

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\  
 Data File : VD061252.D  
 Acq On : 22 Mar 2019 10:49  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 22 23:24:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 02:35:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.10  | 168  | 677030   | 50.00 | ug/l  | 0.06     |
| 34) 1,4-Difluorobenzene    | 8.27  | 114  | 1182307  | 50.00 | ug/l  | 0.06     |
| 63) Chlorobenzene-d5       | 12.41 | 117  | 916061   | 50.00 | ug/l  | 0.05     |
| 72) 1,4-Dichlorobenzene-d4 | 14.54 | 152  | 413743   | 50.00 | ug/l  | 0.03     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 7.51   | 65  | 264291   | 46.90 | ug/l   | 0.07 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.80% |      |
| 35) Dibromofluoromethane  | 6.98   | 113 | 427445   | 48.72 | ug/l   | 0.06 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.44% |      |
| 50) Toluene-d8            | 10.46  | 98  | 1062190  | 48.21 | ug/l   | 0.06 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.42% |      |
| 62) 4-Bromofluorobenzene  | 13.59  | 95  | 391704   | 45.82 | ug/l   | 0.04 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.64% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.61 | 85  | 282799  | 42.169  | ug/l   | 100    |
| 3) Chloromethane              | 1.78 | 50  | 231971  | 41.522  | ug/l   | 98     |
| 4) Vinyl Chloride             | 1.88 | 62  | 219440  | 42.509  | ug/l   | 97     |
| 5) Bromomethane               | 2.19 | 94  | 43297   | 46.631  | ug/l   | 92     |
| 6) Chloroethane               | 2.30 | 64  | 80902   | 52.358  | ug/l   | 90     |
| 7) Trichlorofluoromethane     | 2.57 | 101 | 336369  | 45.358  | ug/l   | 95     |
| 8) Diethyl Ether              | 2.92 | 74  | 131842  | 53.892  | ug/l   | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.20 | 101 | 411952  | 49.687  | ug/l   | 96     |
| 10) Methyl Iodide             | 3.36 | 142 | 572186  | 50.107  | ug/l   | 100    |
| 11) Tert butyl alcohol        | 4.12 | 59  | 95944   | 267.427 | ug/l   | 96     |
| 12) 1,1-Dichloroethene        | 3.18 | 96  | 335691  | 49.395  | ug/l   | 90     |
| 13) Acrolein                  | 3.08 | 56  | 117061  | 225.507 | ug/l   | 93     |
| 14) Allyl chloride            | 3.67 | 41  | 475581  | 43.737  | ug/l   | 94     |
| 15) Acrylonitrile             | 4.26 | 53  | 322894  | 254.649 | ug/l   | 97     |
| 16) Acetone                   | 3.26 | 43  | 463962  | 287.903 | ug/l   | 99     |
| 17) Carbon Disulfide          | 3.43 | 76  | 973618  | 42.470  | ug/l   | 100    |
| 18) Methyl Acetate            | 3.69 | 43  | 184610  | 58.210  | ug/l # | 90     |
| 19) Methyl tert-butyl Ether   | 4.30 | 73  | 619224  | 51.991  | ug/l   | 96     |
| 20) Methylene Chloride        | 3.87 | 84  | 354273  | 48.031  | ug/l   | 92     |
| 21) trans-1,2-Dichloroethene  | 4.29 | 96  | 347594  | 47.255  | ug/l   | 94     |
| 22) Diisopropyl ether         | 5.19 | 45  | 1034287 | 45.821  | ug/l   | 99     |
| 23) Vinyl Acetate             | 5.12 | 43  | 2785640 | 240.401 | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 5.05 | 63  | 574706  | 46.469  | ug/l   | 97     |
| 25) 2-Butanone                | 6.13 | 43  | 485429  | 265.460 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 6.09 | 77  | 520454  | 53.907  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.11 | 96  | 406029  | 52.026  | ug/l   | 95     |
| 28) Bromochloromethane        | 6.50 | 49  | 250288  | 47.804  | ug/l   | 93     |
| 29) Tetrahydrofuran           | 6.52 | 42  | 243122  | 244.849 | ug/l   | 95     |
| 30) Chloroform                | 6.73 | 83  | 642938  | 50.160  | ug/l   | 100    |
| 31) Cyclohexane               | 7.02 | 56  | 465634  | 46.693  | ug/l   | 95     |
| 32) 1,1,1-Trichloroethane     | 6.93 | 97  | 557303  | 50.291  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 7.21 | 75  | 484194  | 47.510  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.24 | 43  | 214977  | 44.952  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.18 | 117 | 597536  | 53.228  | ug/l   | 98     |

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 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 22 23:24:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 02:35:39 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 8.92  | 83   | 460692   | 43.595   | ug/l   | 96       |
| 40) Benzene                    | 7.51  | 78   | 1099638  | 43.181   | ug/l   | 99       |
| 41) Methacrylonitrile          | 6.50  | 41   | 257722   | 46.851   | ug/l # | 91       |
| 42) 1,2-Dichloroethane         | 7.63  | 62   | 360309   | 48.756   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 9.29  | 43   | 319829   | 48.285   | ug/l # | 98       |
| 44) Trichloroethene            | 8.60  | 130  | 442061   | 50.317   | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 8.99  | 63   | 295939   | 44.234   | ug/l   | 98       |
| 46) Dibromomethane             | 9.12  | 93   | 202245   | 47.656   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.43  | 83   | 481770   | 50.307   | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.17  | 41   | 178474   | 47.855   | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.13  | 88   | 39625    | 1050.739 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 10.35 | 43   | 943399   | 232.482  | ug/l   | 97       |
| 52) Toluene                    | 10.56 | 92   | 712684   | 45.006   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.96 | 75   | 426812   | 48.740   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 540659   | 51.386   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 11.24 | 97   | 262797   | 49.833   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 11.09 | 69   | 279152   | 50.572   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 11.45 | 76   | 375069   | 47.593   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.91  | 63   | 631890   | 216.268  | ug/l   | 99       |
| 59) 2-Hexanone                 | 11.57 | 43   | 743852   | 250.594  | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.73 | 129  | 379734   | 48.928   | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.85 | 107  | 298064   | 48.587   | ug/l   | 95       |
| 64) Tetrachloroethene          | 11.30 | 164  | 312368   | 50.514   | ug/l   | 97       |
| 65) Chlorobenzene              | 12.44 | 112  | 899631   | 50.095   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.54 | 131  | 349579   | 54.610   | ug/l   | 99       |
| 67) Ethyl Benzene              | 12.55 | 91   | 1355661  | 50.705   | ug/l   | 99       |
| 68) m/p-Xylenes                | 12.70 | 106  | 988567   | 94.206   | ug/l   | 98       |
| 69) o-Xylene                   | 13.08 | 106  | 513589   | 49.791   | ug/l   | 94       |
| 70) Styrene                    | 13.11 | 104  | 812375   | 48.231   | ug/l   | 100      |
| 71) Bromoform                  | 13.26 | 173  | 223825   | 54.200   | ug/l   | 99       |
| 73) Isopropylbenzene           | 13.43 | 105  | 1328229  | 44.545   | ug/l   | 100      |
| 74) N-amyl acetate             | 13.29 | 43   | 382154   | 45.517   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.73 | 83   | 278726   | 47.911   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 13.76 | 75   | 288802   | 48.518   | ug/l   | 99       |
| 77) Bromobenzene               | 13.70 | 156  | 384553   | 50.522   | ug/l   | 89       |
| 78) n-propylbenzene            | 13.80 | 91   | 1609353  | 46.104   | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 13.87 | 91   | 839107   | 43.663   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 14.27 | 105  | 1040076  | 45.947   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 13.50 | 75   | 88810    | 50.607   | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 13.97 | 91   | 1054014  | 46.393   | ug/l   | 97       |
| 83) tert-Butylbenzene          | 14.22 | 119  | 1237253  | 49.944   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 14.27 | 105  | 1040076  | 45.947   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 14.40 | 105  | 1347526  | 44.557   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 14.51 | 119  | 1280840  | 51.813   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 14.48 | 146  | 698410   | 51.386   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 14.56 | 146  | 665578   | 49.833   | ug/l   | 100      |
| 89) n-Butylbenzene             | 14.82 | 91   | 1079024  | 45.452   | ug/l   | 99       |
| 90) Hexachloroethane           | 15.04 | 117  | 365492   | 52.360   | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene        | 14.84 | 146  | 568825   | 50.202   | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.41 | 75   | 36939    | 52.691   | ug/l   | 94       |

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Data File : VD061252.D  
Acq On : 22 Mar 2019 10:49  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

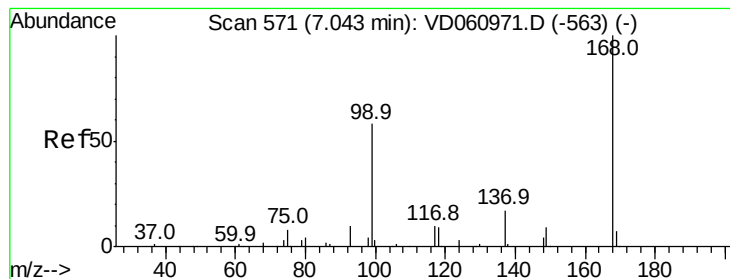
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Quant Time: Mar 22 23:24:34 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 08 02:35:39 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.97 | 180  | 267295   | 50.852 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 16.06 | 225  | 205061   | 51.577 | ug/l  | 99       |
| 95) Naphthalene            | 16.15 | 128  | 412365   | 51.626 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 16.30 | 180  | 118176   | 45.520 | ug/l  | 98       |

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

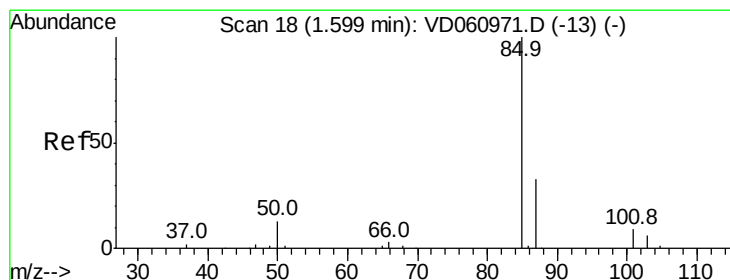
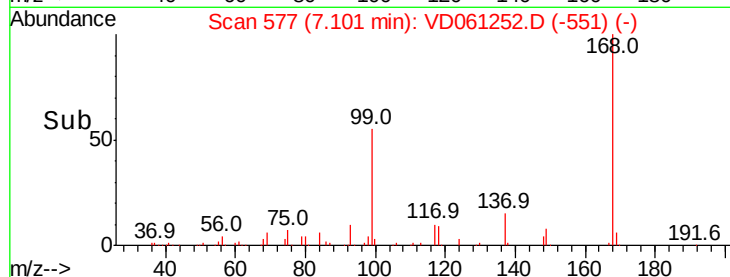
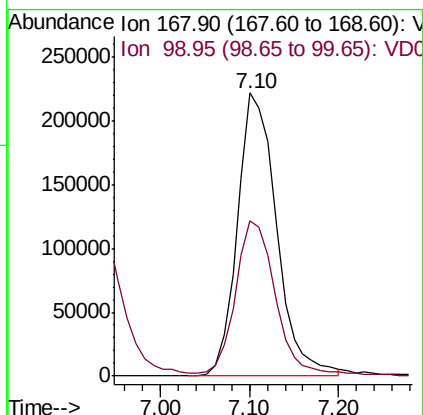
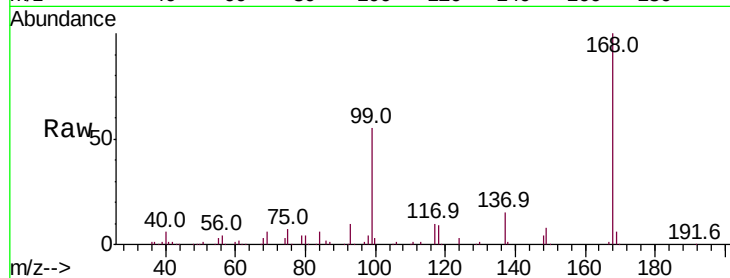




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.10 min Scan# 577  
Delta R.T. 0.06 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

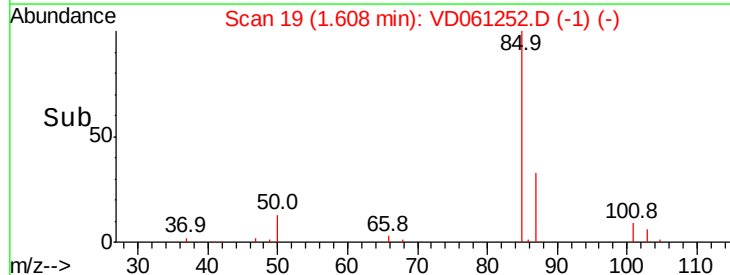
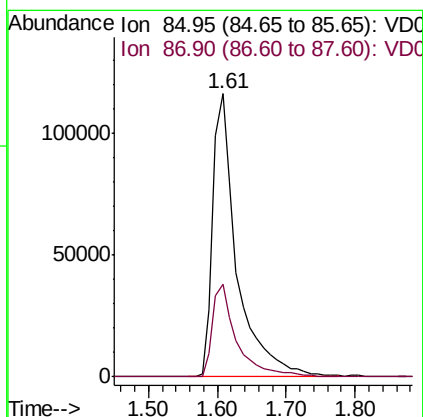
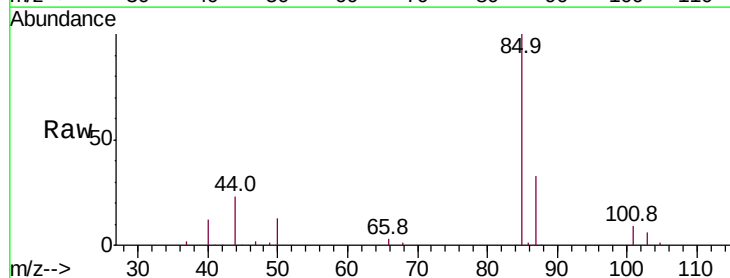
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

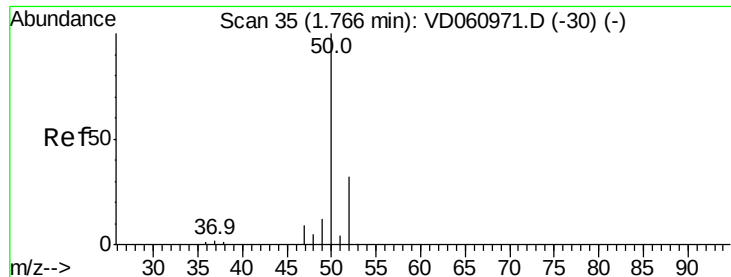
Tot Ion:168 Resp: 677030  
Ion Ratio Lower Upper  
168 100  
99 54.9 47.3 70.9



#2  
Dichlorodifluoromethane  
Concen: 42.169 ug/l  
RT: 1.61 min Scan# 19  
Delta R.T. 0.01 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Tgt Ion: 85 Resp: 282799  
Ion Ratio Lower Upper  
85 100  
87 32.7 16.4 49.4





#3

Chloromethane

Concen: 41.522 ug/l

RT: 1.78 min Scan# 37

Delta R.T. 0.02 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

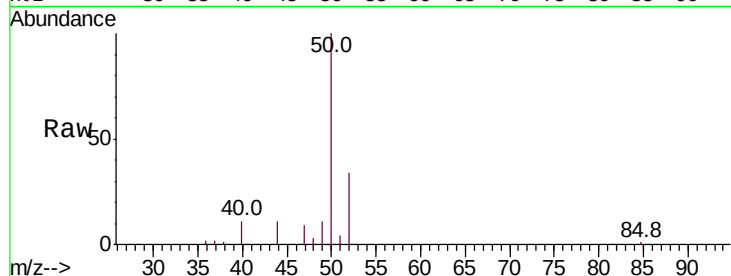
VSTDCCC050

Tot Ion: 50 Resp: 231971

Ion Ratio Lower Upper

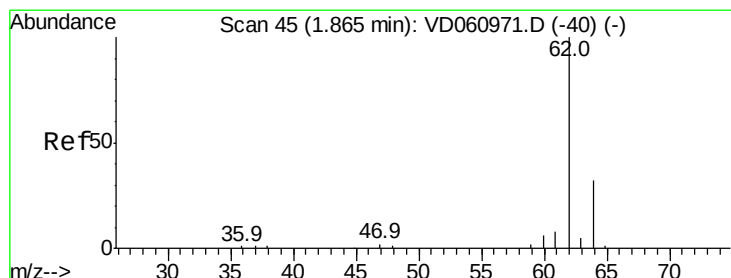
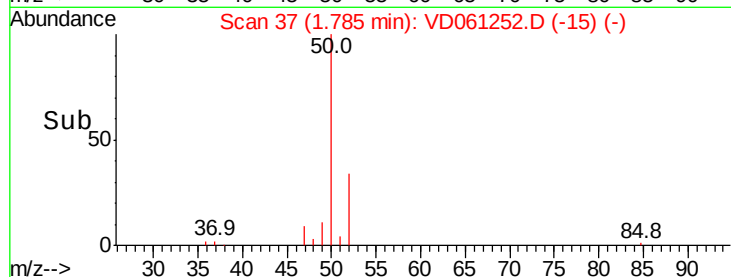
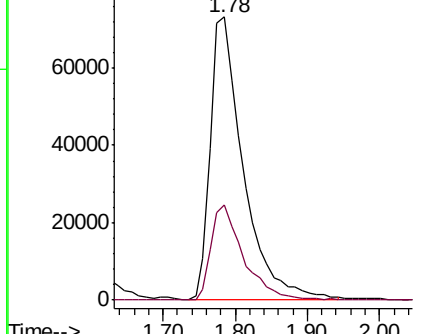
50 100

52 33.7 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.509 ug/l

RT: 1.88 min Scan# 47

Delta R.T. 0.02 min

Lab File: VD061252.D

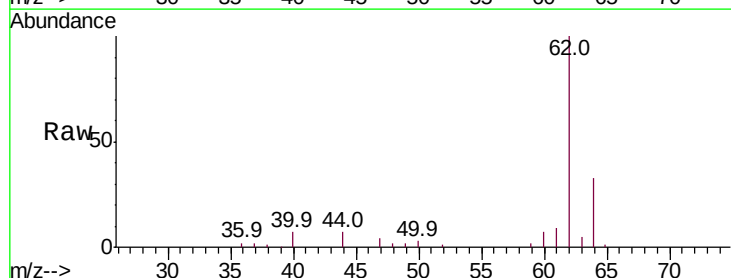
Acq: 22 Mar 2019 10:49

Tgt Ion: 62 Resp: 219440

Ion Ratio Lower Upper

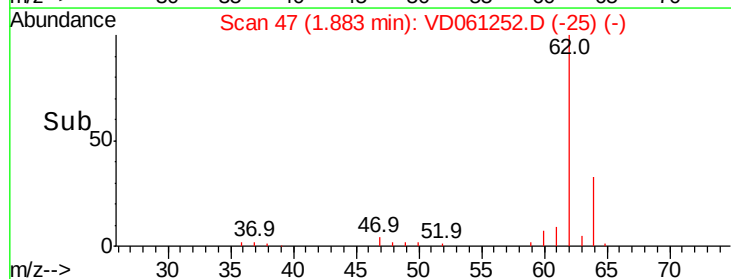
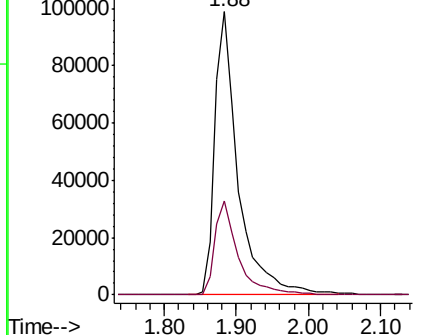
62 100

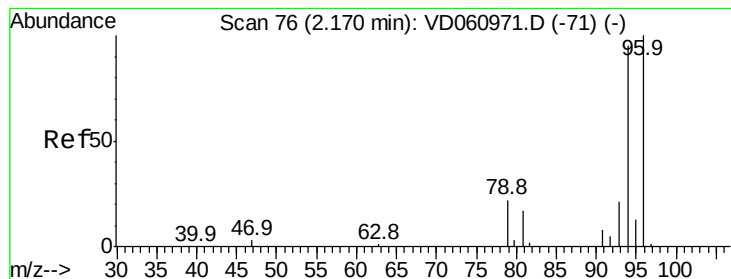
64 33.3 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 46.631 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.02 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

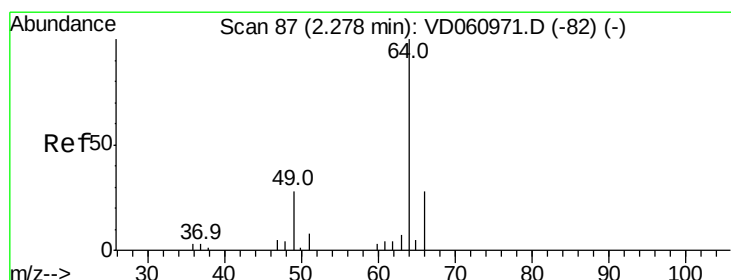
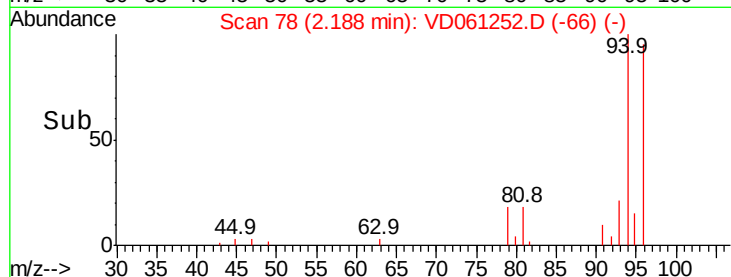
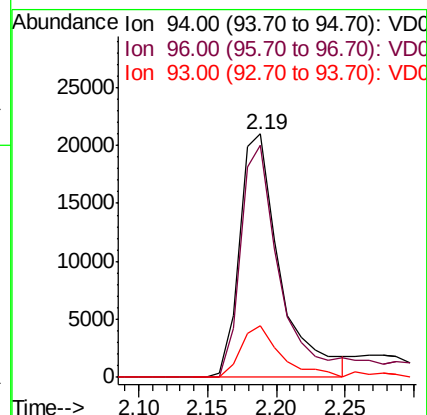
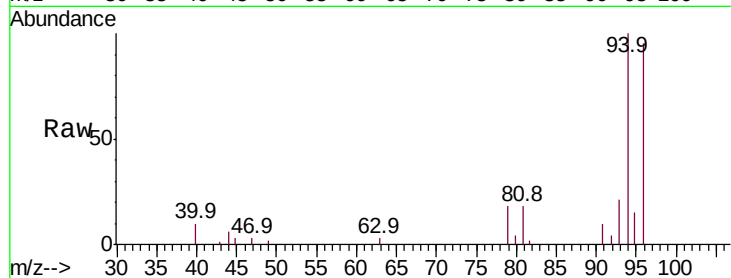
Tot Ion: 94 Resp: 43297

Ion Ratio Lower Upper

94 100

96 95.3 84.0 126.0

93 21.2 17.3 25.9



#6

Chloroethane

Concen: 52.358 ug/l

RT: 2.30 min Scan# 89

Delta R.T. 0.02 min

Lab File: VD061252.D

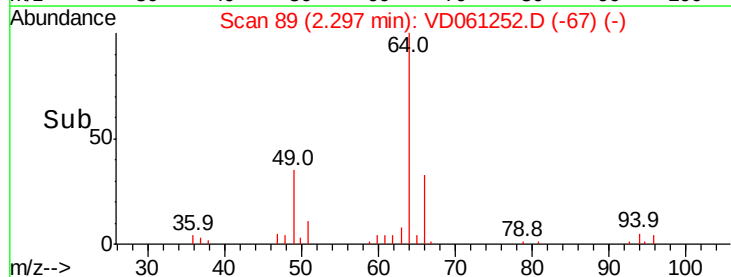
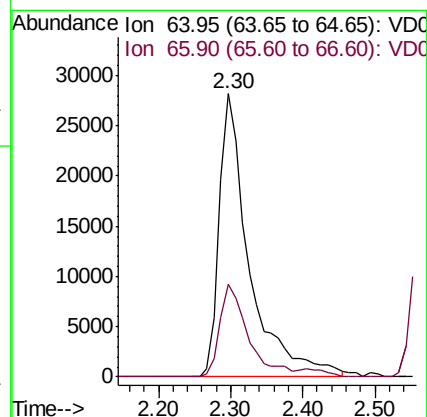
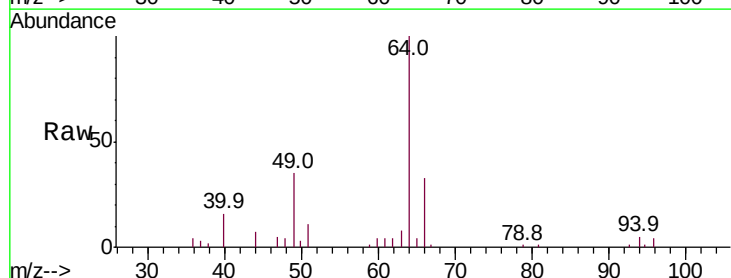
Acq: 22 Mar 2019 10:49

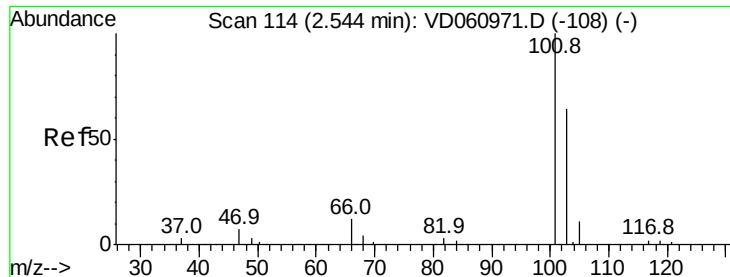
Tgt Ion: 64 Resp: 80902

Ion Ratio Lower Upper

64 100

66 32.8 22.2 33.2



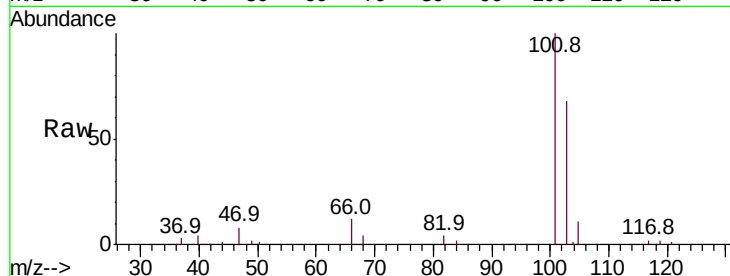


#7

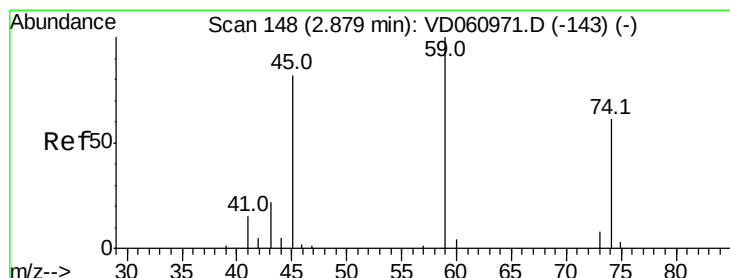
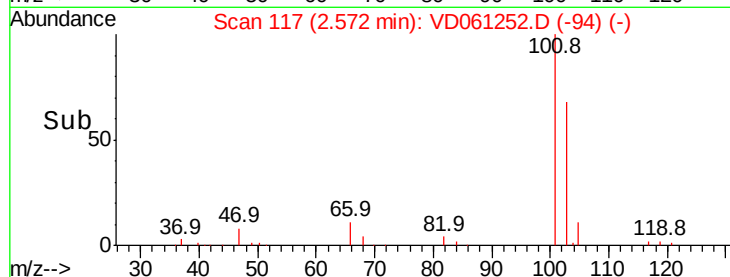
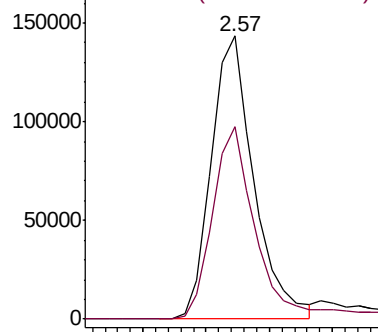
Trichlorofluoromethane  
Concen: 45.358 ug/l  
RT: 2.57 min Scan# 117  
Delta R.T. 0.03 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:101 Resp: 336369  
Ion Ratio Lower Upper  
101 100  
103 68.2 51.2 76.8



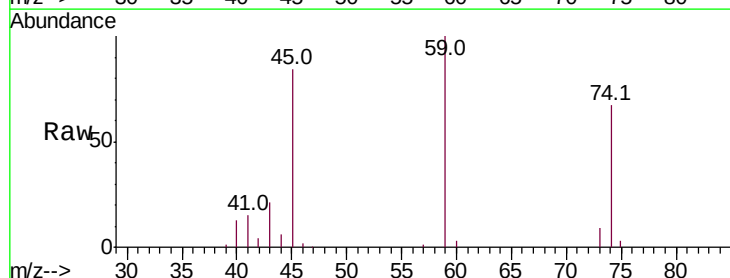
Abundance Ion 100.85 (100.55 to 101.55): V  
Ion 102.85 (102.55 to 103.55): V



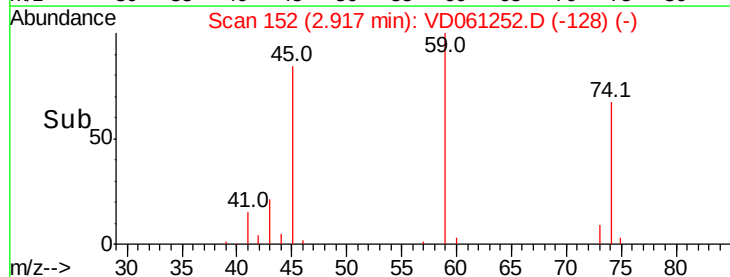
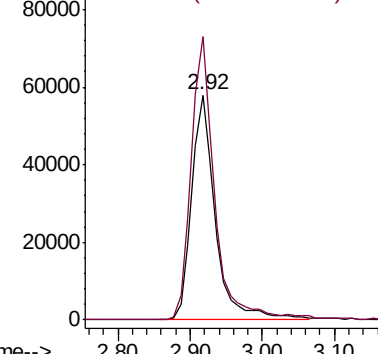
#8

Diethyl Ether  
Concen: 53.892 ug/l  
RT: 2.92 min Scan# 152  
Delta R.T. 0.04 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

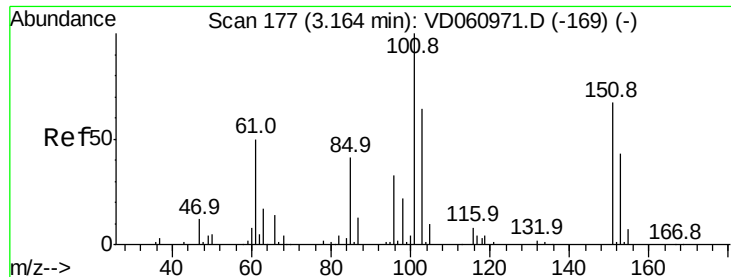
Tgt Ion: 74 Resp: 131842  
Ion Ratio Lower Upper  
74 100  
45 125.9 67.0 201.1



Abundance Ion 74.00 (73.70 to 74.70): VDC  
Ion 45.05 (44.75 to 45.75): VDC



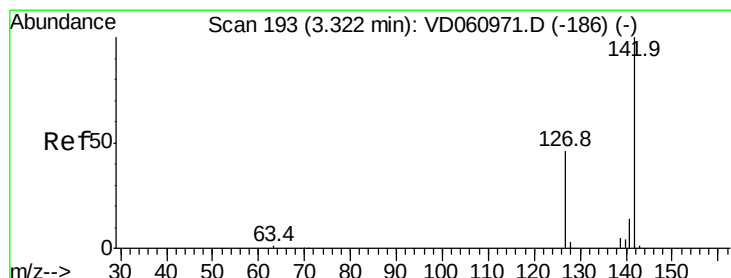
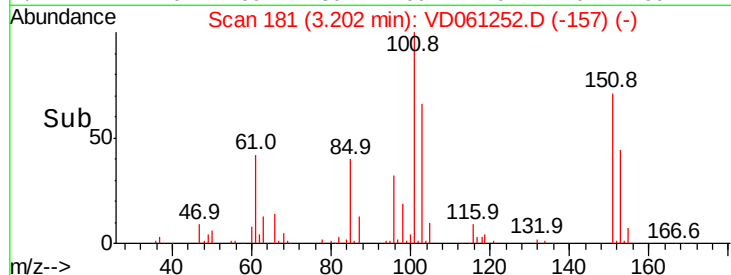
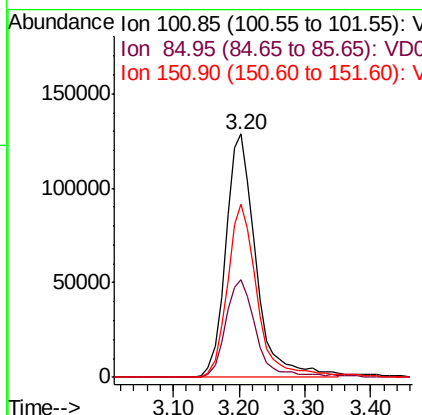
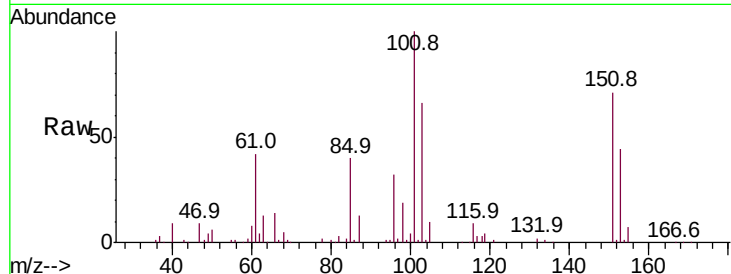




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 49.687 ug/l  
 RT: 3.20 min Scan# 181  
 Delta R.T. 0.04 min  
 Lab File: VD061252.D  
 Acq: 22 Mar 2019 10:49

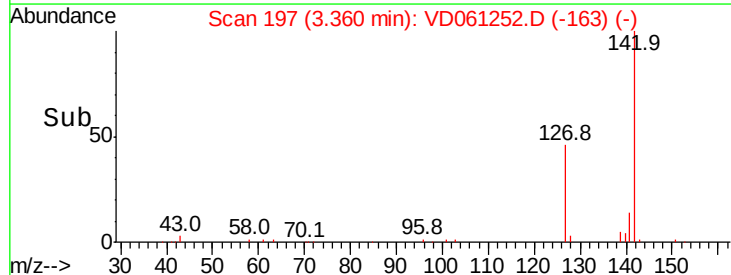
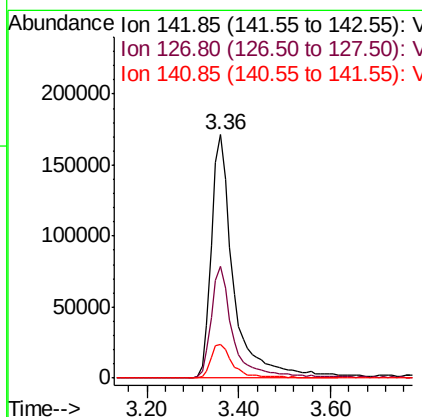
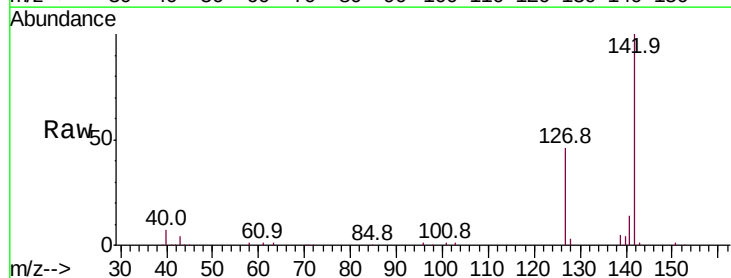
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

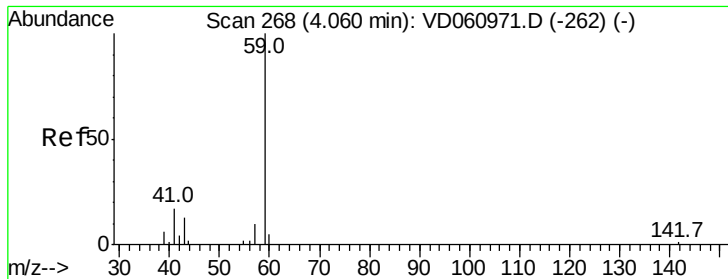
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 40.0  | 32.5  | 48.7  |
| 151     | 71.4  | 53.3  | 79.9  |



#10  
 Methyl Iodide  
 Concen: 50.107 ug/l  
 RT: 3.36 min Scan# 197  
 Delta R.T. 0.04 min  
 Lab File: VD061252.D  
 Acq: 22 Mar 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 45.9  | 36.8  | 55.2  |
| 141     | 14.1  | 11.2  | 16.8  |



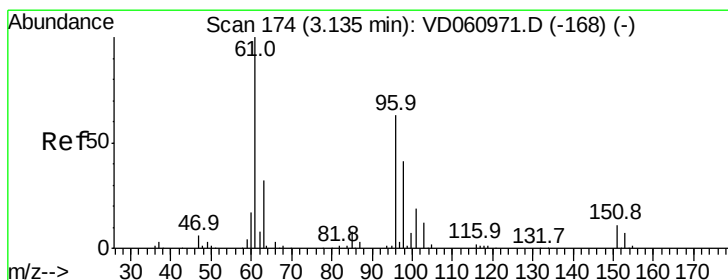
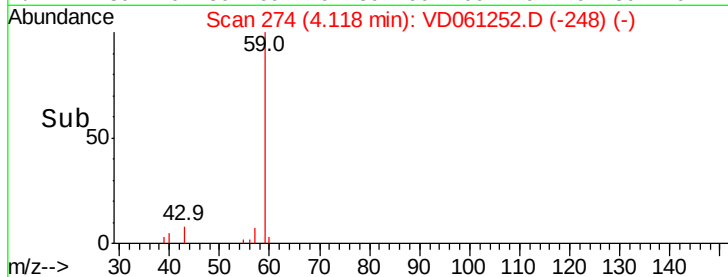
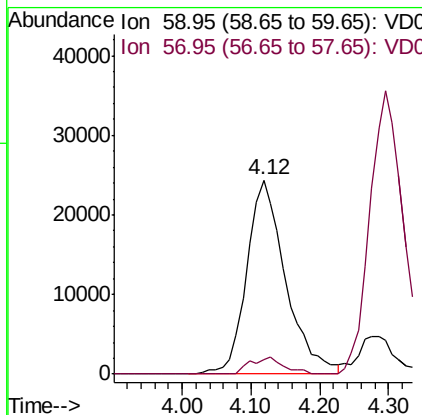
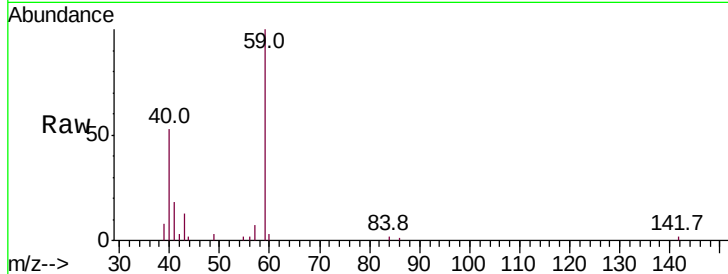


#11

Tert butyl alcohol  
Concen: 267.427 ug/l  
RT: 4.12 min Scan# 274  
Delta R.T. 0.06 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

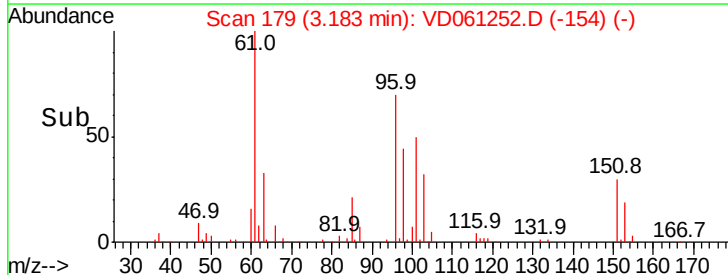
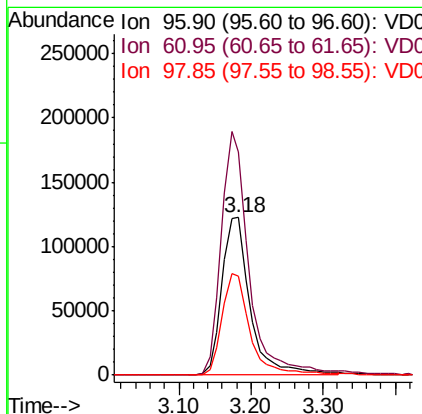
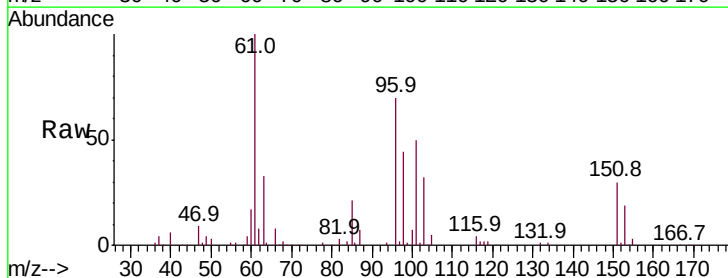
Tot Ion: 59 Resp: 95944  
Ion Ratio Lower Upper  
59 100  
57 7.4 7.1 10.7

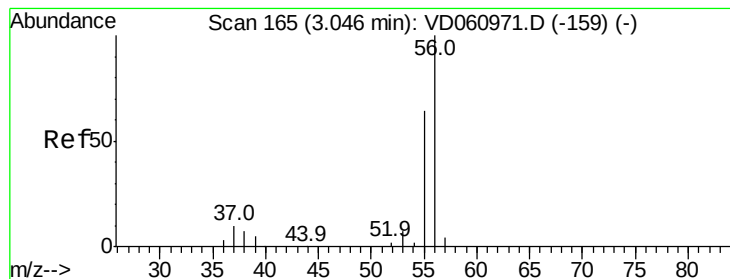


#12

1,1-Dichloroethene  
Concen: 49.395 ug/l  
RT: 3.18 min Scan# 179  
Delta R.T. 0.05 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Tgt Ion: 96 Resp: 335691  
Ion Ratio Lower Upper  
96 100  
61 142.1 127.1 190.7  
98 63.0 51.5 77.3





#13

Acrolein

Concen: 225.507 ug/l

RT: 3.08 min Scan# 169

Delta R.T. 0.04 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

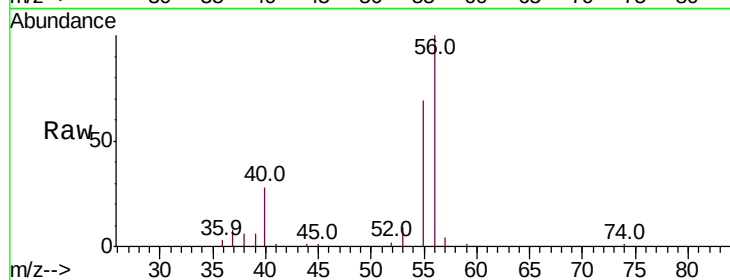
VSTDCCC050

Tot Ion: 56 Resp: 117061

Ion Ratio Lower Upper

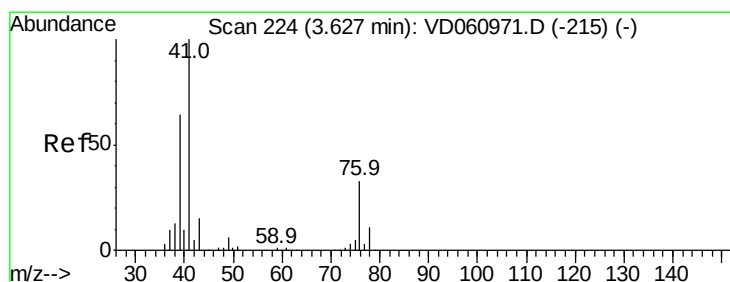
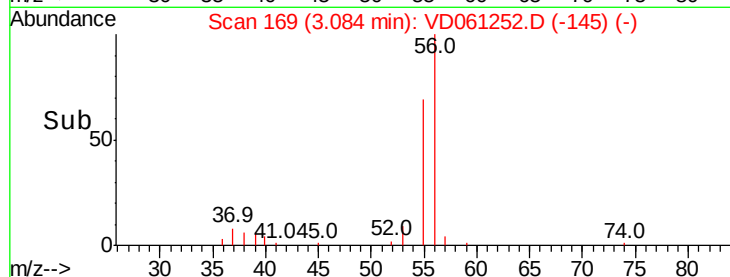
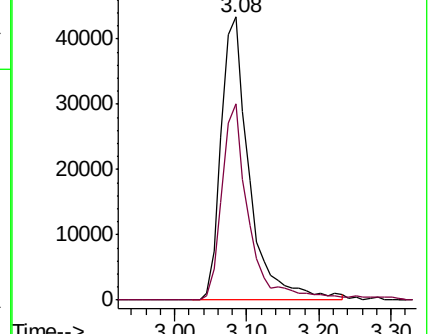
56 100

55 69.3 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 43.737 ug/l

RT: 3.67 min Scan# 229

Delta R.T. 0.05 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

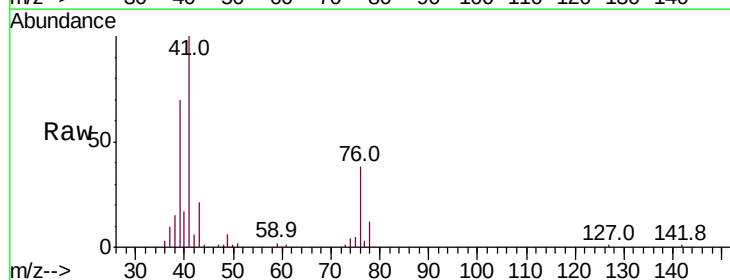
Tgt Ion: 41 Resp: 475581

Ion Ratio Lower Upper

41 100

39 69.6 51.1 76.7

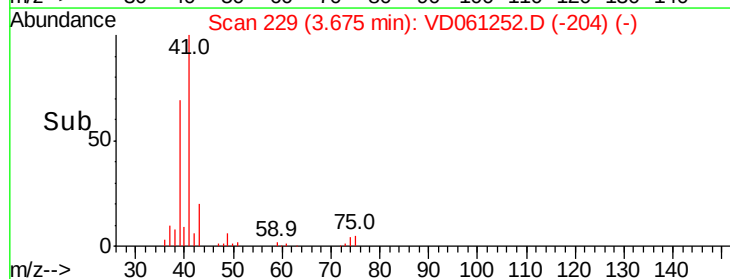
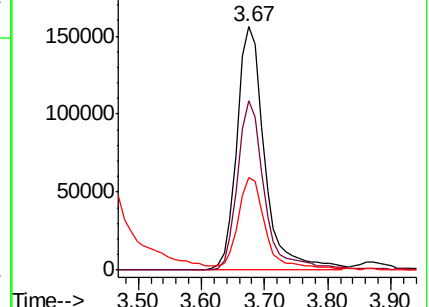
76 38.1 29.1 43.7

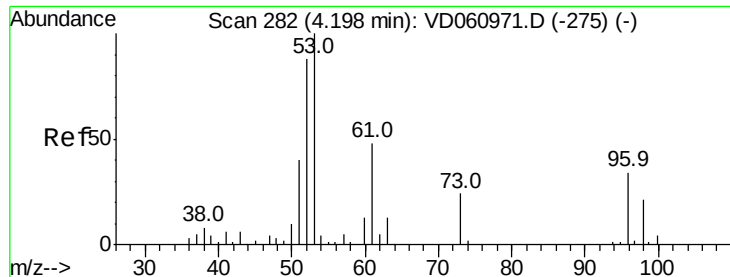


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 254.649 ug/l

RT: 4.26 min Scan# 288

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

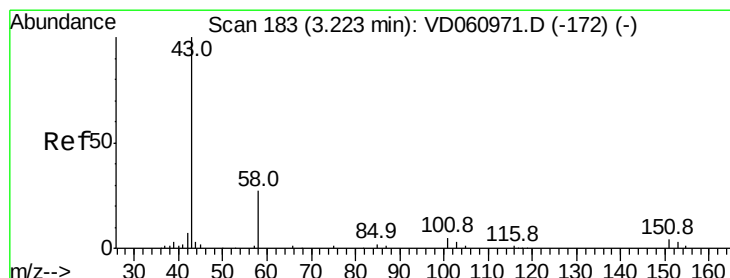
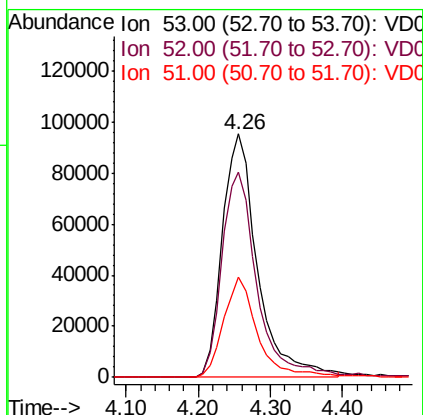
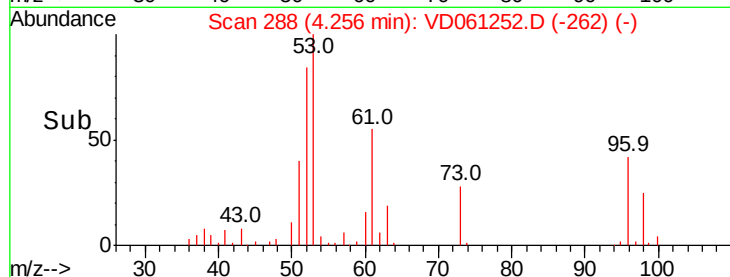
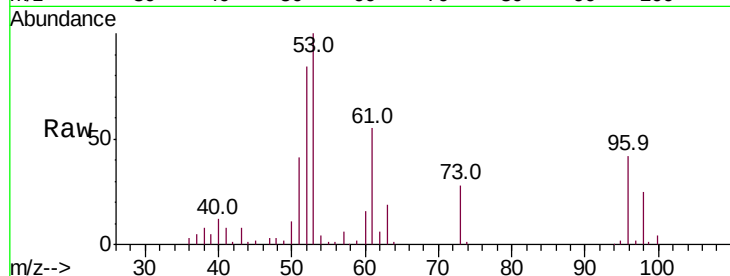
Tot Ion: 53 Resp: 322894

Ion Ratio Lower Upper

53 100

52 84.4 70.2 105.4

51 40.9 31.7 47.5



#16

Acetone

Concen: 287.903 ug/l

RT: 3.26 min Scan# 187

Delta R.T. 0.04 min

Lab File: VD061252.D

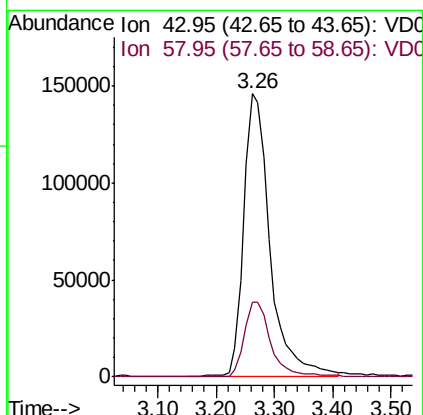
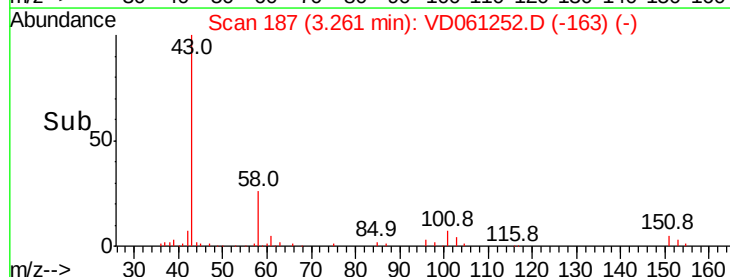
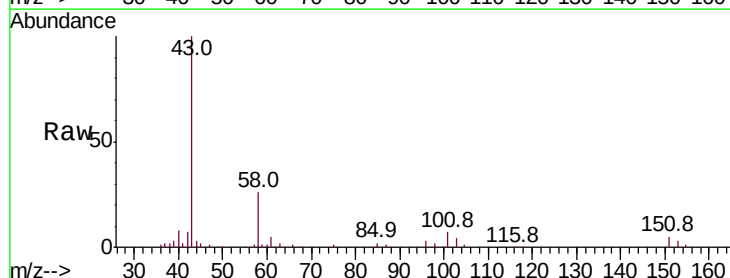
Acq: 22 Mar 2019 10:49

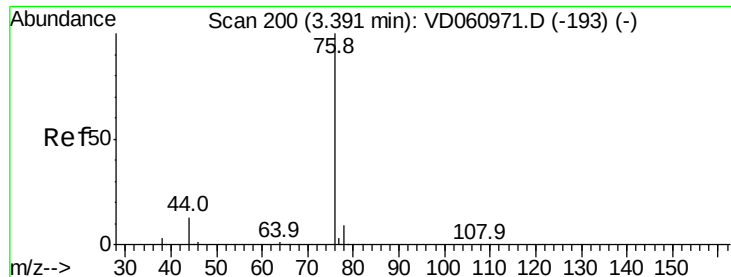
Tgt Ion: 43 Resp: 463962

Ion Ratio Lower Upper

43 100

58 26.3 21.6 32.4





#17

Carbon Disulfide

Concen: 42.470 ug/l

RT: 3.43 min Scan# 204

Delta R.T. 0.04 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

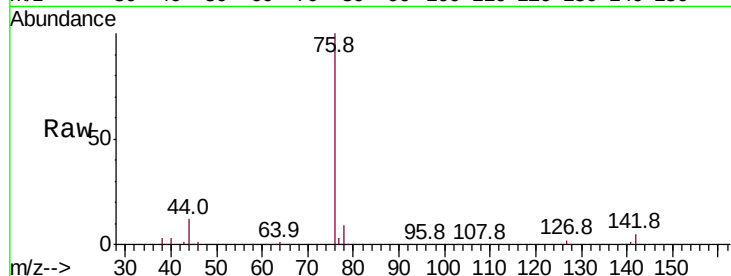
VSTDCCC050

Tot Ion: 76 Resp: 973618

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.43

400000

300000

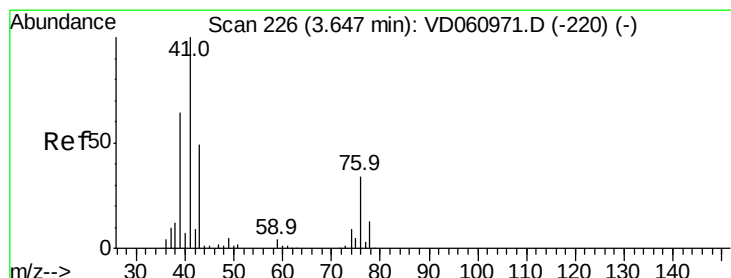
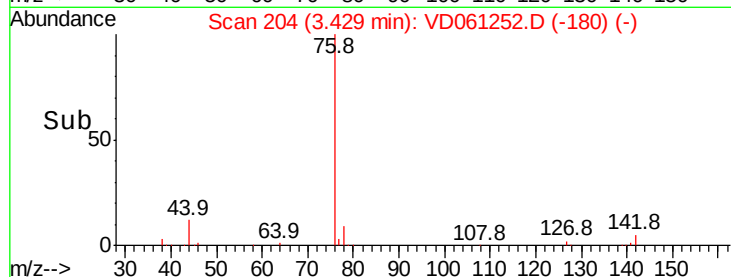
200000

100000

0

Time-->

3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 58.210 ug/l

RT: 3.69 min Scan# 231

Delta R.T. 0.05 min

Lab File: VD061252.D

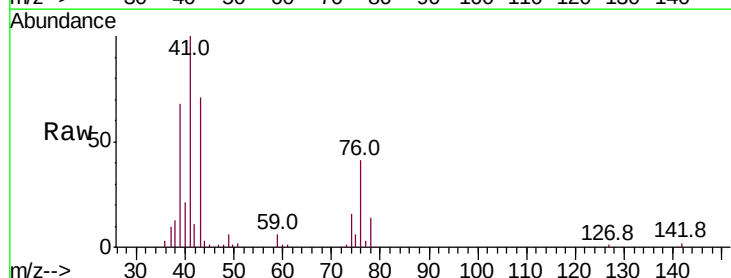
Acq: 22 Mar 2019 10:49

Tgt Ion: 43 Resp: 184610

Ion Ratio Lower Upper

43 100

74 22.4 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.69

60000

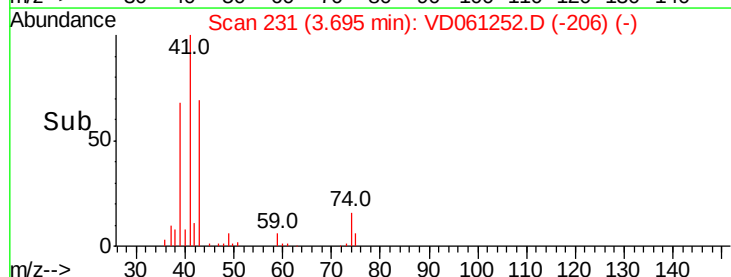
40000

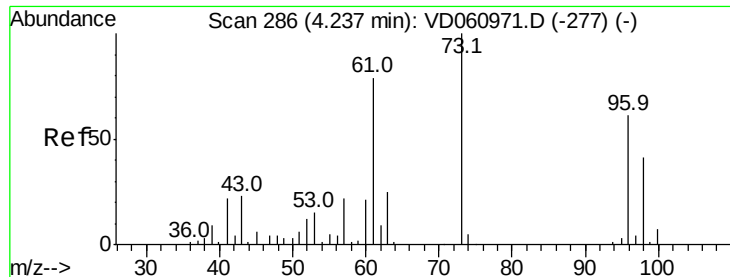
20000

0

Time-->

3.60 3.70 3.80 3.90

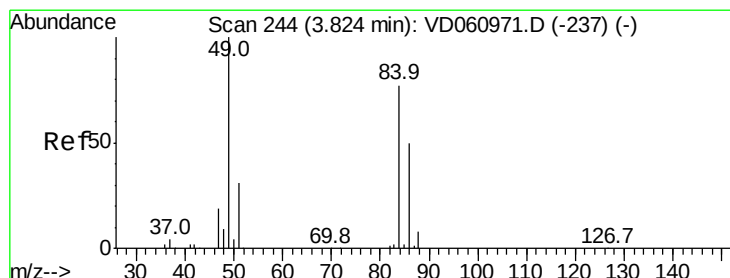
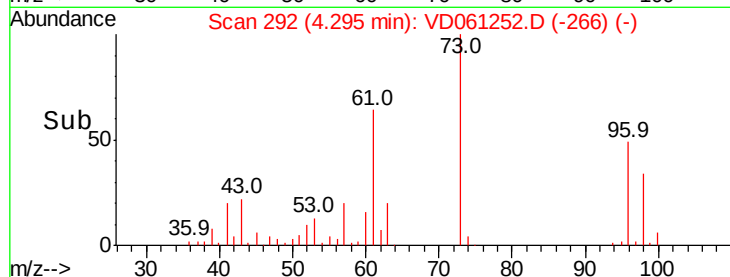
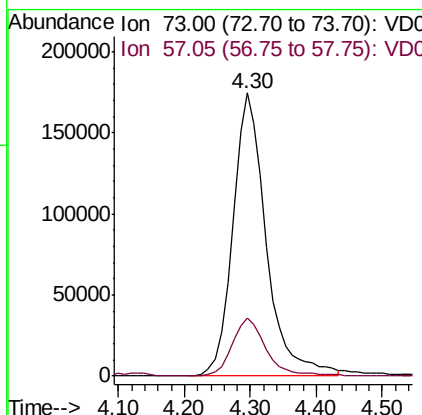
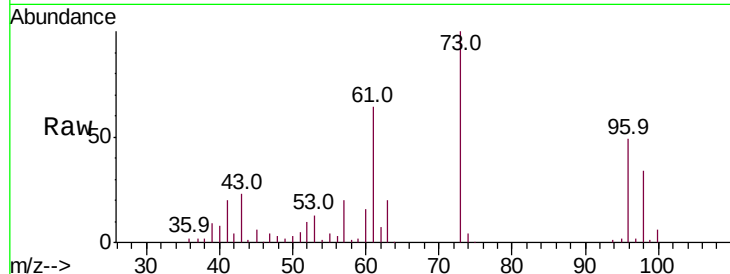




#19  
Methyl tert-butyl Ether  
Concen: 51.991 ug/l  
RT: 4.30 min Scan# 292  
Delta R.T. 0.06 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

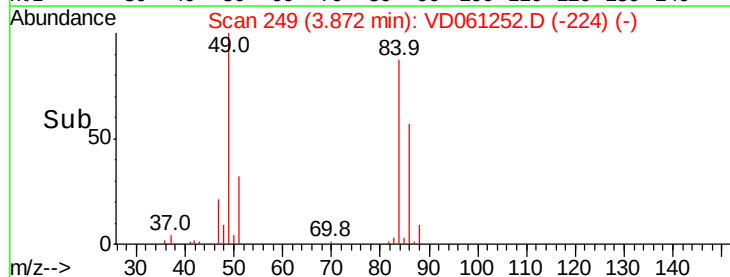
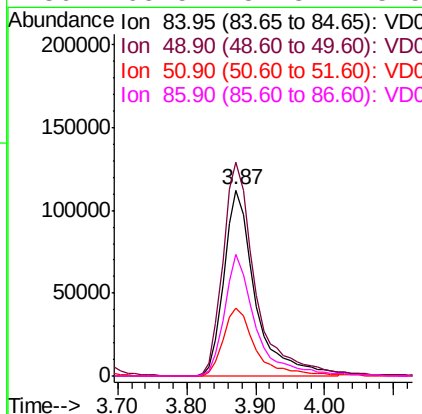
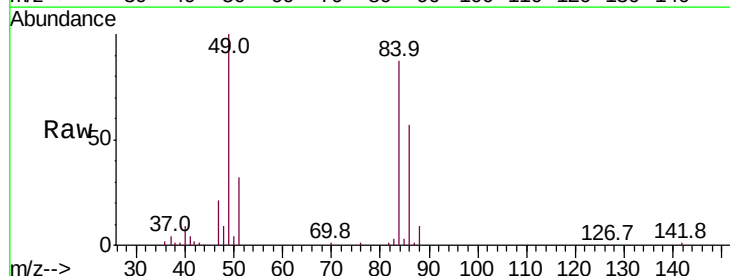
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

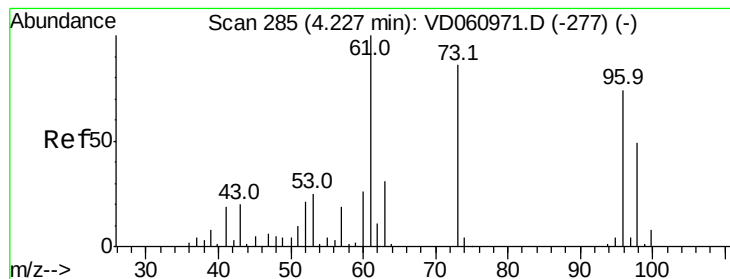
Tot Ion: 73 Resp: 619224  
Ion Ratio Lower Upper  
73 100  
57 20.4 17.7 26.5



#20  
Methylene Chloride  
Concen: 48.031 ug/l  
RT: 3.87 min Scan# 249  
Delta R.T. 0.05 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Tgt Ion: 84 Resp: 354273  
Ion Ratio Lower Upper  
84 100  
49 115.1 104.2 156.2  
51 36.5 32.3 48.5  
86 65.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 47.255 ug/l

RT: 4.29 min Scan# 291

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

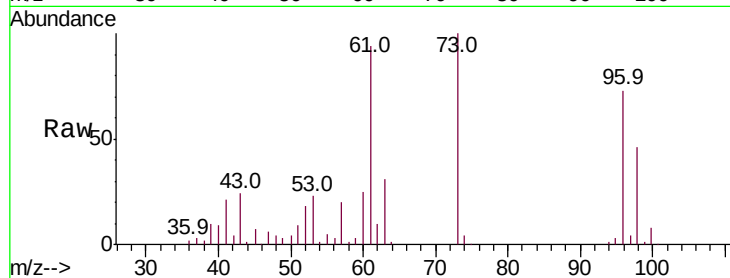
Tot Ion: 96 Resp: 347594

Ion Ratio Lower Upper

96 100

61 128.4 108.4 162.6

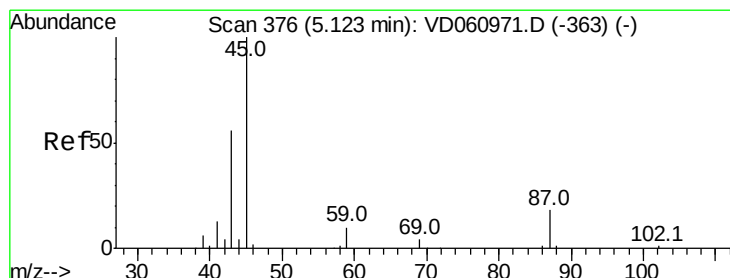
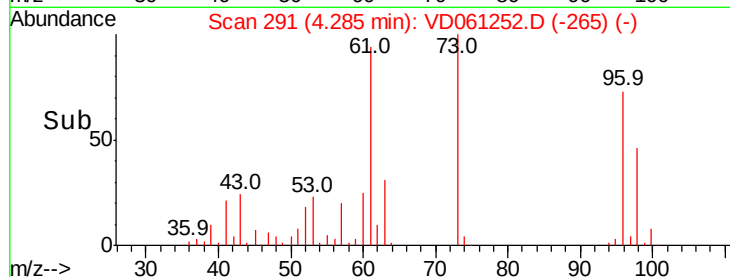
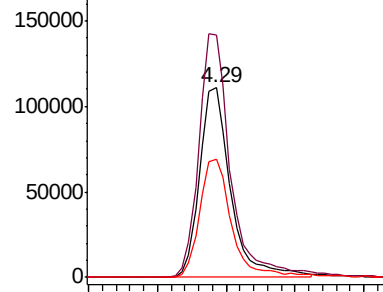
98 62.6 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 45.821 ug/l

RT: 5.19 min Scan# 383

Delta R.T. 0.07 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Tgt Ion: 45 Resp: 1034287

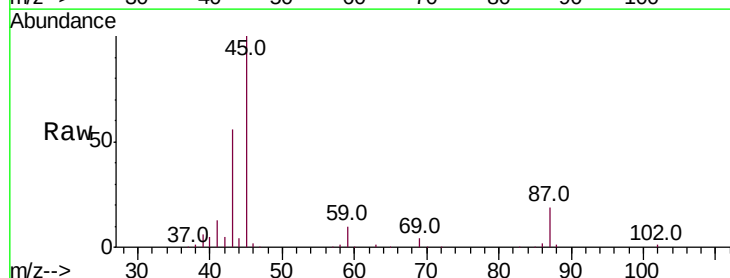
Ion Ratio Lower Upper

45 100

43 56.4 45.8 68.8

87 19.3 14.9 22.3

59 10.5 8.0 12.0

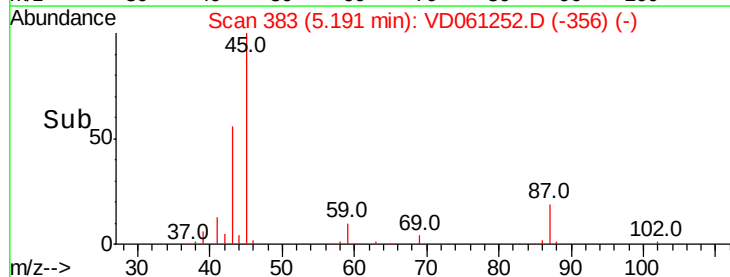
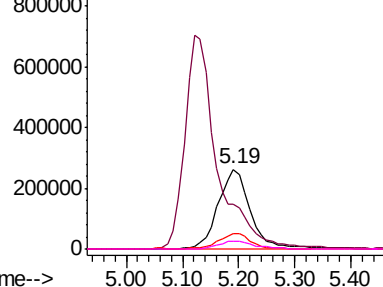


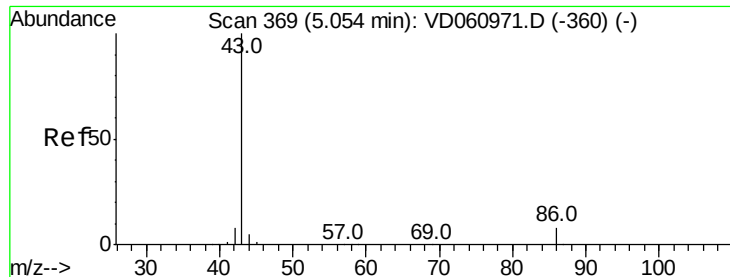
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 240.401 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.07 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

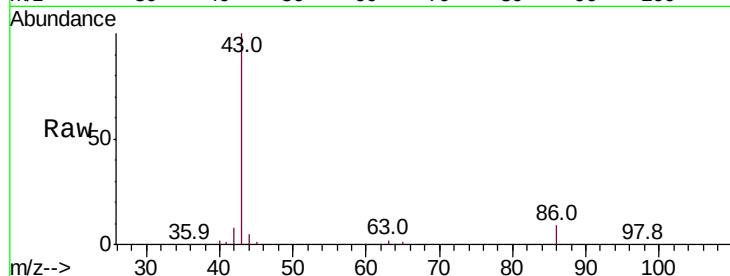
VSTDCCC050

Tot Ion: 43 Resp: 2785640

Ion Ratio Lower Upper

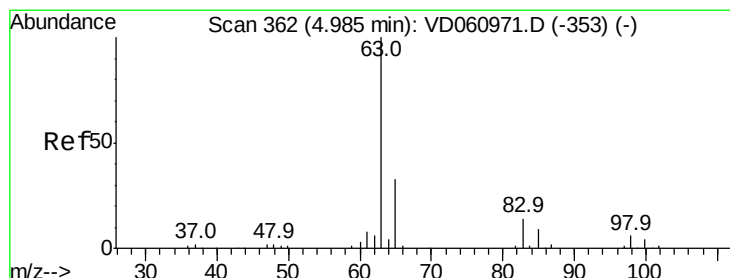
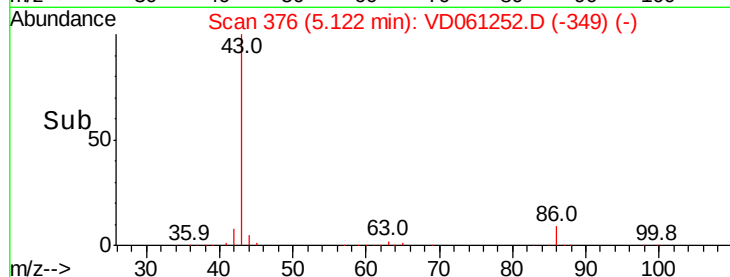
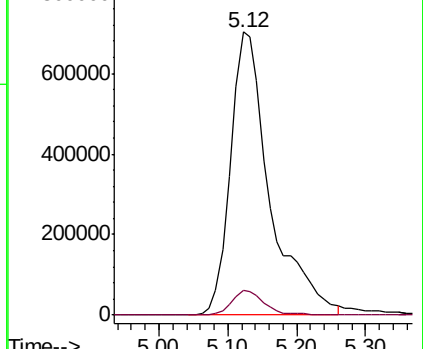
43 100

86 8.7 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.469 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.07 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

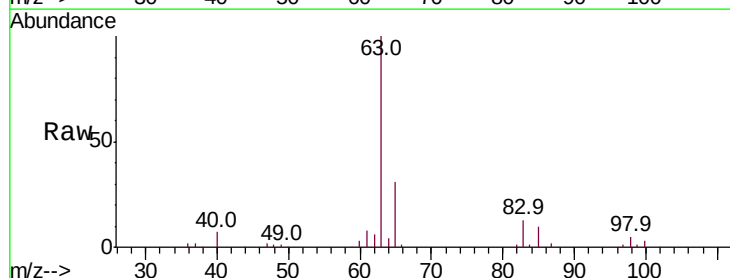
Tgt Ion: 63 Resp: 574706

Ion Ratio Lower Upper

63 100

98 4.7 3.0 9.2

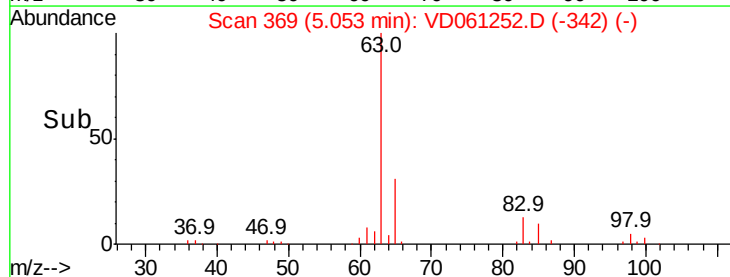
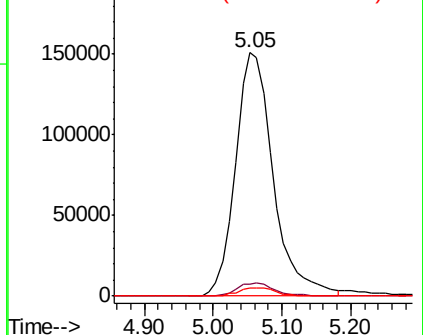
100 3.2 2.0 5.8



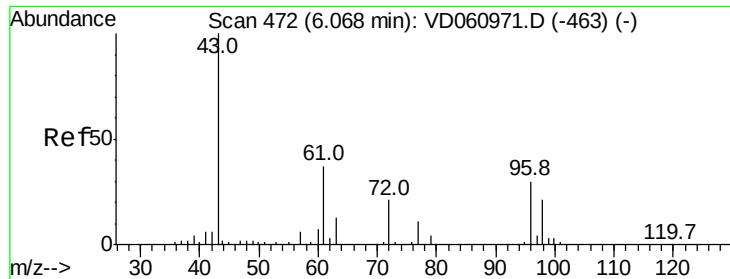
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC







#25

2-Butanone

Concen: 265.460 ug/l

RT: 6.13 min Scan# 478

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

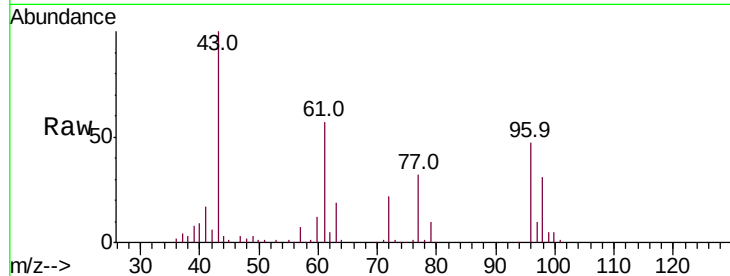
VSTDCCC050

Tot Ion: 43 Resp: 485429

Ion Ratio Lower Upper

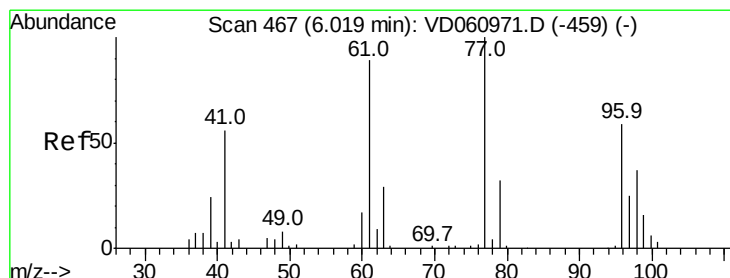
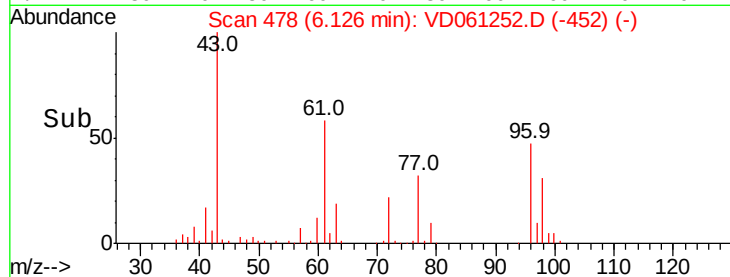
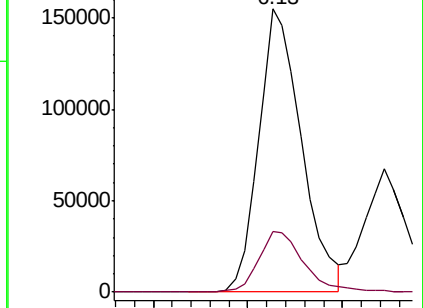
43 100

72 21.7 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.907 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.07 min

Lab File: VD061252.D

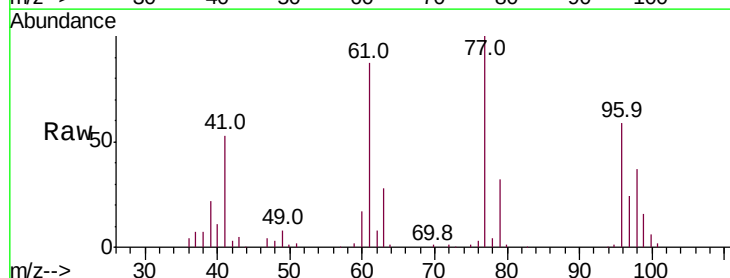
Acq: 22 Mar 2019 10:49

Tgt Ion: 77 Resp: 520454

Ion Ratio Lower Upper

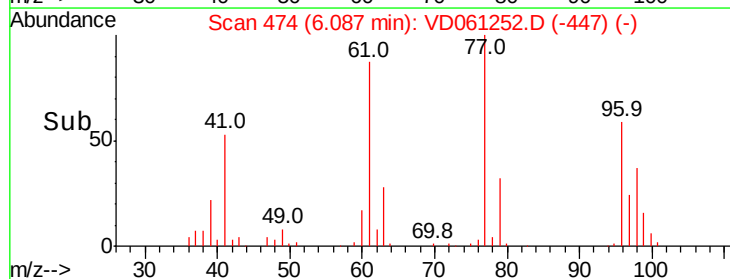
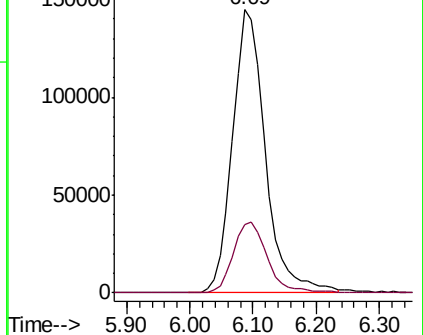
77 100

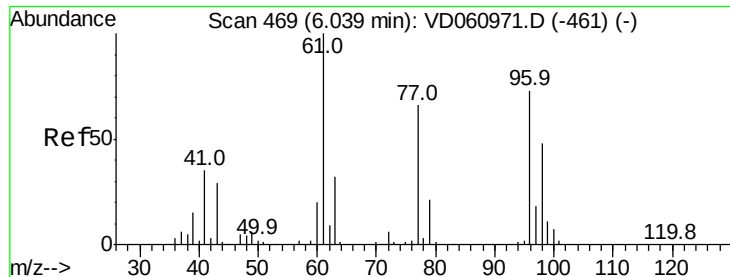
97 24.4 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



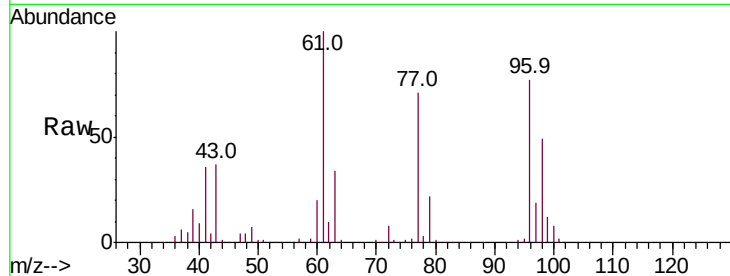


#27

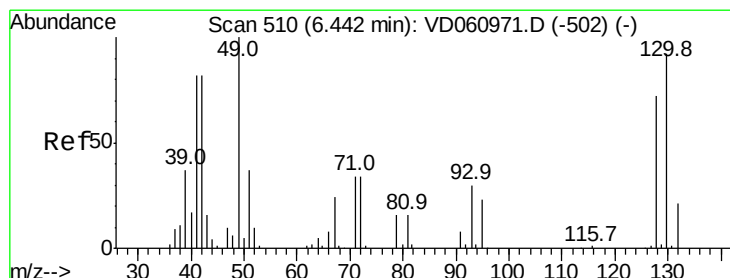
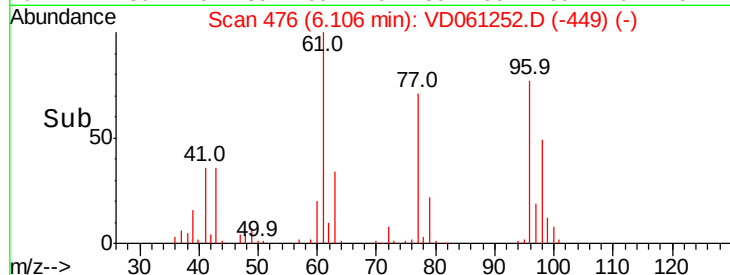
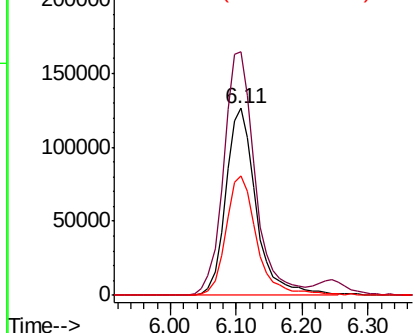
cis-1,2-Dichloroethene  
Concen: 52.026 ug/l  
RT: 6.11 min Scan# 476  
Delta R.T. 0.07 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 130.1 | 0.0   | 273.6 |
| 98      | 63.8  | 0.0   | 132.6 |



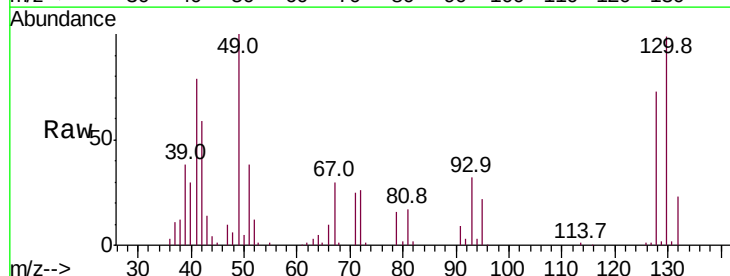
Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



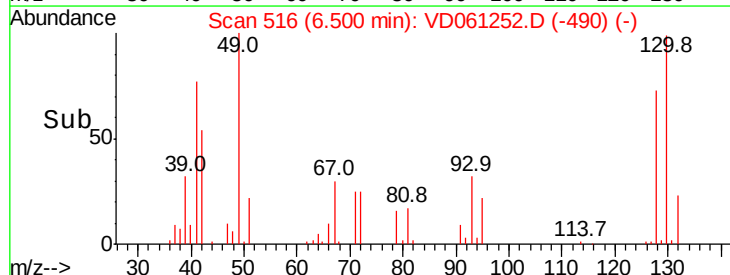
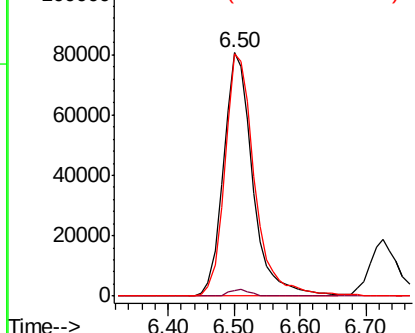
#28

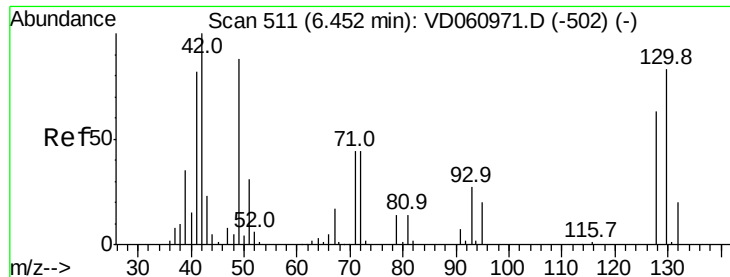
Bromochloromethane  
Concen: 47.804 ug/l  
RT: 6.50 min Scan# 516  
Delta R.T. 0.06 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.1   | 0.0   | 4.0   |
| 130     | 99.5  | 73.8  | 110.8 |



Abundance Ion 48.90 (48.60 to 49.60): VDC  
Ion 128.80 (128.50 to 129.50): VDC  
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 244.849 ug/l

RT: 6.52 min Scan# 518

Delta R.T. 0.07 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

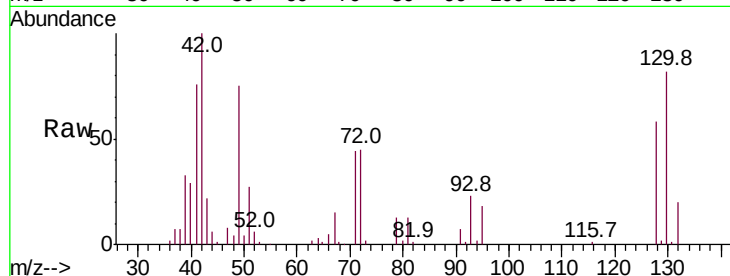
Tot Ion: 42 Resp: 243122

Ion Ratio Lower Upper

42 100

72 46.6 34.5 51.7

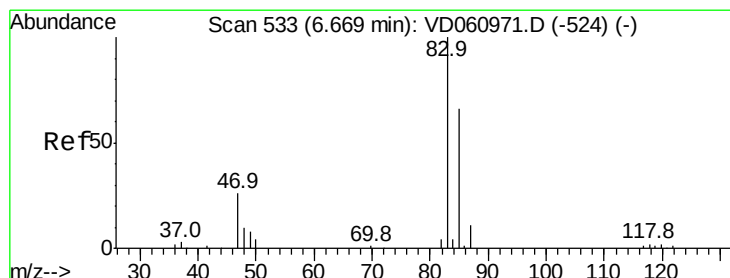
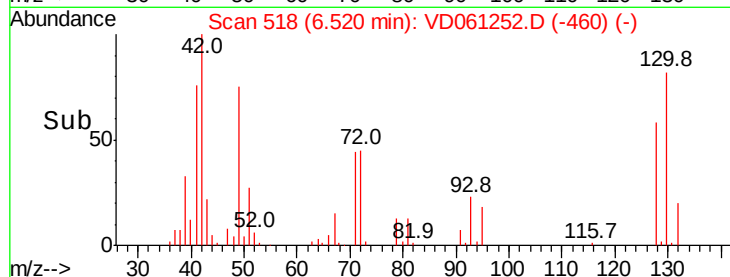
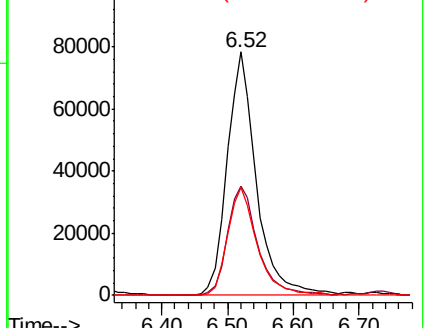
71 44.9 33.8 50.6



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: 50.160 ug/l

RT: 6.73 min Scan# 539

Delta R.T. 0.06 min

Lab File: VD061252.D

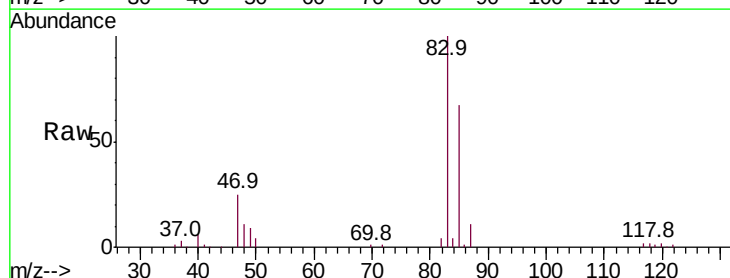
Acq: 22 Mar 2019 10:49

Tgt Ion: 83 Resp: 642938

Ion Ratio Lower Upper

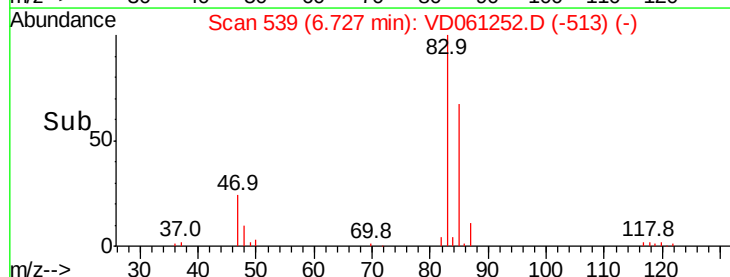
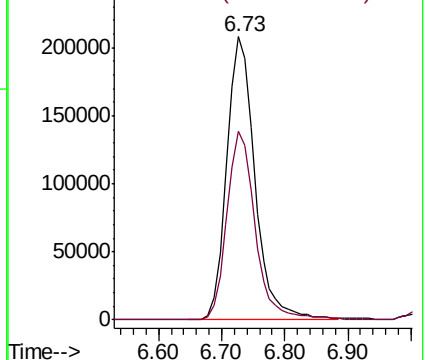
83 100

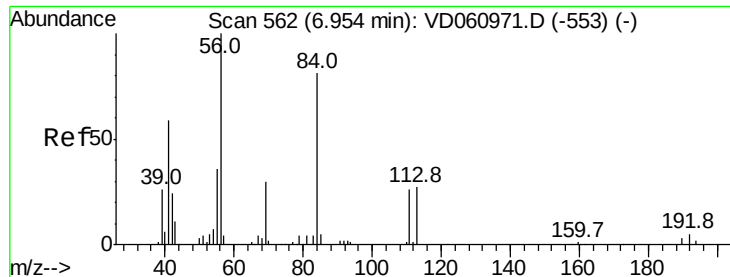
85 66.5 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

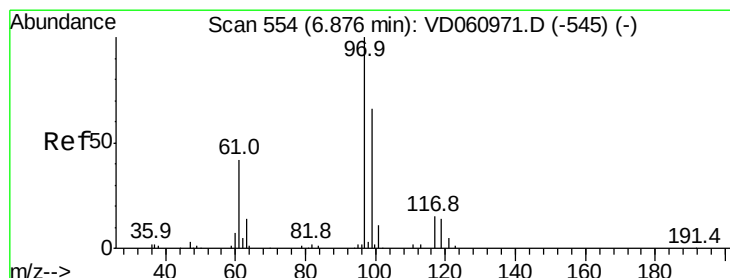
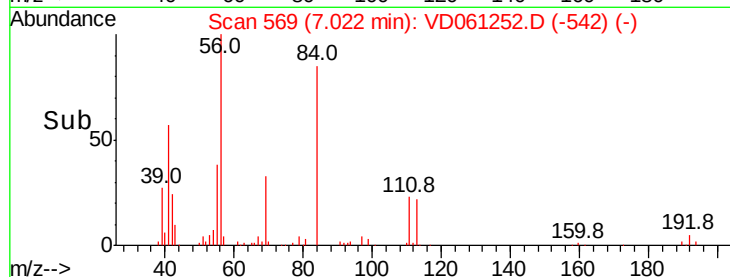
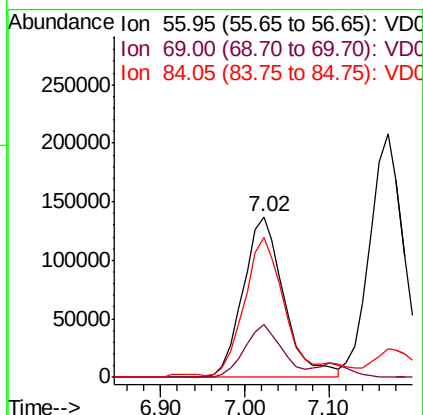
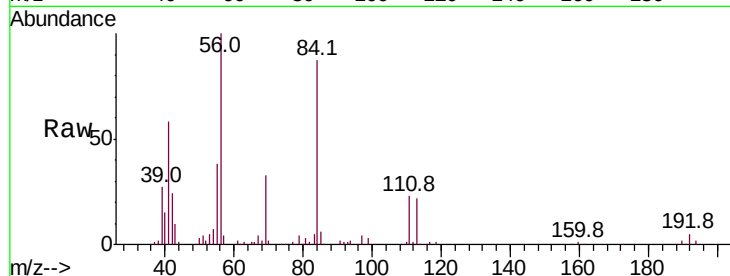




#31  
Cyclohexane  
Concen: 46.693 ug/l  
RT: 7.02 min Scan# 569  
Delta R.T. 0.07 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

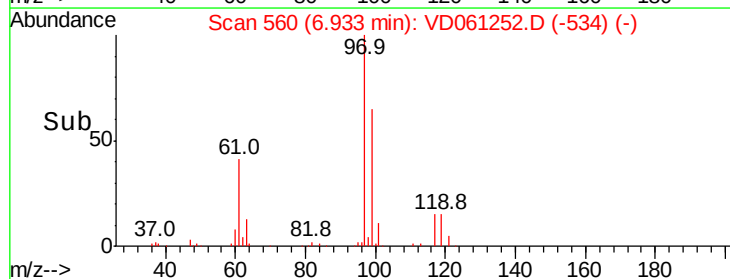
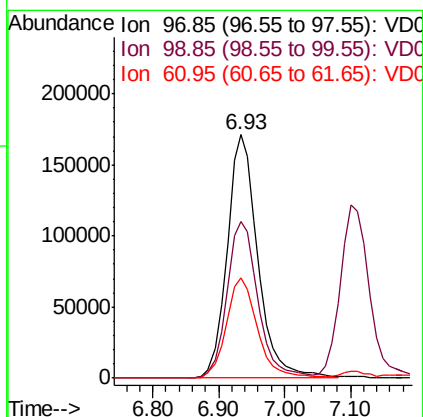
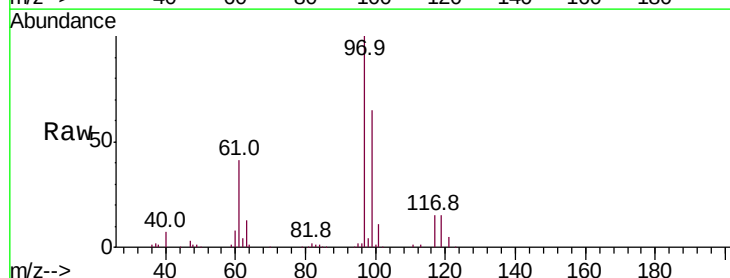
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

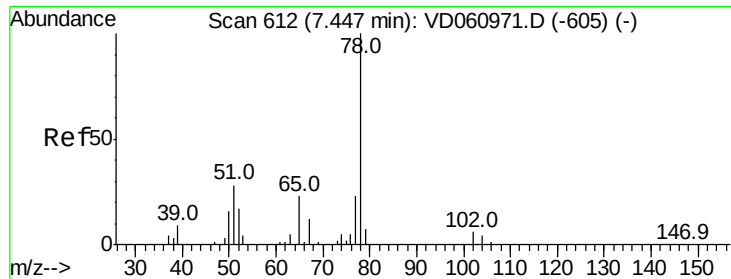
Tot Ion: 56 Resp: 465634  
Ion Ratio Lower Upper  
56 100  
69 32.7 24.0 36.0  
84 87.3 65.8 98.6



#32  
1,1,1-Trichloroethane  
Concen: 50.291 ug/l  
RT: 6.93 min Scan# 560  
Delta R.T. 0.06 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Tgt Ion: 97 Resp: 557303  
Ion Ratio Lower Upper  
97 100  
99 64.6 53.2 79.8  
61 41.2 33.8 50.8

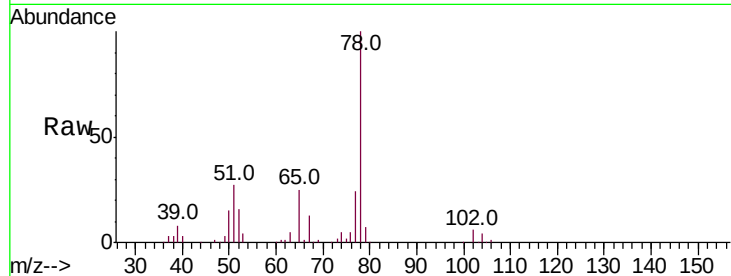




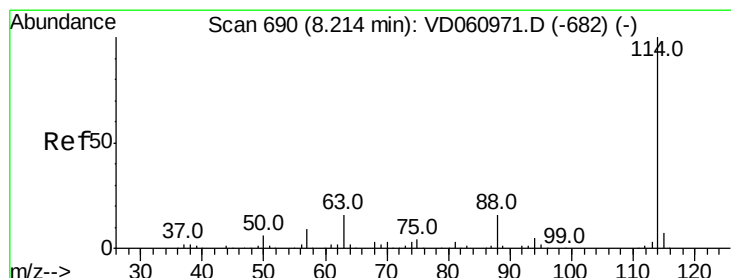
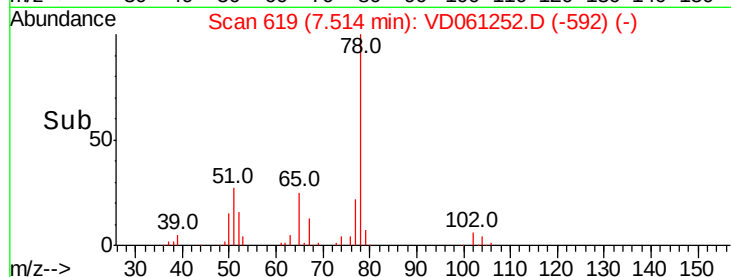
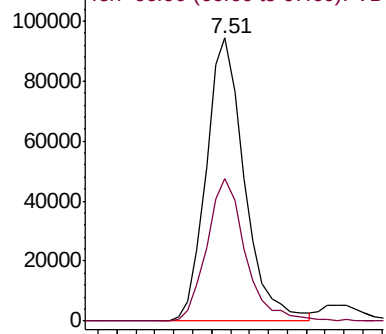
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.291 ug/l  
 RT: 7.51 min Scan# 619  
 Delta R.T. 0.07 min  
 Lab File: VD061252.D  
 Acq: 22 Mar 2019 10:49

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 65 Resp: 264291  
 Ion Ratio Lower Upper  
 65 100  
 67 50.5 0.0 105.2

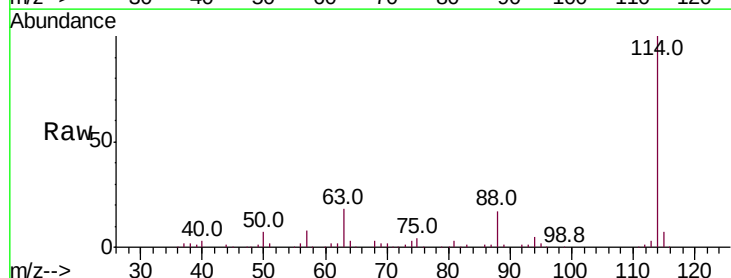


Abundance Ion 64.95 (64.65 to 65.65): VDC  
 Ion 66.90 (66.60 to 67.60): VDC

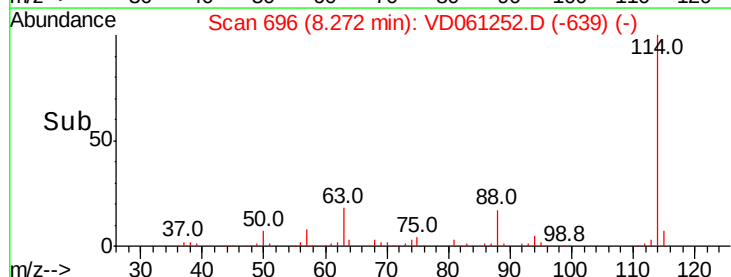
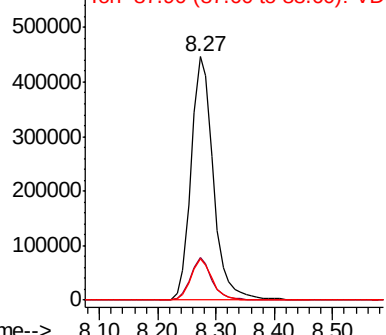


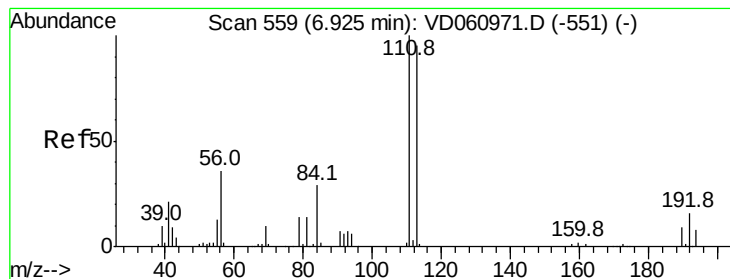
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.27 min Scan# 696  
 Delta R.T. 0.06 min  
 Lab File: VD061252.D  
 Acq: 22 Mar 2019 10:49

Tgt Ion: 114 Resp: 1182307  
 Ion Ratio Lower Upper  
 114 100  
 63 17.7 0.0 31.4  
 88 16.7 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): VDC  
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.98 min Scan# 565

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

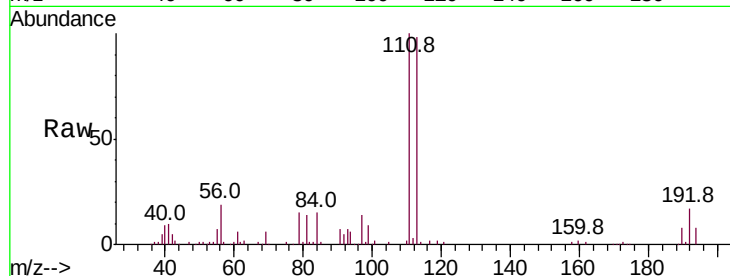
Tot Ion:113 Resp: 427445

Ion Ratio Lower Upper

113 100

111 101.7 84.2 126.4

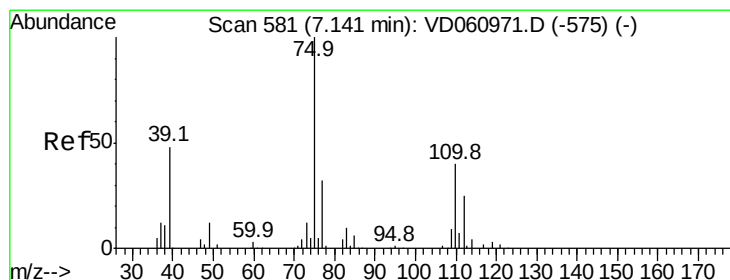
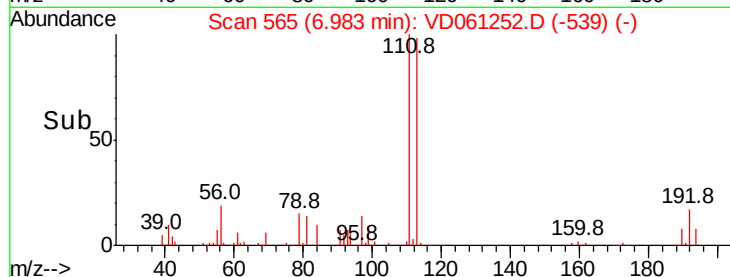
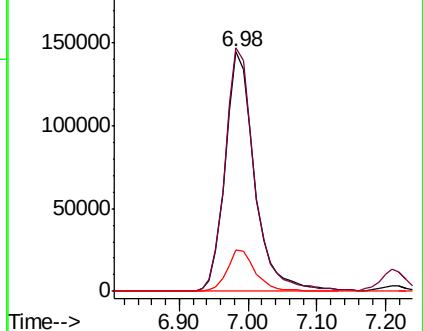
192 17.4 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 47.510 ug/l

RT: 7.21 min Scan# 588

Delta R.T. 0.07 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

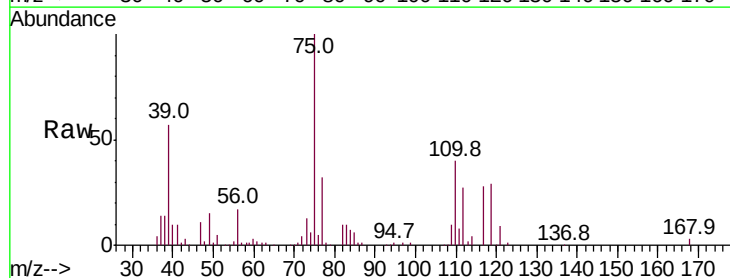
Tgt Ion: 75 Resp: 484194

Ion Ratio Lower Upper

75 100

110 40.0 19.7 59.1

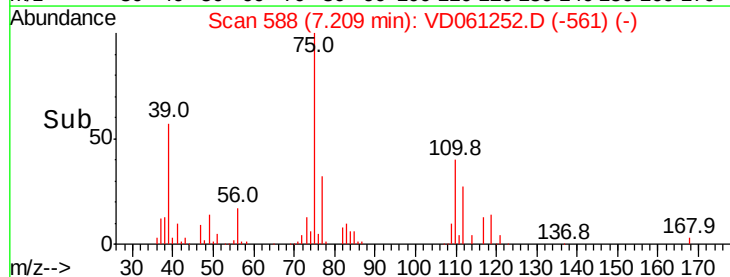
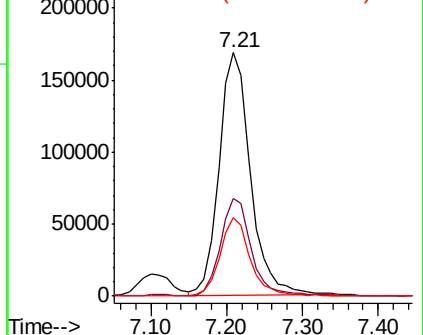
77 32.1 24.7 37.1

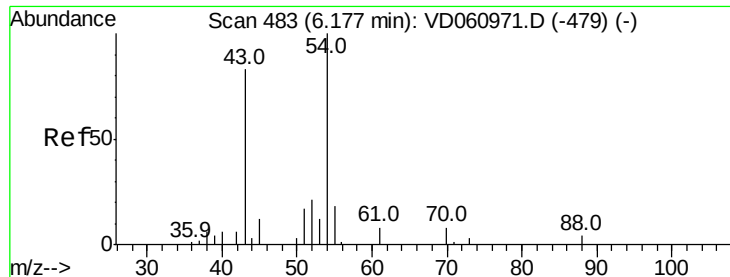


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

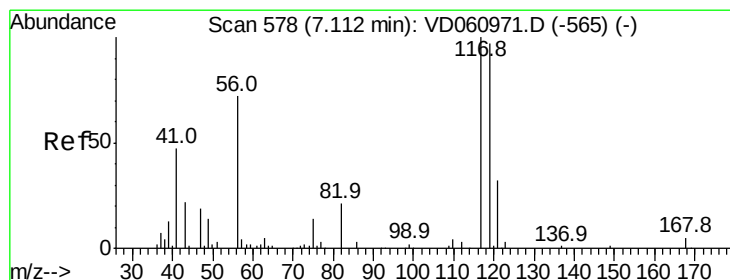
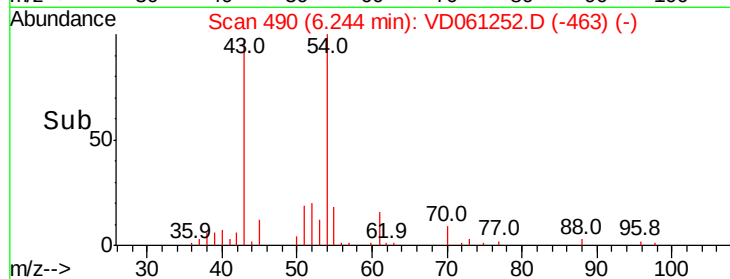
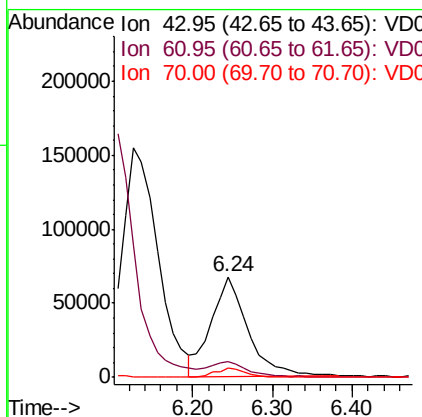
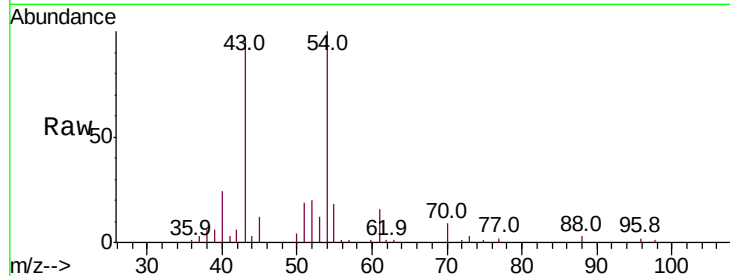




#37  
Ethyl Acetate  
Concen: 44.952 ug/l  
RT: 6.24 min Scan# 490  
Delta R.T. 0.07 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

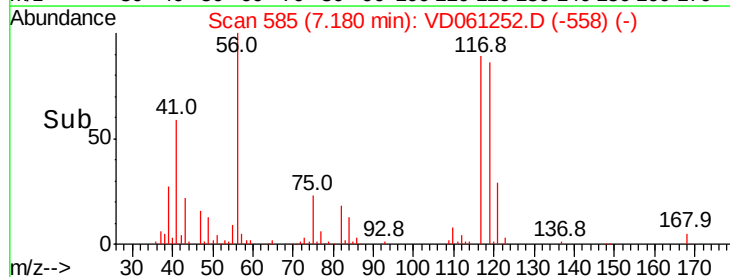
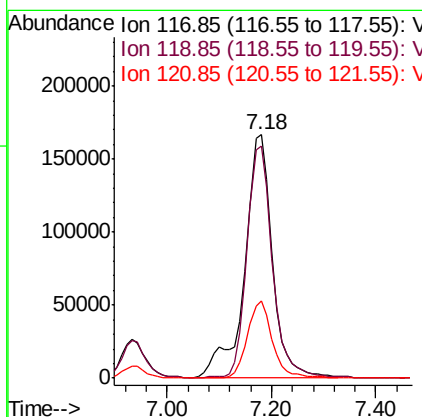
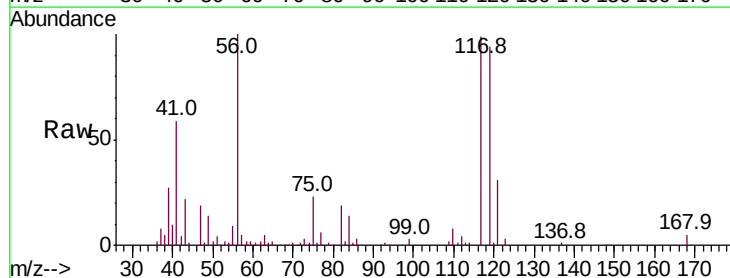
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

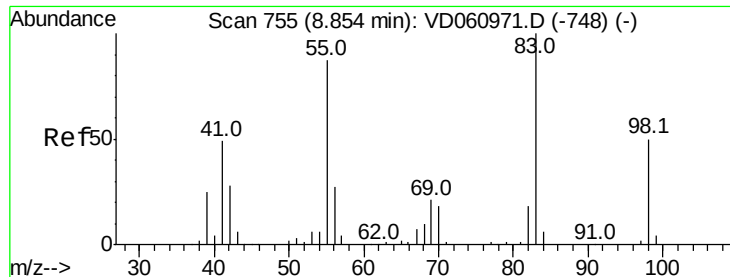
Tot Ion: 43 Resp: 214977  
Ion Ratio Lower Upper  
43 100  
61 16.3 13.7 20.5  
70 8.8 7.1 10.7



#38  
Carbon Tetrachloride  
Concen: 53.228 ug/l  
RT: 7.18 min Scan# 585  
Delta R.T. 0.07 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Tgt Ion: 117 Resp: 597536  
Ion Ratio Lower Upper  
117 100  
119 95.2 77.8 116.8  
121 31.9 25.3 37.9

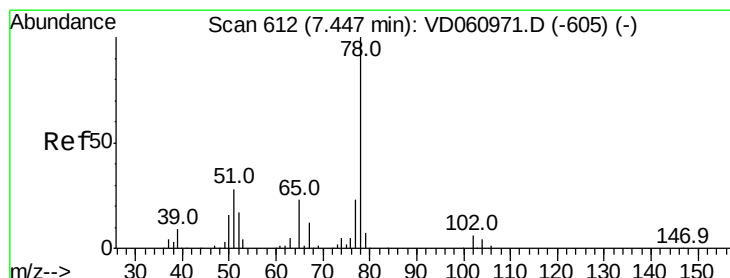
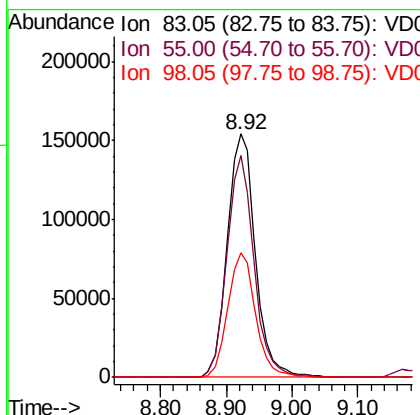
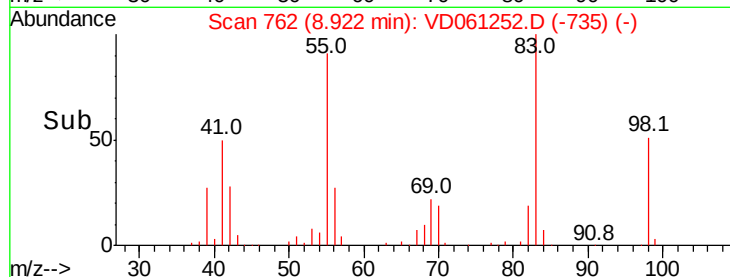
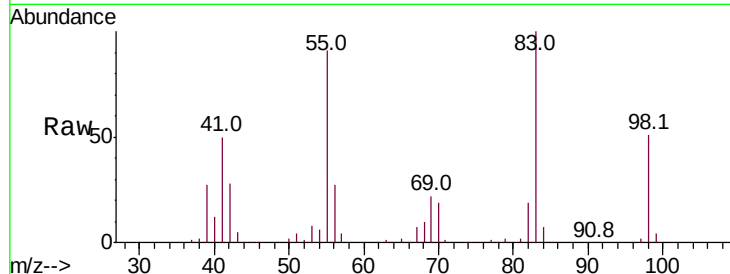




#39  
Methylvlcyclohexane  
Concen: 43.595 ug/l  
RT: 8.92 min Scan# 762  
Delta R.T. 0.07 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

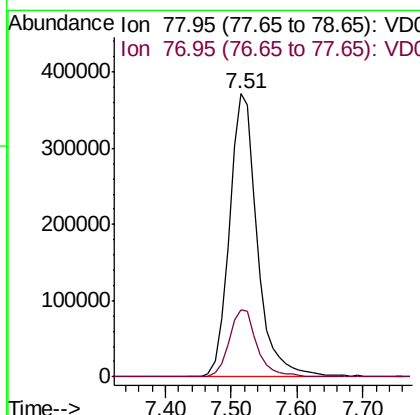
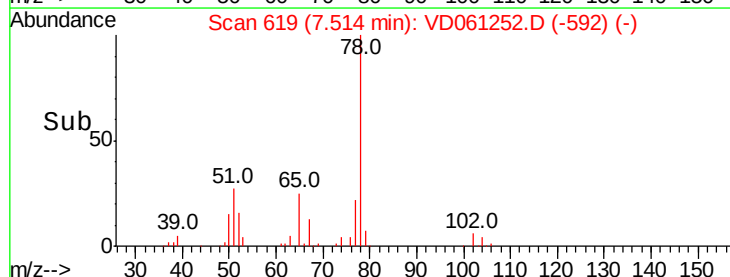
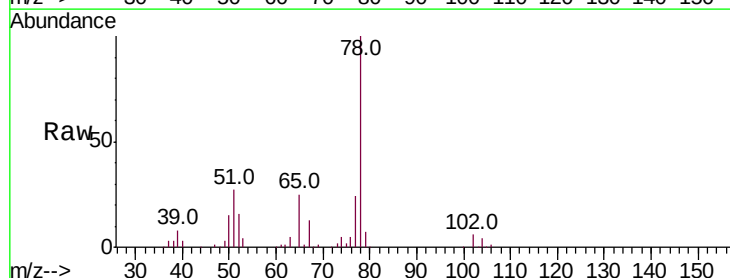
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 83 Resp: 460692  
Ion Ratio Lower Upper  
83 100  
55 91.4 69.6 104.4  
98 51.3 40.0 60.0

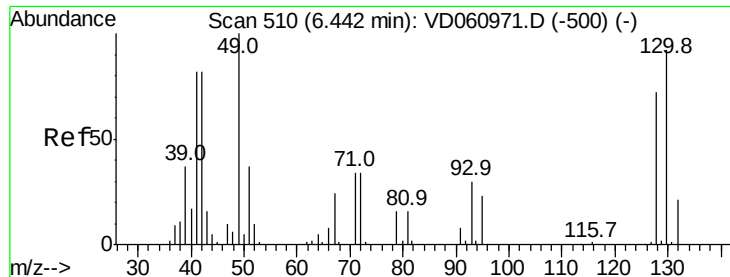


#40  
Benzene  
Concen: 43.181 ug/l  
RT: 7.51 min Scan# 619  
Delta R.T. 0.07 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Tgt Ion: 78 Resp: 1099638  
Ion Ratio Lower Upper  
78 100  
77 23.9 18.8 28.2



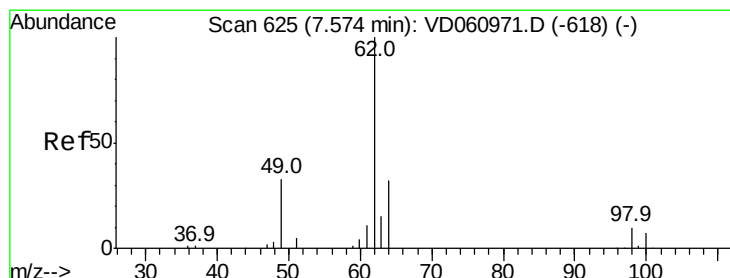
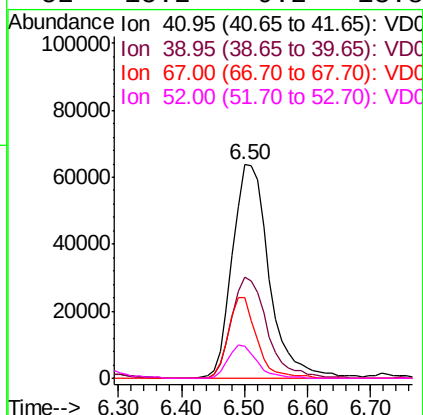
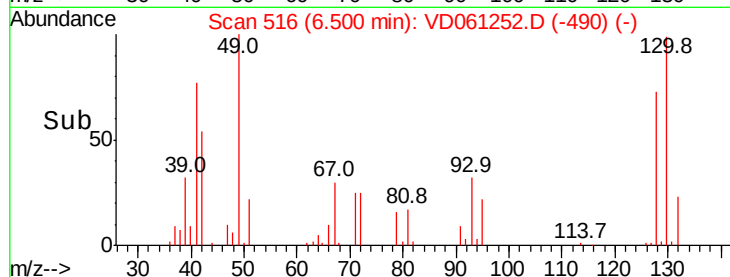
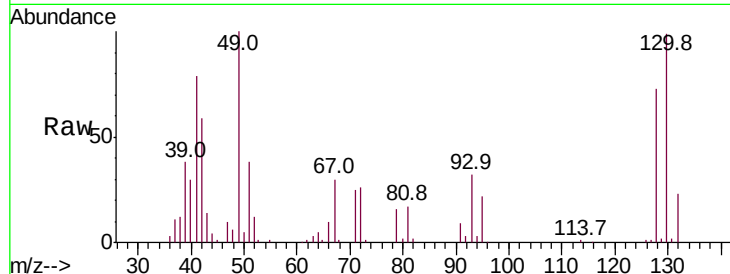




#41  
Methacrylonitrile  
Concen: 46.851 ug/l  
RT: 6.50 min Scan# 516  
Delta R.T. 0.06 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

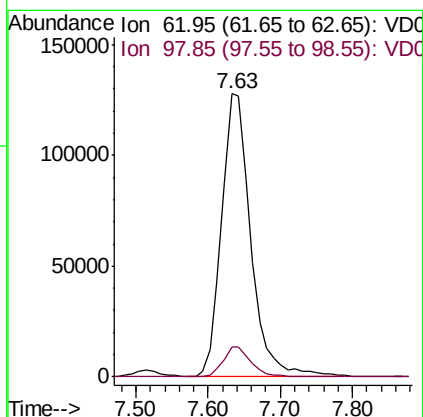
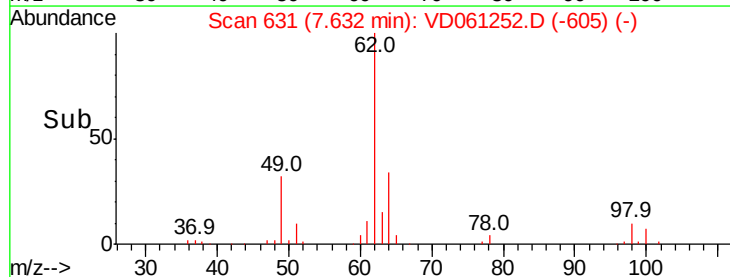
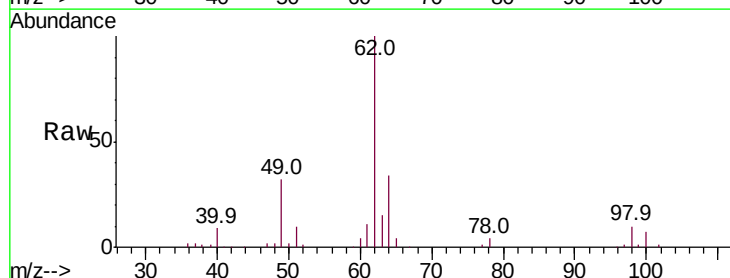
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

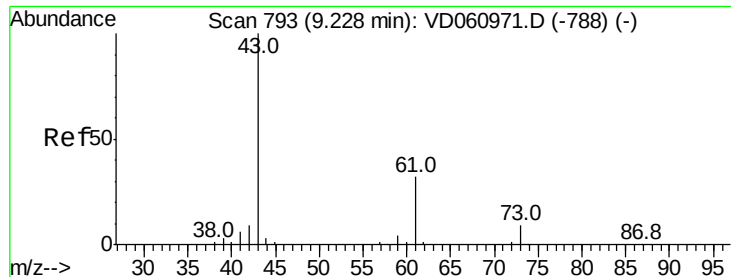
Tot Ion: 41 Resp: 257722  
Ion Ratio Lower Upper  
41 100  
39 47.7 35.7 53.5  
67 37.6 23.0 34.6#  
52 15.2 9.2 13.8#



#42  
1,2-Dichloroethane  
Concen: 48.756 ug/l  
RT: 7.63 min Scan# 631  
Delta R.T. 0.06 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Tgt Ion: 62 Resp: 360309  
Ion Ratio Lower Upper  
62 100  
98 10.4 0.0 20.4





#43

Isopropyl Acetate

Concen: 48.285 ug/l

RT: 9.29 min Scan# 799

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

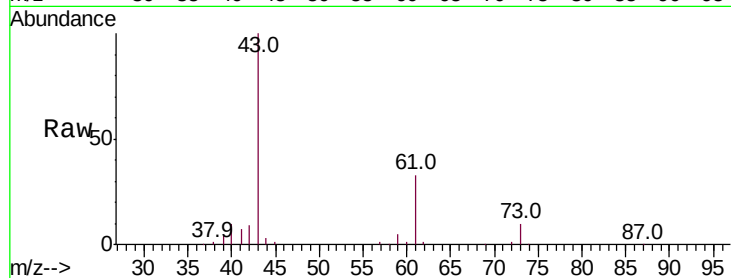
Tot Ion: 43 Resp: 319829

Ion Ratio Lower Upper

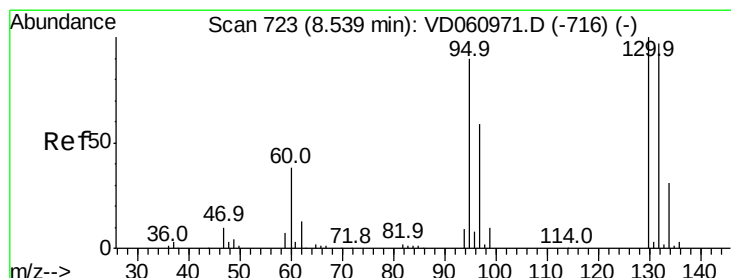
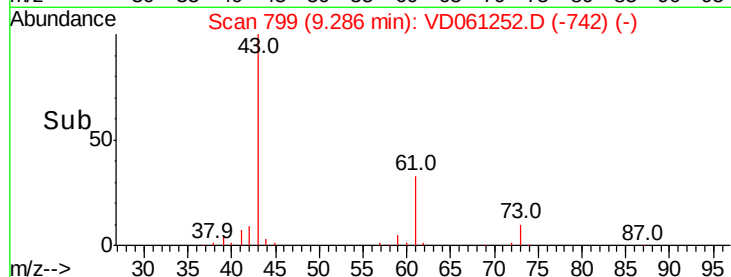
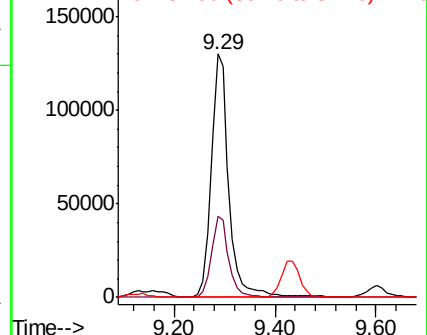
43 100

61 33.1 25.6 38.4

87 0.4 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.317 ug/l

RT: 8.60 min Scan# 729

Delta R.T. 0.06 min

Lab File: VD061252.D

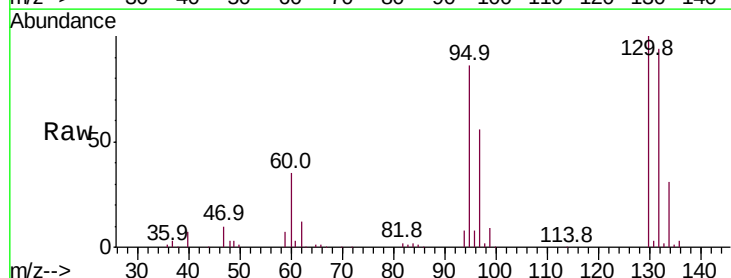
Acq: 22 Mar 2019 10:49

Tgt Ion:130 Resp: 442061

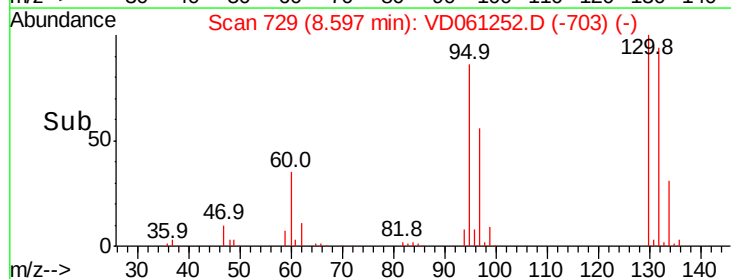
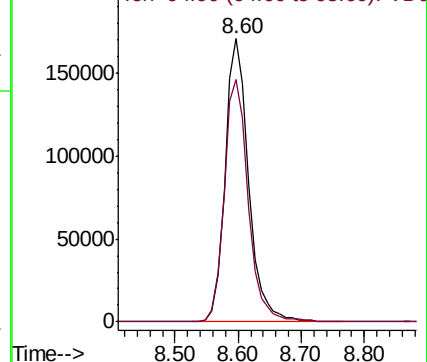
Ion Ratio Lower Upper

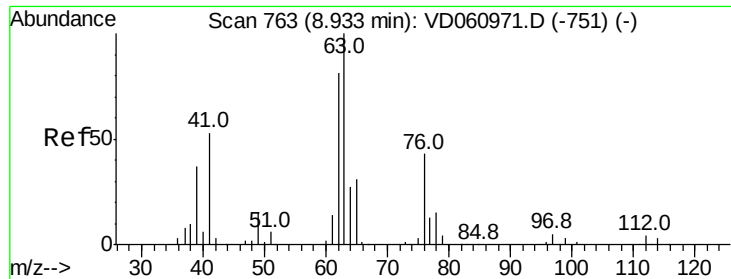
130 100

95 85.9 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 44.234 ug/l

RT: 8.99 min Scan# 769

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

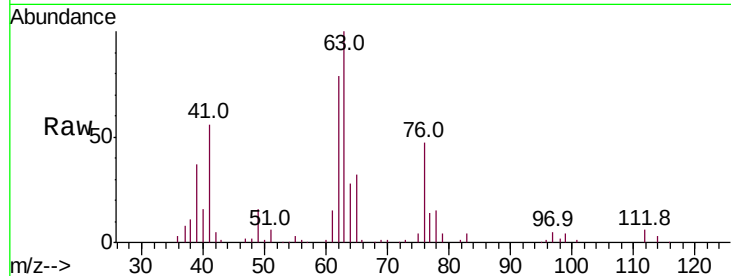
VSTDCCC050

Tot Ion: 63 Resp: 295939

Ion Ratio Lower Upper

63 100

65 32.0 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.99

120000

100000

80000

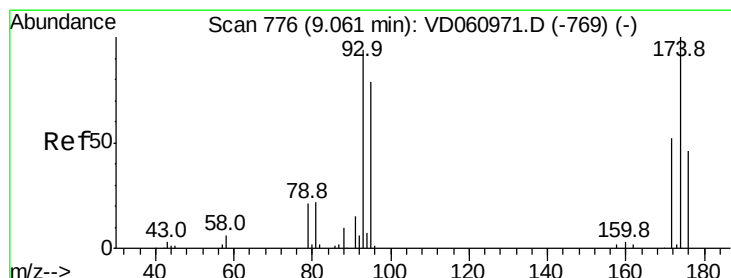
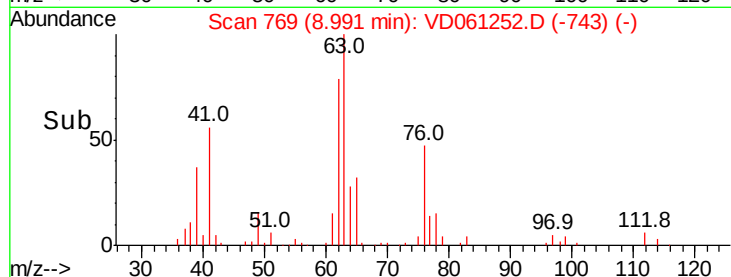
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 47.656 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

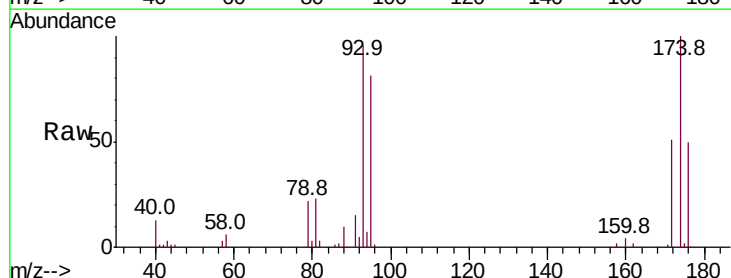
Tgt Ion: 93 Resp: 202245

Ion Ratio Lower Upper

93 100

95 83.9 67.4 101.0

174 104.0 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

120000

100000

80000

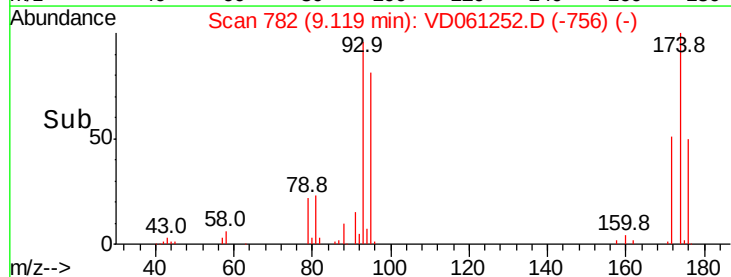
60000

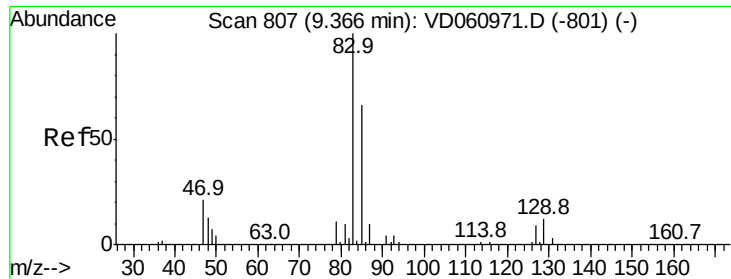
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 50.307 ug/l

RT: 9.43 min Scan# 814

Delta R.T. 0.07 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

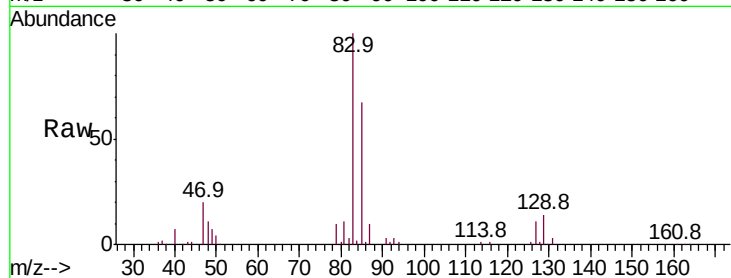
Tot Ion: 83 Resp: 481770

Ion Ratio Lower Upper

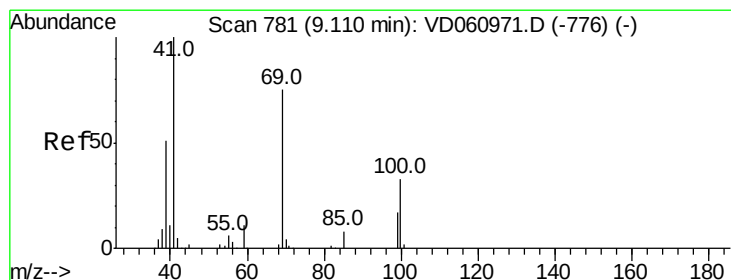
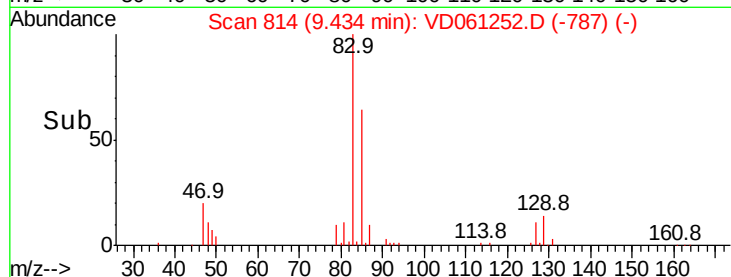
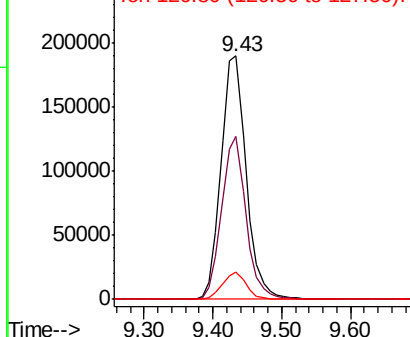
83 100

85 67.2 52.5 78.7

127 11.0 7.5 11.3



Abundance Ion 82.85 (82.55 to 83.55): VDC  
Ion 84.95 (84.65 to 85.65): VDC  
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 47.855 ug/l

RT: 9.17 min Scan# 787

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

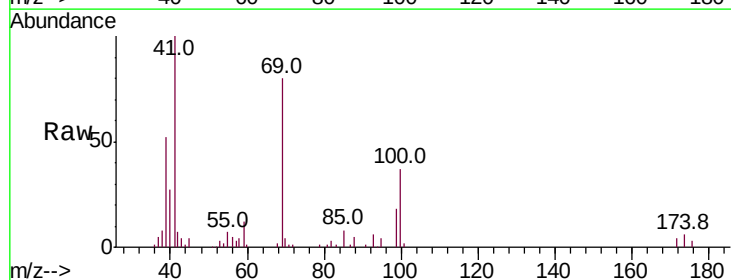
Tgt Ion: 41 Resp: 178474

Ion Ratio Lower Upper

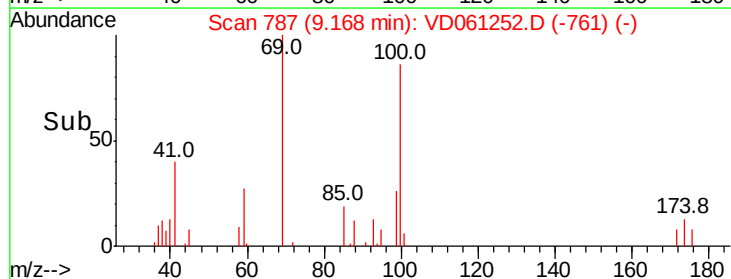
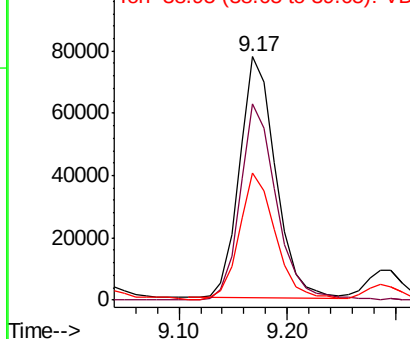
41 100

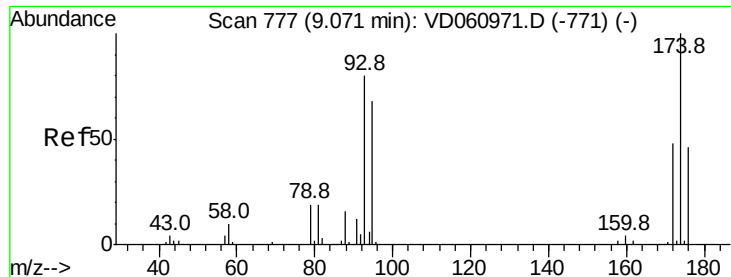
69 80.4 59.9 89.9

39 52.4 40.9 61.3



Abundance Ion 40.95 (40.65 to 41.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1050.739 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

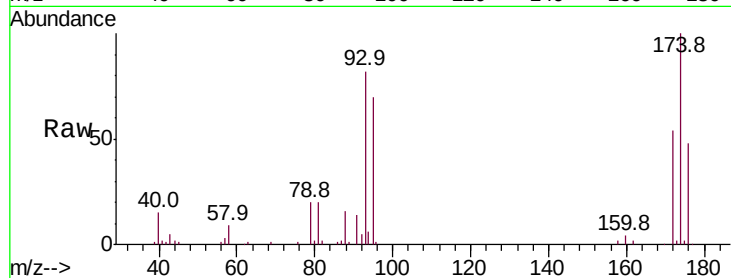
Tot Ion: 88 Resp: 39625

Ion Ratio Lower Upper

88 100

43 28.5 21.0 31.6

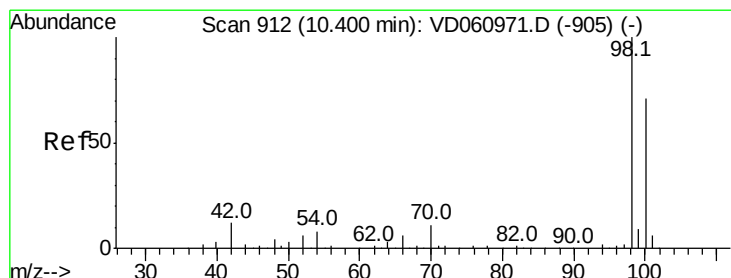
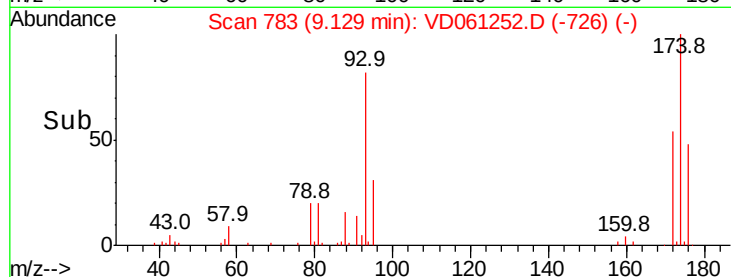
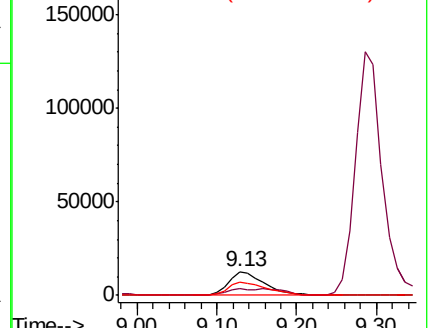
58 55.0 48.6 72.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1050.739 ug/l

RT: 10.46 min Scan# 918

Delta R.T. 0.06 min

Lab File: VD061252.D

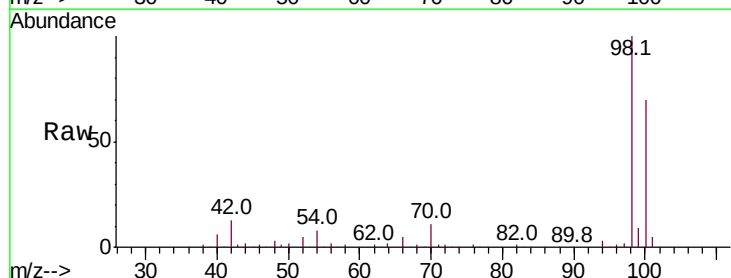
Acq: 22 Mar 2019 10:49

Tgt Ion: 98 Resp: 1062190

Ion Ratio Lower Upper

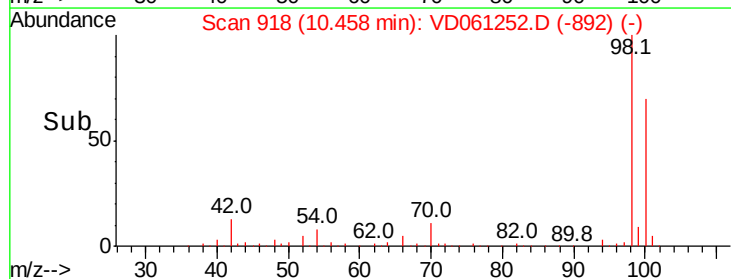
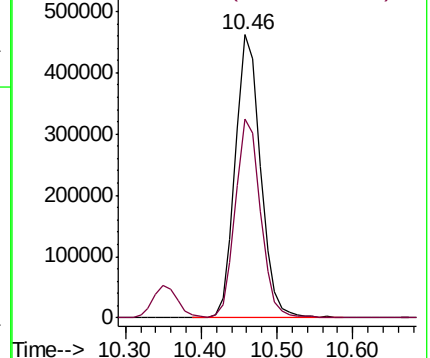
98 100

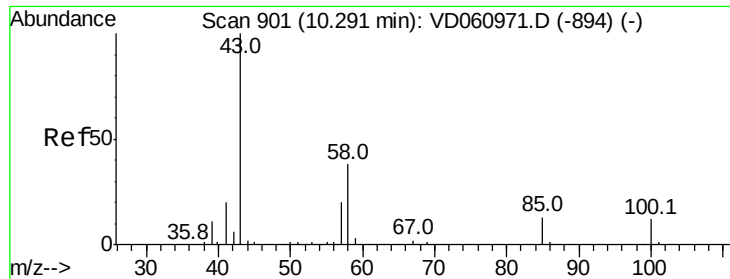
100 70.4 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 232.482 ug/l

RT: 10.35 min Scan# 907

Delta R.T. 0.06 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

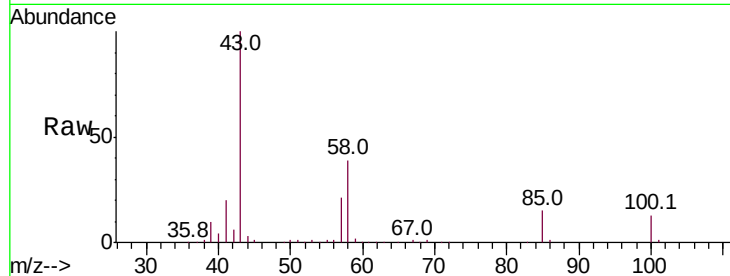
VSTDCCC050

Tot Ion: 43 Resp: 943399

Ion Ratio Lower Upper

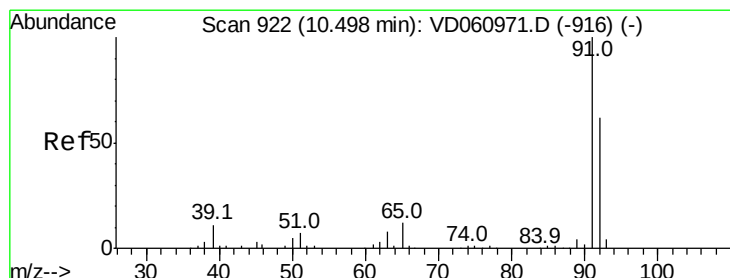
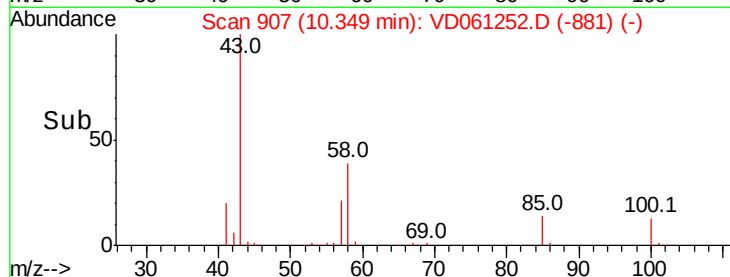
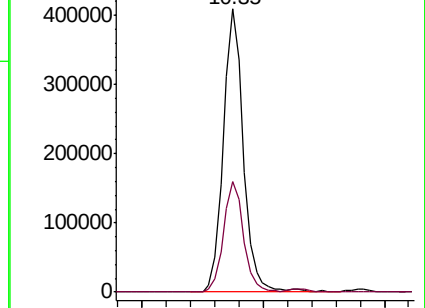
43 100

58 39.3 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 45.006 ug/l

RT: 10.56 min Scan# 928

Delta R.T. 0.06 min

Lab File: VD061252.D

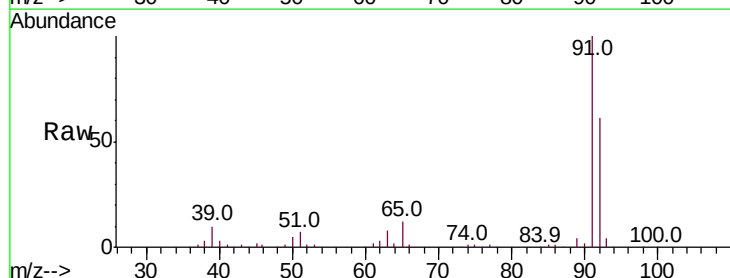
Acq: 22 Mar 2019 10:49

Tgt Ion: 92 Resp: 712684

Ion Ratio Lower Upper

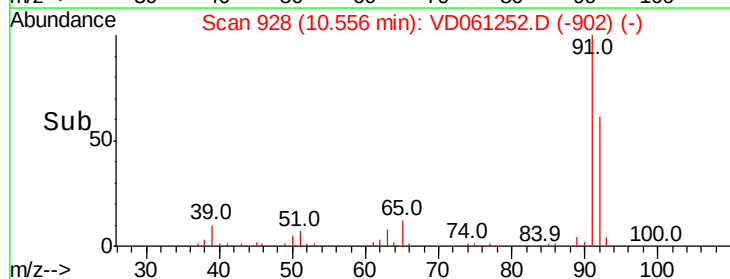
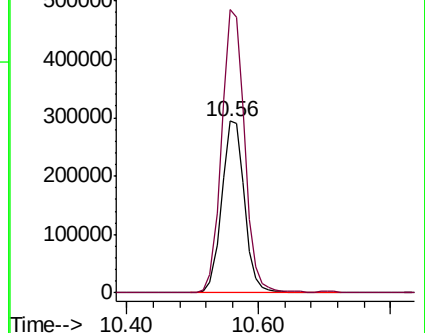
92 100

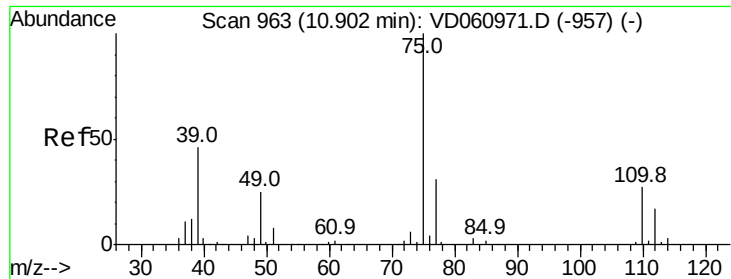
91 165.1 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

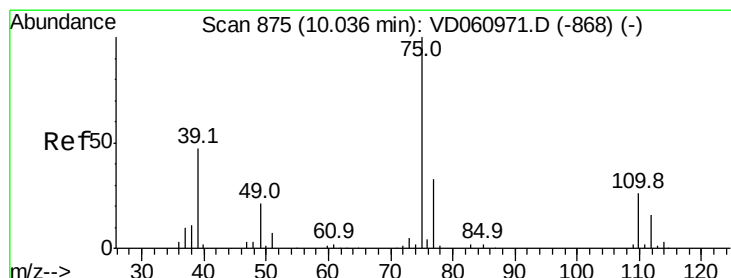
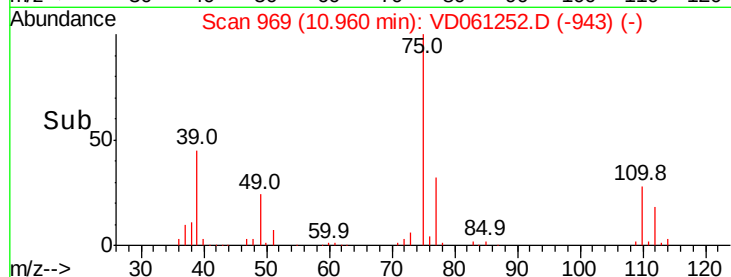
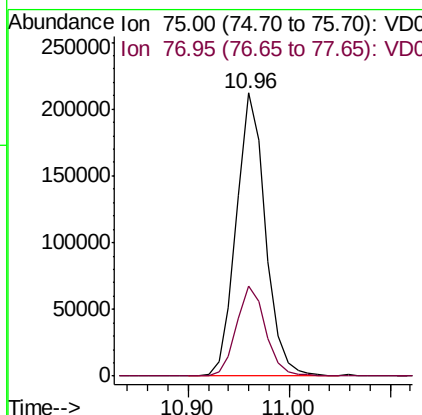
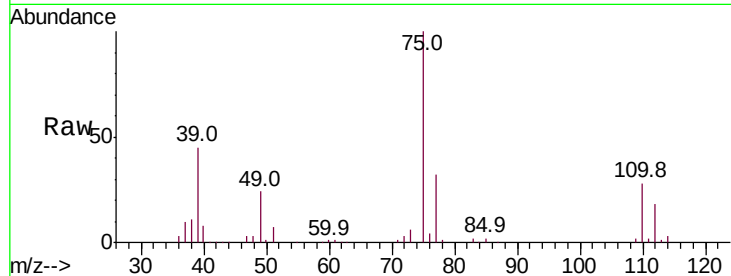




#53  
 t-1,3-Dichloropropene  
 Concen: 48.740 ug/l  
 RT: 10.96 min Scan# 969  
 Delta R.T. 0.06 min  
 Lab File: VD061252.D  
 Acq: 22 Mar 2019 10:49

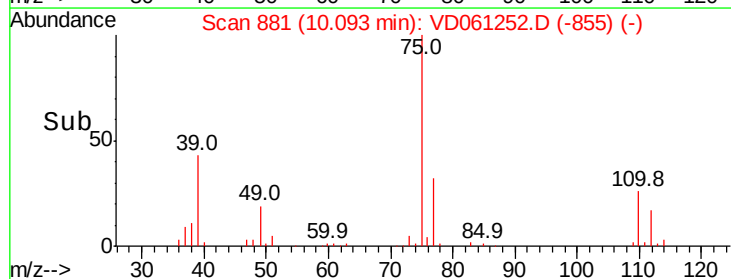
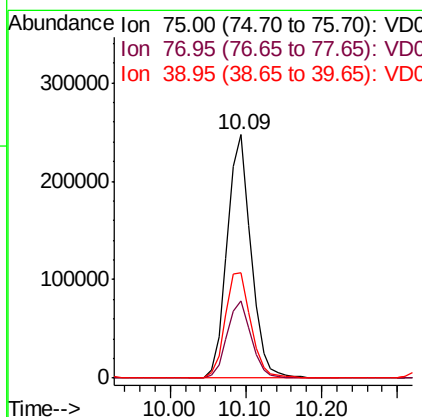
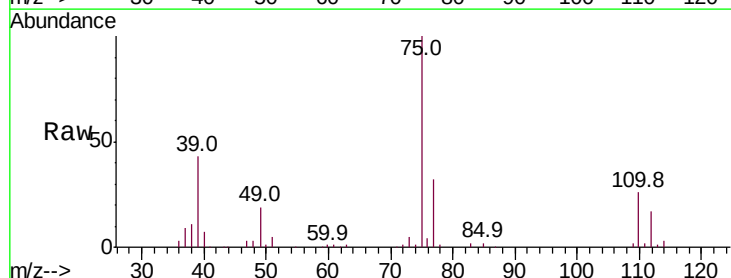
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

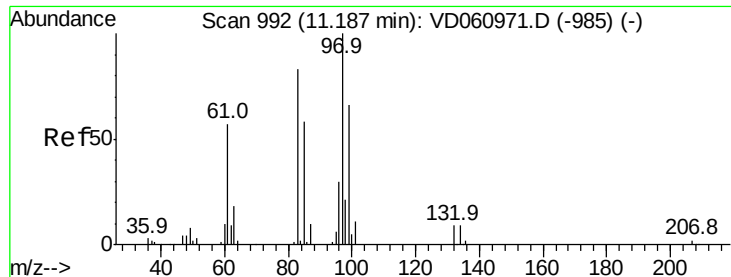
Tot Ion: 75 Resp: 426812  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 24.7 37.1



#54  
 cis-1,3-Dichloropropene  
 Concen: 51.386 ug/l  
 RT: 10.09 min Scan# 881  
 Delta R.T. 0.06 min  
 Lab File: VD061252.D  
 Acq: 22 Mar 2019 10:49

Tgt Ion: 75 Resp: 540659  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 26.2 39.4  
 39 43.5 37.8 56.8

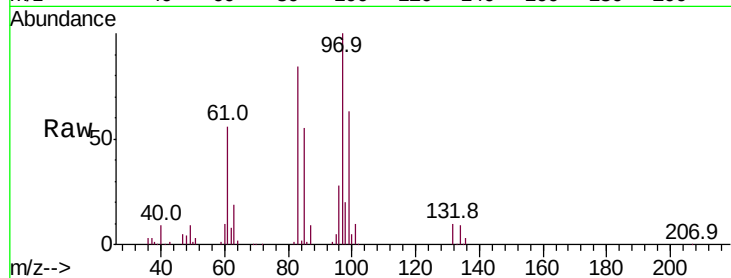




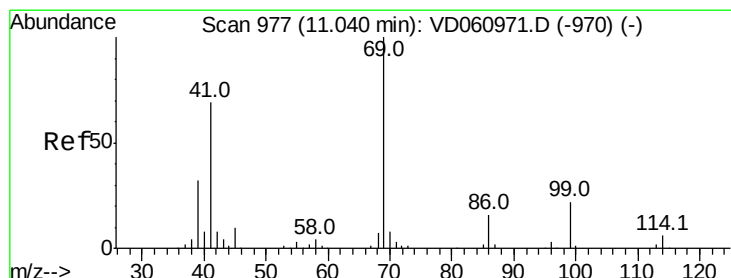
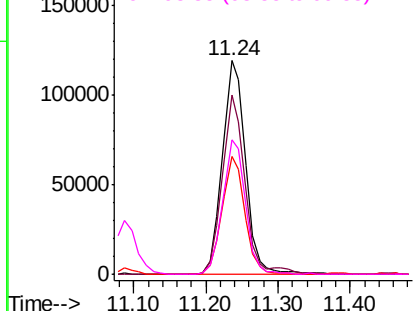
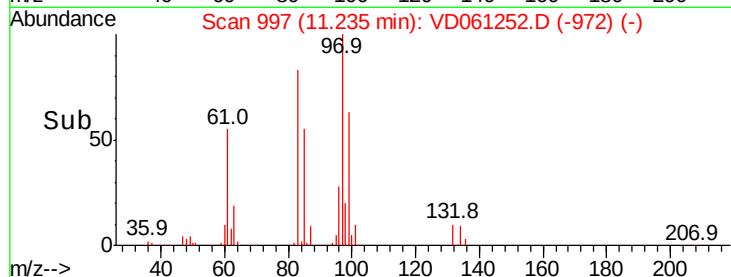
#55  
 1,1,2-Trichloroethane  
 Concen: 49.833 ug/l  
 RT: 11.24 min Scan# 997  
 Delta R.T. 0.05 min  
 Lab File: VD061252.D  
 Acq: 22 Mar 2019 10:49

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 83.9  | 66.6  | 100.0 |
| 85      | 55.1  | 46.4  | 69.6  |
| 99      | 62.8  | 52.4  | 78.6  |

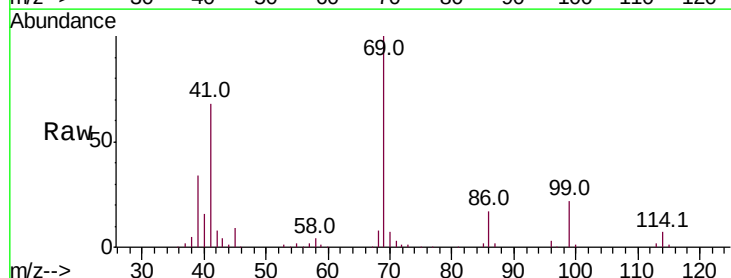


Abundance Ion 96.85 (96.55 to 97.55): VDC  
 Ion 82.95 (82.65 to 83.65): VDC  
 Ion 84.95 (84.65 to 85.65): VDC  
 Ion 98.85 (98.55 to 99.55): VDC

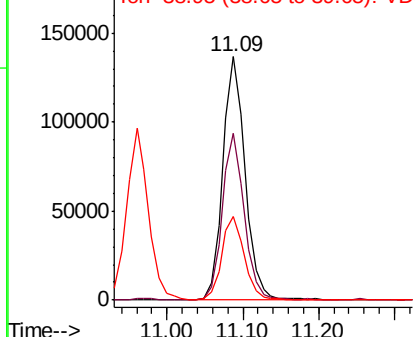
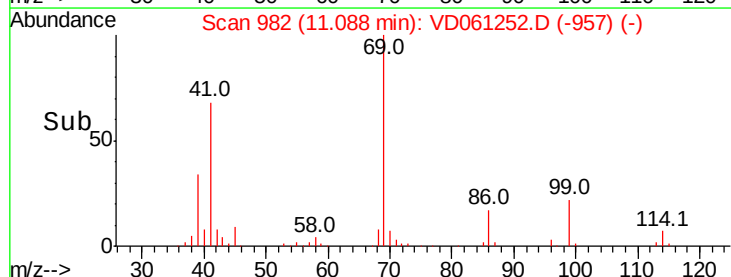


#56  
 Ethyl methacrylate  
 Concen: 50.572 ug/l  
 RT: 11.09 min Scan# 982  
 Delta R.T. 0.05 min  
 Lab File: VD061252.D  
 Acq: 22 Mar 2019 10:49

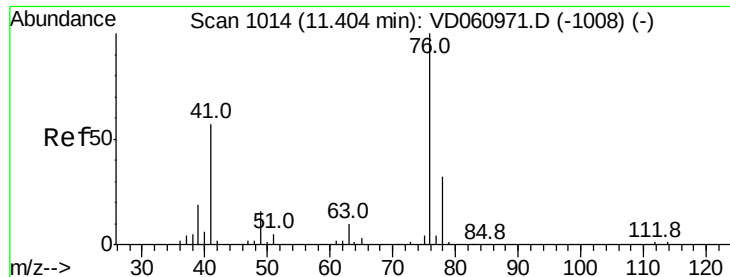
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 68.3  | 55.5  | 83.3  |
| 39      | 34.5  | 26.2  | 39.2  |



Abundance Ion 69.00 (68.70 to 69.70): VDC  
 Ion 41.05 (40.75 to 41.75): VDC  
 Ion 38.95 (38.65 to 39.65): VDC







#57

1,3-Dichloropropane

Concen: 47.593 ug/l

RT: 11.45 min Scan# 1019

Delta R.T. 0.05 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

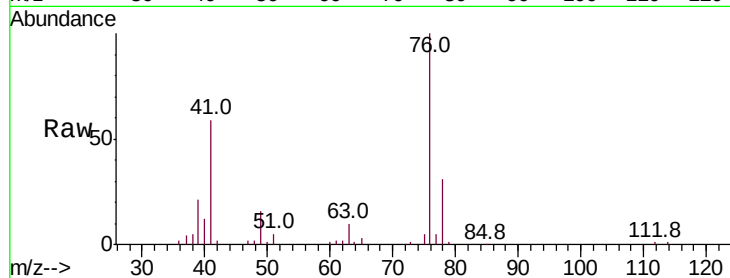
VSTDCCC050

Tot Ion: 76 Resp: 375069

Ion Ratio Lower Upper

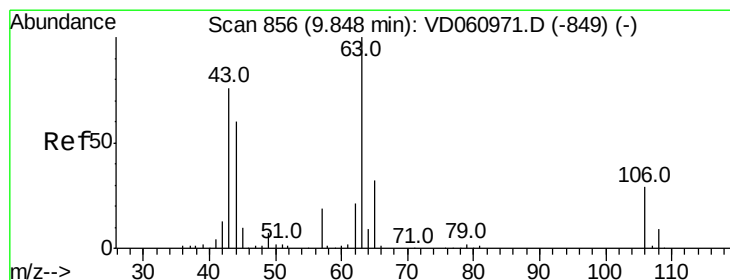
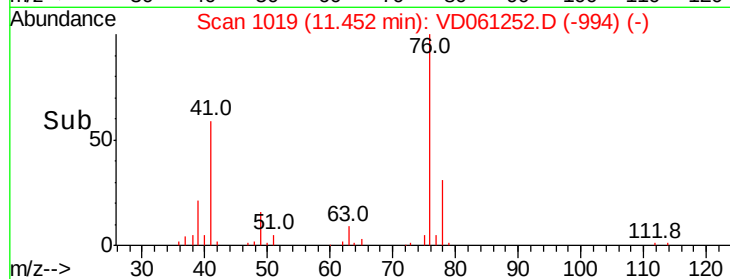
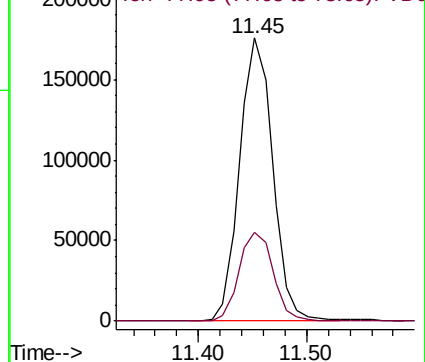
76 100

78 31.4 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 216.268 ug/l

RT: 9.91 min Scan# 862

Delta R.T. 0.06 min

Lab File: VD061252.D

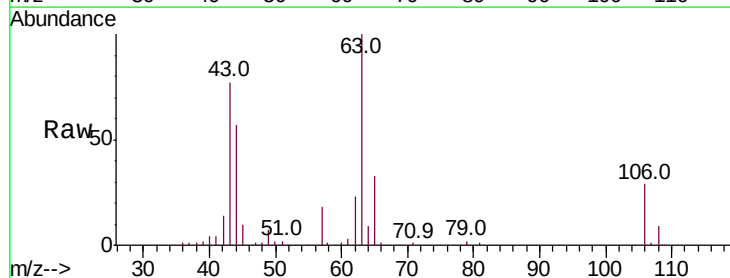
Acq: 22 Mar 2019 10:49

Tgt Ion: 63 Resp: 631890

Ion Ratio Lower Upper

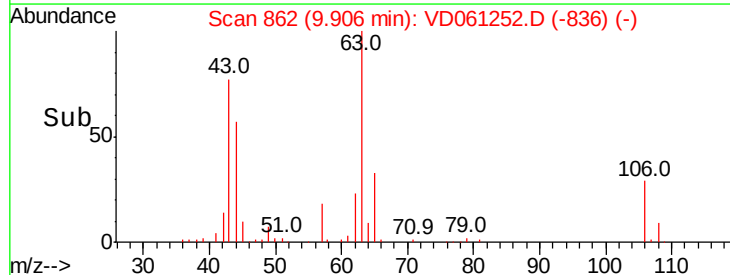
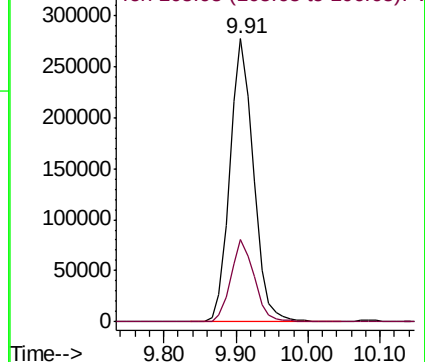
63 100

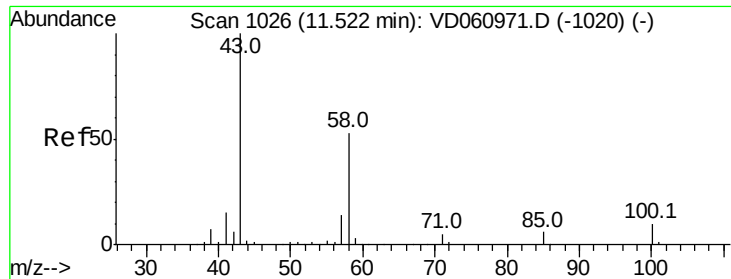
106 29.0 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

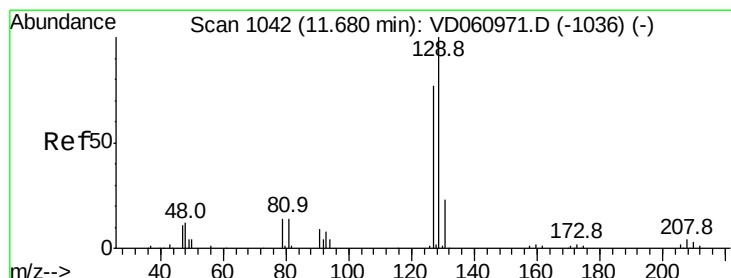
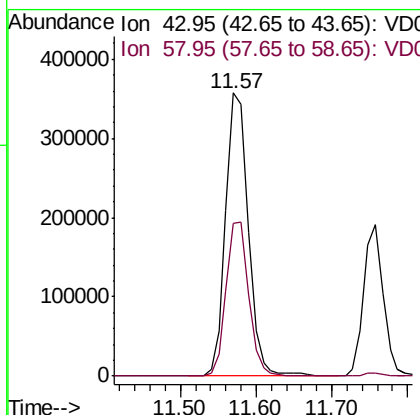
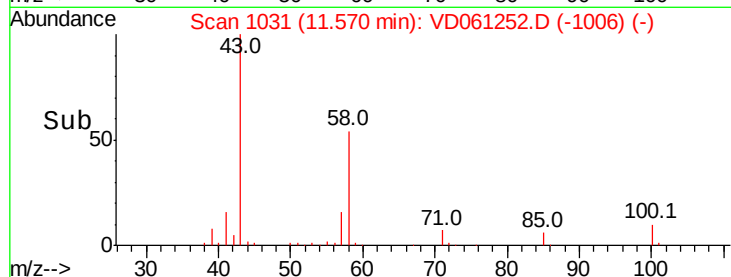
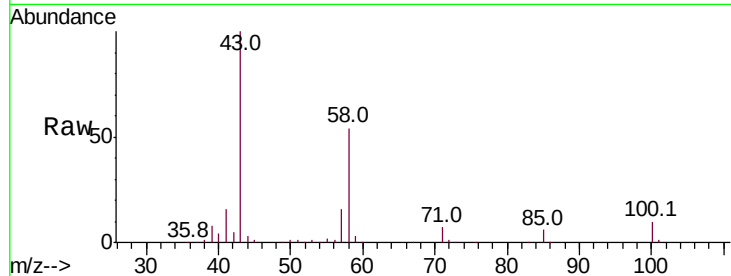




#59  
2-Hexanone  
Concen: 250.594 ug/l  
RT: 11.57 min Scan# 1031  
Delta R.T. 0.05 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

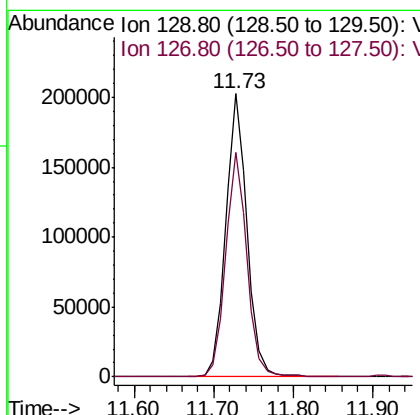
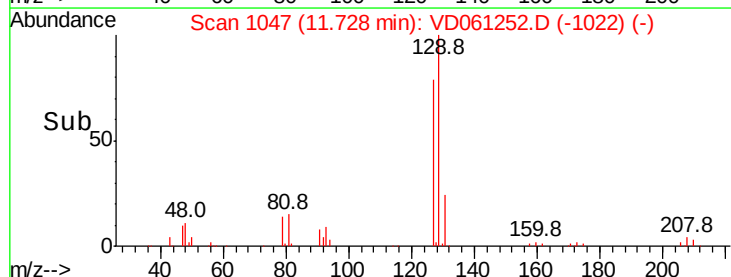
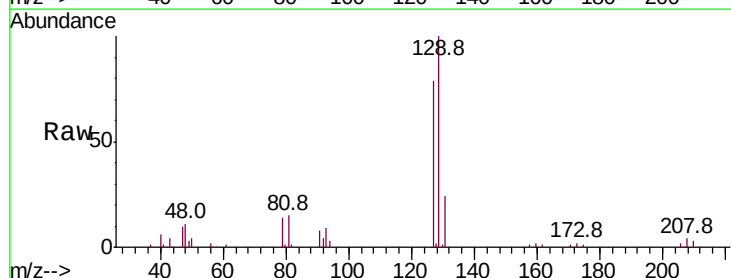
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

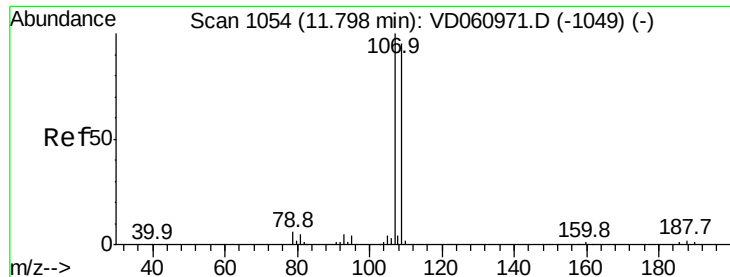
Tot Ion: 43 Resp: 743852  
Ion Ratio Lower Upper  
43 100  
58 54.2 26.5 79.5



#60  
Dibromochloromethane  
Concen: 48.928 ug/l  
RT: 11.73 min Scan# 1047  
Delta R.T. 0.05 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Tgt Ion: 129 Resp: 379734  
Ion Ratio Lower Upper  
129 100  
127 79.2 38.3 114.9

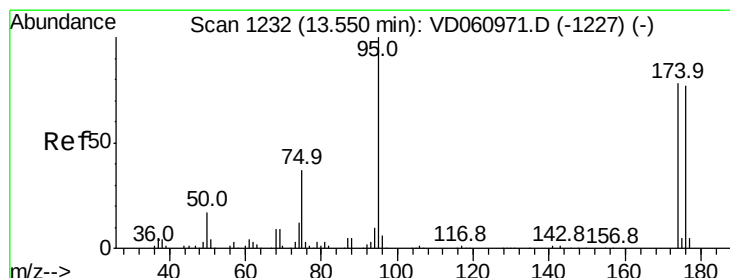
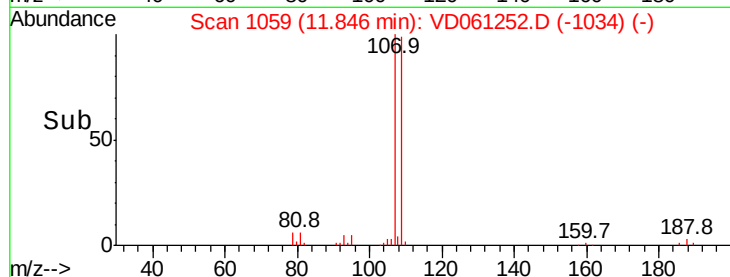
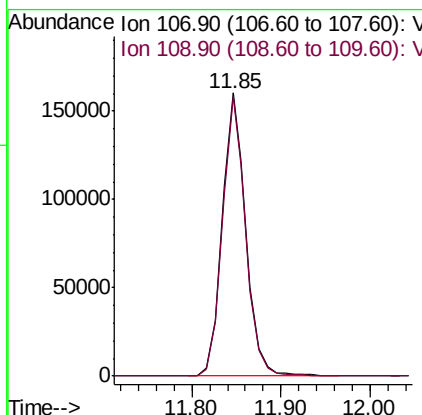
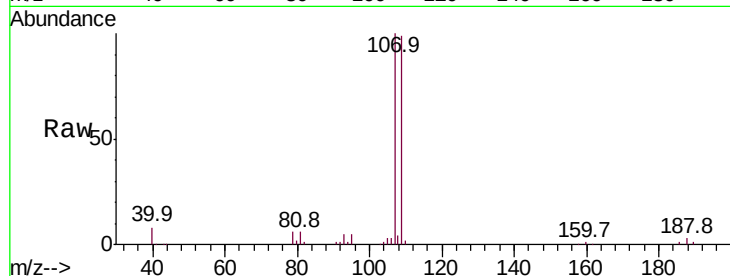




#61  
 1,2-Dibromoethane  
 Concen: 48.587 ug/l  
 RT: 11.85 min Scan# 1059  
 Delta R.T. 0.05 min  
 Lab File: VD061252.D  
 Acq: 22 Mar 2019 10:49

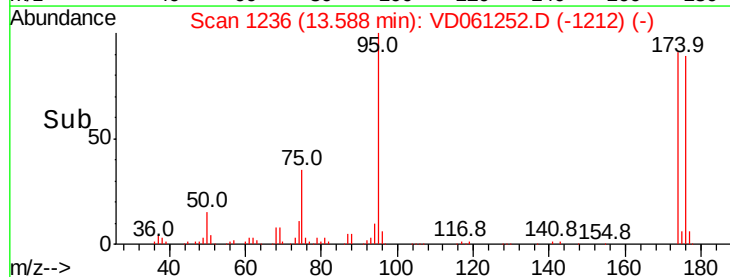
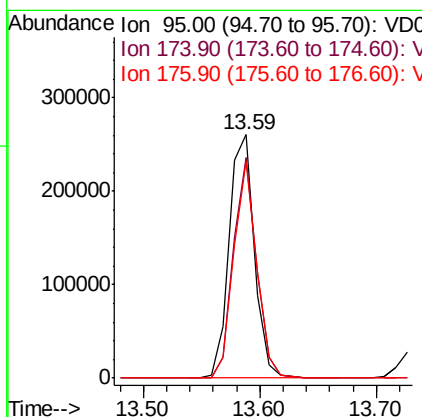
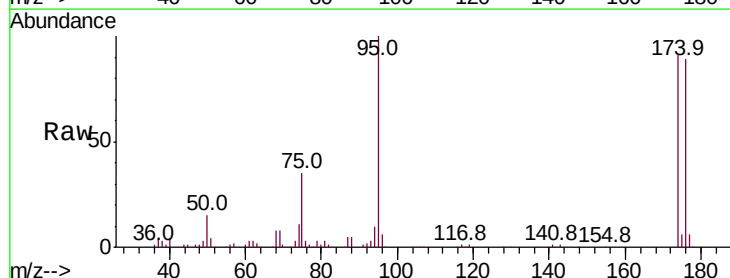
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

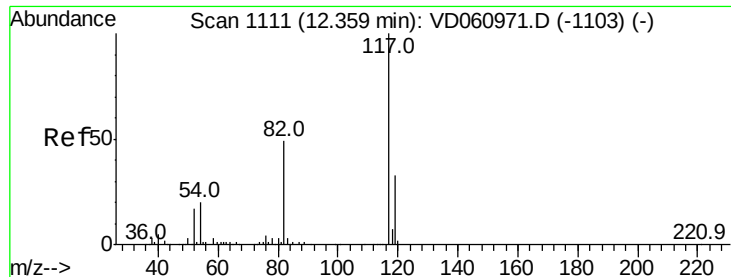
Tot Ion:107 Resp: 298064  
 Ion Ratio Lower Upper  
 107 100  
 109 98.9 75.6 113.4



#62  
 4-Bromofluorobenzene  
 Concen: 48.587 ug/l  
 RT: 13.59 min Scan# 1236  
 Delta R.T. 0.04 min  
 Lab File: VD061252.D  
 Acq: 22 Mar 2019 10:49

Tgt Ion: 95 Resp: 391704  
 Ion Ratio Lower Upper  
 95 100  
 174 90.5 0.0 155.6  
 176 89.0 0.0 153.8

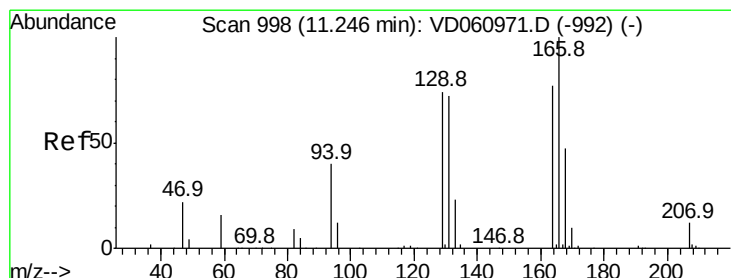
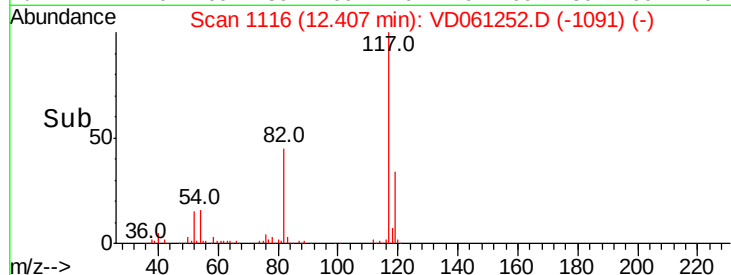
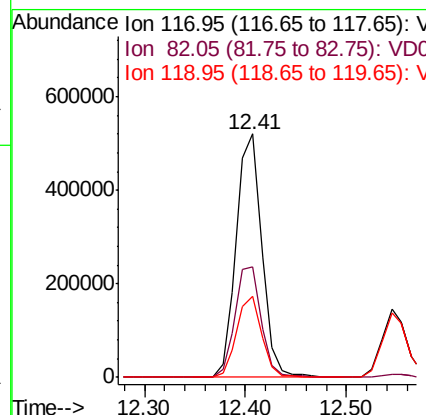
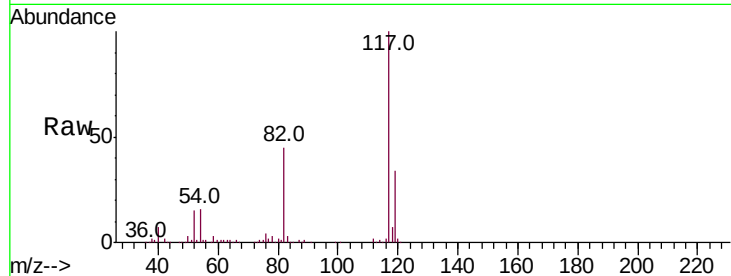




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.41 min Scan# 1116  
Delta R.T. 0.05 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

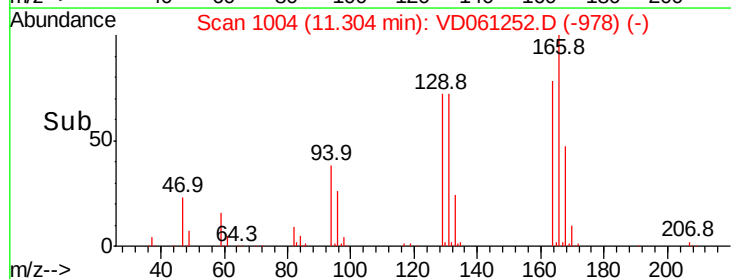
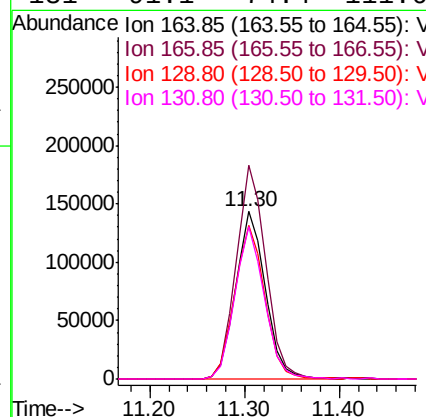
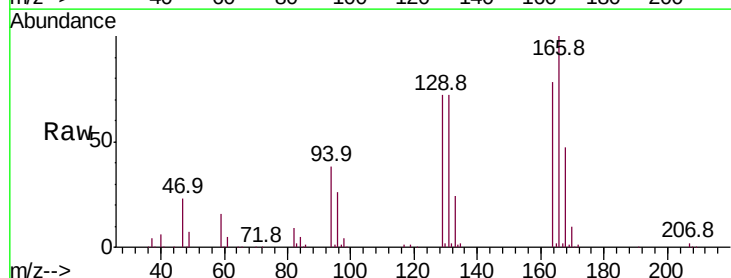
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

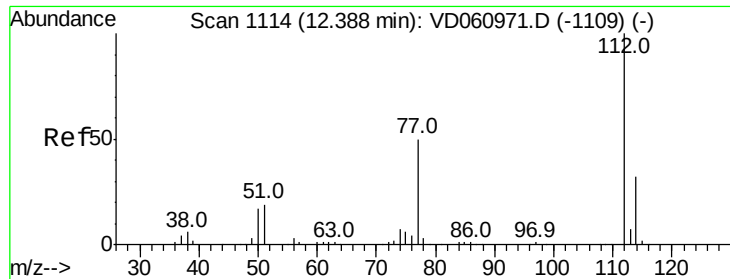
Tot Ion:117 Resp: 916061  
Ion Ratio Lower Upper  
117 100  
82 45.4 38.9 58.3  
119 33.5 26.6 39.8



#64  
Tetrachloroethene  
Concen: 50.514 ug/l  
RT: 11.30 min Scan# 1004  
Delta R.T. 0.06 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Tgt Ion:164 Resp: 312368  
Ion Ratio Lower Upper  
164 100  
166 127.4 103.4 155.0  
129 91.4 76.9 115.3  
131 91.1 74.4 111.6





#65

Chlorobenzene

Concen: 50.095 ug/l

RT: 12.44 min Scan# 1119

Delta R.T. 0.05 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

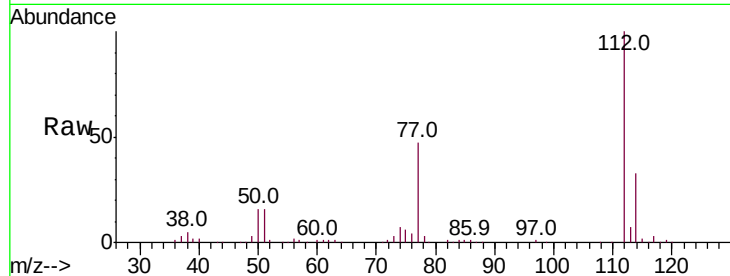
VSTDCCC050

Tot Ion:112 Resp: 899631

Ion Ratio Lower Upper

112 100

114 33.1 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.44

500000

400000

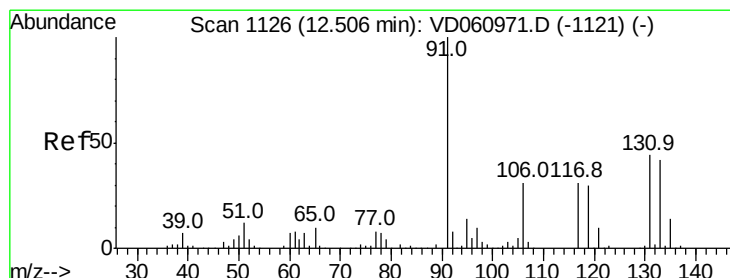
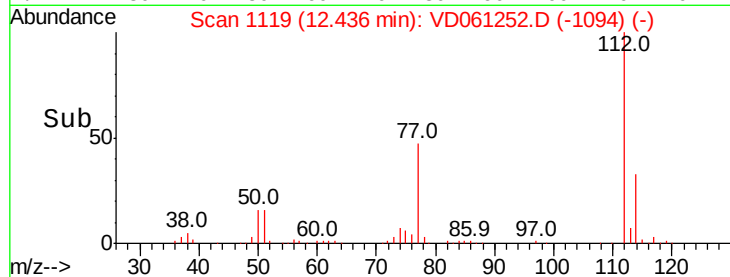
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#66

1,1,1,2-Tetrachloroethane

Concen: 54.610 ug/l

RT: 12.54 min Scan# 1130

Delta R.T. 0.04 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

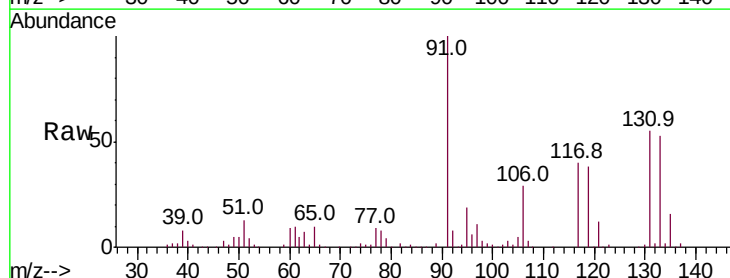
Tgt Ion:131 Resp: 349579

Ion Ratio Lower Upper

131 100

133 96.1 47.8 143.3

119 68.1 34.3 102.9



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

250000

200000

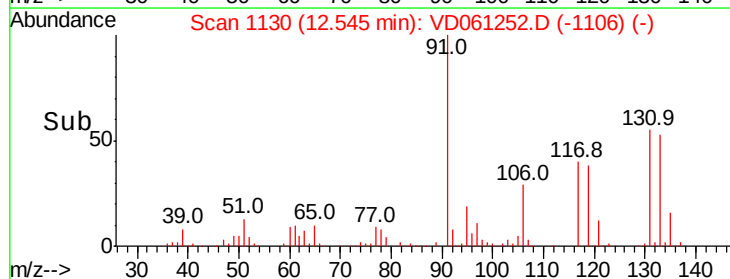
150000

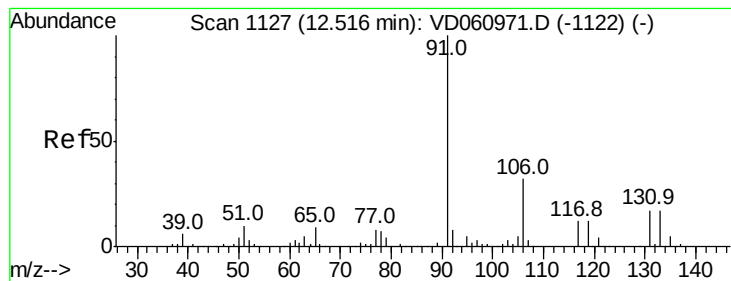
100000

50000

0

Time--> 12.50 12.55 12.60





#67

Ethyl Benzene

Concen: 50.705 ug/l

RT: 12.55 min Scan# 1131

Delta R.T. 0.04 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

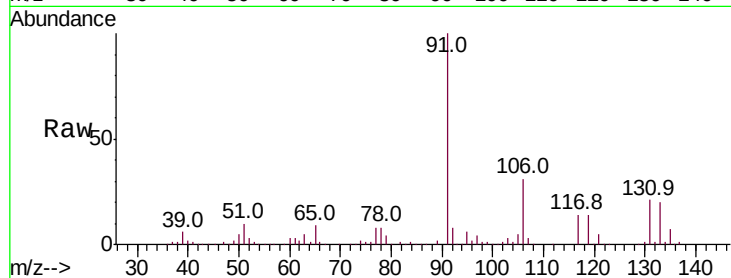
VSTDCCC050

Tot Ion: 91 Resp: 1355661

Ion Ratio Lower Upper

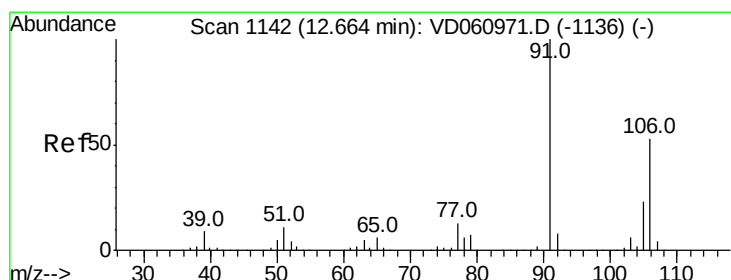
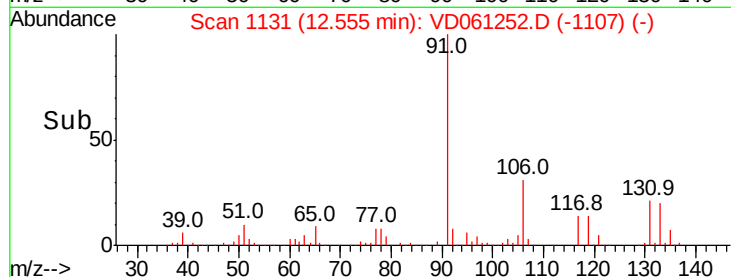
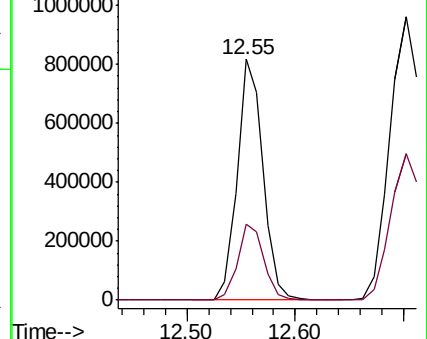
91 100

106 31.4 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 94.206 ug/l

RT: 12.70 min Scan# 1146

Delta R.T. 0.04 min

Lab File: VD061252.D

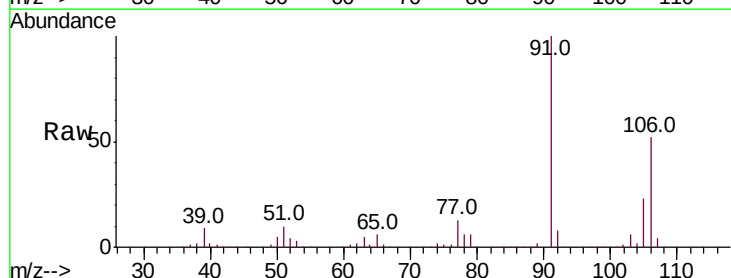
Acq: 22 Mar 2019 10:49

Tgt Ion:106 Resp: 988567

Ion Ratio Lower Upper

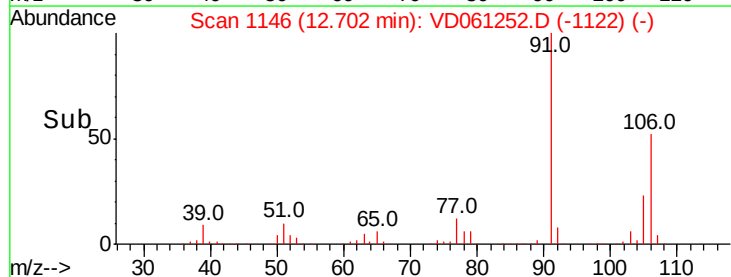
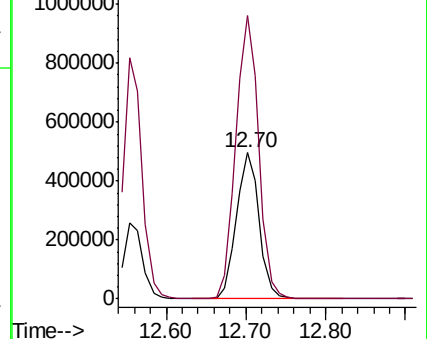
106 100

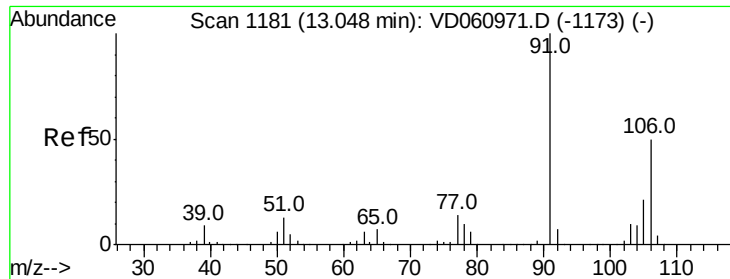
91 193.5 152.0 228.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

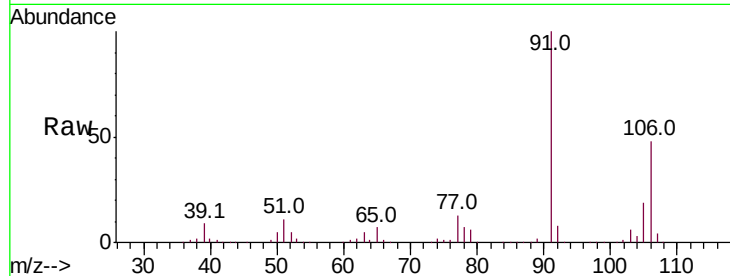




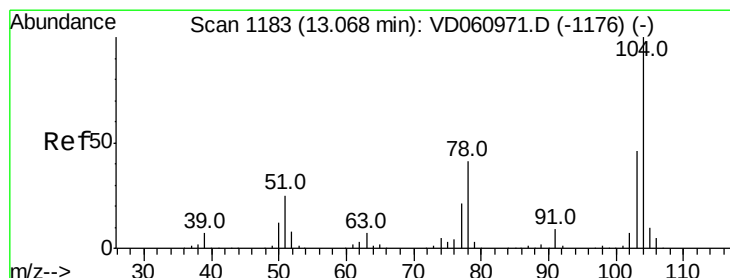
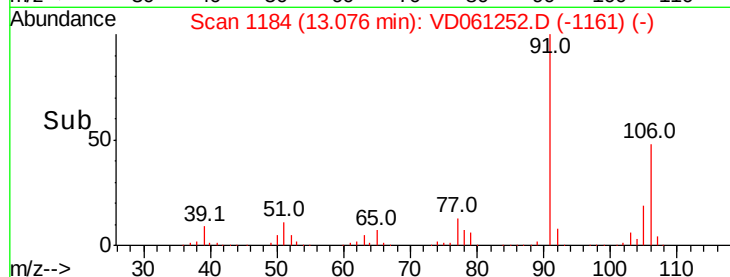
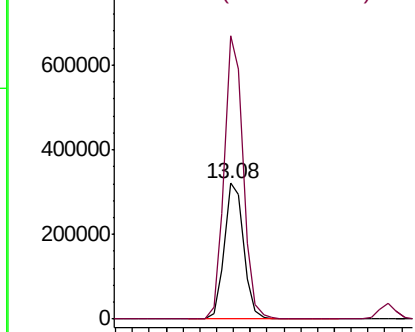
#69  
o-Xylene  
Concen: 49.791 ug/l  
RT: 13.08 min Scan# 1184  
Delta R.T. 0.03 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:106 Resp: 513589  
Ion Ratio Lower Upper  
106 100  
91 208.6 99.8 299.3

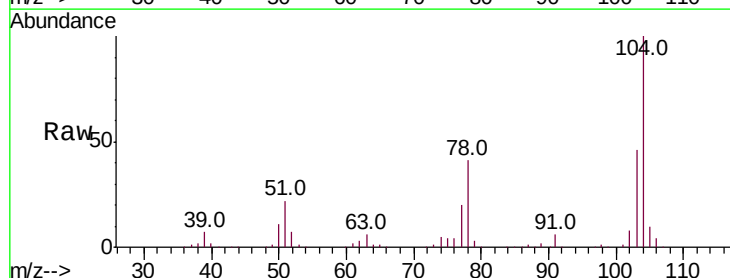


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): VDC

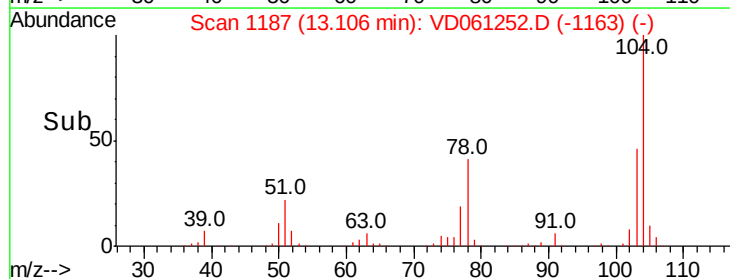
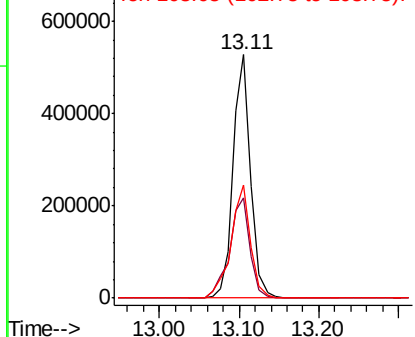


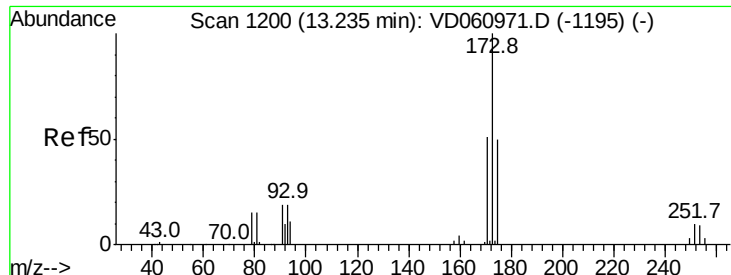
#70  
Styrene  
Concen: 48.231 ug/l  
RT: 13.11 min Scan# 1187  
Delta R.T. 0.04 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Tgt Ion:104 Resp: 812375  
Ion Ratio Lower Upper  
104 100  
78 40.9 33.0 49.4  
103 46.2 37.1 55.7



Abundance Ion 104.05 (103.75 to 104.75): V  
Ion 77.95 (77.65 to 78.65): VDC  
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 54.200 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

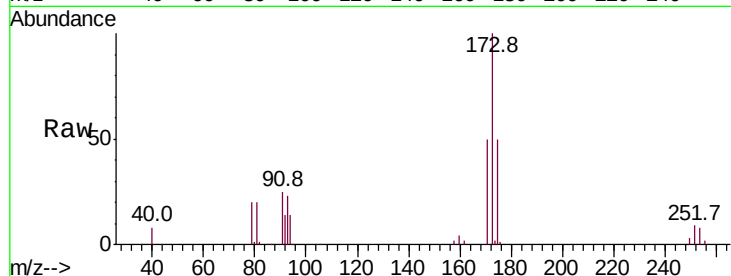
Tot Ion:173 Resp: 223825

Ion Ratio Lower Upper

173 100

175 49.8 24.9 74.8

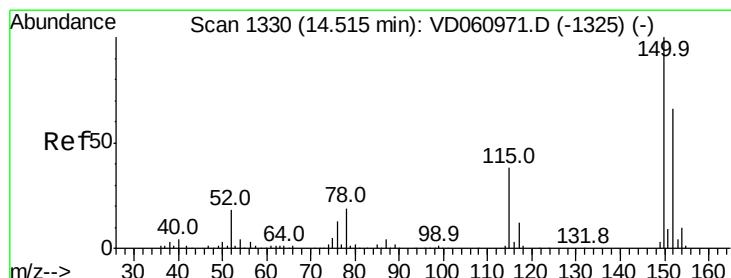
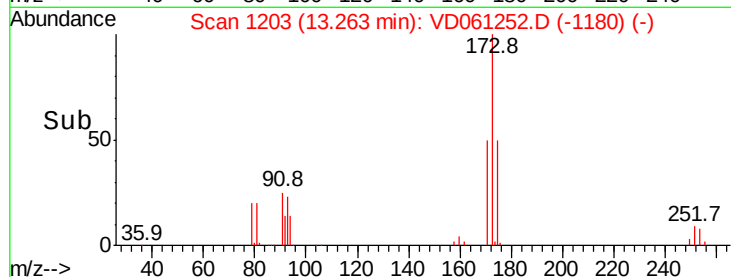
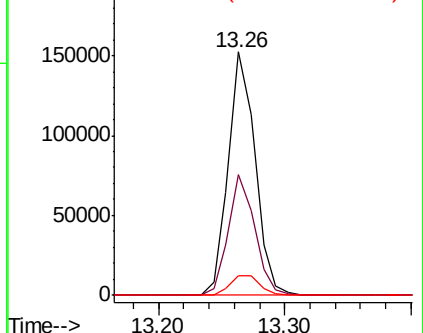
254 7.9 7.3 10.9



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

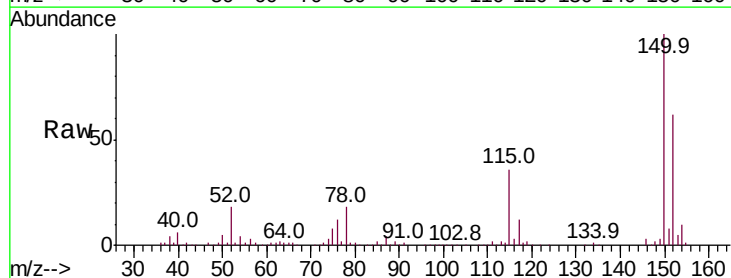
Tgt Ion:152 Resp: 413743

Ion Ratio Lower Upper

152 100

115 58.5 28.6 85.9

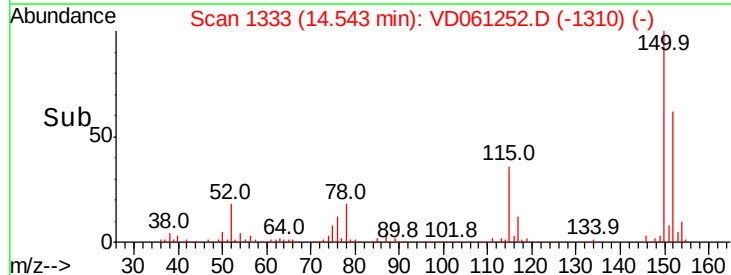
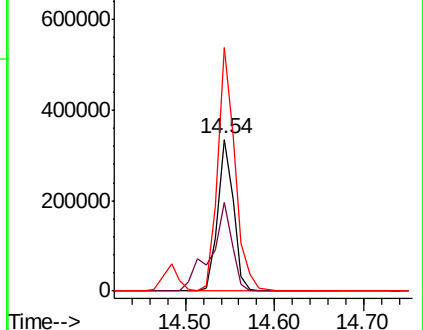
150 160.8 0.0 310.6



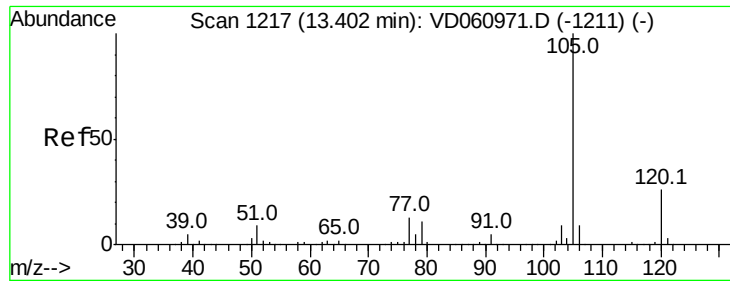
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 44.545 ug/l

RT: 13.43 min Scan# 1220

Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

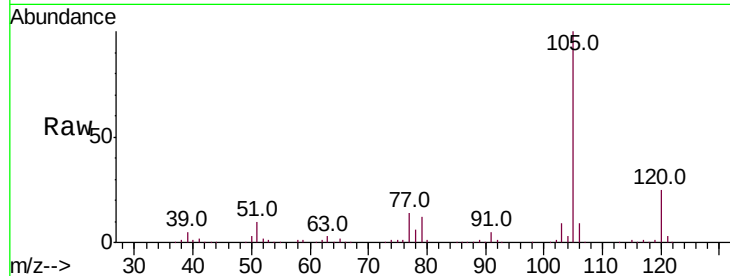
VSTDCCC050

Tot Ion:105 Resp: 1328229

Ion Ratio Lower Upper

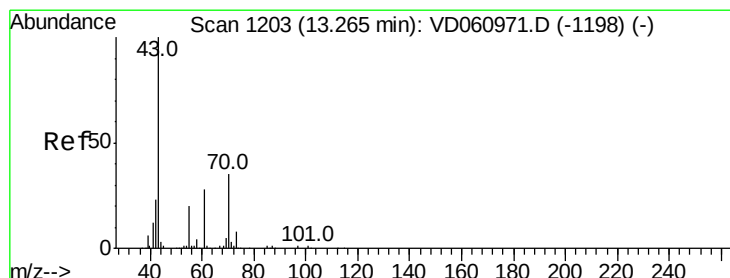
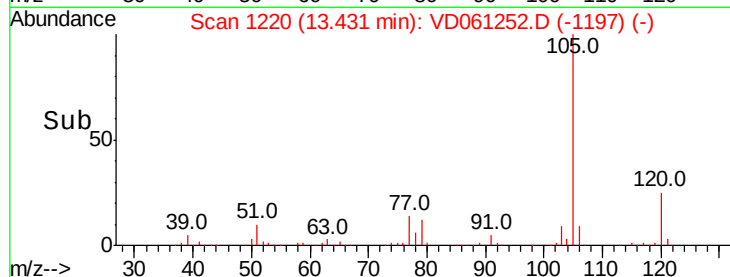
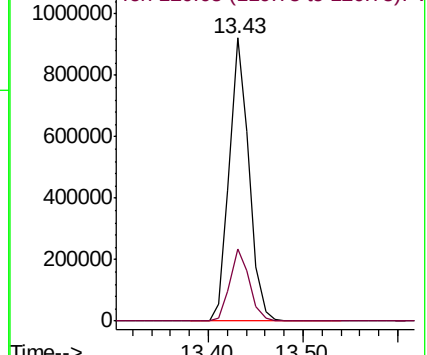
105 100

120 25.4 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 45.517 ug/l

RT: 13.29 min Scan# 1206

Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Tgt Ion: 43 Resp: 382154

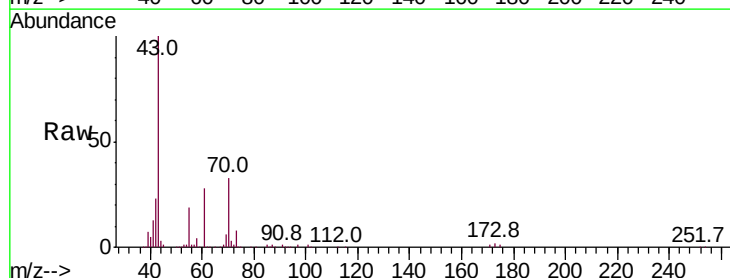
Ion Ratio Lower Upper

43 100

70 32.7 27.7 41.5

55 18.9 16.2 24.2

61 27.9 22.3 33.5

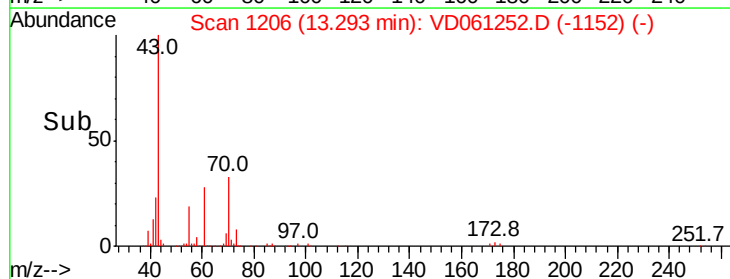
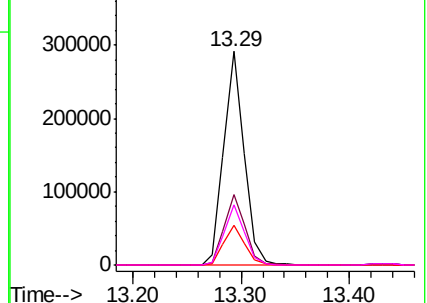


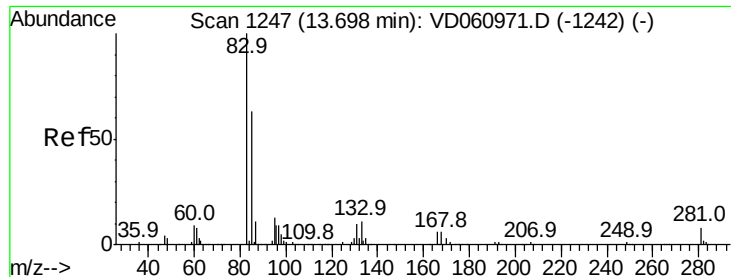
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.911 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

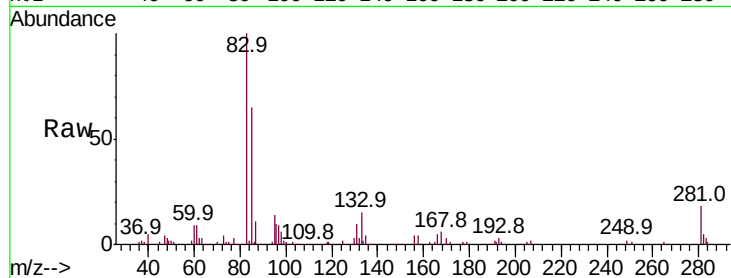
Tot Ion: 83 Resp: 278726

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

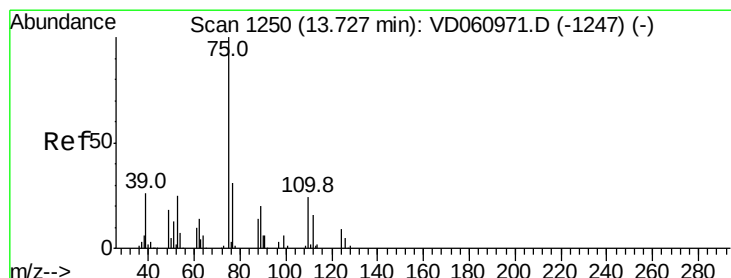
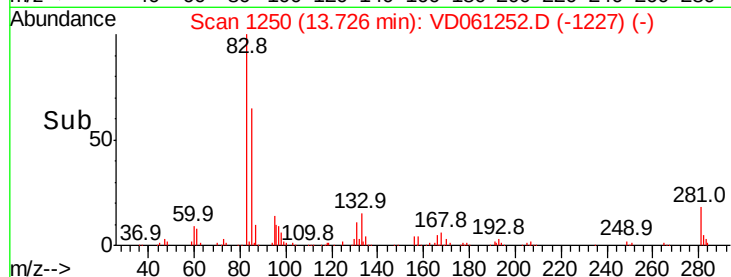
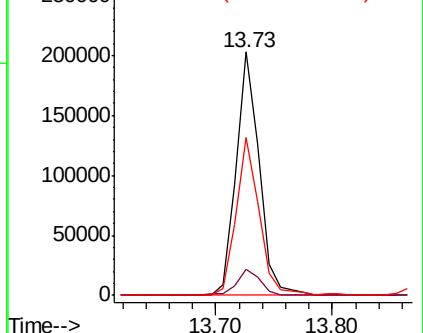
85 65.0 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 48.518 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.03 min

Lab File: VD061252.D

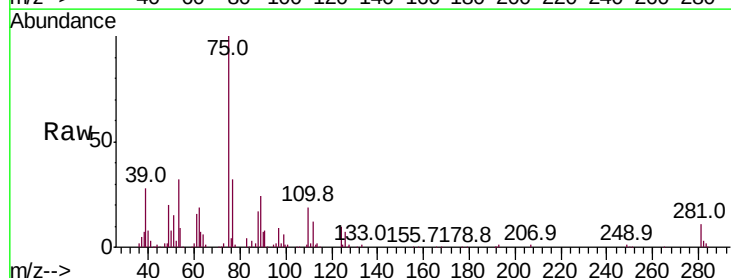
Acq: 22 Mar 2019 10:49

Tgt Ion: 75 Resp: 288802

Ion Ratio Lower Upper

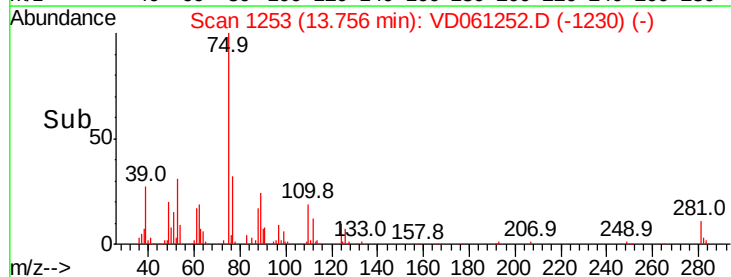
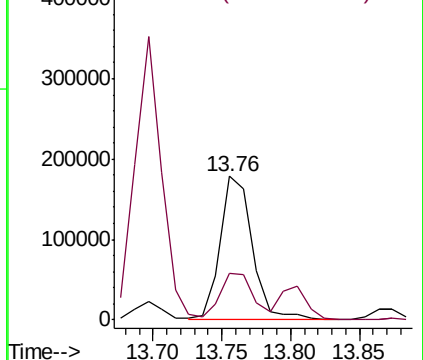
75 100

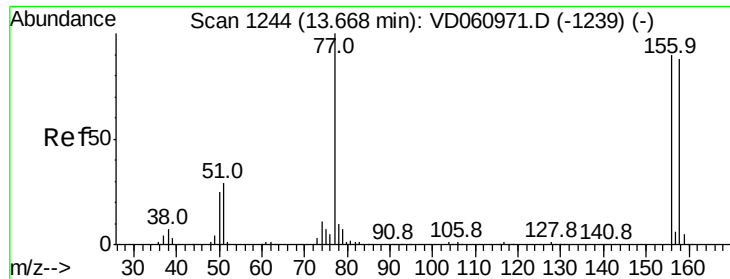
77 32.3 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.522 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

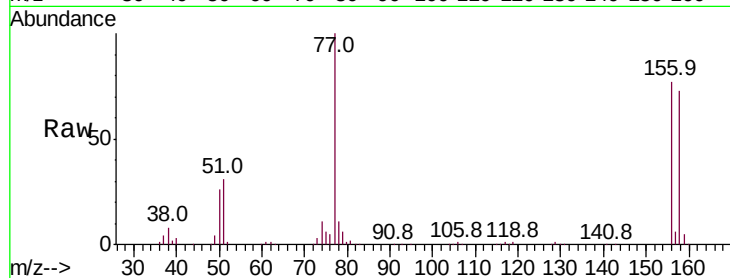
Tot Ion:156 Resp: 384553

Ion Ratio Lower Upper

156 100

77 129.8 55.5 166.7

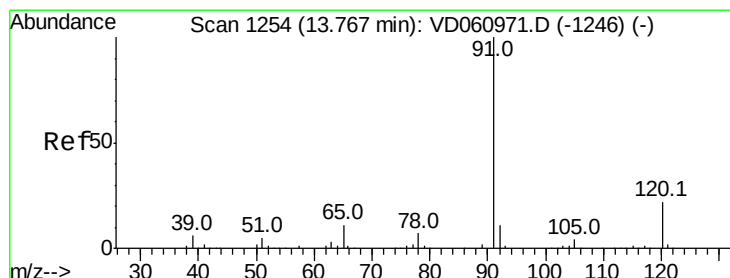
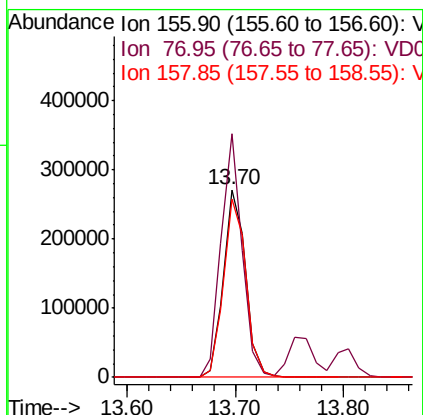
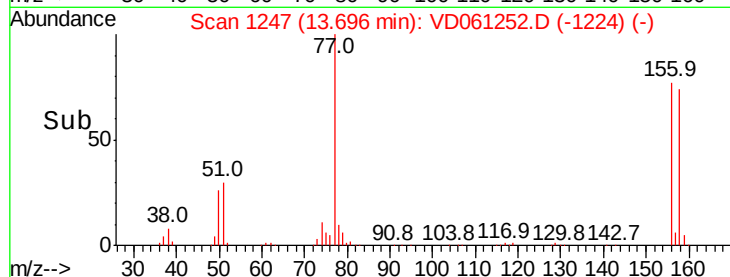
158 95.3 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.104 ug/l

RT: 13.80 min Scan# 1258

Delta R.T. 0.04 min

Lab File: VD061252.D

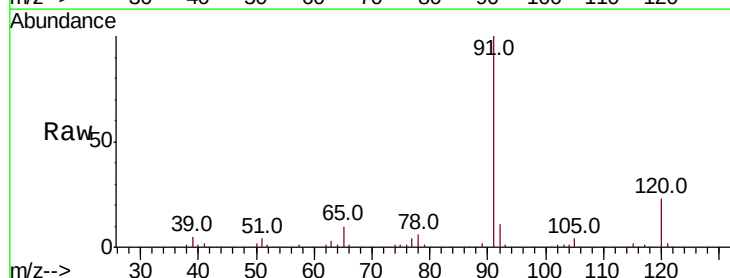
Acq: 22 Mar 2019 10:49

Tgt Ion: 91 Resp: 1609353

Ion Ratio Lower Upper

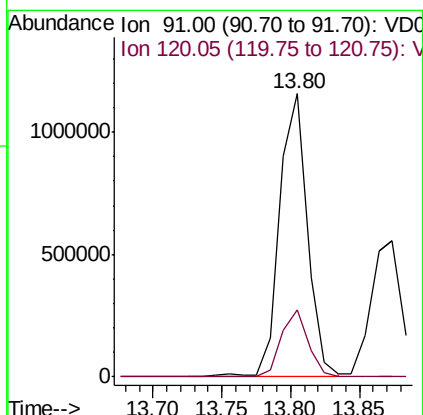
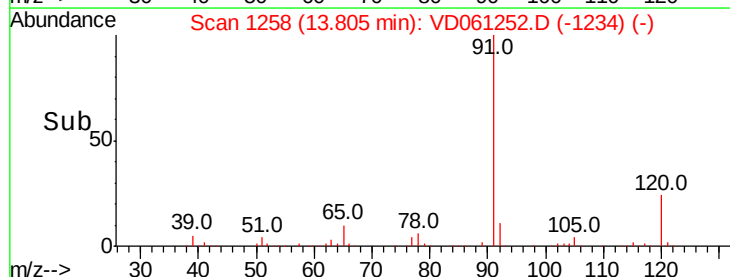
91 100

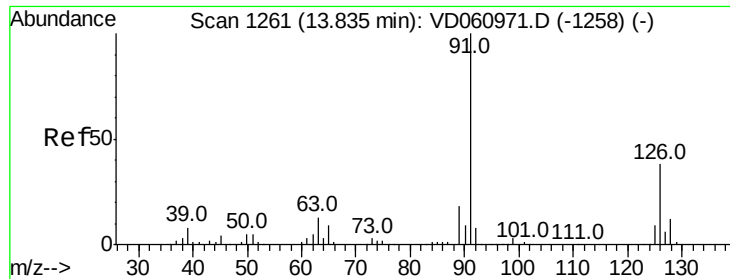
120 23.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

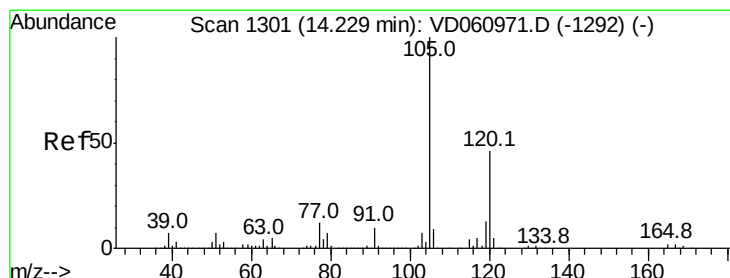
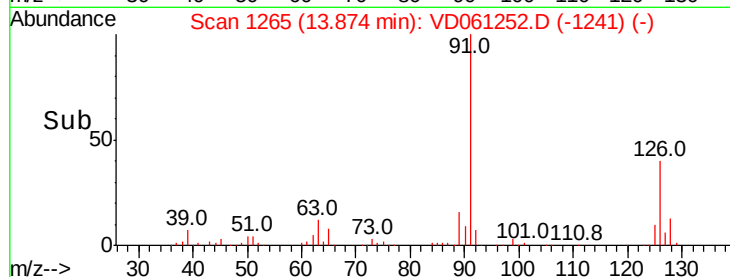
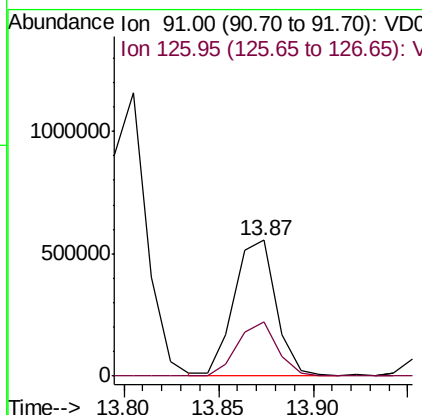
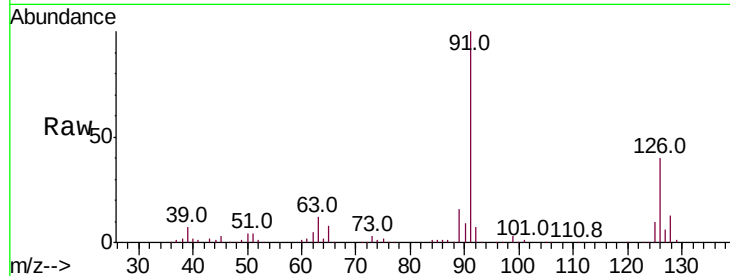




#79  
2-Chlorotoluene  
Concen: 43.663 ug/l  
RT: 13.87 min Scan# 1265  
Delta R.T. 0.04 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

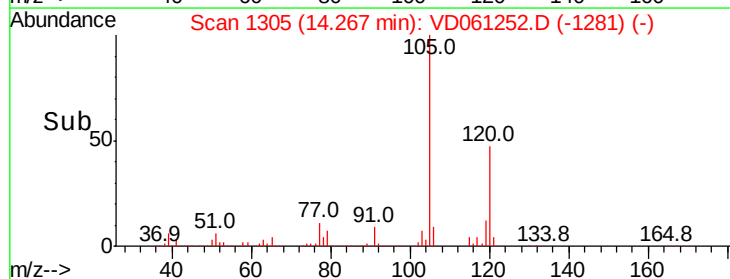
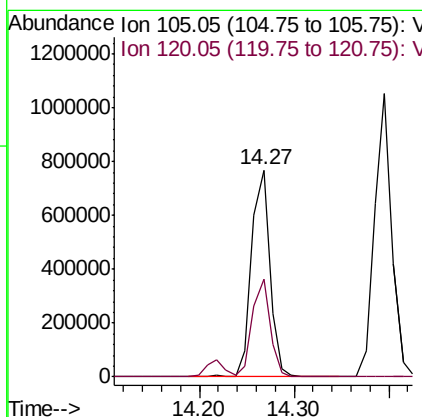
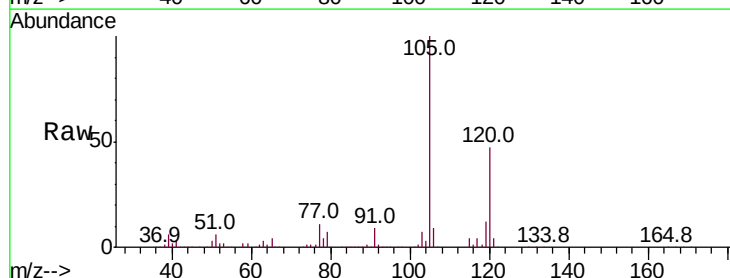
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

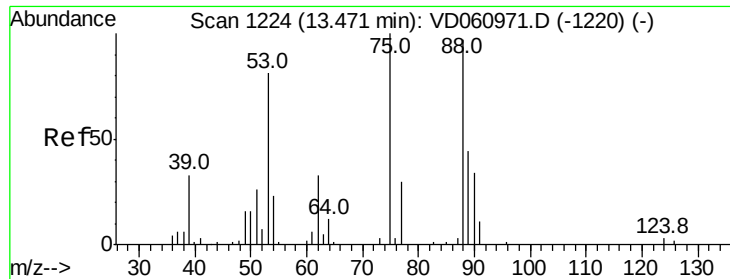
Tot Ion: 91 Resp: 839107  
Ion Ratio Lower Upper  
91 100  
126 40.0 18.6 55.6



#80  
1,3,5-Trimethylbenzene  
Concen: 45.947 ug/l  
RT: 14.27 min Scan# 1305  
Delta R.T. 0.04 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Tgt Ion:105 Resp: 1040076  
Ion Ratio Lower Upper  
105 100  
120 47.1 22.9 68.5

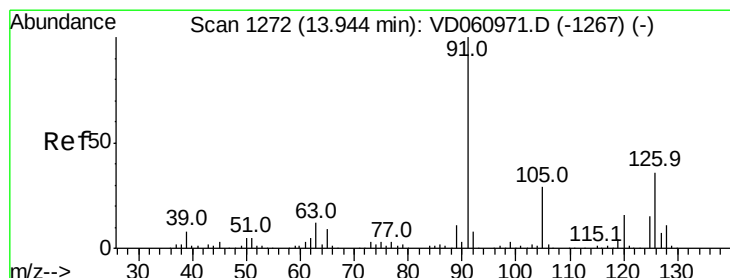
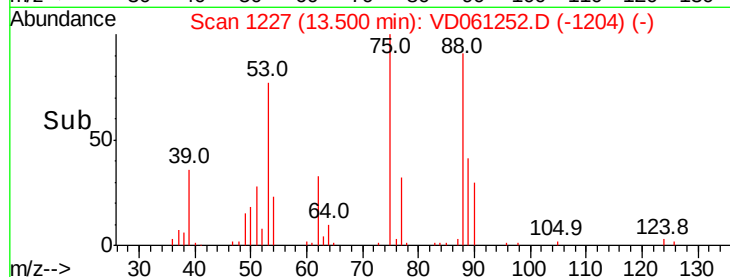
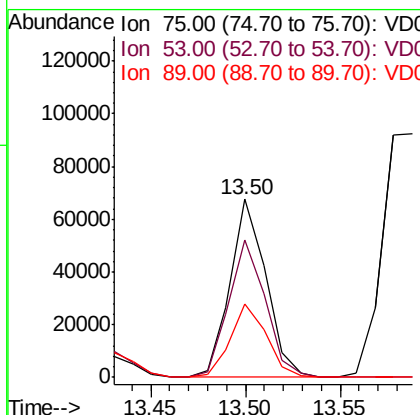
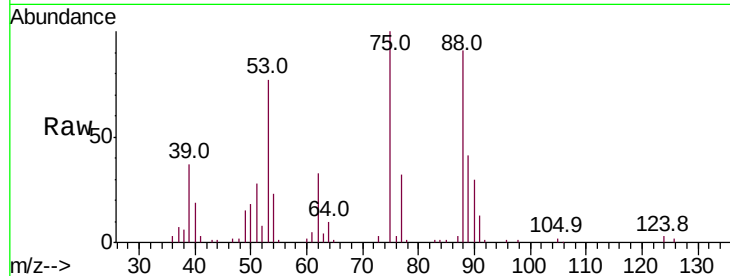




#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.607 ug/l  
RT: 13.50 min Scan# 1227  
Delta R.T. 0.03 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

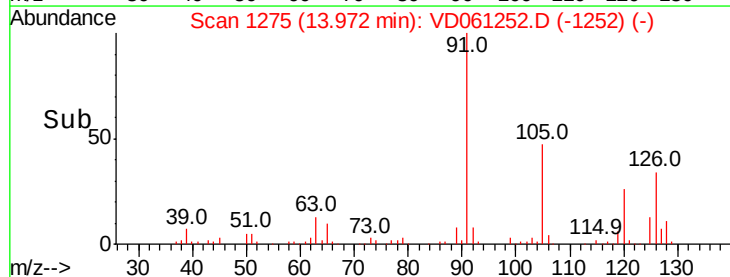
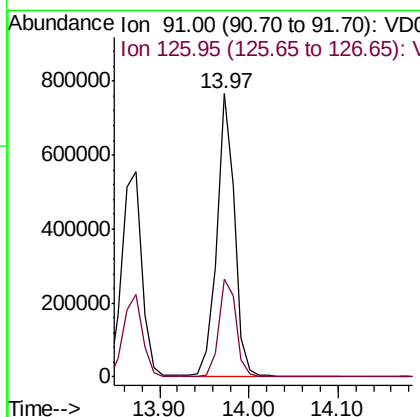
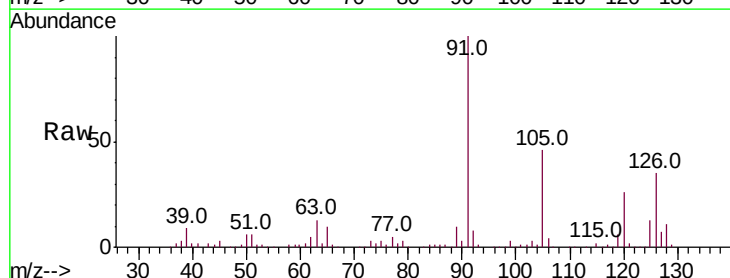
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

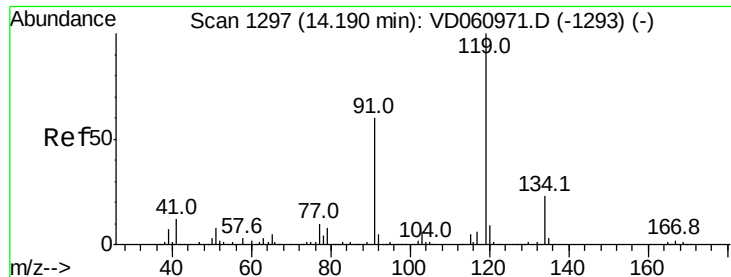
Tot Ion: 75 Resp: 88810  
Ion Ratio Lower Upper  
75 100  
53 77.1 64.4 96.6  
89 41.3 34.8 52.2



#82  
4-Chlorotoluene  
Concen: 46.393 ug/l  
RT: 13.97 min Scan# 1275  
Delta R.T. 0.03 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Tgt Ion: 91 Resp: 1054014  
Ion Ratio Lower Upper  
91 100  
126 34.5 18.0 54.0





#83

tert-Butylbenzene

Concen: 49.944 ug/l

RT: 14.22 min Scan# 1300

Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

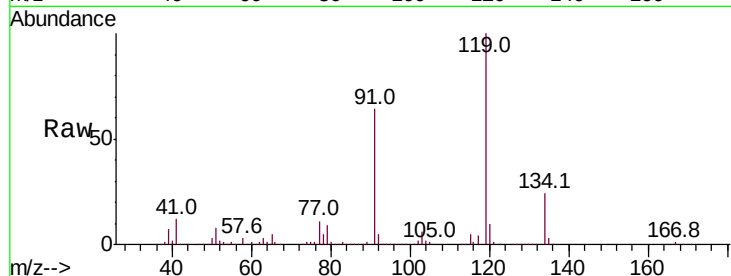
Tot Ion:119 Resp: 1237253

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 119 | 100   |       |       |
| 91  | 63.5  | 30.1  | 90.3  |
| 134 | 23.7  | 11.6  | 34.7  |

119 100

91 63.5 30.1 90.3

134 23.7 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

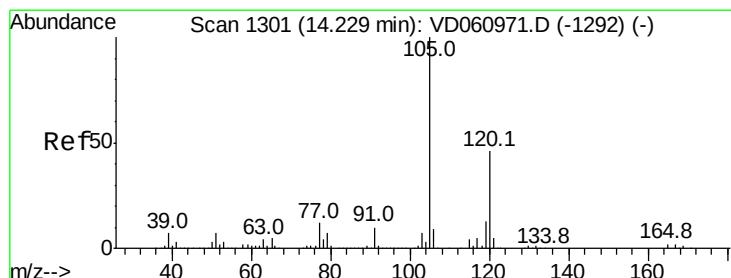
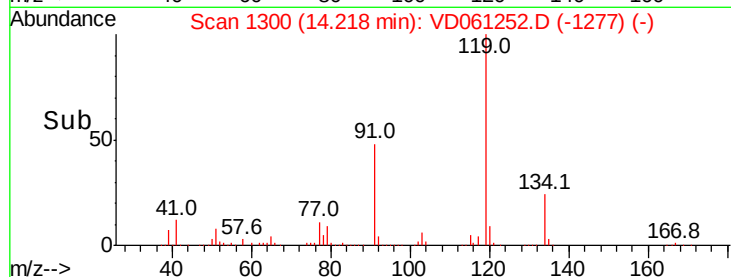
200000

0

14.22

14.10 14.20 14.30

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 45.947 ug/l

RT: 14.27 min Scan# 1305

Delta R.T. 0.04 min

Lab File: VD061252.D

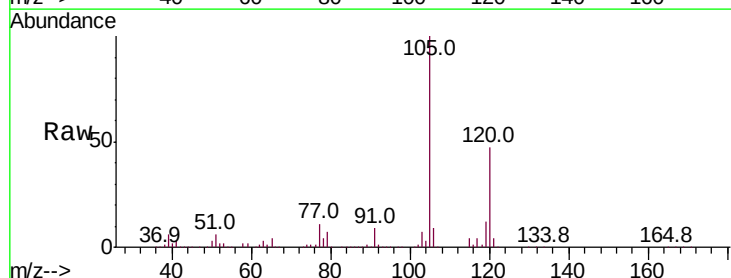
Acq: 22 Mar 2019 10:49

Tgt Ion:105 Resp: 1040076

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 47.1  | 22.9  | 68.5  |

105 100

120 47.1 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

400000

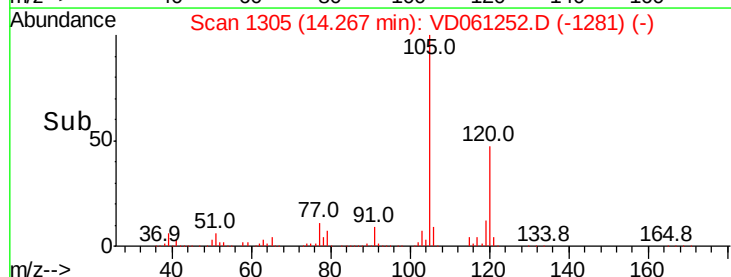
200000

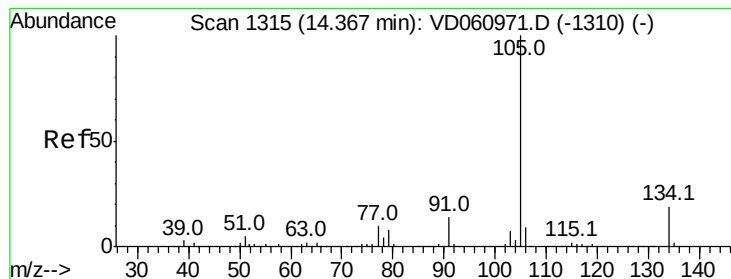
0

14.27

14.20 14.30

Time-->





#85

sec-Butylbenzene

Concen: 44.557 ug/l

RT: 14.40 min Scan# 1318

Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :

MSVOA\_D

ClientSampleID :

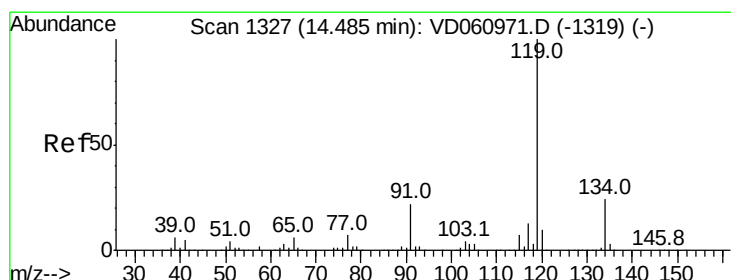
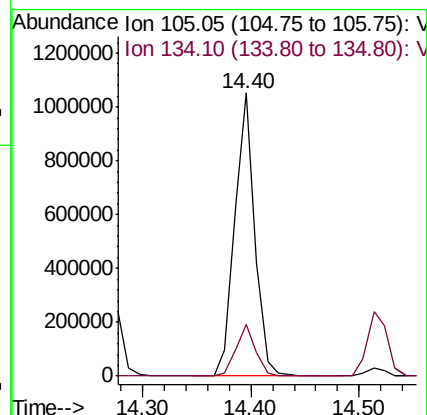
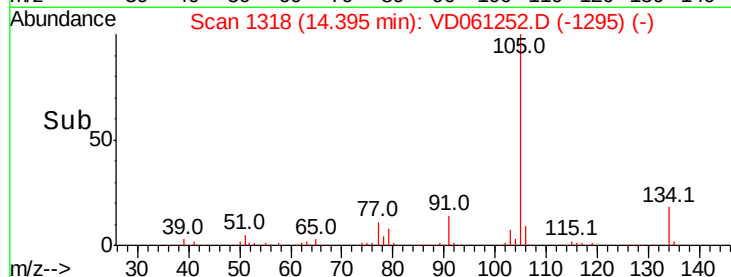
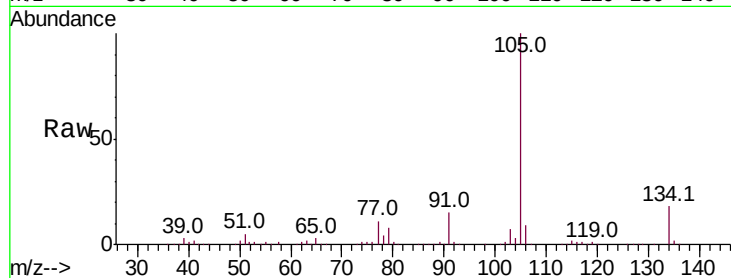
VSTDCCC050

Tot Ion:105 Resp: 1347526

Ion Ratio Lower Upper

105 100

134 18.4 9.4 28.2



#86

p-Isopropyltoluene

Concen: 51.813 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

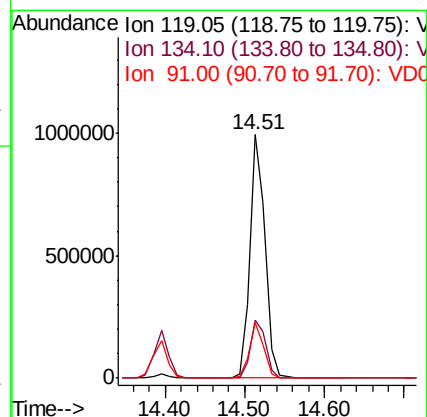
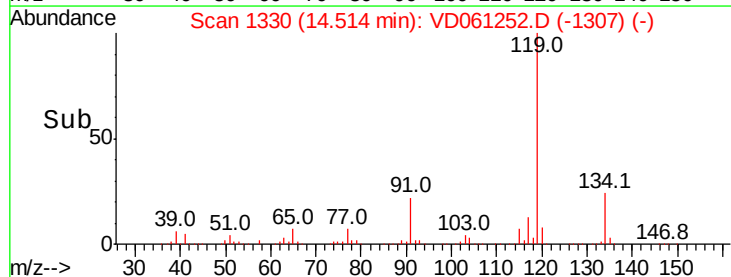
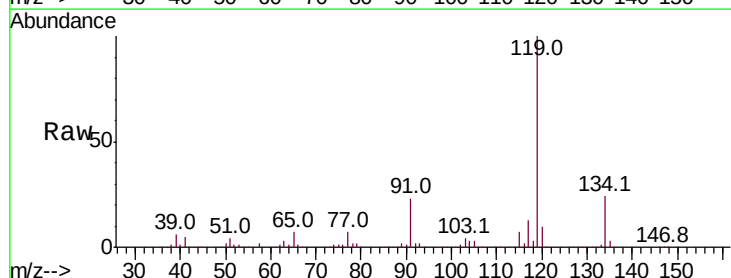
Tgt Ion:119 Resp: 1280840

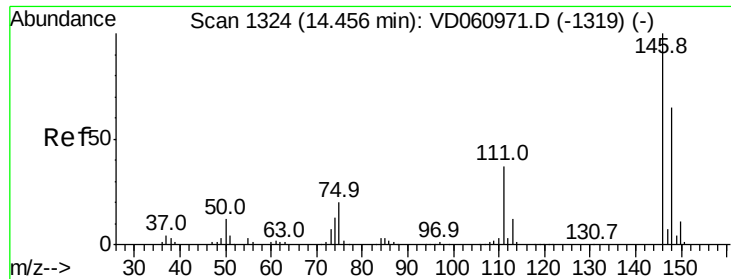
Ion Ratio Lower Upper

119 100

134 23.9 12.0 36.1

91 22.5 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 51.386 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. 0.03 min

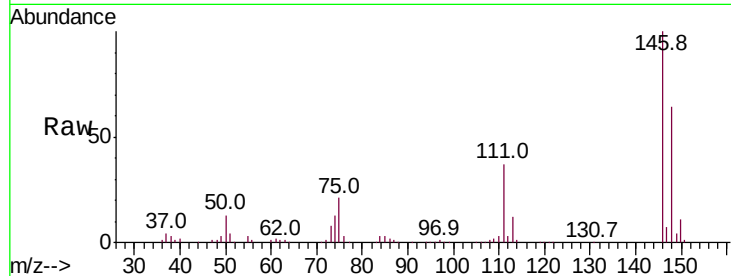
Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:146 Resp: 698410

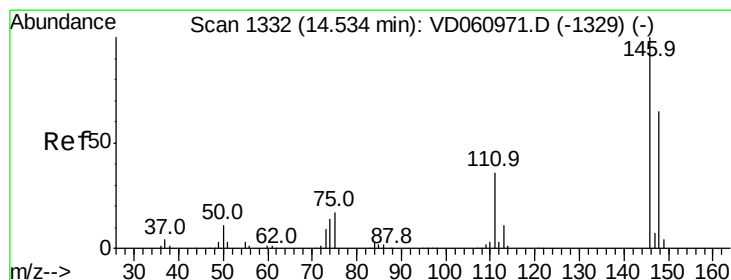
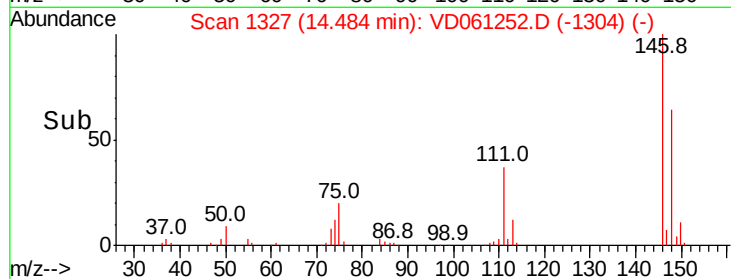
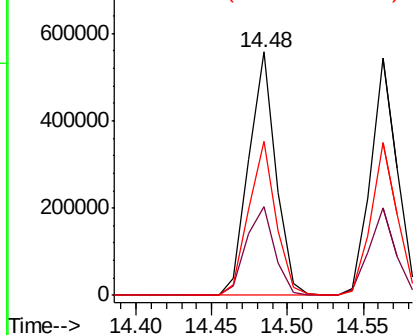
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 36.7  | 18.4  | 55.4  |
| 148 | 63.5  | 32.5  | 97.4  |



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.833 ug/l

RT: 14.56 min Scan# 1335

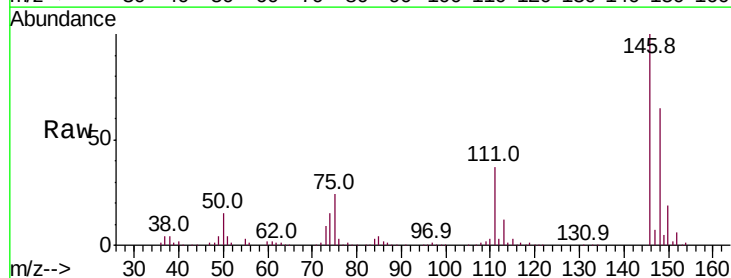
Delta R.T. 0.03 min

Lab File: VD061252.D

Acq: 22 Mar 2019 10:49

Tgt Ion:146 Resp: 665578

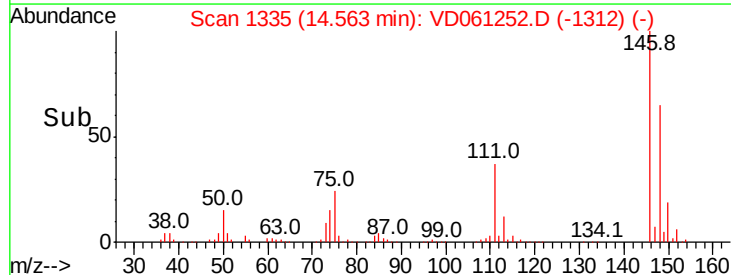
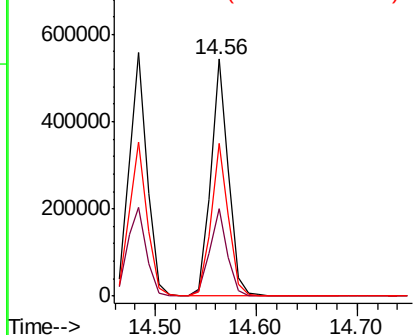
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 36.8  | 18.4  | 55.2  |
| 148 | 64.6  | 32.5  | 97.5  |



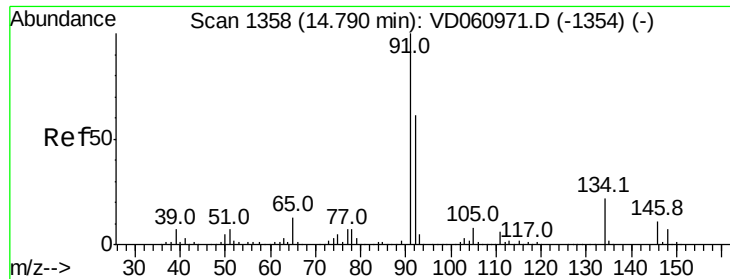
Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



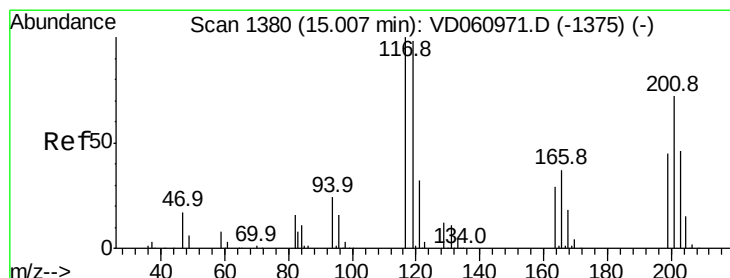
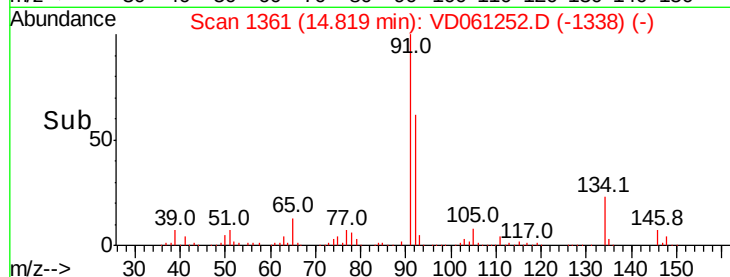
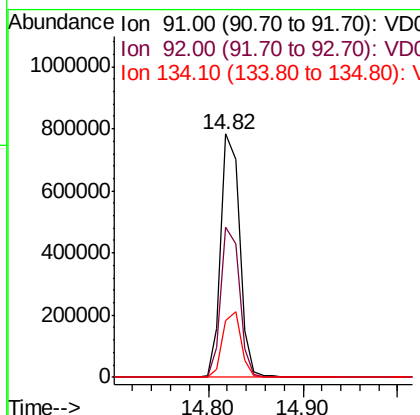
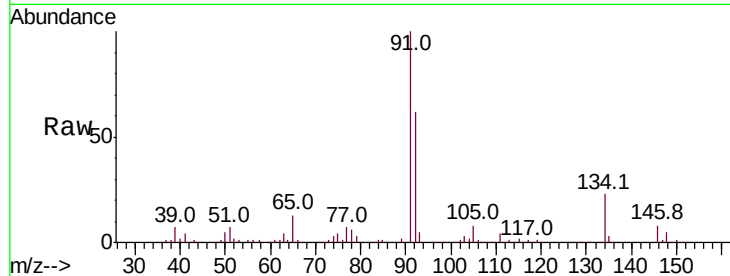




#89  
n-Butylbenzene  
Concen: 45.452 ug/l  
RT: 14.82 min Scan# 1361  
Delta R.T. 0.03 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

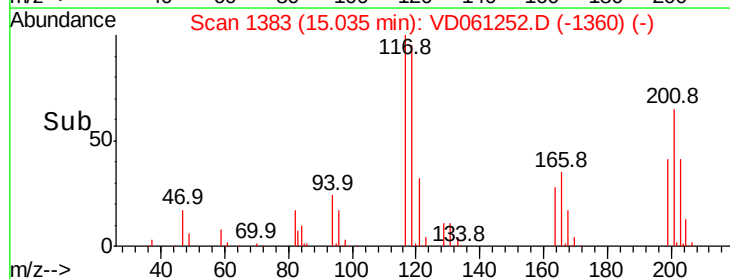
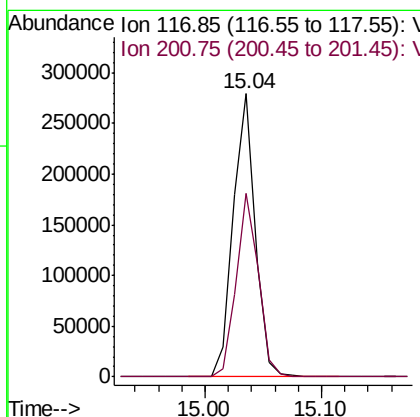
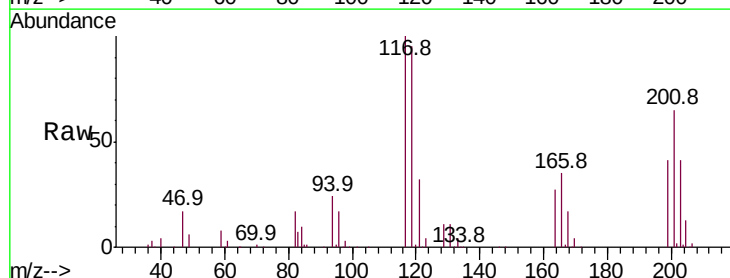
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

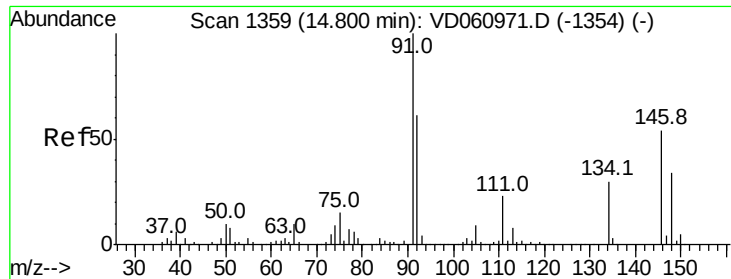
Tot Ion: 91 Resp: 1079024  
Ion Ratio Lower Upper  
91 100  
92 61.6 30.6 91.8  
134 23.4 11.0 33.0



#90  
Hexachloroethane  
Concen: 52.360 ug/l  
RT: 15.04 min Scan# 1383  
Delta R.T. 0.03 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Tgt Ion: 117 Resp: 365492  
Ion Ratio Lower Upper  
117 100  
201 65.0 36.2 108.6

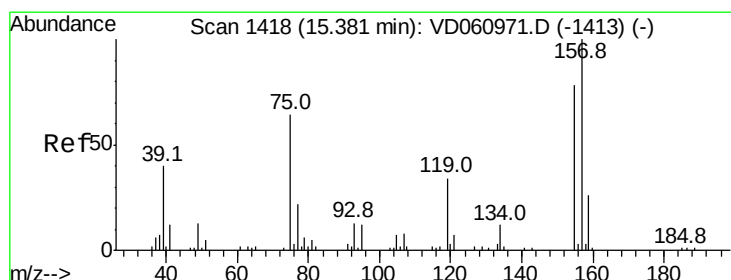
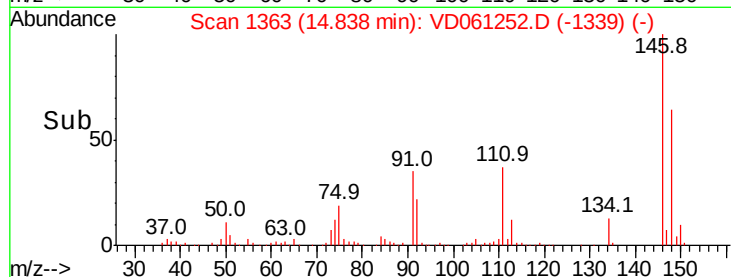
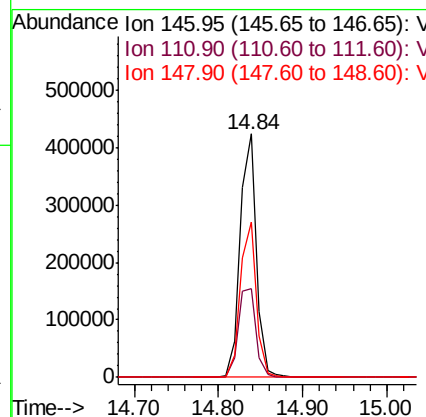
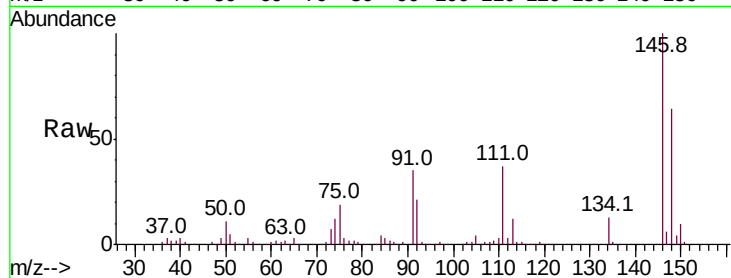




#91  
 1,2-Dichlorobenzene  
 Concen: 50.202 ug/l  
 RT: 14.84 min Scan# 1363  
 Delta R.T. 0.04 min  
 Lab File: VD061252.D  
 Acq: 22 Mar 2019 10:49

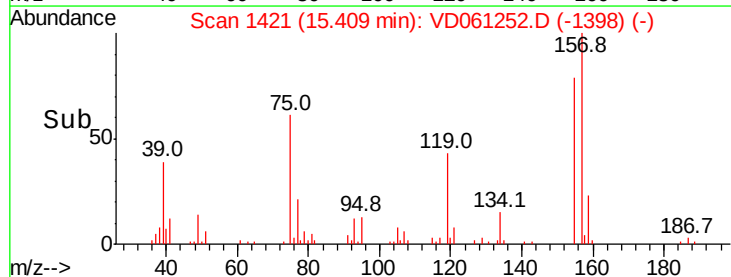
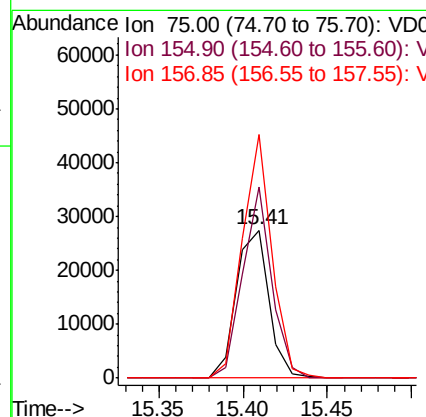
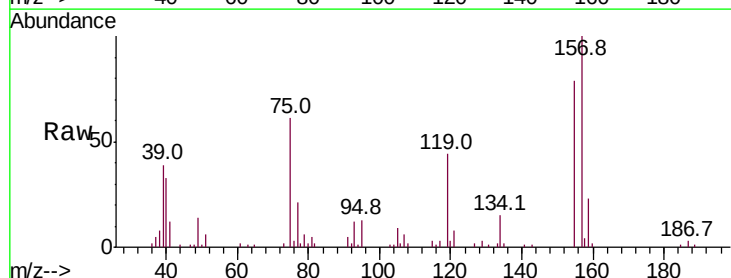
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

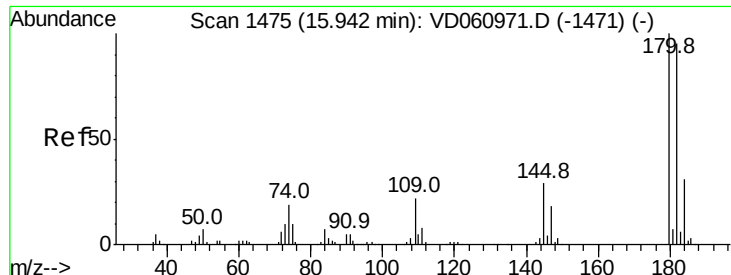
Tot Ion:146 Resp: 568825  
 Ion Ratio Lower Upper  
 146 100  
 111 36.5 21.5 64.5  
 148 63.8 30.9 92.8



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 52.691 ug/l  
 RT: 15.41 min Scan# 1421  
 Delta R.T. 0.03 min  
 Lab File: VD061252.D  
 Acq: 22 Mar 2019 10:49

Tgt Ion: 75 Resp: 36939  
 Ion Ratio Lower Upper  
 75 100  
 155 129.3 61.2 183.5  
 157 164.5 78.3 234.8

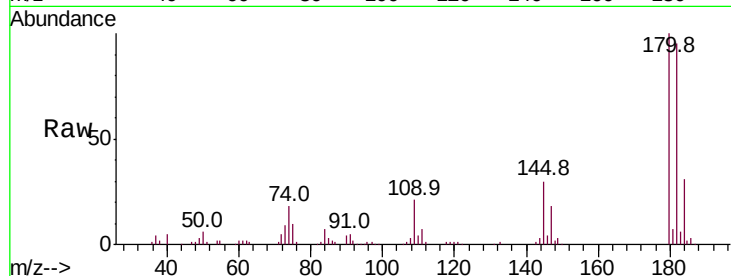




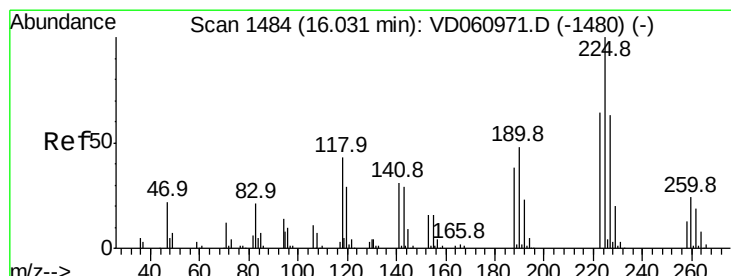
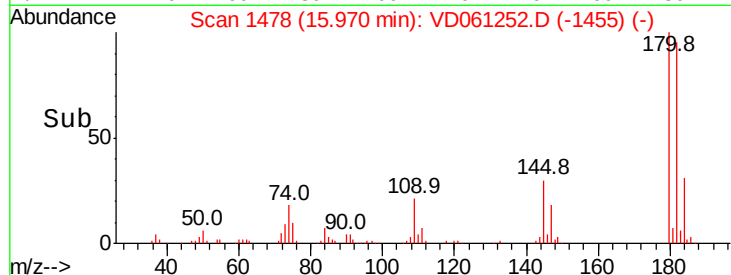
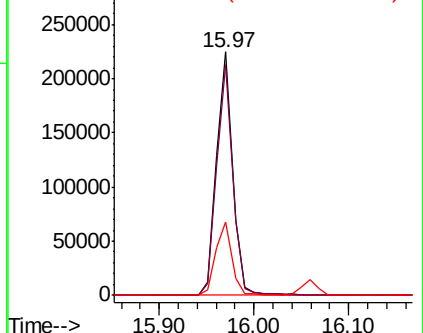
#93  
 1,2,4-Trichlorobenzene  
 Concen: 50.852 ug/l  
 RT: 15.97 min Scan# 1478  
 Delta R.T. 0.03 min  
 Lab File: VD061252.D  
 Acq: 22 Mar 2019 10:49

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.8  | 47.3  | 142.0 |
| 145     | 30.4  | 14.4  | 43.0  |

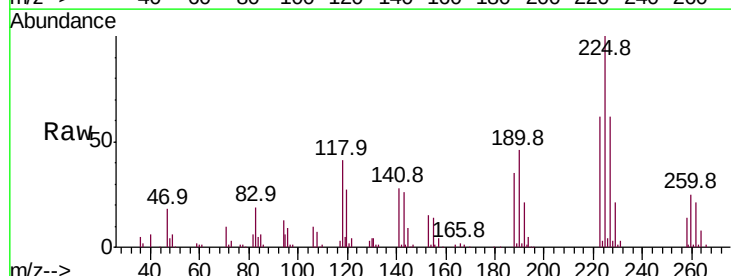


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

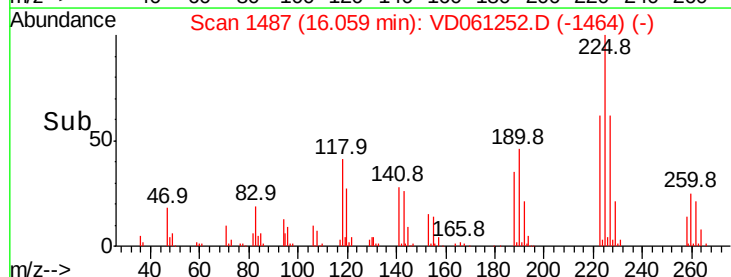
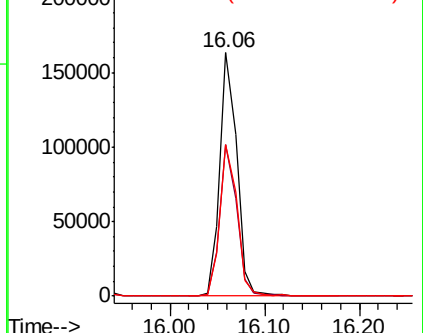


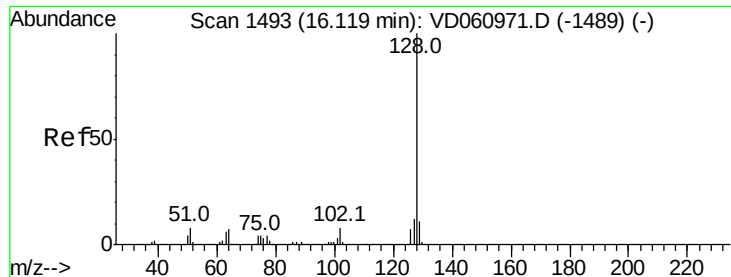
#94  
 Hexachlorobutadiene  
 Concen: 51.577 ug/l  
 RT: 16.06 min Scan# 1487  
 Delta R.T. 0.03 min  
 Lab File: VD061252.D  
 Acq: 22 Mar 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.3  | 31.8  | 95.3  |
| 227     | 62.2  | 31.4  | 94.0  |



Abundance Ion 224.75 (224.45 to 225.45): V  
 Ion 222.75 (222.45 to 223.45): V  
 Ion 226.75 (226.45 to 227.45): V

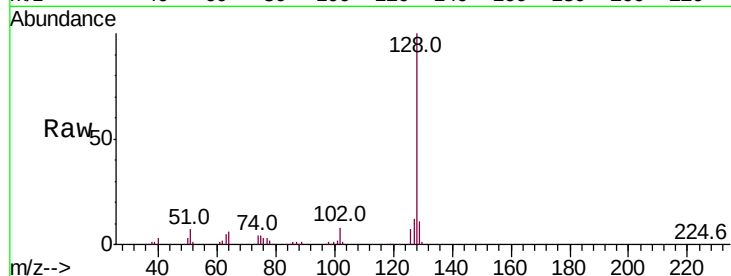




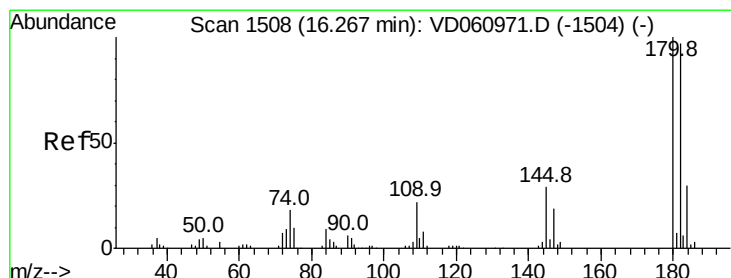
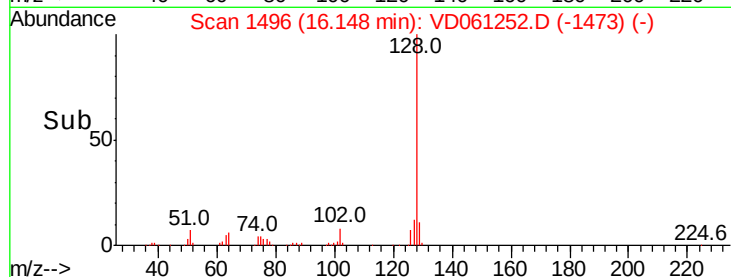
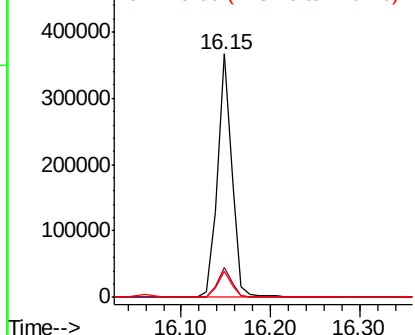
#95  
Naphthalene  
Concen: 51.626 ug/l  
RT: 16.15 min Scan# 1496  
Delta R.T. 0.03 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:128 Resp: 412365  
Ion Ratio Lower Upper  
128 100  
127 12.3 9.8 14.8  
129 10.8 8.5 12.7

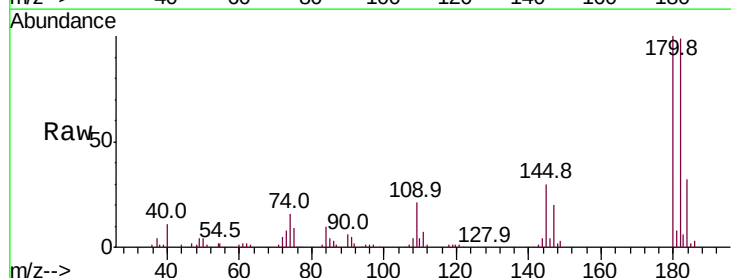


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 45.520 ug/l  
RT: 16.30 min Scan# 1511  
Delta R.T. 0.03 min  
Lab File: VD061252.D  
Acq: 22 Mar 2019 10:49

Tgt Ion:180 Resp: 118176  
Ion Ratio Lower Upper  
180 100  
182 98.8 48.6 145.8  
145 30.5 14.3 42.9



Abundance Ion 179.85 (179.55 to 180.55): V  
Ion 181.85 (181.55 to 182.55): V  
Ion 144.95 (144.65 to 145.65): V

