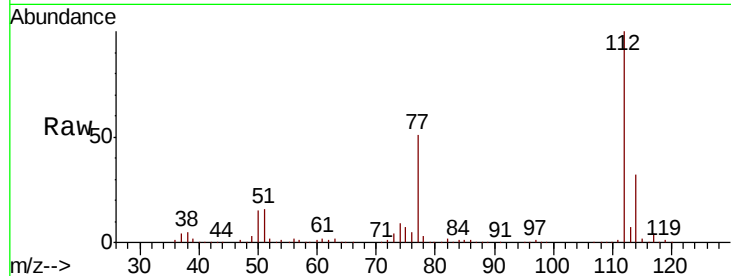




#65  
Chlorobenzene  
Concen: 142.471 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

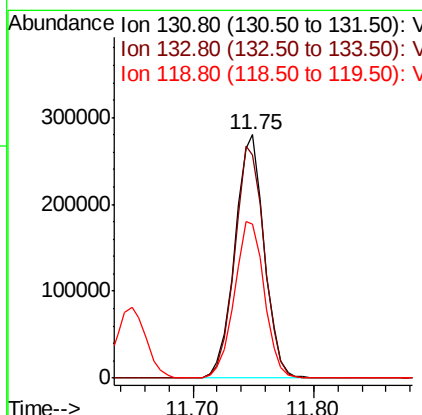
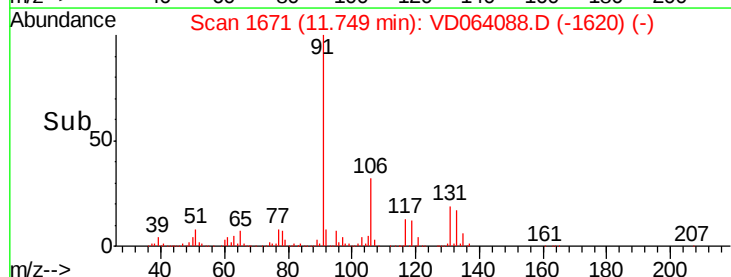
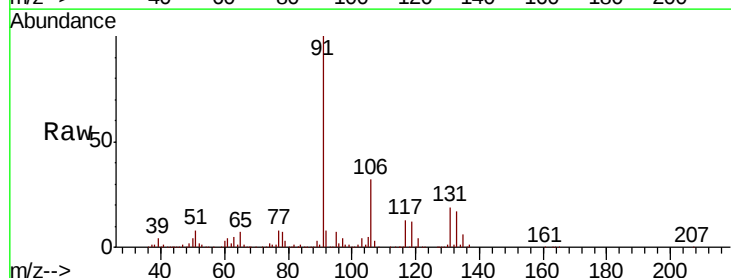
Instrument :  
MSVOA\_D  
ClientSampleId :

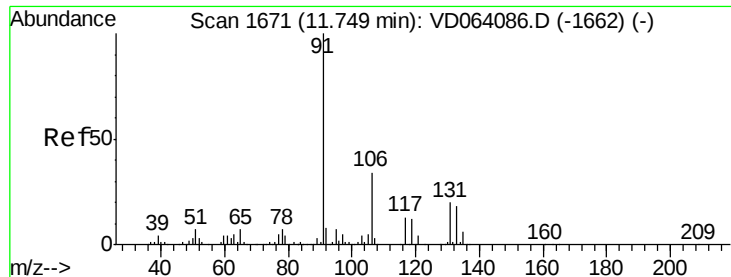
Tot Ion:112 Resp: 1268767  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 142.176 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Tgt Ion:131 Resp: 473766  
Ion Ratio Lower Upper  
131 100  
133 96.3 47.6 142.9  
119 65.6 31.4 94.3

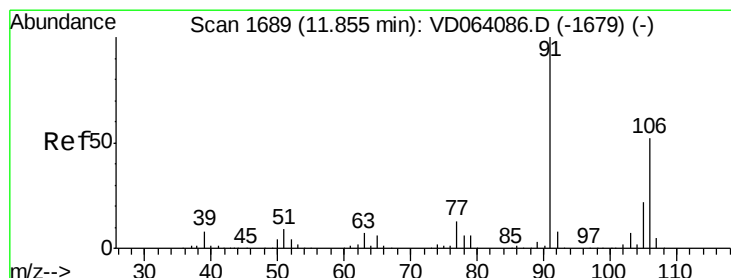
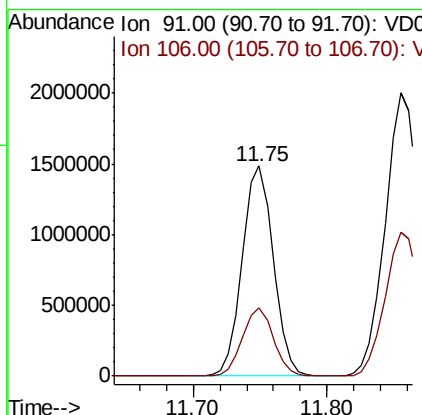
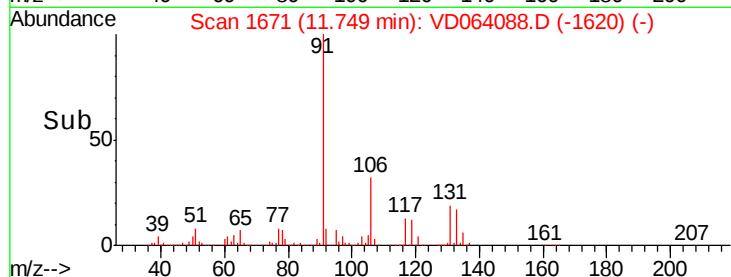
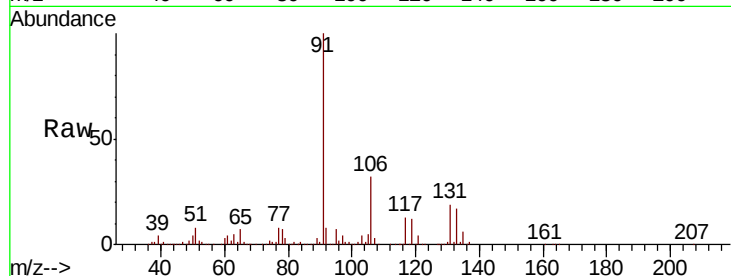




#67  
Ethyl Benzene  
Concen: 150.754 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

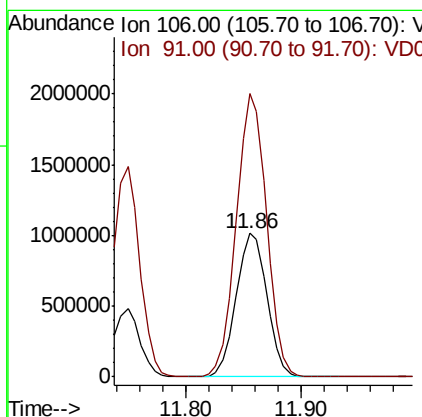
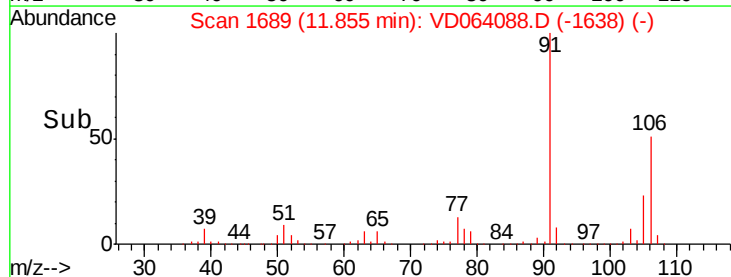
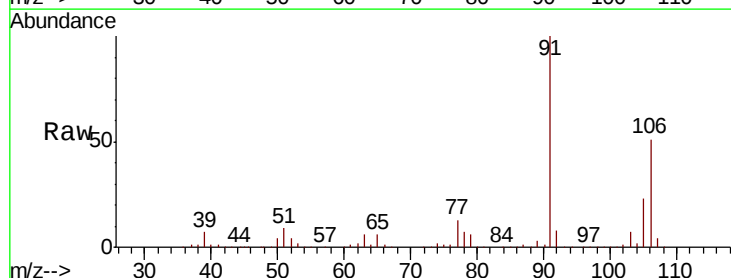
Instrument :  
MSVOA\_D  
ClientSampled :

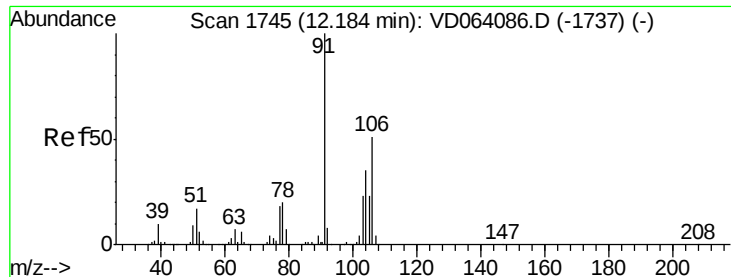
Tot Ion: 91 Resp: 2387907  
Ion Ratio Lower Upper  
91 100  
106 32.4 27.0 40.6



#68  
m/p-Xylenes  
Concen: 294.640 ug/l  
RT: 11.86 min Scan# 1689  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Tgt Ion: 106 Resp: 1877195  
Ion Ratio Lower Upper  
106 100  
91 193.3 154.0 231.0

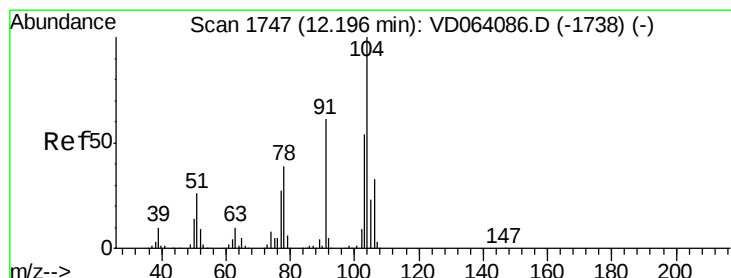
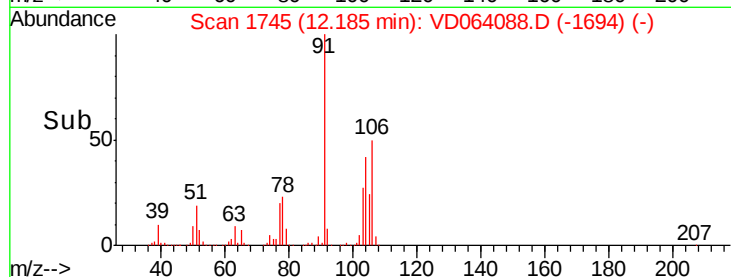
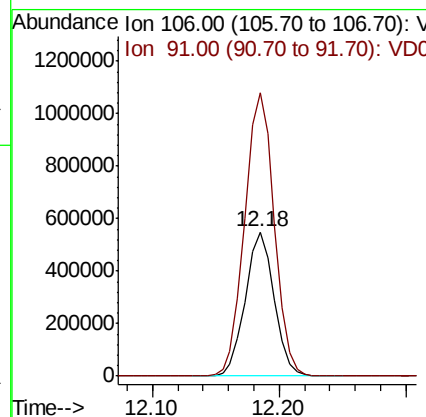
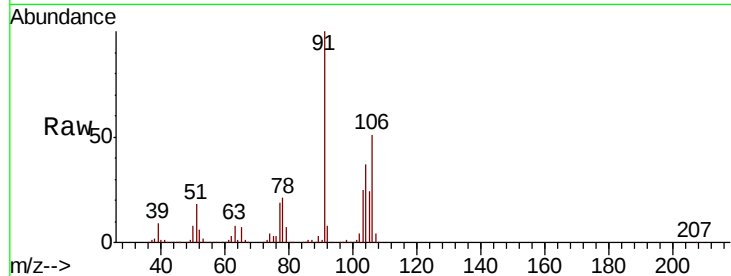




#69  
o-Xylene  
Concen: 148.745 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

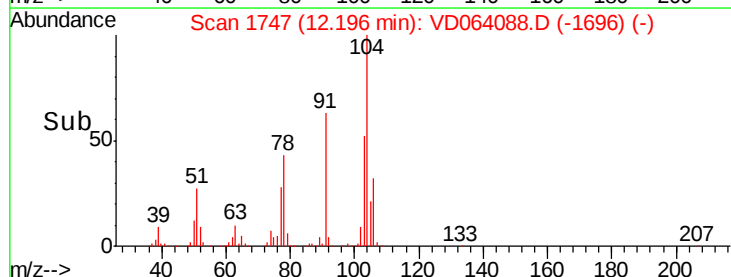
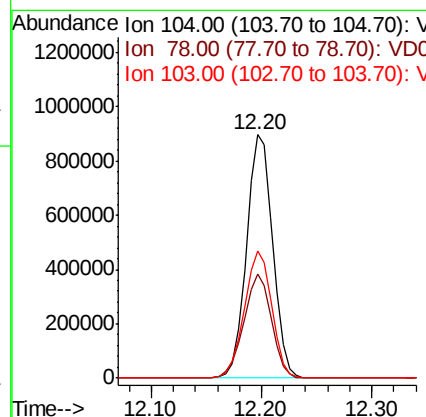
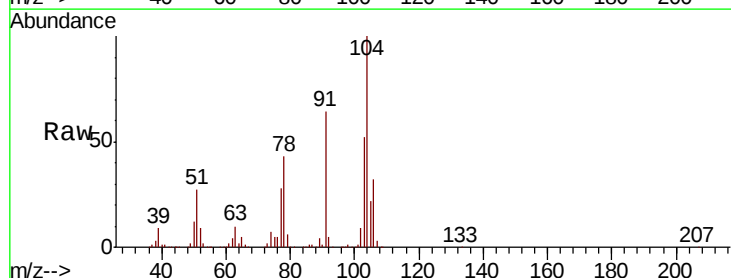
Instrument :  
MSVOA\_D  
ClientSampled :

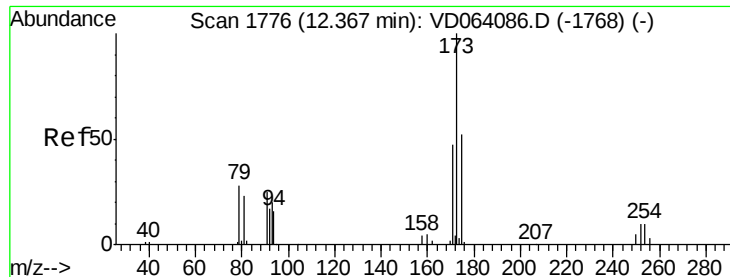
Tot Ion:106 Resp: 864878  
Ion Ratio Lower Upper  
106 100  
91 202.2 100.6 301.9



#70  
Styrene  
Concen: 148.601 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Tgt Ion:104 Resp: 1490201  
Ion Ratio Lower Upper  
104 100  
78 45.3 34.6 51.8  
103 55.1 44.2 66.2





#71

Bromoform

Concen: 142.680 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

ClientSampleId :

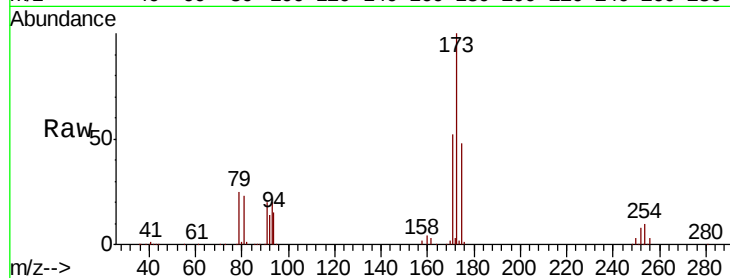
Tot Ion:173 Resp: 253919

Ion Ratio Lower Upper

173 100

175 49.3 24.3 72.9

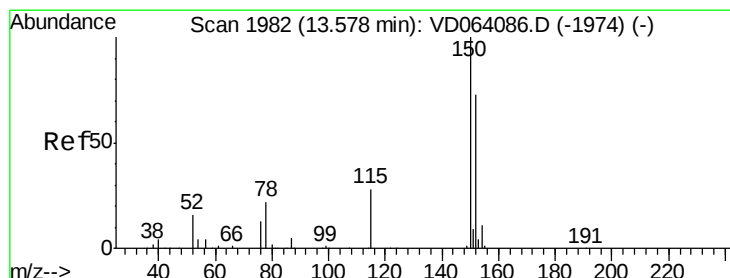
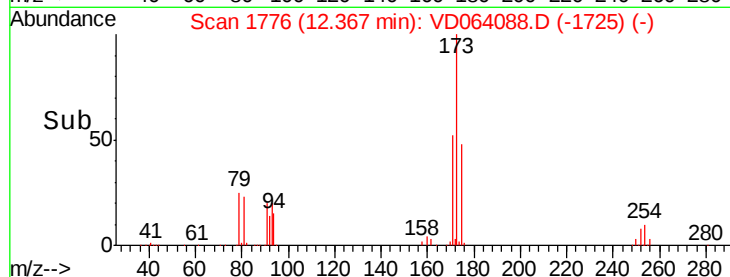
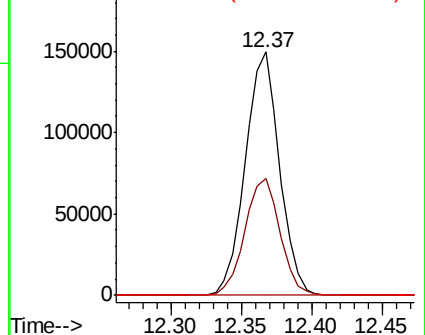
254 0.2 0.0 0.0#



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: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

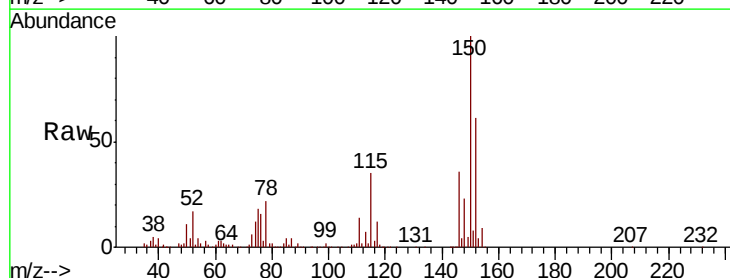
Tgt Ion:152 Resp: 218709

Ion Ratio Lower Upper

152 100

115 57.0 26.2 78.6

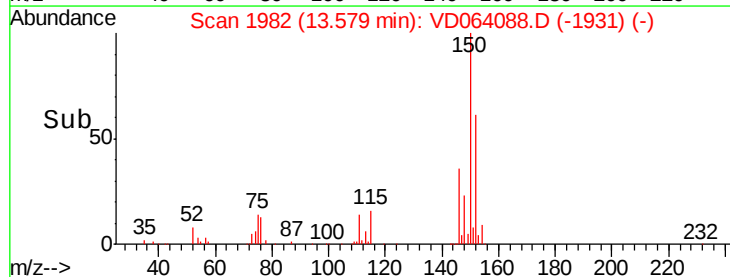
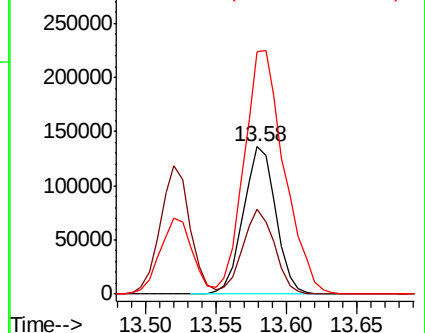
150 204.7 0.0 338.8

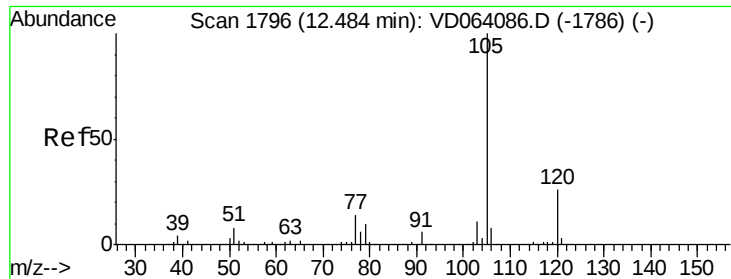


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 153.663 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

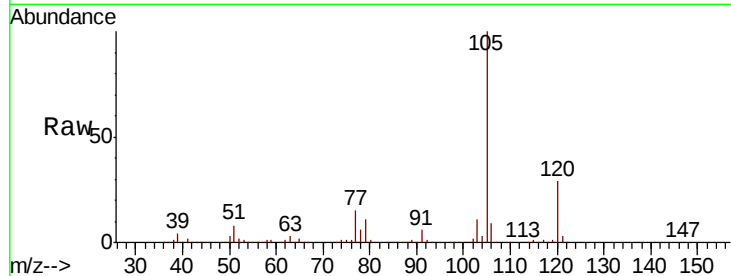
ClientSampleId :

Tot Ion:105 Resp: 2335379

Ion Ratio Lower Upper

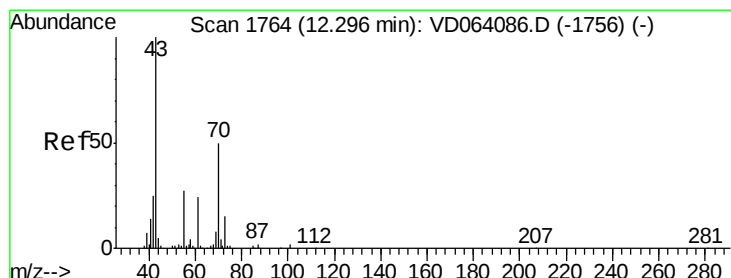
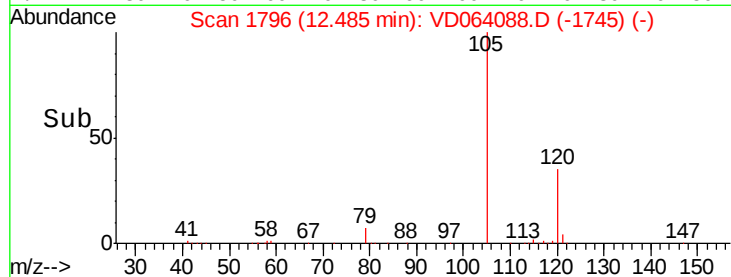
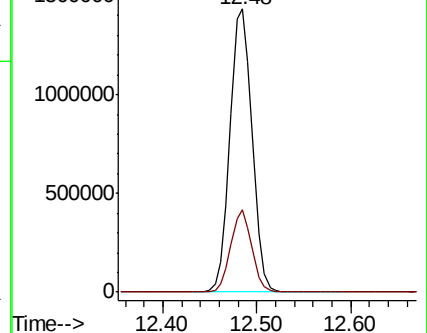
105 100

120 27.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 163.494 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Tgt Ion: 43 Resp: 412800

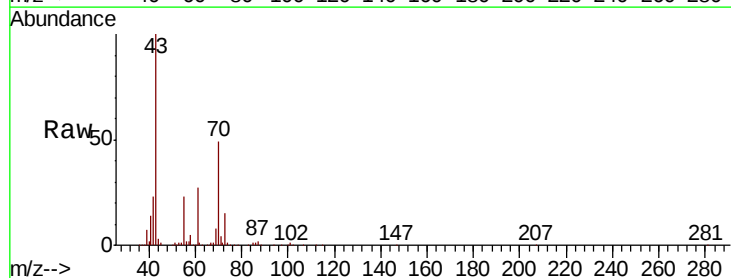
Ion Ratio Lower Upper

43 100

70 49.1 38.6 58.0

55 24.6 20.4 30.6

61 27.4 20.8 31.2

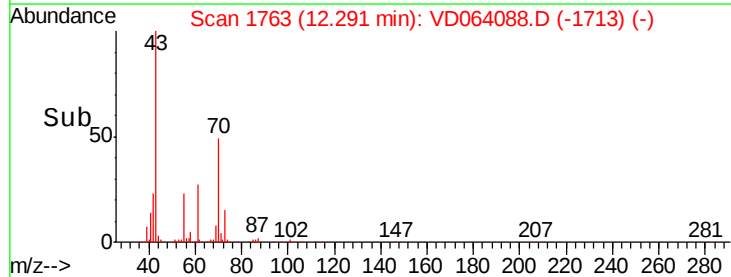
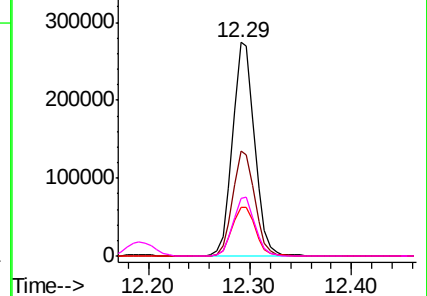


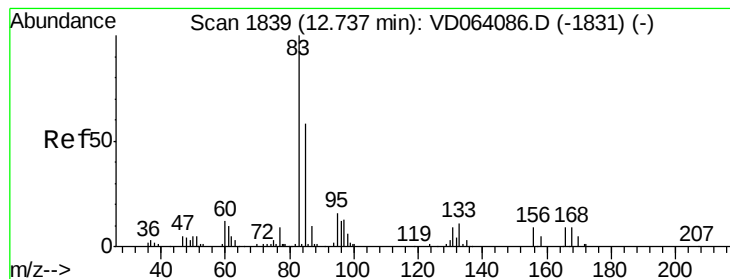
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 151.371 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

ClientSampleId :

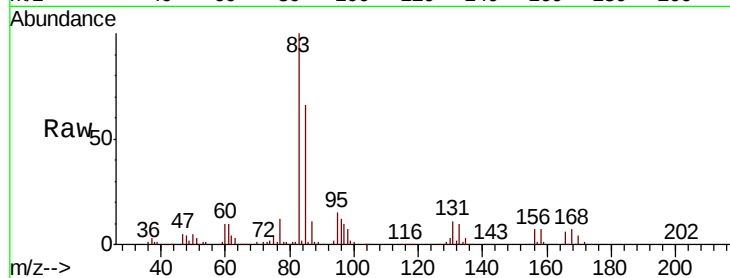
Tot Ion: 83 Resp: 362617

Ion Ratio Lower Upper

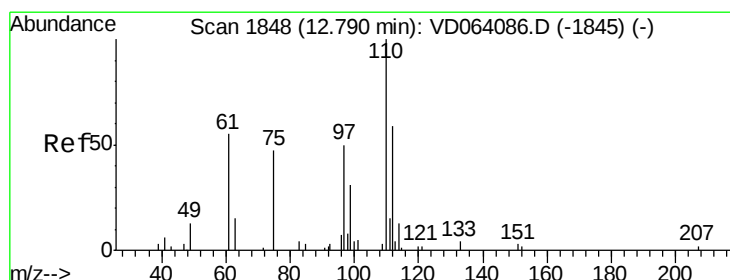
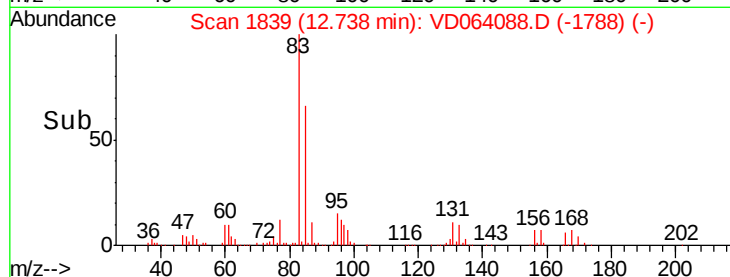
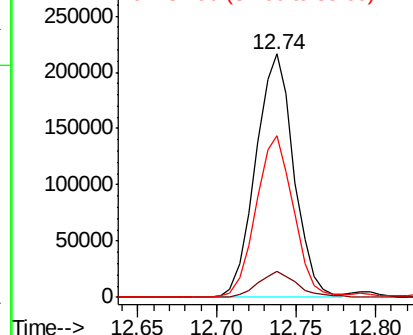
83 100

131 10.9 5.7 17.0

85 65.5 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VDC  
Ion 130.80 (130.50 to 131.50): VDC  
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 174.155 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064088.D

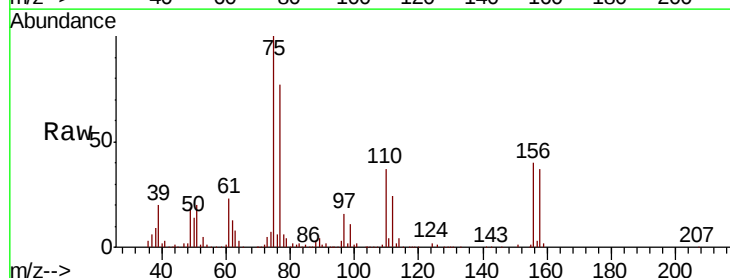
Acq: 29 Oct 2019 14:32

Tgt Ion: 75 Resp: 472585

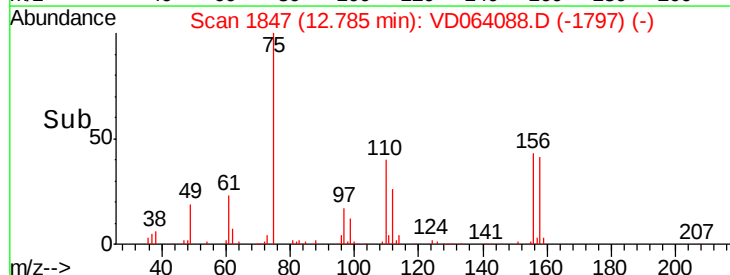
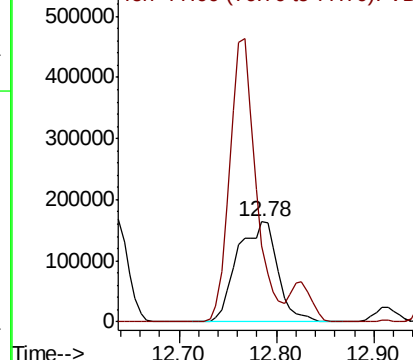
Ion Ratio Lower Upper

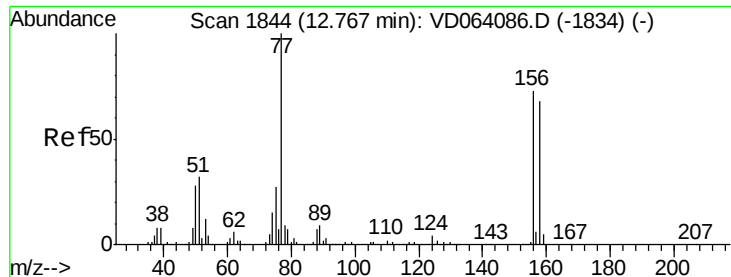
75 100

77 183.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC  
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 146.764 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

ClientSampled :

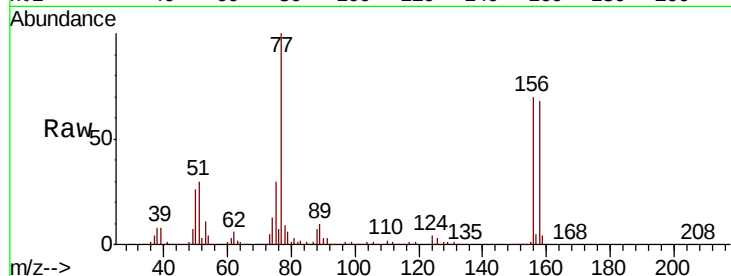
Tot Ion:156 Resp: 538549

Ion Ratio Lower Upper

156 100

77 161.0 76.0 228.0

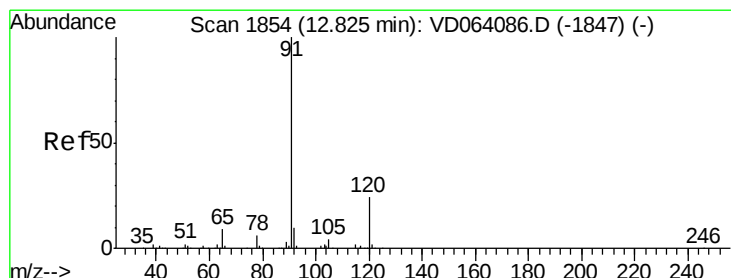
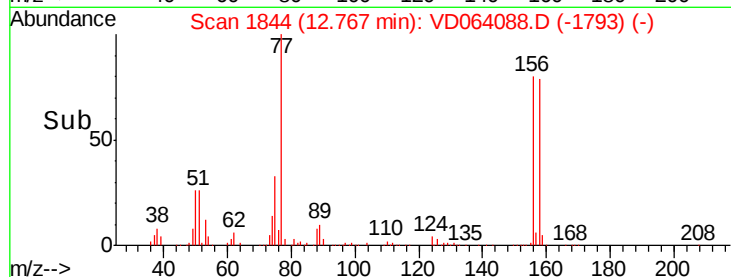
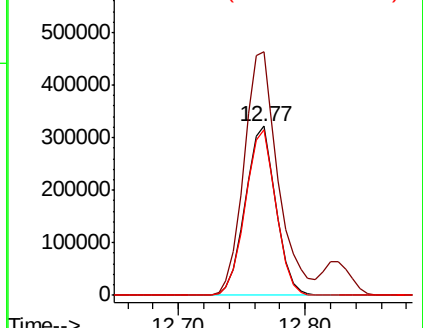
158 97.8 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 154.686 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064088.D

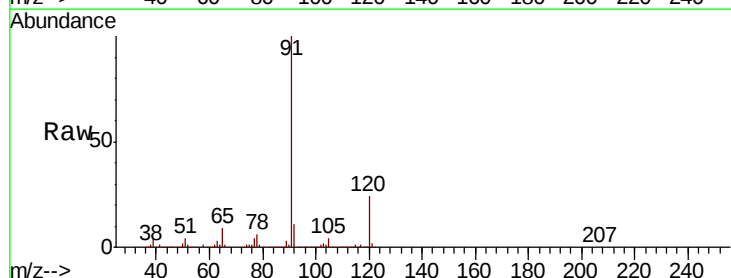
Acq: 29 Oct 2019 14:32

Tgt Ion: 91 Resp: 2755033

Ion Ratio Lower Upper

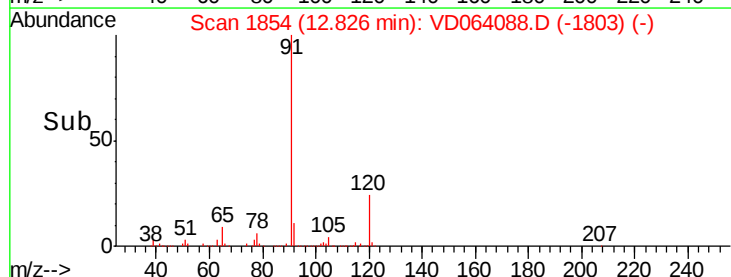
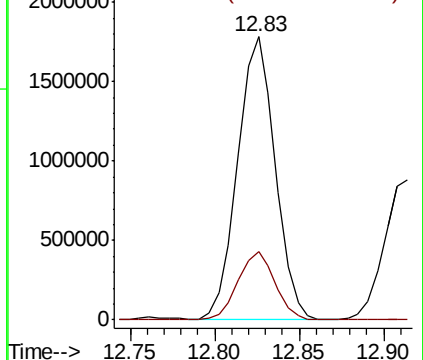
91 100

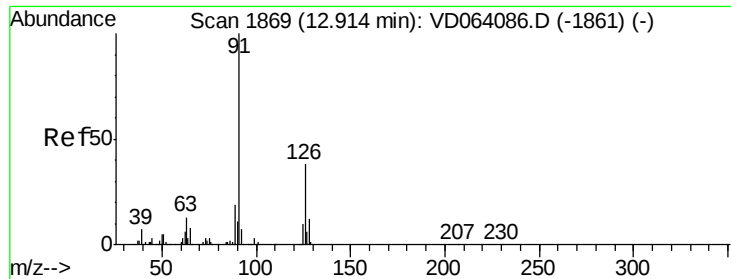
120 23.8 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

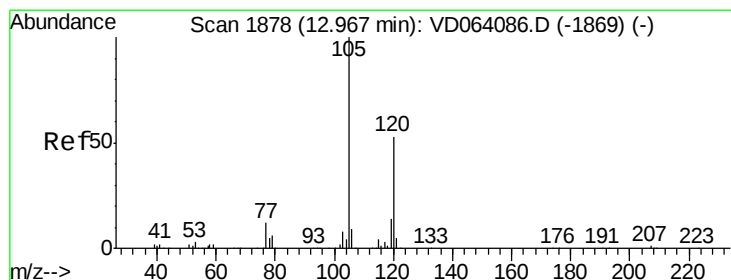
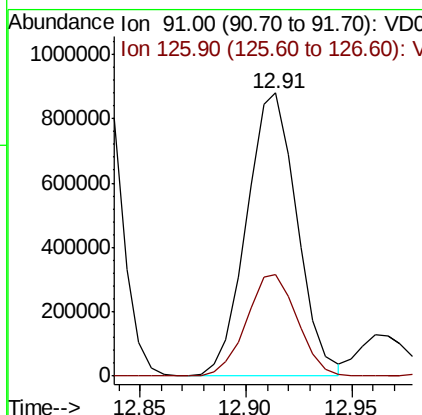
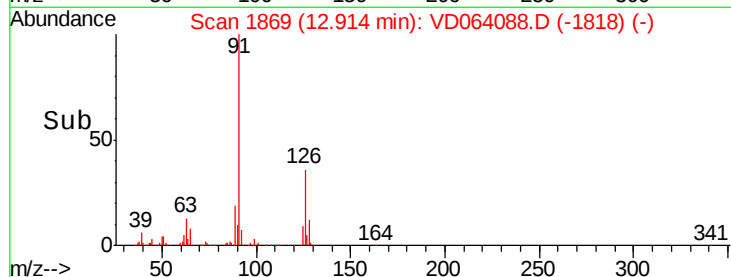
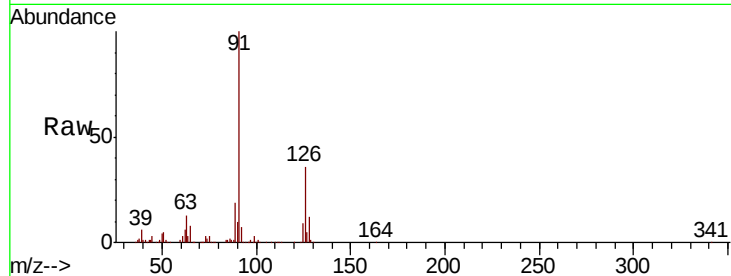




#79  
2-Chlorotoluene  
Concen: 152.896 ug/l  
RT: 12.91 min Scan# 1869  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

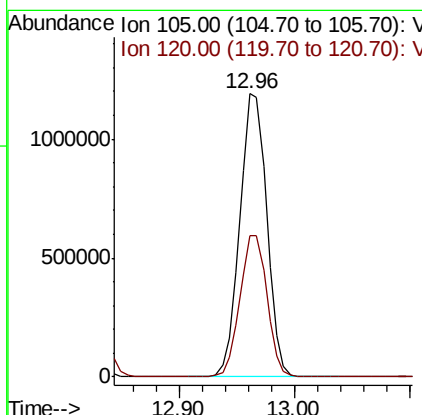
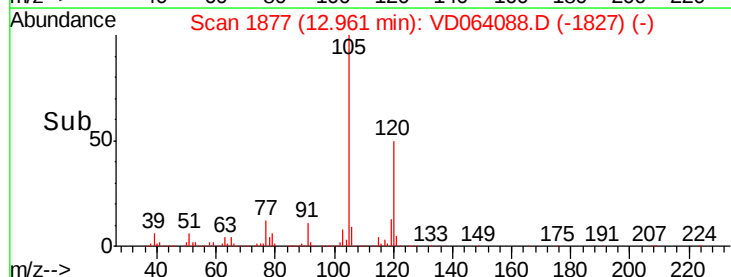
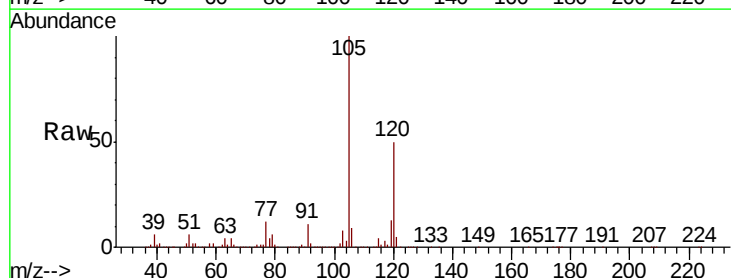
Instrument :  
MSVOA\_D  
ClientSampleId :

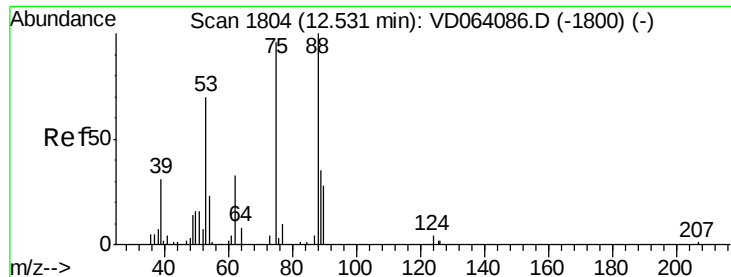
Tot Ion: 91 Resp: 1459740  
Ion Ratio Lower Upper  
91 100  
126 36.2 19.1 57.1



#80  
1,3,5-Trimethylbenzene  
Concen: 151.838 ug/l  
RT: 12.96 min Scan# 1877  
Delta R.T. -0.01 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Tgt Ion:105 Resp: 1931317  
Ion Ratio Lower Upper  
105 100  
120 50.3 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 168.849 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

ClientSampleId :

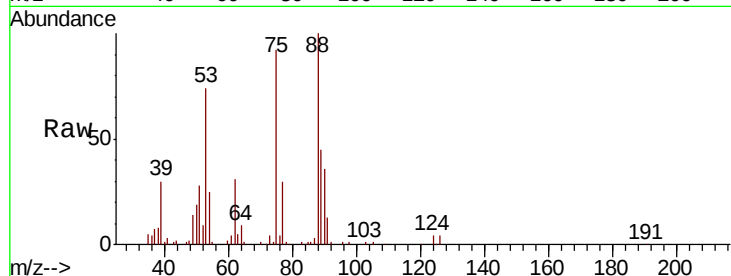
Tot Ion: 75 Resp: 121503

Ion Ratio Lower Upper

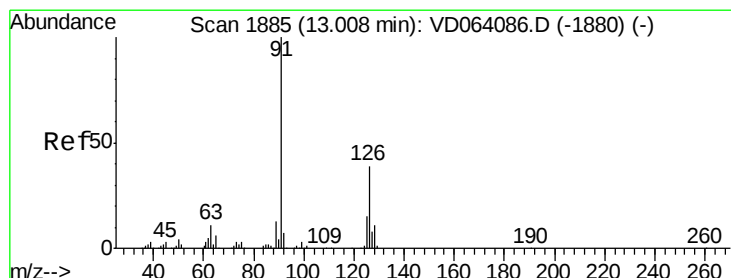
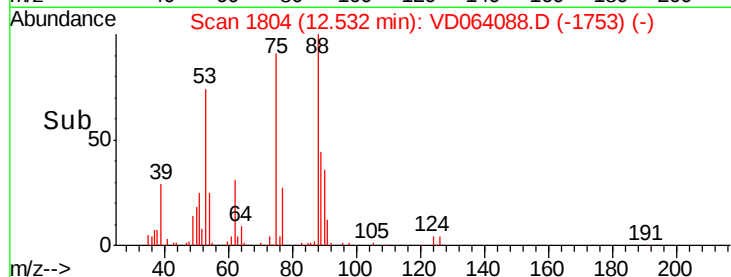
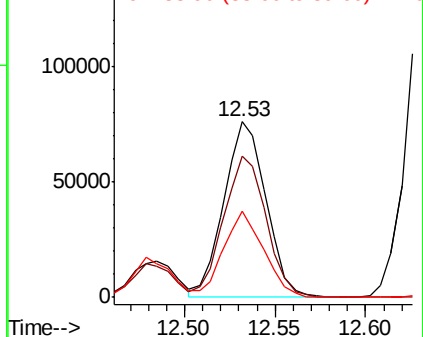
75 100

53 82.5 68.6 103.0

89 47.2 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VDC  
Ion 53.00 (52.70 to 53.70): VDC  
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 148.704 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD064088.D

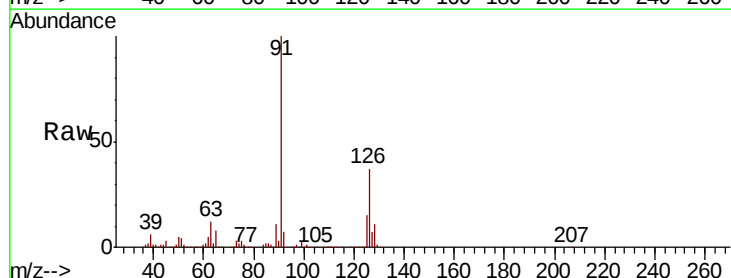
Acq: 29 Oct 2019 14:32

Tgt Ion: 91 Resp: 1517005

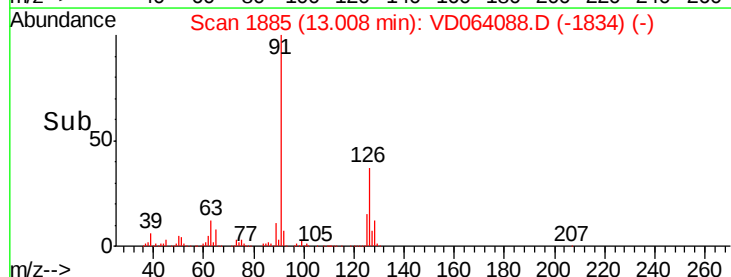
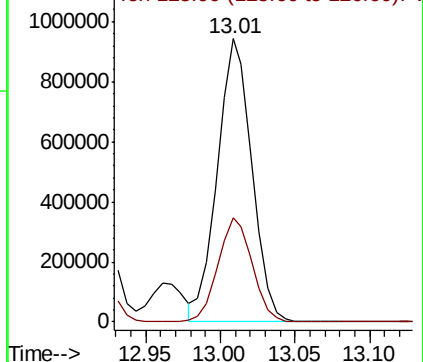
Ion Ratio Lower Upper

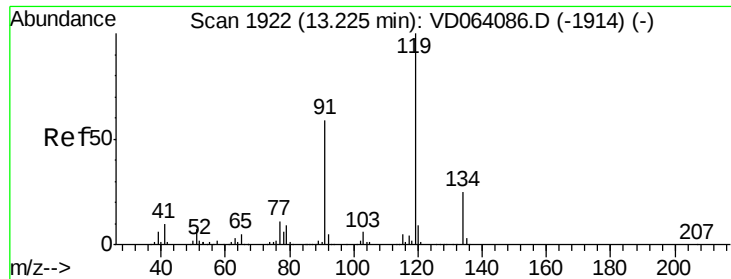
91 100

126 36.9 18.9 56.5



Abundance Ion 91.00 (90.70 to 91.70): VDC  
Ion 125.90 (125.60 to 126.60): V

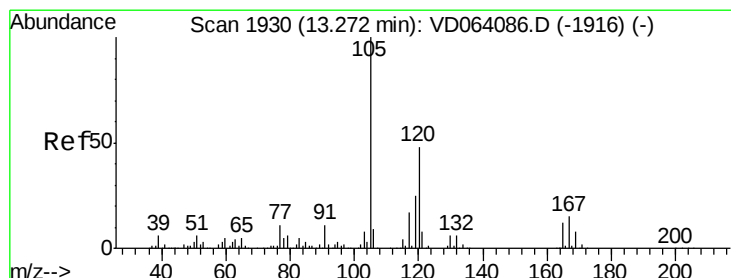
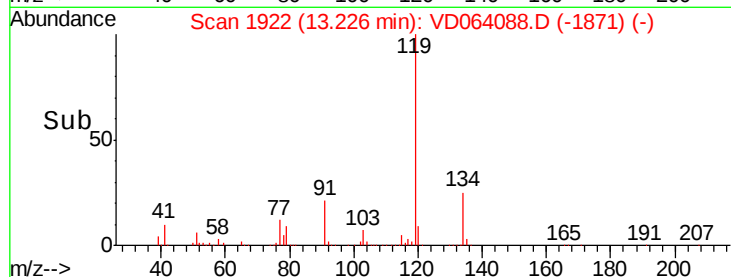
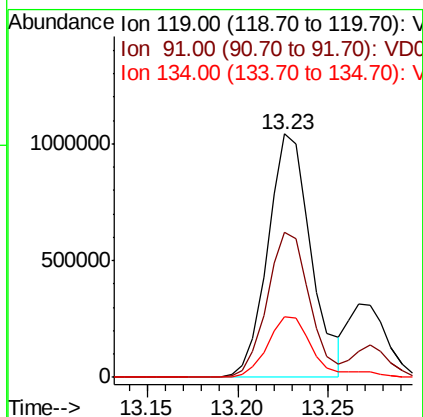
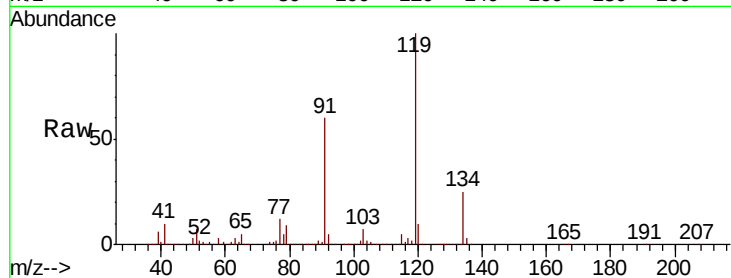




#83  
tert-Butylbenzene  
Concen: 151.230 ug/l  
RT: 13.23 min Scan# 1922  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

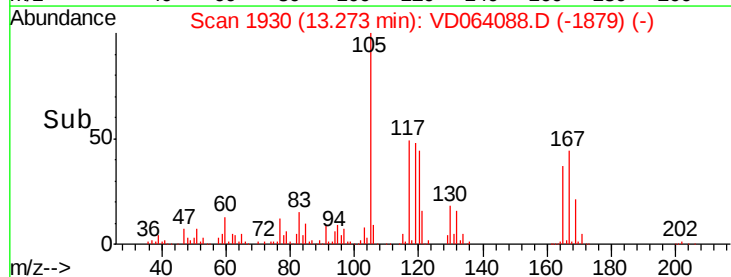
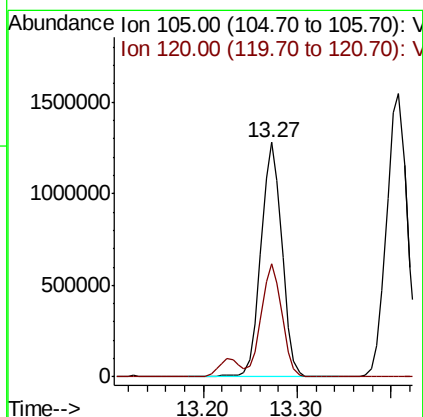
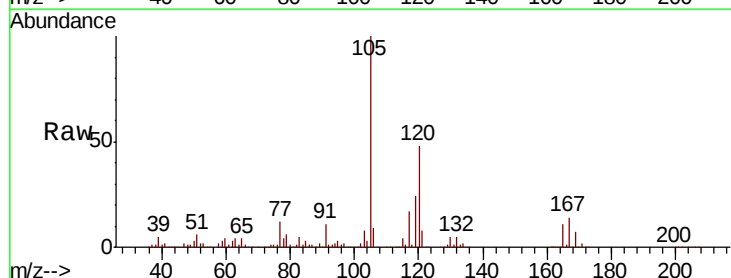
Instrument :  
MSVOA\_D  
ClientSampled :

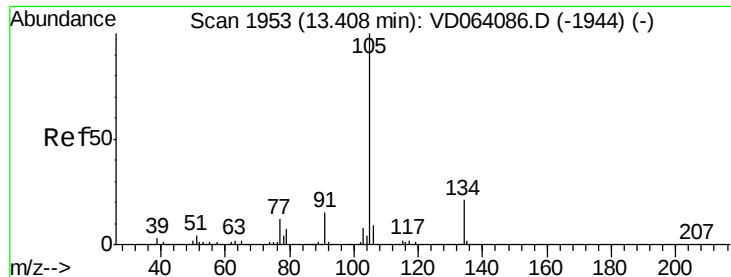
Tot Ion:119 Resp: 1727723  
Ion Ratio Lower Upper  
119 100  
91 58.5 28.3 85.0  
134 26.7 12.9 38.6



#84  
1,2,4-Trimethylbenzene  
Concen: 154.734 ug/l  
RT: 13.27 min Scan# 1930  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Tgt Ion:105 Resp: 1977139  
Ion Ratio Lower Upper  
105 100  
120 47.7 24.1 72.4





#85

sec-Butylbenzene

Concen: 152.226 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

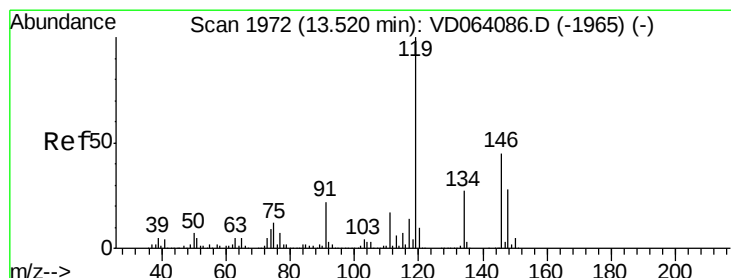
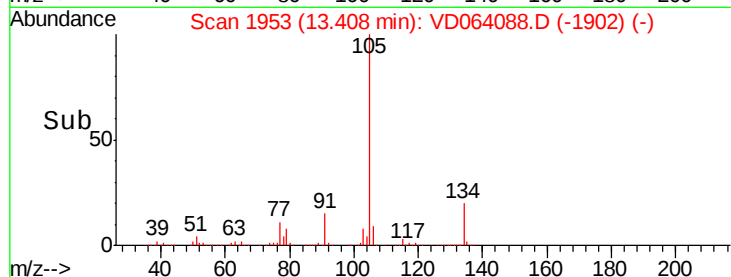
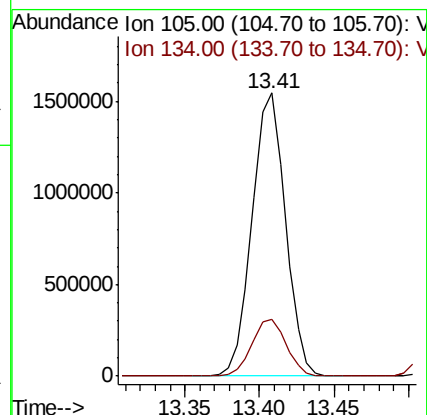
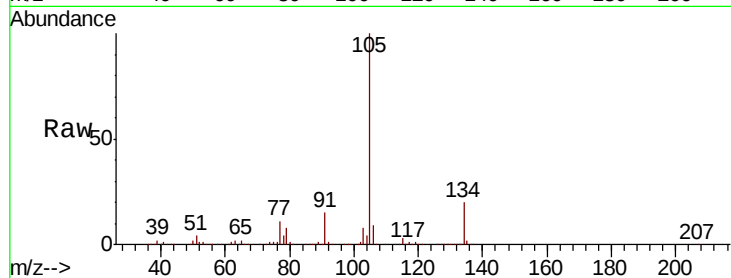
ClientSampleId :

Tot Ion:105 Resp: 2388260

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.2



#86

p-Isopropyltoluene

Concen: 154.863 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

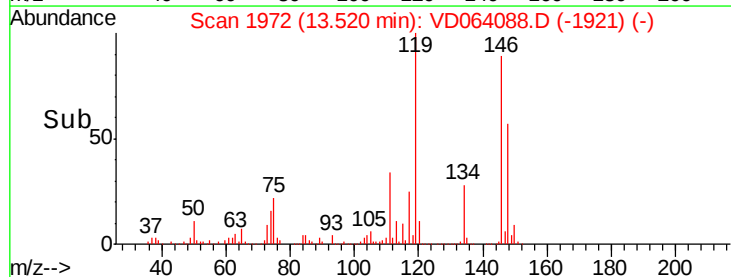
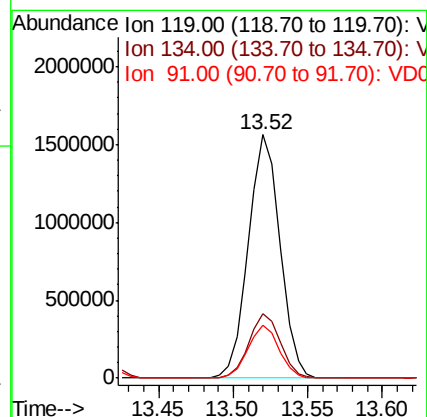
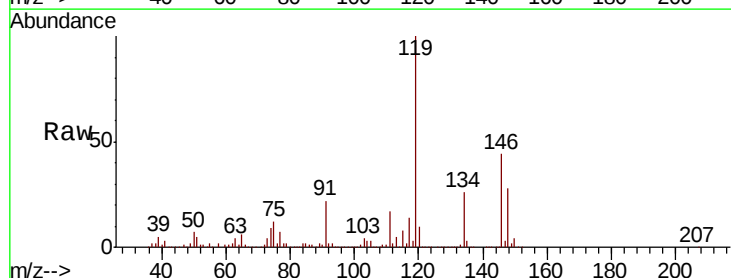
Tgt Ion:119 Resp: 2282836

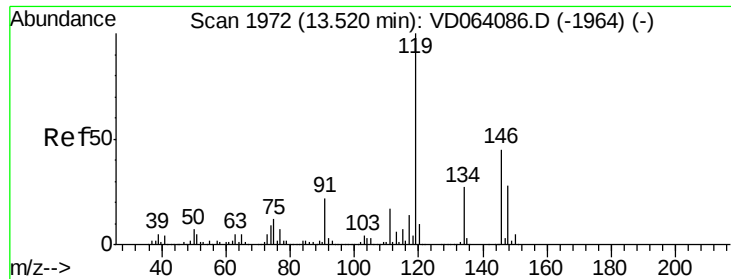
Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.8

91 21.5 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 147.440 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Instrument :

MSVOA\_D

ClientSampled :

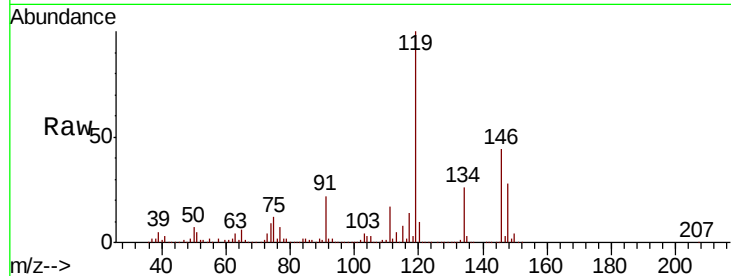
Tot Ion:146 Resp: 1084212

Ion Ratio Lower Upper

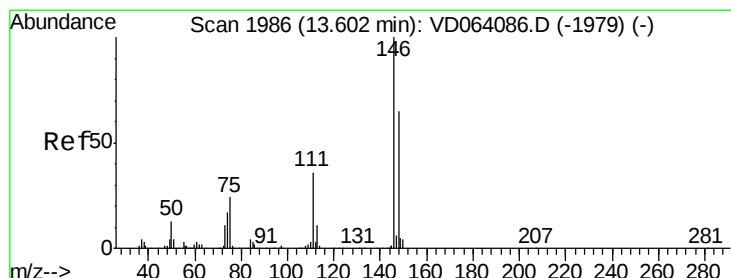
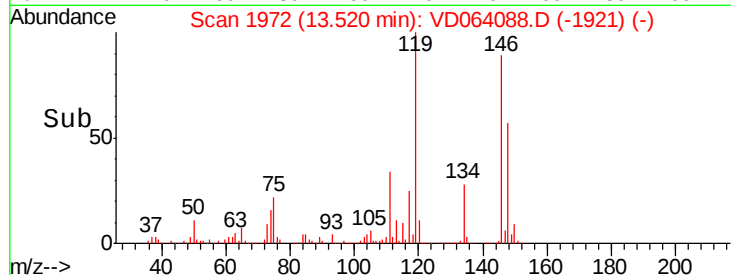
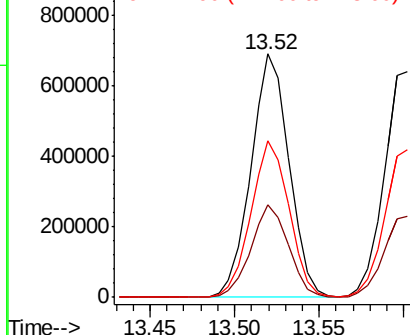
146 100

111 37.4 18.9 56.9

148 64.2 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 143.621 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

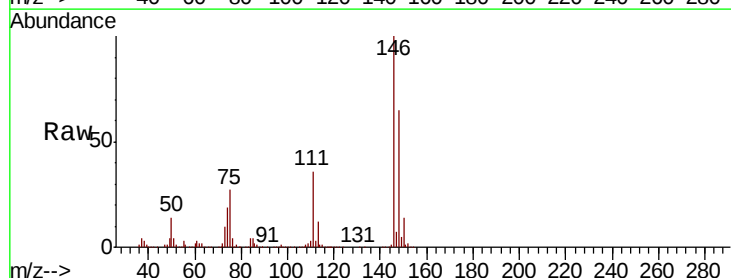
Tgt Ion:146 Resp: 1041112

Ion Ratio Lower Upper

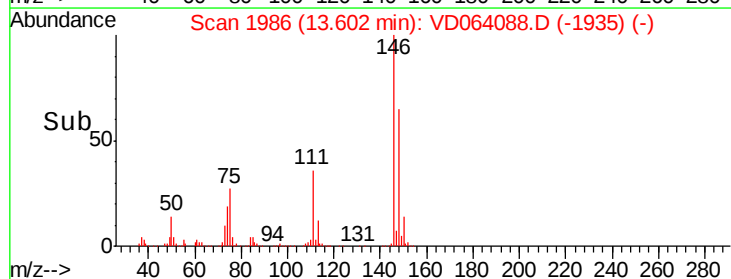
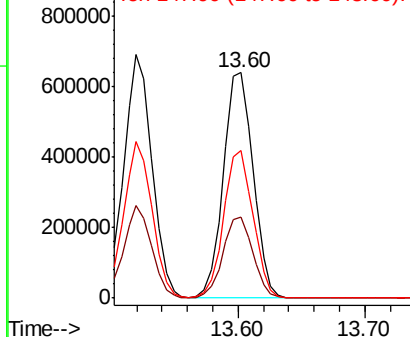
146 100

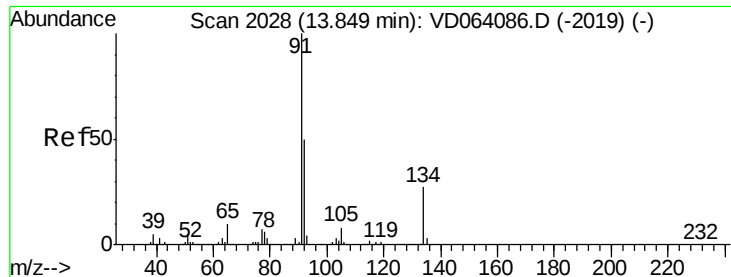
111 36.0 18.4 55.4

148 64.4 32.4 97.0



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

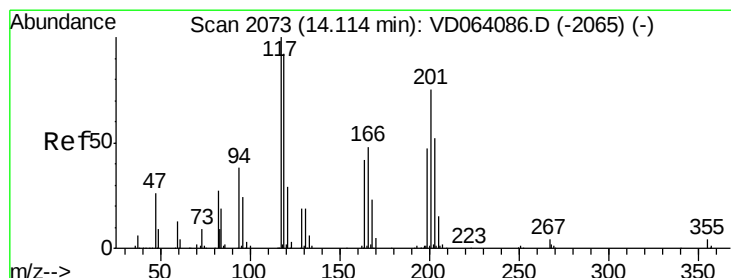
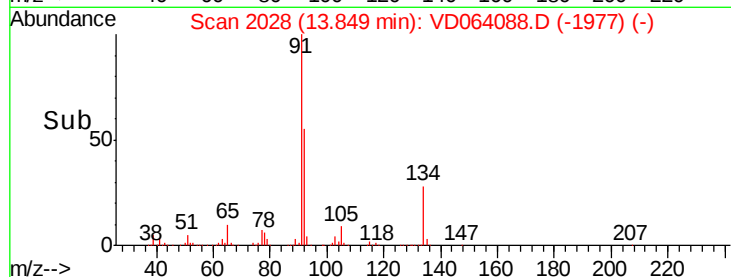
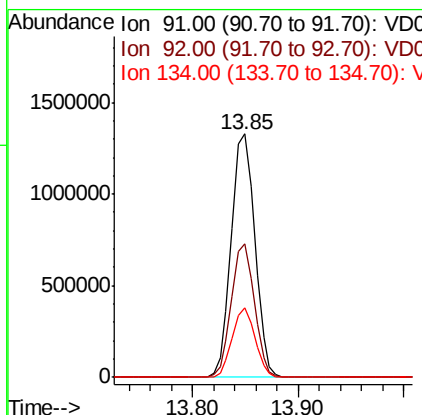
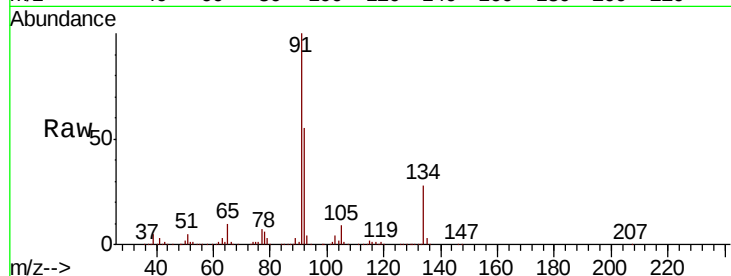




#89  
n-Butylbenzene  
Concen: 150.908 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. 0.00 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

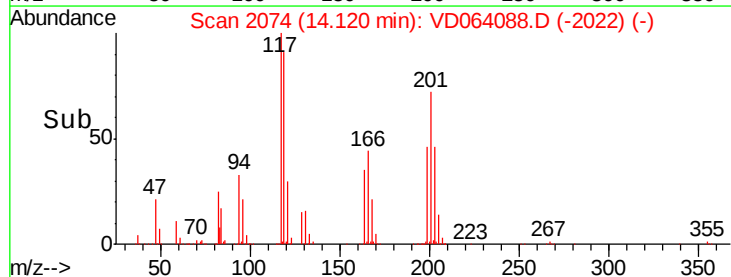
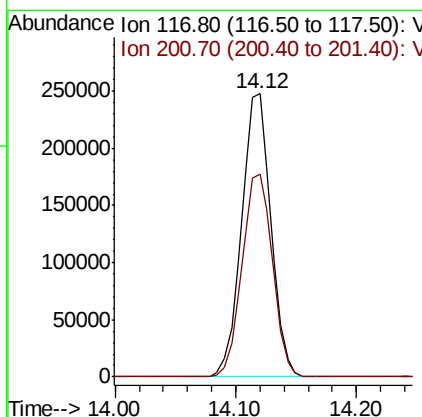
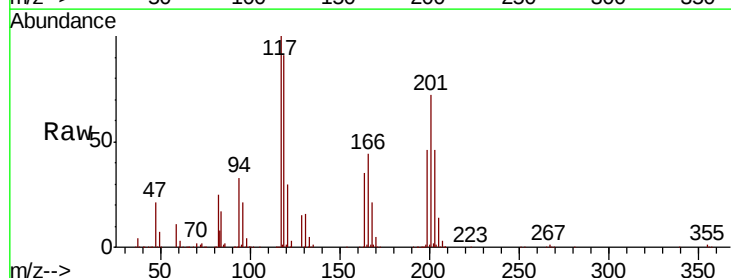
Instrument :  
MSVOA\_D  
ClientSampleId :

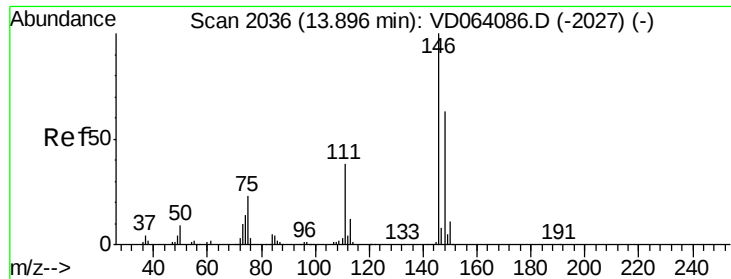
Tot Ion: 91 Resp: 2051822  
Ion Ratio Lower Upper  
91 100  
92 53.5 25.6 76.6  
134 27.3 14.0 42.0



#90  
Hexachloroethane  
Concen: 152.245 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.01 min  
Lab File: VD064088.D  
Acq: 29 Oct 2019 14:32

Tgt Ion: 117 Resp: 420175  
Ion Ratio Lower Upper  
117 100  
201 74.4 38.4 115.2

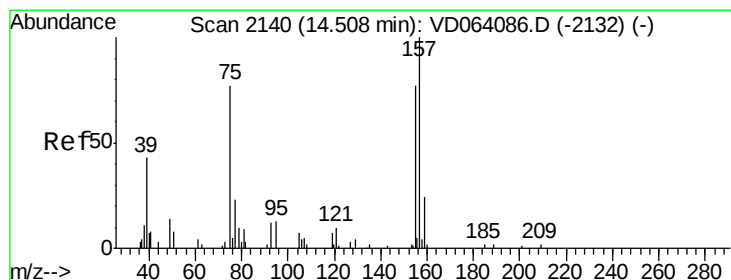
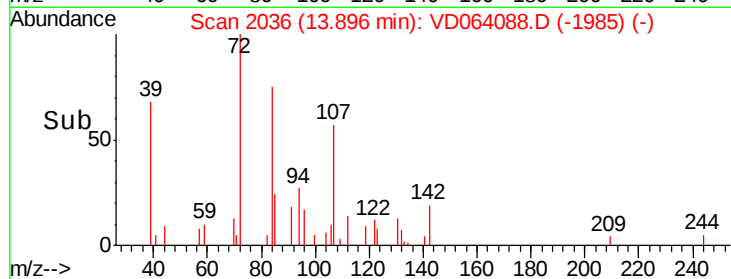
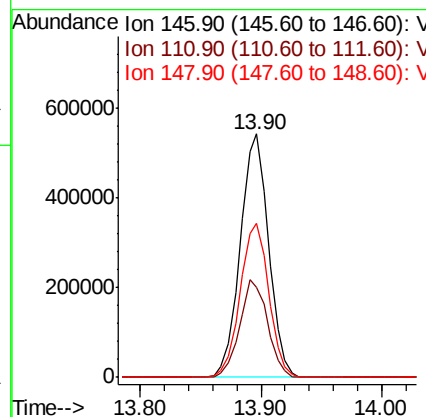
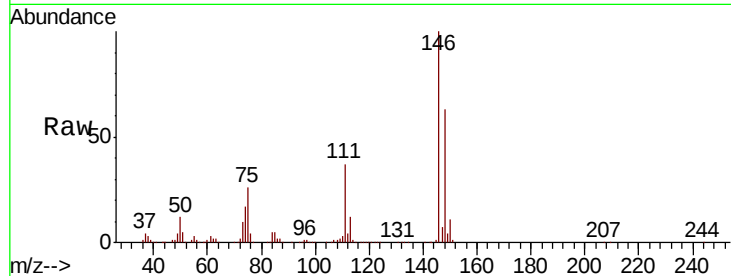




#91  
 1,2-Dichlorobenzene  
 Concen: 140.120 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. 0.00 min  
 Lab File: VD064088.D  
 Acq: 29 Oct 2019 14:32

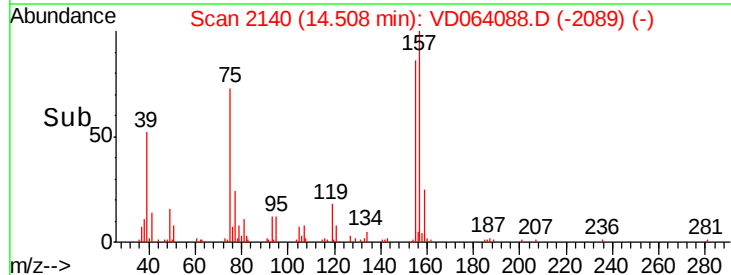
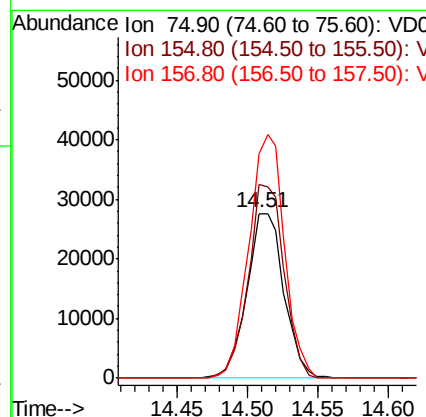
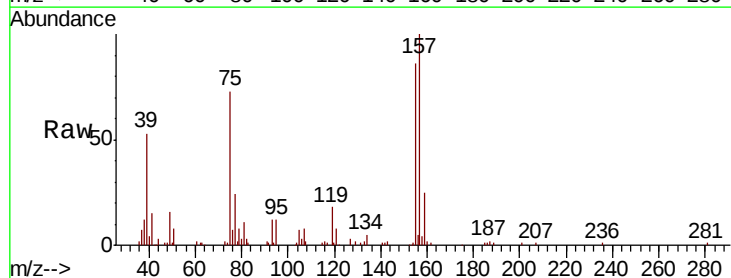
Instrument :  
 MSVOA\_D  
 ClientSampleId :

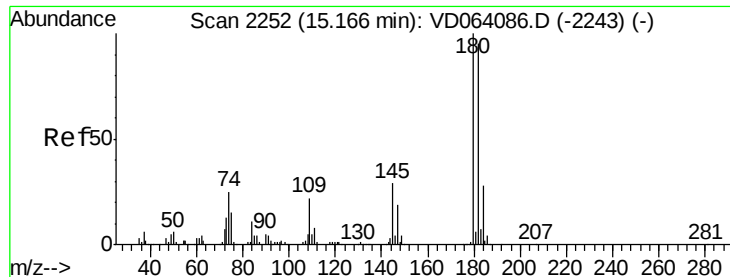
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 19.1  | 57.1  |
| 148     | 64.1  | 32.1  | 96.5  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 145.010 ug/l  
 RT: 14.51 min Scan# 2140  
 Delta R.T. 0.00 min  
 Lab File: VD064088.D  
 Acq: 29 Oct 2019 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 113.8 | 56.3  | 168.9 |
| 157     | 142.2 | 72.2  | 216.6 |

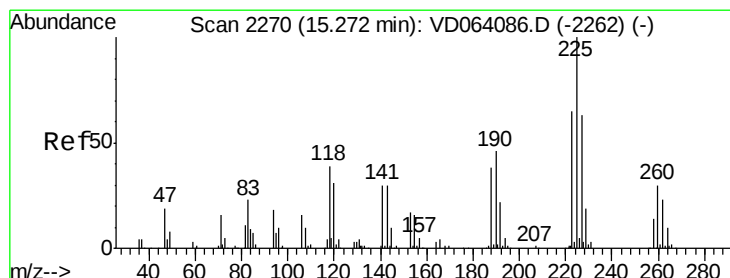
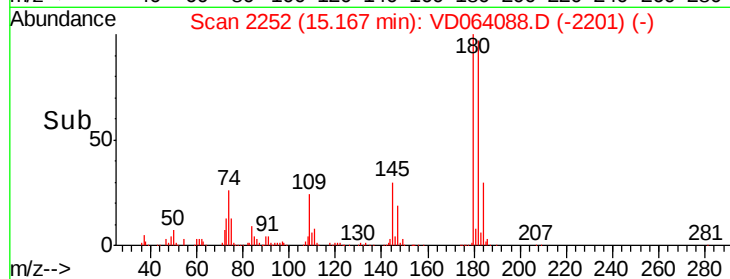
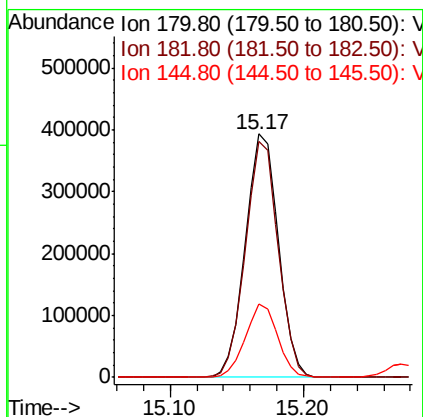
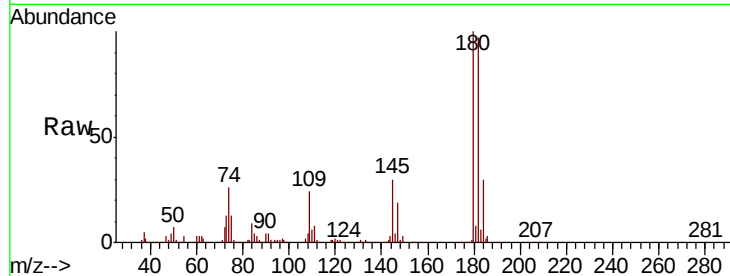




#93  
 1,2,4-Trichlorobenzene  
 Concen: 147.332 ug/l  
 RT: 15.17 min Scan# 2252  
 Delta R.T. 0.00 min  
 Lab File: VD064088.D  
 Acq: 29 Oct 2019 14:32

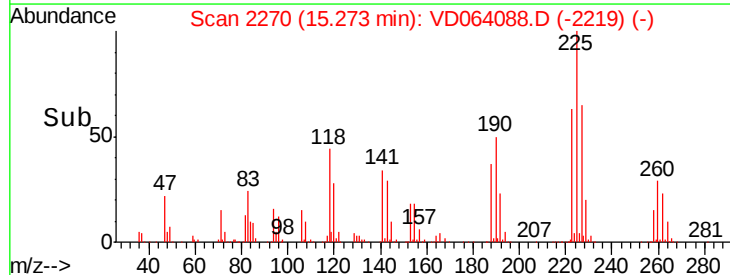
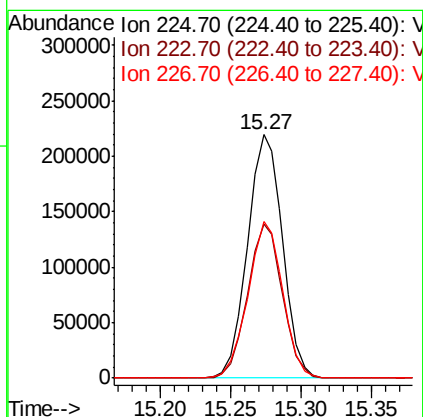
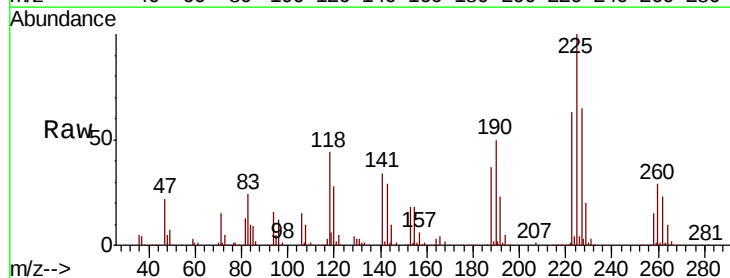
Instrument :  
 MSVOA\_D  
 ClientSampled :

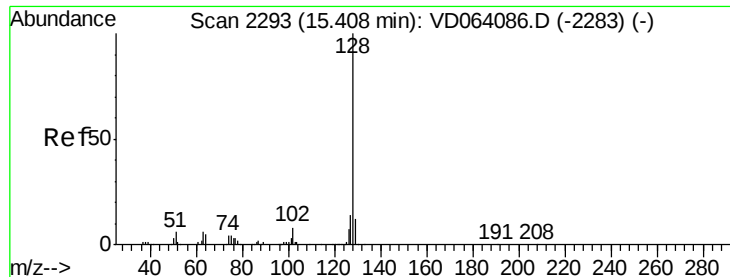
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.9  | 46.9  | 140.7 |
| 145     | 29.2  | 14.2  | 42.6  |



#94  
 Hexachlorobutadiene  
 Concen: 143.555 ug/l  
 RT: 15.27 min Scan# 2270  
 Delta R.T. 0.00 min  
 Lab File: VD064088.D  
 Acq: 29 Oct 2019 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.9  | 30.8  | 92.3  |
| 227     | 63.6  | 31.7  | 95.1  |





#95

Naphthalene

Concen: 160.665 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

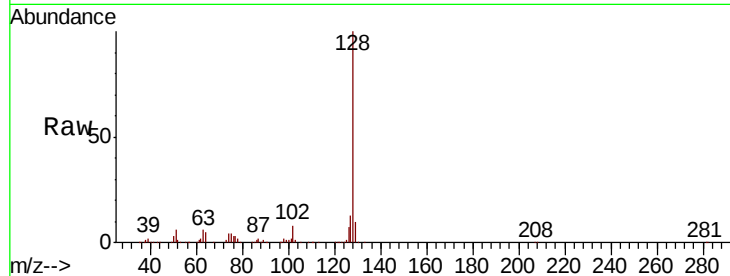
Instrument :

MSVOA\_D

ClientSampleId :

Tot Ion:128 Resp: 1191977

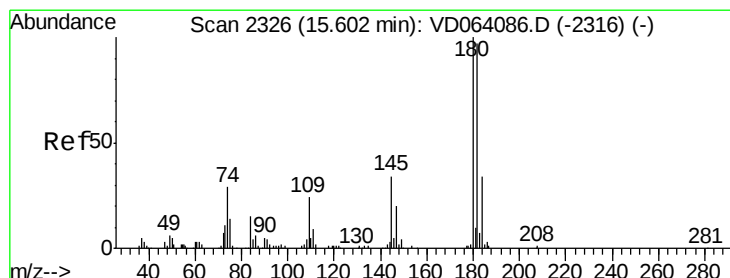
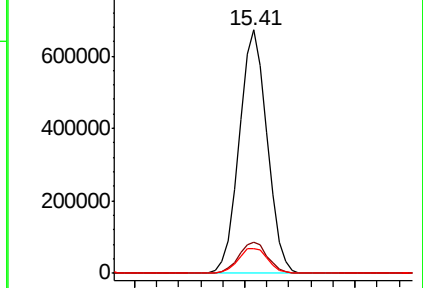
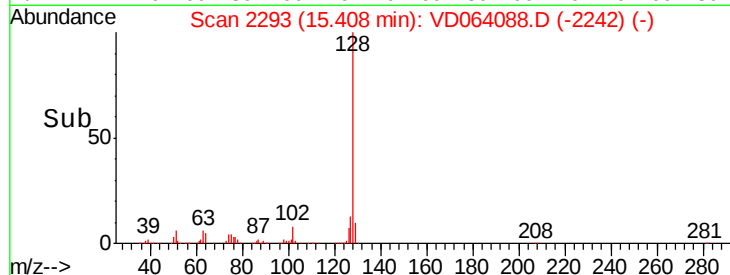
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.3  | 10.9  | 16.3  |
| 129 | 10.8  | 8.8   | 13.2  |



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: 146.002 ug/l

RT: 15.60 min Scan# 2326

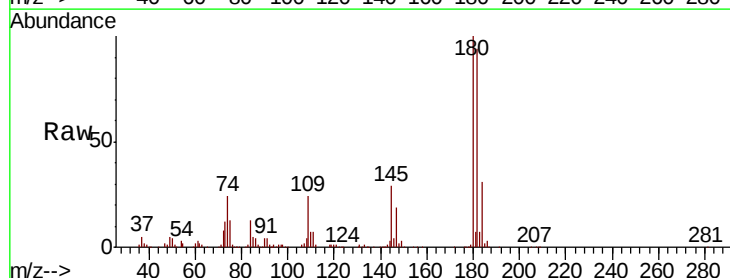
Delta R.T. 0.00 min

Lab File: VD064088.D

Acq: 29 Oct 2019 14:32

Tgt Ion:180 Resp: 575294

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.4  | 48.4  | 145.0 |
| 145 | 30.9  | 16.4  | 49.4  |



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

