

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\  
 Data File : VD063234.D  
 Acq On : 30 Jul 2019 11:49  
 Operator : VA/AP  
 Sample : VD0730SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0730SBS01

Quant Time: Jul 31 04:53:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:04:50 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.04  | 168  | 1074163  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.21  | 114  | 1463100  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.36 | 117  | 1266423  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 633123   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.44  | 65   | 570585   | 47.87 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.74%  |          |
| 35) Dibromofluoromethane    | 6.91  | 113  | 664454   | 53.19 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.38% |          |
| 50) Toluene-d8              | 10.40 | 98   | 1482783  | 53.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.08% |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 636805   | 49.99 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.98%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.56 | 85   | 293231   | 22.333  | ug/l   | 95     |
| 3) Chloromethane              | 1.73 | 50   | 222840   | 21.844  | ug/l   | 98     |
| 4) Vinyl Chloride             | 1.84 | 62   | 226510   | 21.448  | ug/l   | 97     |
| 5) Bromomethane               | 2.13 | 94   | 84569    | 15.878  | ug/l   | 93     |
| 6) Chloroethane               | 2.24 | 64   | 99899    | 20.489  | ug/l # | 84     |
| 7) Trichlorofluoromethane     | 2.52 | 101  | 404670   | 19.752  | ug/l   | 94     |
| 8) Diethyl Ether              | 2.85 | 74   | 56267    | 19.623  | ug/l   | 84     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.13 | 101  | 222582   | 19.613  | ug/l   | 97     |
| 10) Methyl Iodide             | 3.29 | 142  | 315722   | 19.257  | ug/l   | 96     |
| 11) Tert butyl alcohol        | 4.07 | 59   | 47265    | 90.363  | ug/l   | 96     |
| 12) 1,1-Dichloroethene        | 3.11 | 96   | 170019   | 20.407  | ug/l   | 83     |
| 13) Acrolein                  | 3.02 | 56   | 41069    | 81.584  | ug/l   | 92     |
| 14) Allyl chloride            | 3.60 | 41   | 270011   | 20.344  | ug/l   | 87     |
| 15) Acrylonitrile             | 4.18 | 53   | 137328   | 101.269 | ug/l   | 96     |
| 16) Acetone                   | 3.22 | 43   | 230175   | 99.117  | ug/l   | 100    |
| 17) Carbon Disulfide          | 3.35 | 76   | 539845   | 19.358  | ug/l   | 100    |
| 18) Methyl Acetate            | 3.63 | 43   | 88090    | 19.748  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 4.22 | 73   | 382406   | 20.319  | ug/l   | 99     |
| 20) Methylene Chloride        | 3.80 | 84   | 184102   | 19.613  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 4.20 | 96   | 194310   | 20.785  | ug/l   | 91     |
| 22) Diisopropyl ether         | 5.11 | 45   | 539491   | 20.345  | ug/l   | 99     |
| 23) Vinyl Acetate             | 5.04 | 43   | 1657873  | 101.709 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 4.96 | 63   | 346647   | 20.466  | ug/l   | 98     |
| 25) 2-Butanone                | 6.06 | 43   | 227476   | 97.605  | ug/l # | 86     |
| 26) 2,2-Dichloropropane       | 6.01 | 77   | 353331   | 20.242  | ug/l   | 95     |
| 27) cis-1,2-Dichloroethene    | 6.02 | 96   | 199468   | 19.901  | ug/l   | 94     |
| 28) Bromochloromethane        | 6.43 | 49   | 129849   | 19.241  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 6.45 | 42   | 101758   | 92.221  | ug/l   | 96     |
| 30) Chloroform                | 6.65 | 83   | 436210   | 20.752  | ug/l   | 91     |
| 31) Cyclohexane               | 6.94 | 56   | 214870   | 20.239  | ug/l   | 93     |
| 32) 1,1,1-Trichloroethane     | 6.85 | 97   | 407972   | 20.065  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 7.13 | 75   | 287601   | 21.539  | ug/l   | 100    |
| 37) Ethyl Acetate             | 6.18 | 43   | 113663   | 18.948  | ug/l   | 95     |
| 38) Carbon Tetrachloride      | 7.10 | 117  | 411970   | 20.494  | ug/l   | 92     |

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 Sample : VD0730SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0730SBS01

Quant Time: Jul 31 04:53:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:04:50 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.86  | 83   | 241703   | 21.726  | ug/l   | 98       |
| 40) Benzene                    | 7.44  | 78   | 566269   | 20.235  | ug/l   | 99       |
| 41) Methacrylonitrile          | 6.44  | 41   | 150091   | 20.916  | ug/l # | 85       |
| 42) 1,2-Dichloroethane         | 7.57  | 62   | 297935   | 20.088  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 9.23  | 43   | 161140   | 21.029  | ug/l # | 98       |
| 44) Trichloroethene            | 8.53  | 130  | 228089   | 20.114  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 8.93  | 63   | 136755   | 19.226  | ug/l   | 93       |
| 46) Dibromomethane             | 9.05  | 93   | 123623   | 20.902  | ug/l   | 90       |
| 47) Bromodichloromethane       | 9.36  | 83   | 303302   | 20.118  | ug/l   | 95       |
| 48) Methyl methacrylate        | 9.11  | 41   | 106605   | 21.450  | ug/l   | 92       |
| 49) 1,4-Dioxane                | 9.06  | 88   | 17495    | 413.142 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone       | 10.29 | 43   | 520002   | 99.782  | ug/l   | 98       |
| 52) Toluene                    | 10.50 | 92   | 373556   | 20.070  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene      | 10.91 | 75   | 267383   | 20.571  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.03 | 75   | 286680   | 20.986  | ug/l   | 88       |
| 55) 1,1,2-Trichloroethane      | 11.18 | 97   | 135568   | 21.566  | ug/l   | 100      |
| 56) Ethyl methacrylate         | 11.03 | 69   | 138070   | 20.058  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 11.40 | 76   | 198670   | 20.059  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.84  | 63   | 318779   | 89.001  | ug/l   | 99       |
| 59) 2-Hexanone                 | 11.53 | 43   | 381986   | 101.713 | ug/l   | 86       |
| 60) Dibromochloromethane       | 11.68 | 129  | 244472   | 20.601  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.80 | 107  | 155676   | 20.070  | ug/l   | 95       |
| 64) Tetrachloroethene          | 11.25 | 164  | 198136   | 19.639  | ug/l   | 96       |
| 65) Chlorobenzene              | 12.39 | 112  | 464803   | 19.081  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 12.51 | 131  | 211816   | 19.741  | ug/l   | 96       |
| 67) Ethyl Benzene              | 12.52 | 91   | 838104   | 20.254  | ug/l   | 99       |
| 68) m/p-Xylenes                | 12.67 | 106  | 529237   | 34.874  | ug/l   | 98       |
| 69) o-Xylene                   | 13.04 | 106  | 274931   | 19.728  | ug/l   | 96       |
| 70) Styrene                    | 13.07 | 104  | 499472   | 20.210  | ug/l   | 99       |
| 71) Bromoform                  | 13.23 | 173  | 139723   | 17.906  | ug/l   | 100      |
| 73) Isopropylbenzene           | 13.40 | 105  | 873189   | 21.974  | ug/l   | 98       |
| 74) N-amyl acetate             | 13.26 | 43   | 199203   | 18.963  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.69 | 83   | 143393   | 21.244  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 13.73 | 75   | 147414   | 19.385  | ug/l   | 100      |
| 77) Bromobenzene               | 13.66 | 156  | 223810   | 19.772  | ug/l   | 92       |
| 78) n-propylbenzene            | 13.77 | 91   | 995091   | 21.043  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 13.84 | 91   | 590614   | 21.555  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 13.93 | 105  | 744384   | 21.719  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 13.46 | 75   | 41748    | 19.770  | ug/l   | 81       |
| 82) 4-Chlorotoluene            | 13.95 | 91   | 697617   | 21.634  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 14.18 | 119  | 785815   | 20.081  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 14.23 | 105  | 761344   | 21.477  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 14.36 | 105  | 868493   | 21.065  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 14.49 | 119  | 813338   | 20.668  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 14.45 | 146  | 413268   | 20.615  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 391748   | 19.325  | ug/l   | 97       |
| 89) n-Butylbenzene             | 14.79 | 91   | 671812   | 19.766  | ug/l   | 99       |
| 90) Hexachloroethane           | 15.00 | 117  | 205712   | 20.064  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene        | 14.80 | 146  | 325782   | 18.652  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.37 | 75   | 31494    | 22.906  | ug/l   | 85       |

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Acq On : 30 Jul 2019 11:49  
Operator : VA/AP  
Sample : VD0730SBSD01  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

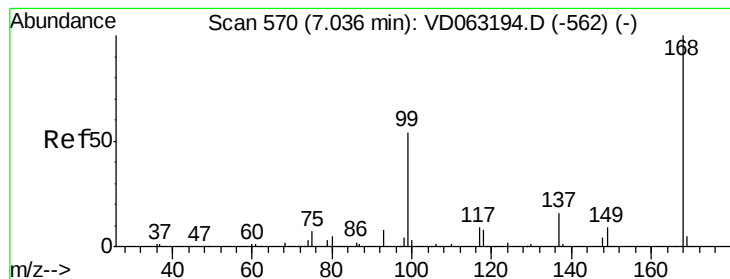
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBSD01

Quant Time: Jul 31 04:53:19 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:04:50 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.94 | 180  | 269669   | 19.462 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 16.03 | 225  | 201293   | 20.047 | ug/l  | 95       |
| 95) Naphthalene            | 16.12 | 128  | 372323   | 19.012 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 16.27 | 180  | 235834   | 21.545 | ug/l  | 93       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

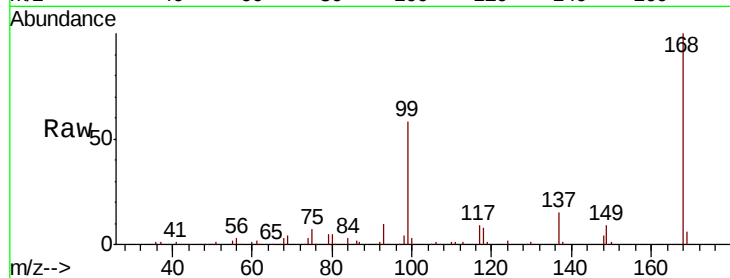
VD0730SBSD01

Tot Ion:168 Resp: 1074163

Ion Ratio Lower Upper

168 100

99 58.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

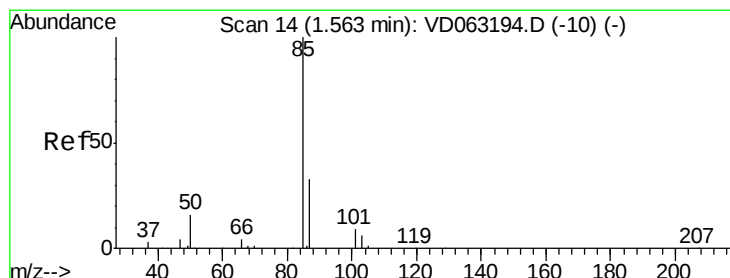
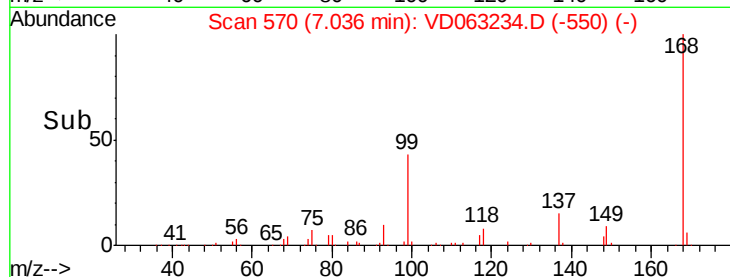
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 22.333 ug/l

RT: 1.56 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063234.D

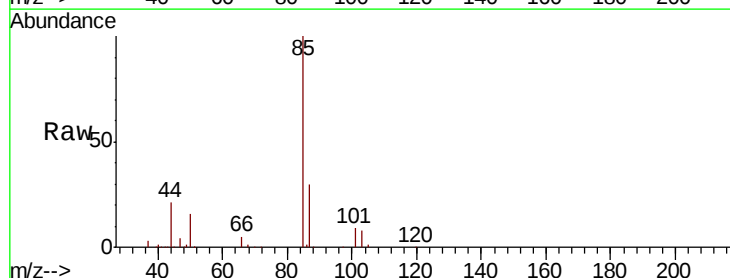
Acq: 30 Jul 2019 11:49

Tgt Ion: 85 Resp: 293231

Ion Ratio Lower Upper

85 100

87 30.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

200000

150000

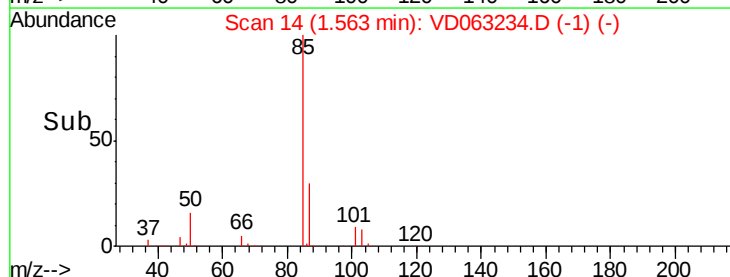
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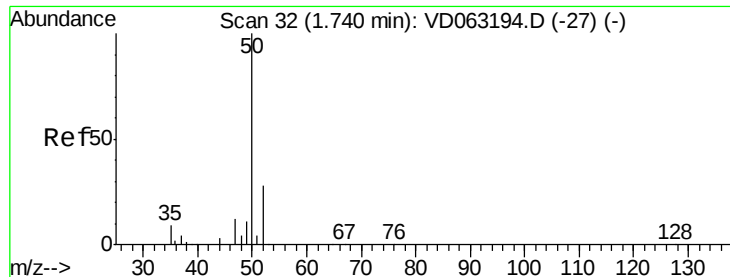
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 21.844 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

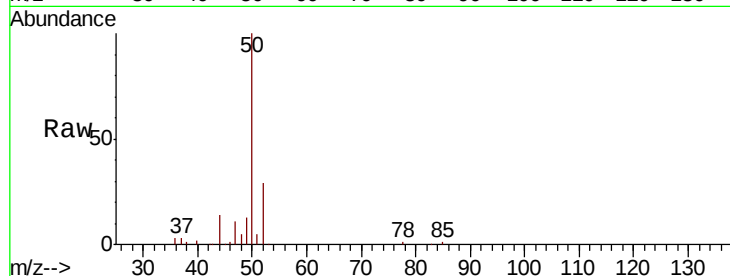
VD0730SBSD01

Tot Ion: 50 Resp: 222840

Ion Ratio Lower Upper

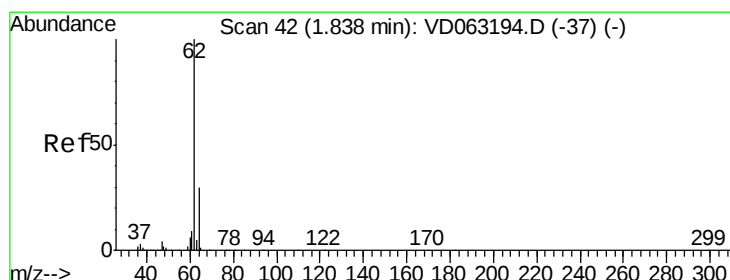
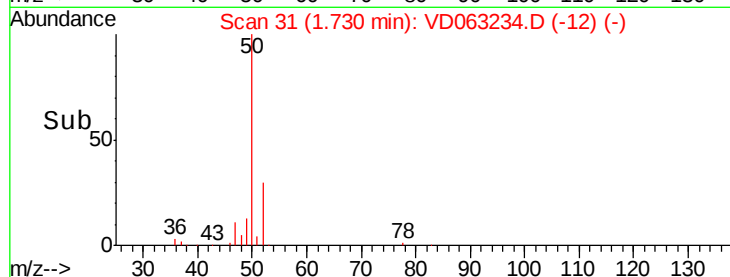
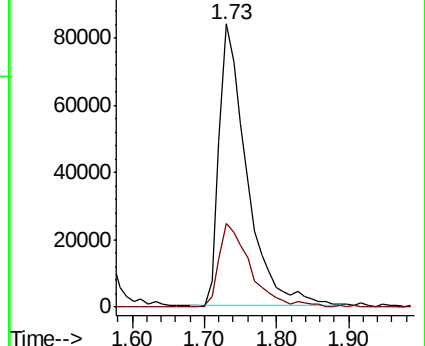
50 100

52 29.4 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.448 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063234.D

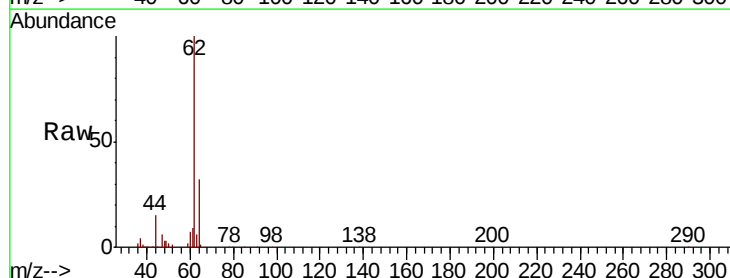
Acq: 30 Jul 2019 11:49

Tgt Ion: 62 Resp: 226510

Ion Ratio Lower Upper

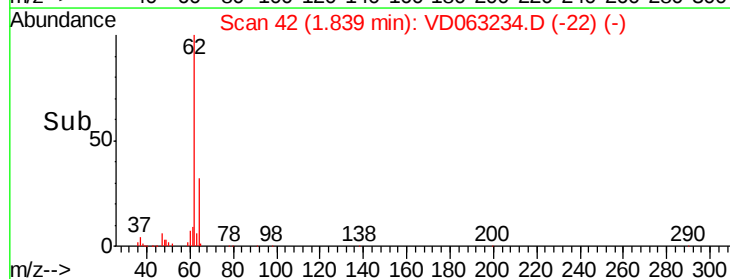
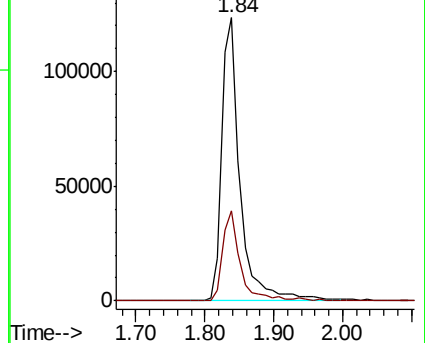
62 100

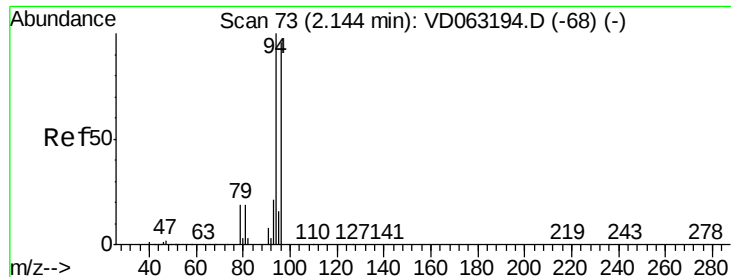
64 31.7 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.878 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

VD0730SBSD01

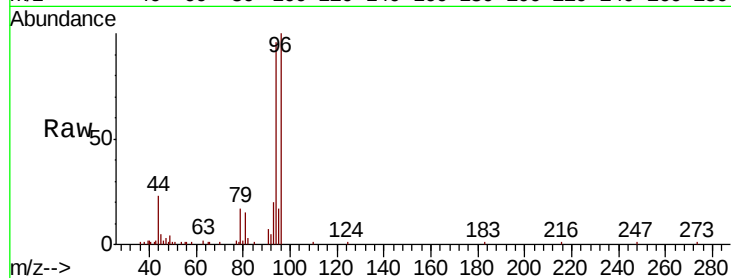
Tot Ion: 94 Resp: 84569

Ion Ratio Lower Upper

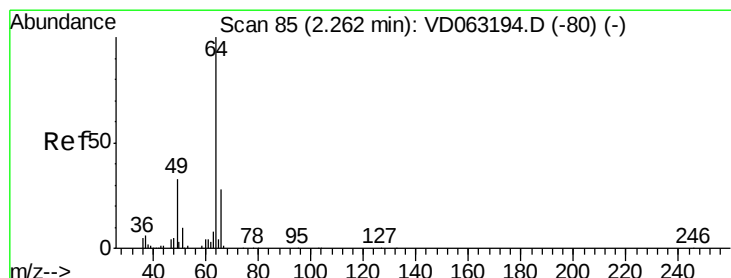
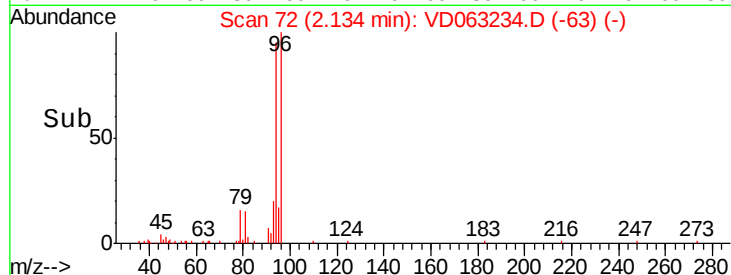
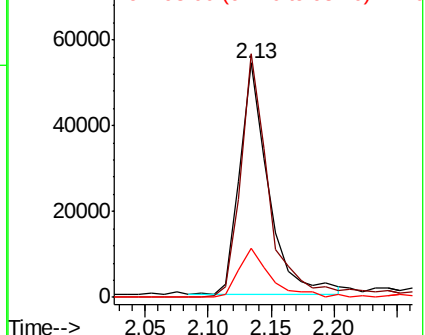
94 100

96 103.9 76.4 114.6

93 21.1 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC  
Ion 96.00 (95.70 to 96.70): VDC  
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 20.489 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063234.D

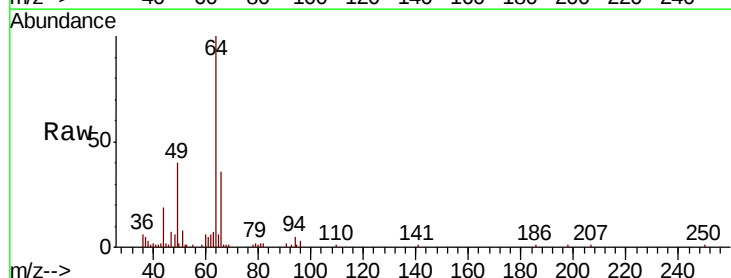
Acq: 30 Jul 2019 11:49

Tgt Ion: 64 Resp: 99899

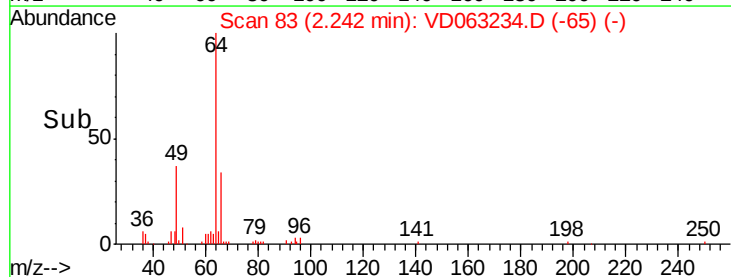
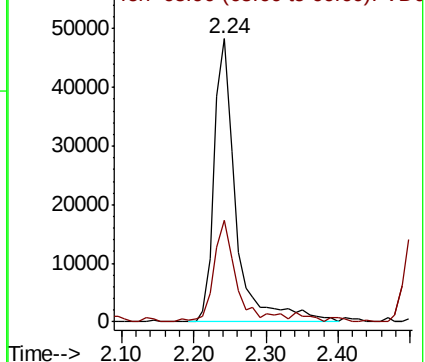
Ion Ratio Lower Upper

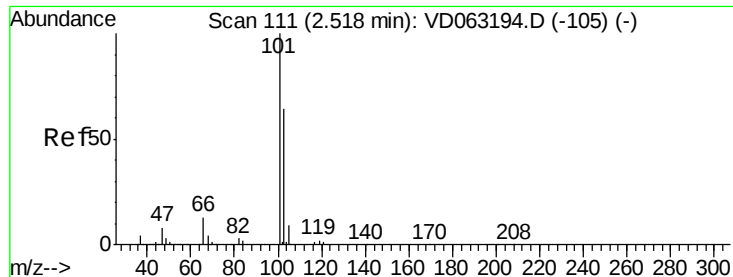
64 100

66 36.0 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC  
Ion 65.90 (65.60 to 66.60): VDC



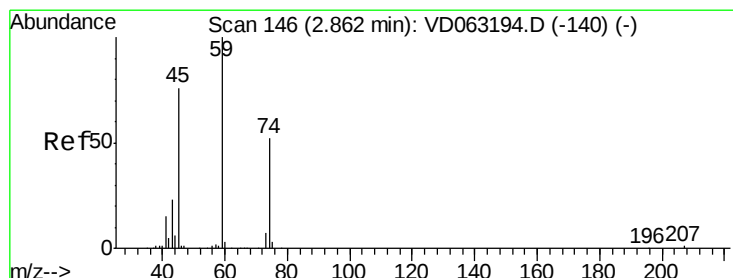
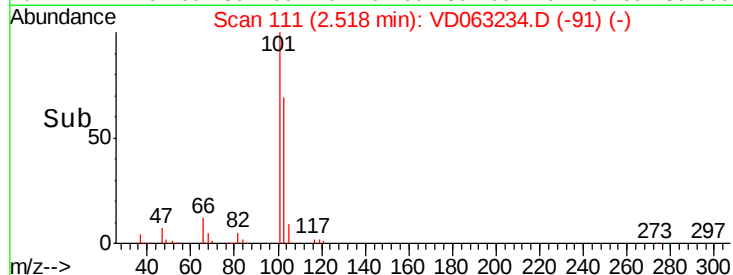
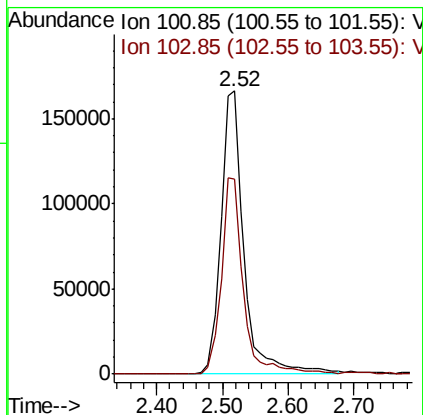
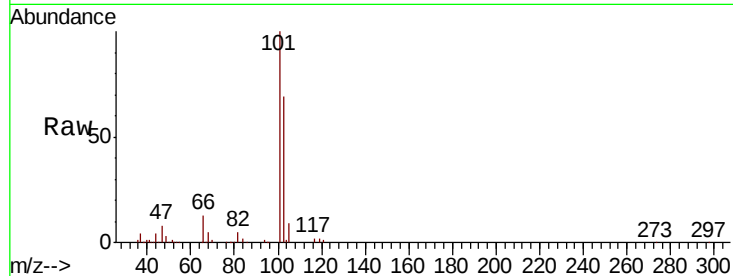


#7

Trichlorofluoromethane  
 Concen: 19.752 ug/l  
 RT: 2.52 min Scan# 111  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0730SBSD01

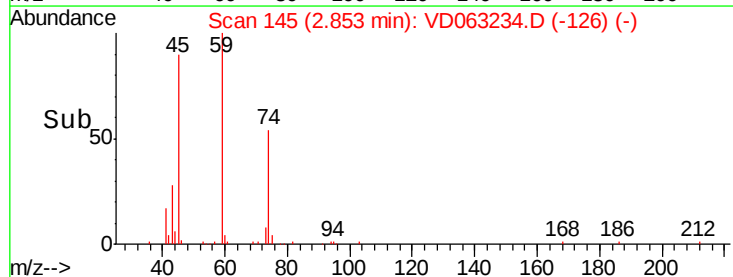
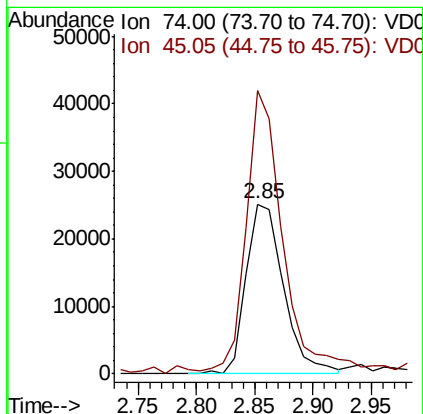
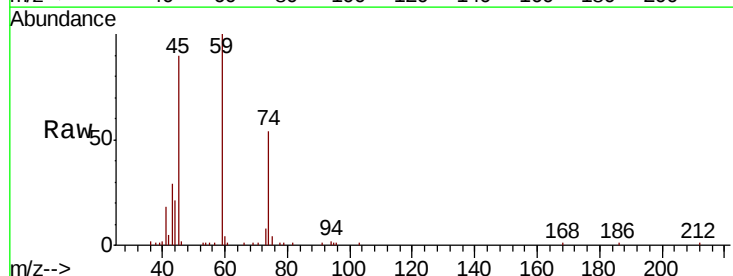
Tot Ion:101 Resp: 404670  
 Ion Ratio Lower Upper  
 101 100  
 103 69.0 51.5 77.3

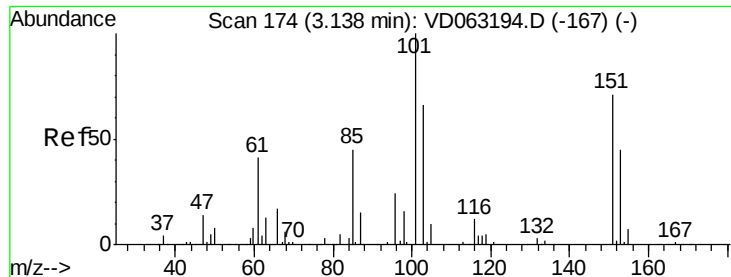


#8

Diethyl Ether  
 Concen: 19.623 ug/l  
 RT: 2.85 min Scan# 145  
 Delta R.T. -0.01 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

Tgt Ion: 74 Resp: 56267  
 Ion Ratio Lower Upper  
 74 100  
 45 167.0 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.613 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

VD0730SBSD01

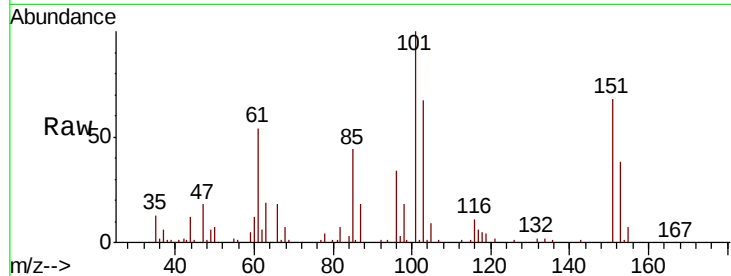
Tot Ion:101 Resp: 222582

Ion Ratio Lower Upper

101 100

85 43.8 36.1 54.1

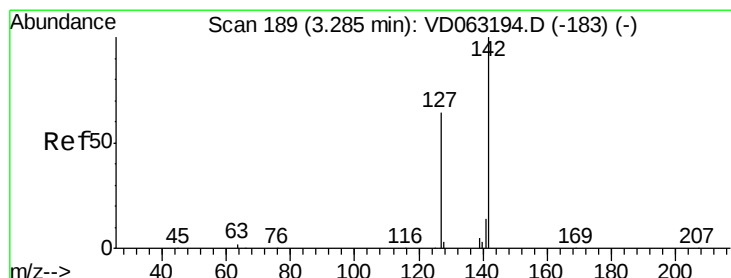
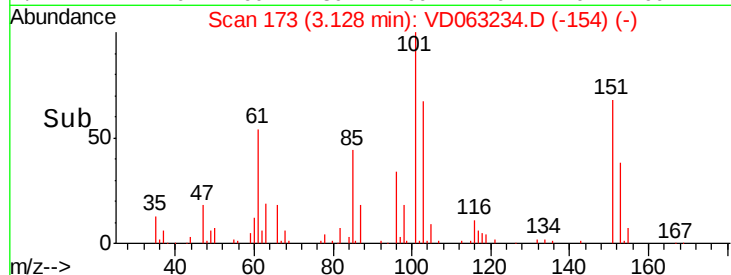
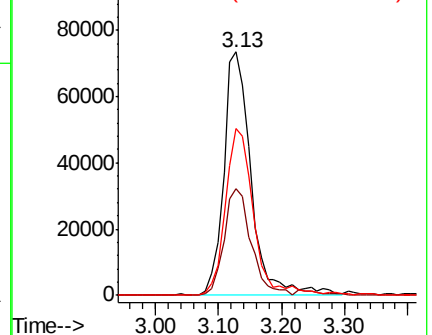
151 68.4 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.257 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

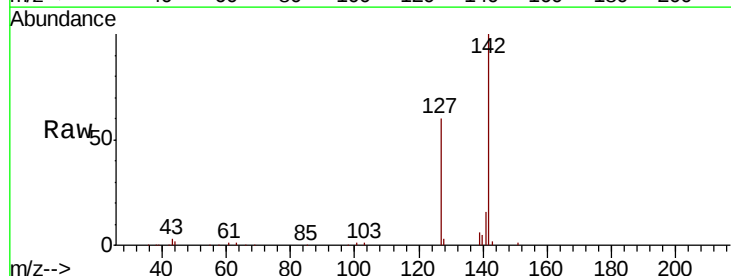
Tgt Ion:142 Resp: 315722

Ion Ratio Lower Upper

142 100

127 60.5 50.8 76.2

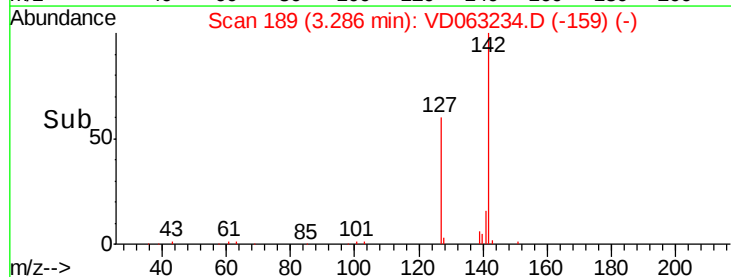
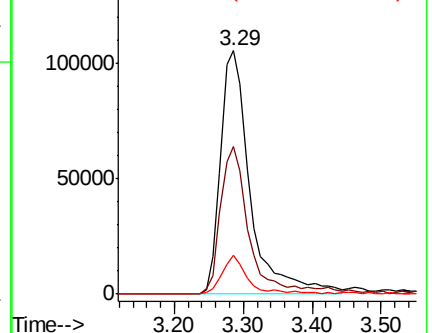
141 16.0 11.4 17.2

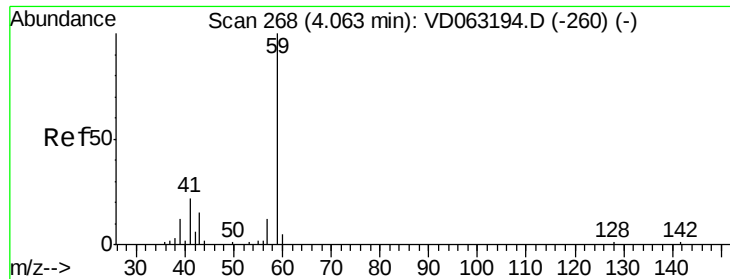


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

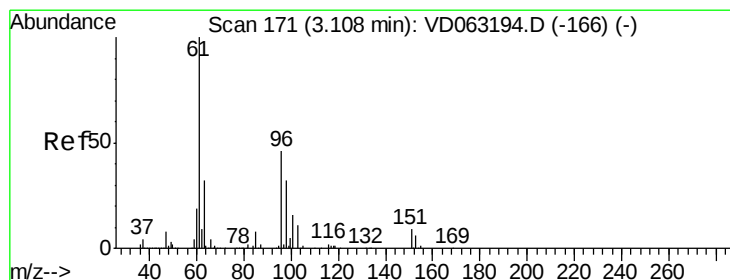
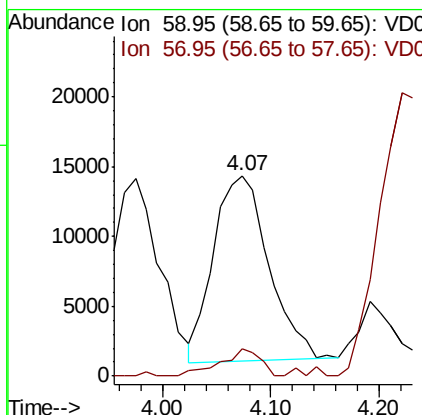
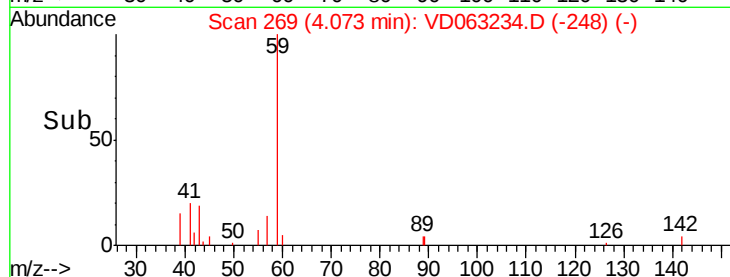
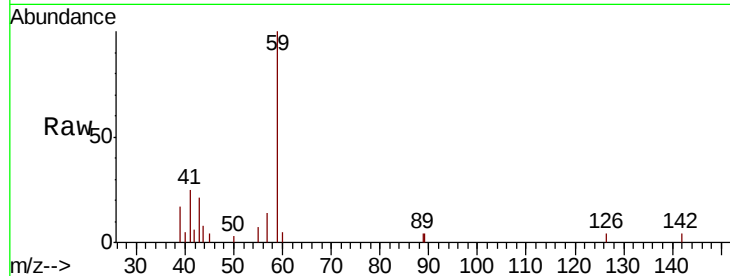




#11  
Tert butyl alcohol  
Concen: 90.363 ug/l  
RT: 4.07 min Scan# 269  
Delta R.T. 0.01 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

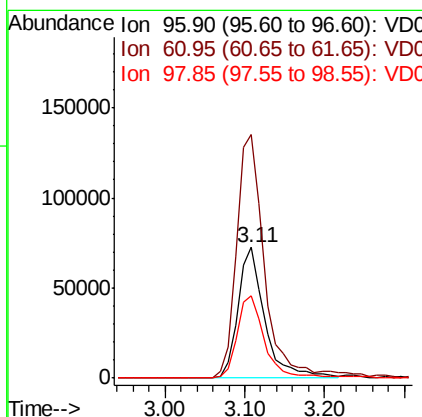
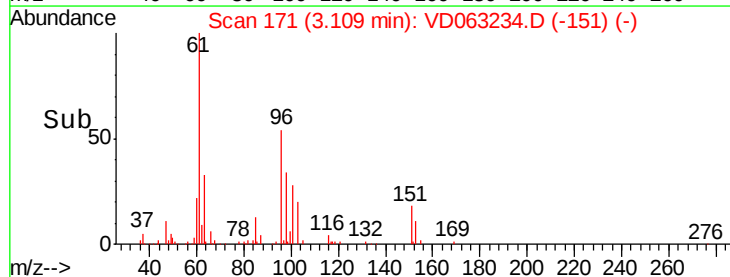
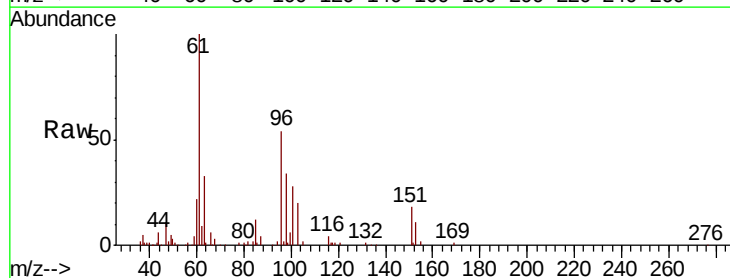
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBS01

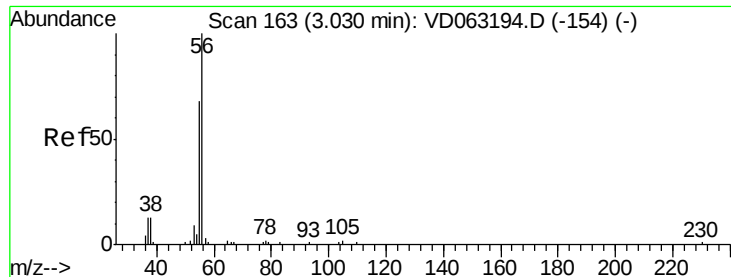
Tot Ion: 59 Resp: 47265  
Ion Ratio Lower Upper  
59 100  
57 13.6 9.6 14.4



#12  
1,1-Dichloroethene  
Concen: 20.407 ug/l  
RT: 3.11 min Scan# 171  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Tgt Ion: 96 Resp: 170019  
Ion Ratio Lower Upper  
96 100  
61 186.4 173.7 260.5  
98 62.6 55.8 83.8





#13

Acrolein

Concen: 81.584 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

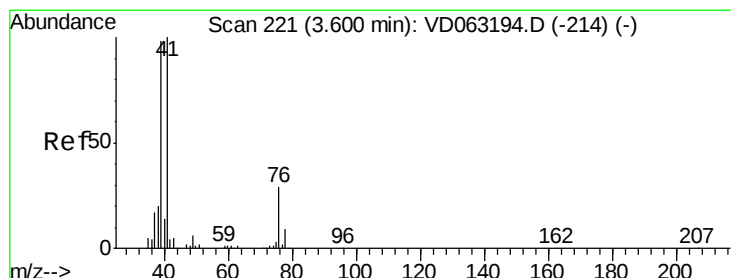
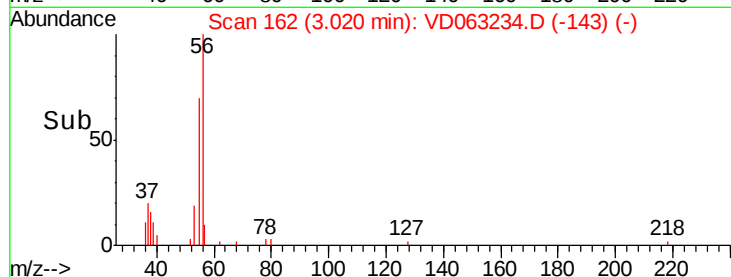
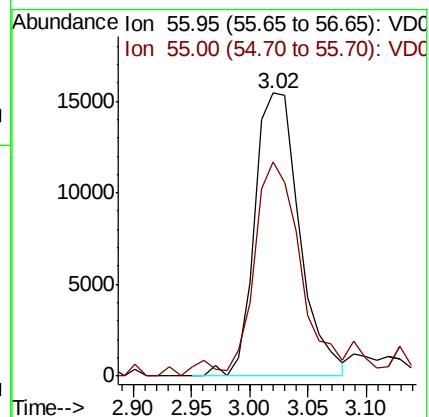
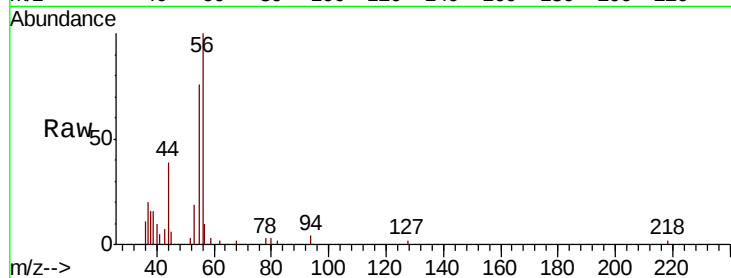
VD0730SBS01

Tot Ion: 56 Resp: 41069

Ion Ratio Lower Upper

56 100

55 75.9 55.3 82.9



#14

Allyl chloride

Concen: 20.344 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

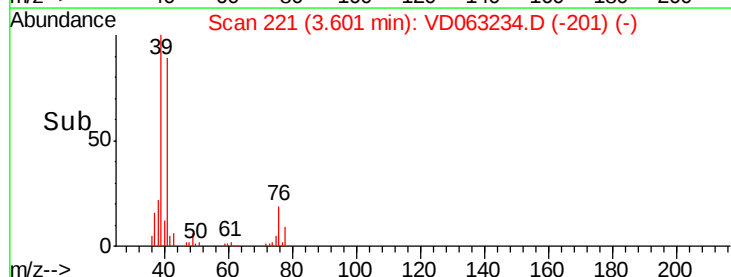
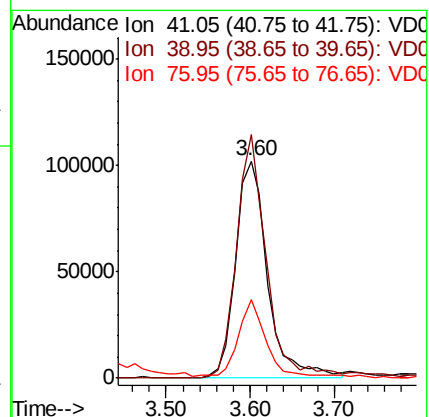
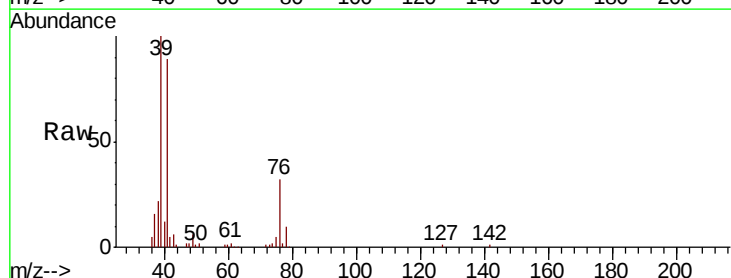
Tgt Ion: 41 Resp: 270011

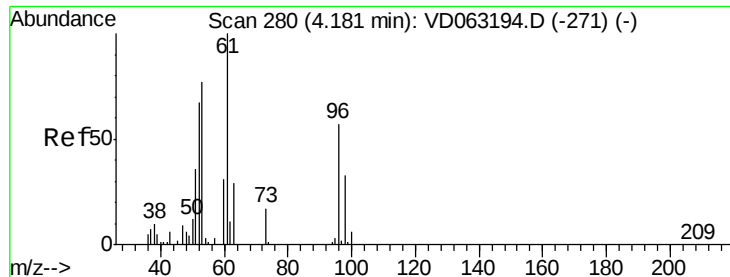
Ion Ratio Lower Upper

41 100

39 112.0 78.6 117.8

76 36.1 24.5 36.7





#15

Acrylonitrile

Concen: 101.269 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

VD0730SBS01

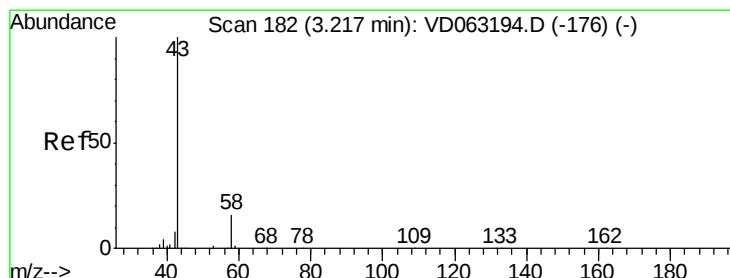
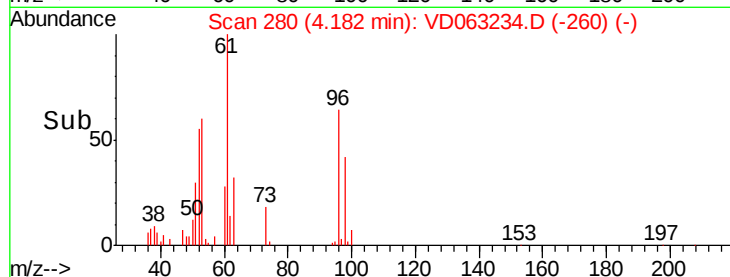
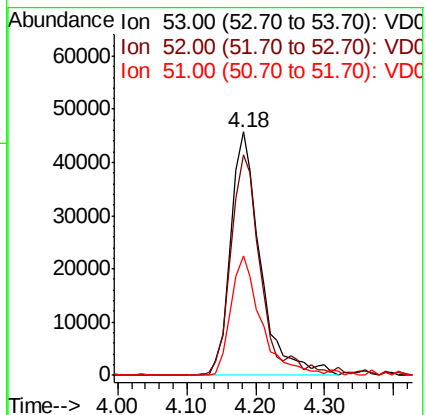
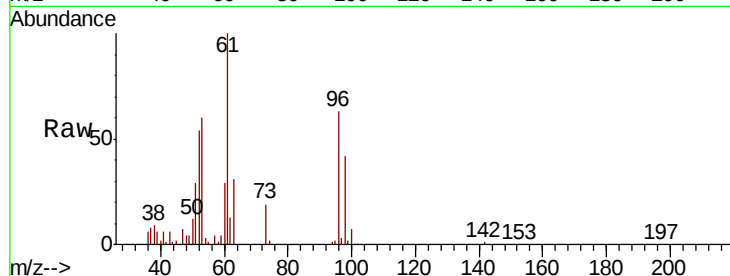
Tot Ion: 53 Resp: 137328

Ion Ratio Lower Upper

53 100

52 90.5 69.7 104.5

51 49.0 37.4 56.0



#16

Acetone

Concen: 99.117 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063234.D

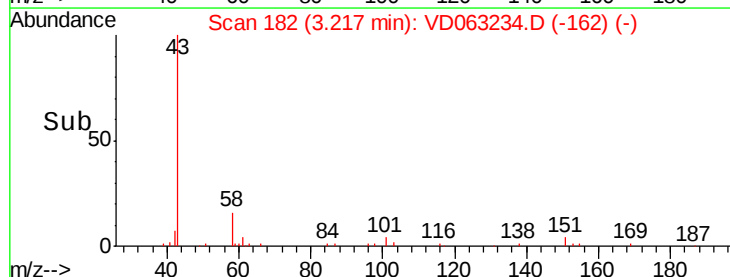
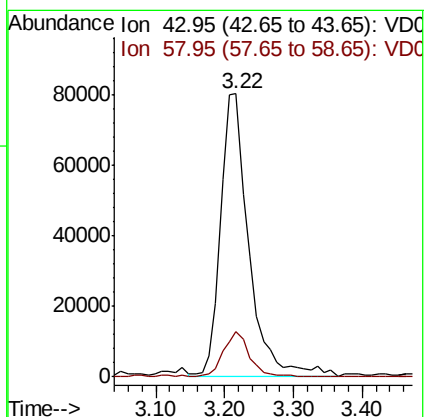
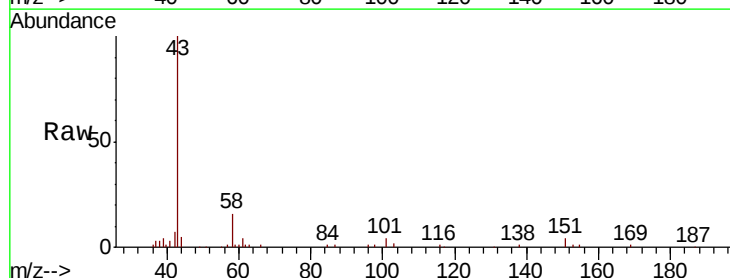
Acq: 30 Jul 2019 11:49

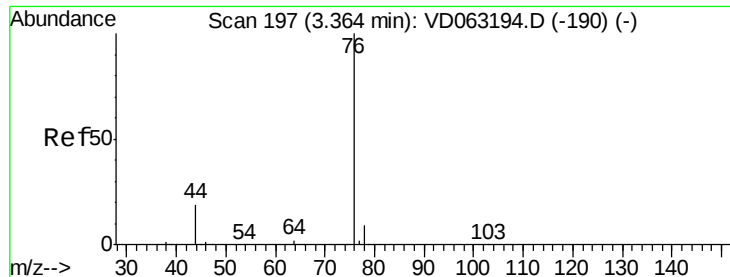
Tgt Ion: 43 Resp: 230175

Ion Ratio Lower Upper

43 100

58 16.1 13.0 19.4

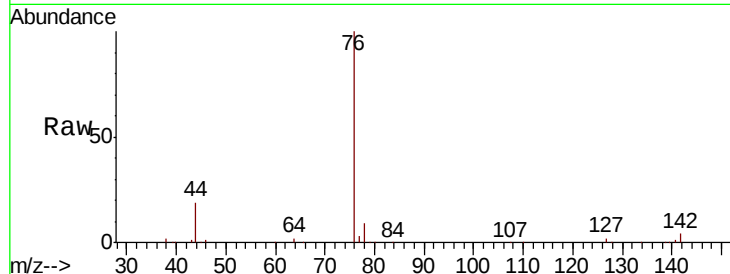




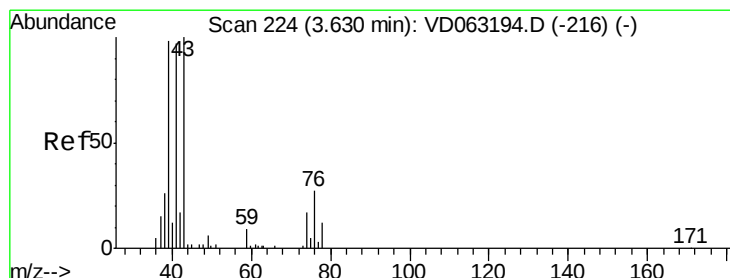
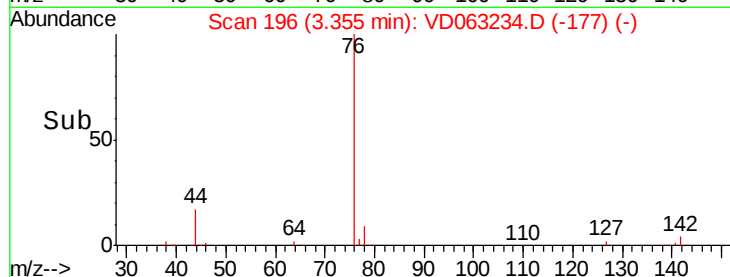
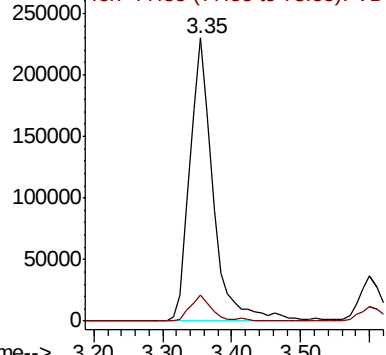
#17  
Carbon Disulfide  
Concen: 19.358 ug/l  
RT: 3.35 min Scan# 196  
Delta R.T. -0.01 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBSD01

Tot Ion: 76 Resp: 539845  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.2

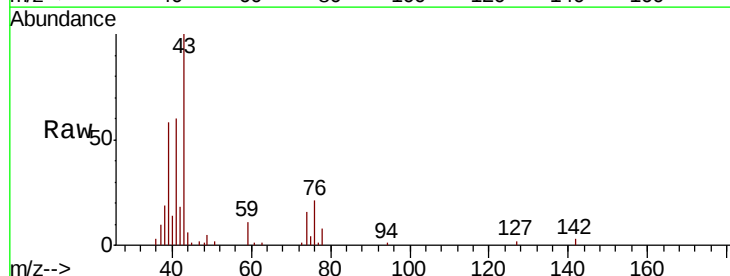


Abundance Ion 75.85 (75.55 to 76.55): VDC  
Ion 77.85 (77.55 to 78.55): VDC

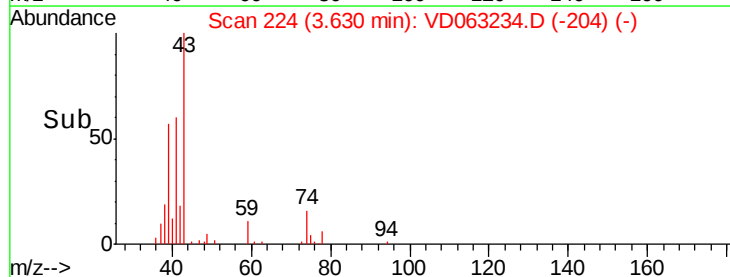
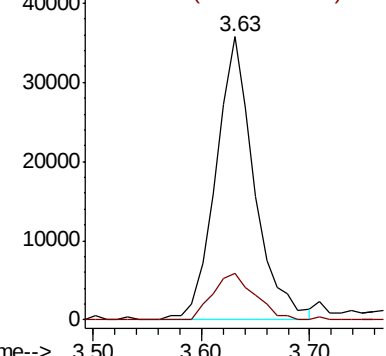


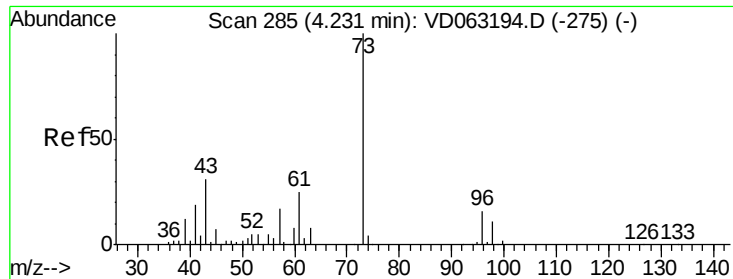
#18  
Methyl Acetate  
Concen: 19.748 ug/l  
RT: 3.63 min Scan# 224  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Tgt Ion: 43 Resp: 88090  
Ion Ratio Lower Upper  
43 100  
74 16.4 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 74.00 (73.70 to 74.70): VDC

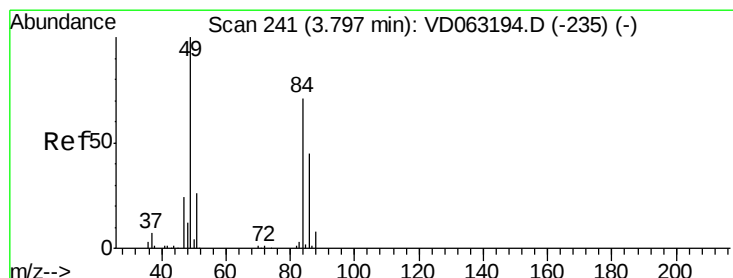
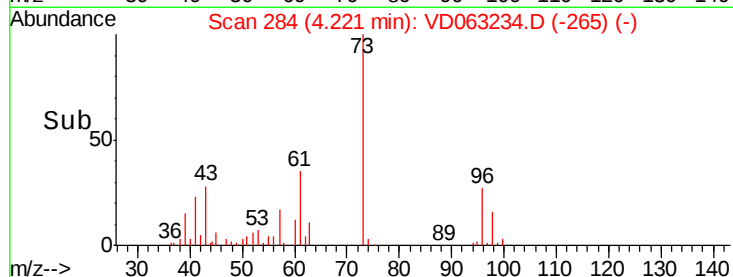
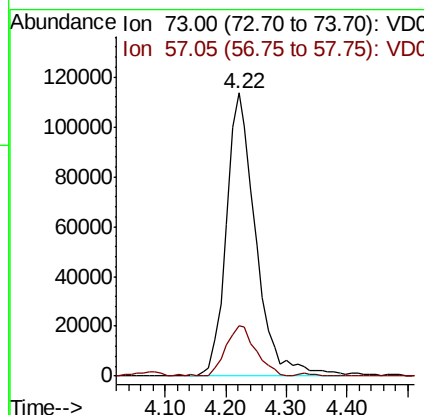
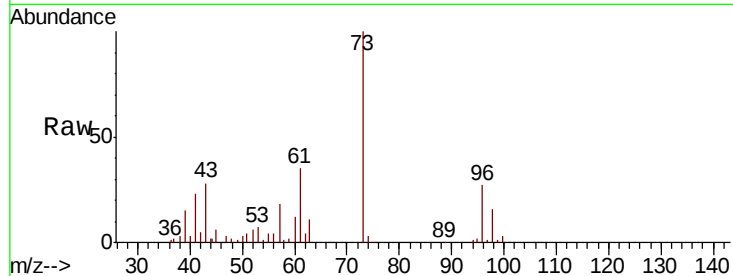




#19  
Methvl tert-butvl Ether  
Concen: 20.319 ug/l  
RT: 4.22 min Scan# 284  
Delta R.T. -0.01 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

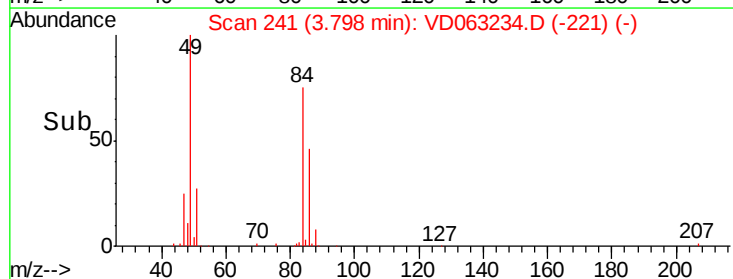
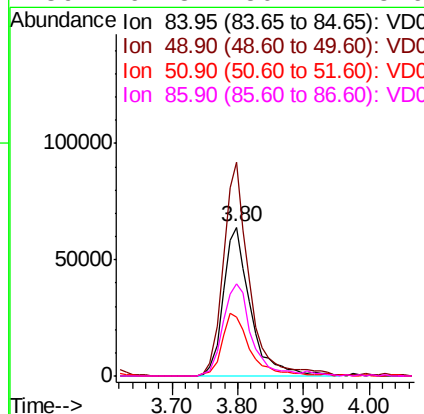
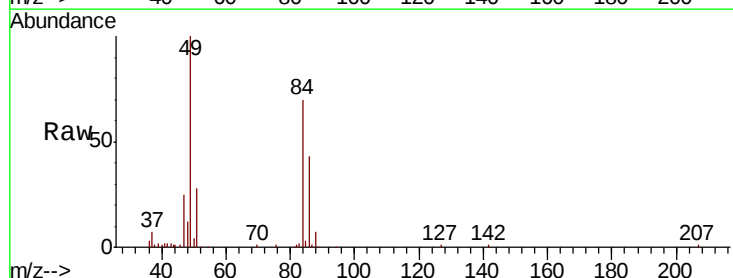
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBS01

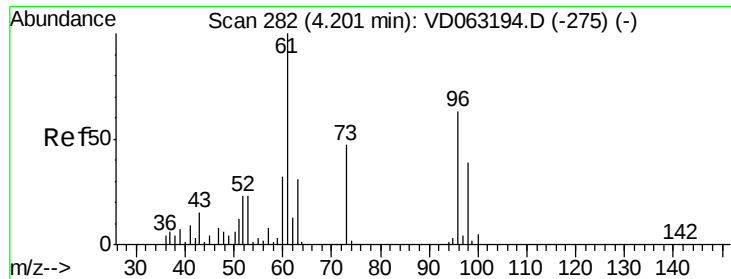
Tot Ion: 73 Resp: 382406  
Ion Ratio Lower Upper  
73 100  
57 17.8 13.8 20.6



#20  
Methylene Chloride  
Concen: 19.613 ug/l  
RT: 3.80 min Scan# 241  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Tgt Ion: 84 Resp: 184102  
Ion Ratio Lower Upper  
84 100  
49 143.3 112.5 168.7  
51 39.4 29.6 44.4  
86 61.8 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.785 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

VD0730SBSD01

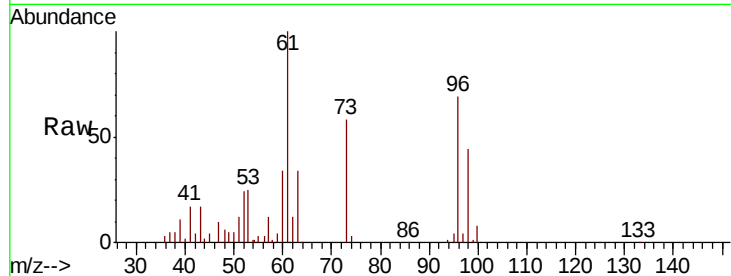
Tot Ion: 96 Resp: 194310

Ion Ratio Lower Upper

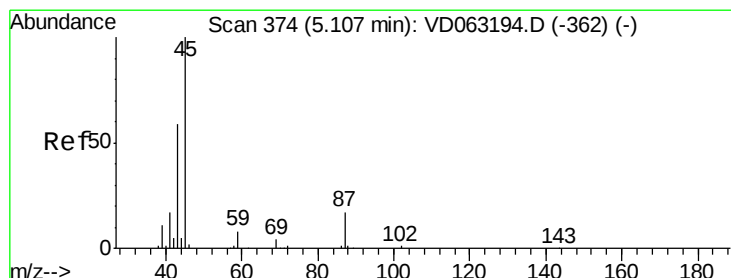
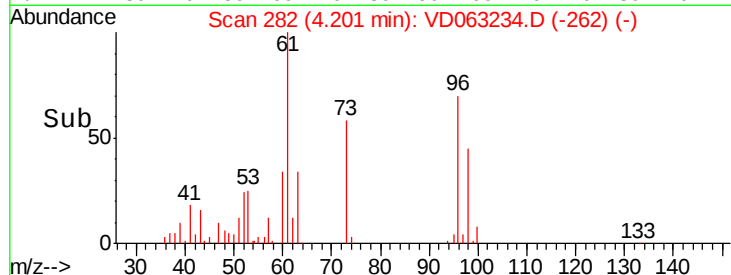
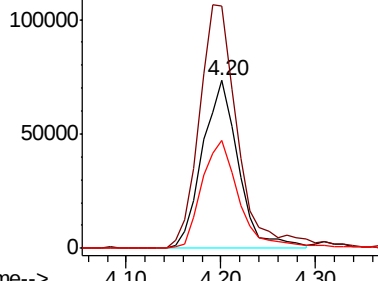
96 100

61 144.6 127.4 191.2

98 64.3 49.3 73.9



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: 20.345 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Tgt Ion: 45 Resp: 539491

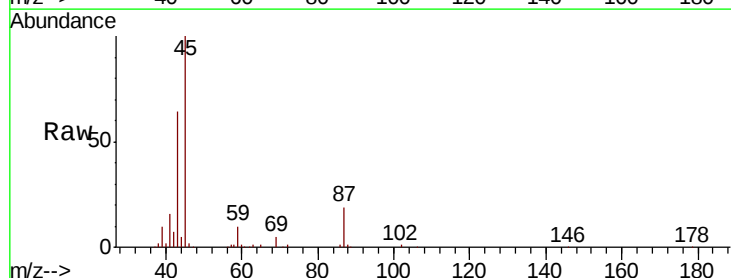
Ion Ratio Lower Upper

45 100

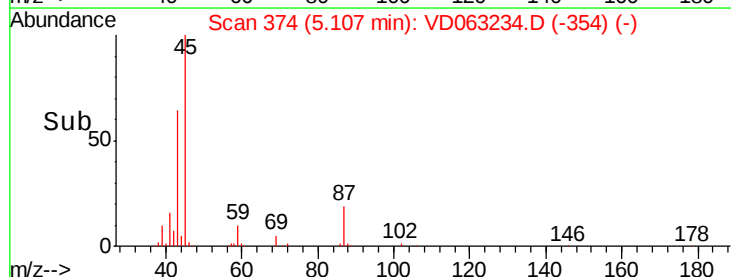
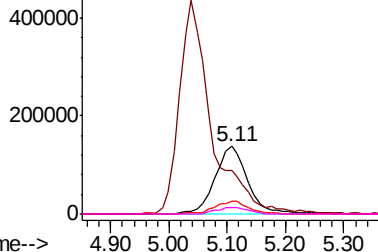
43 64.3 51.7 77.5

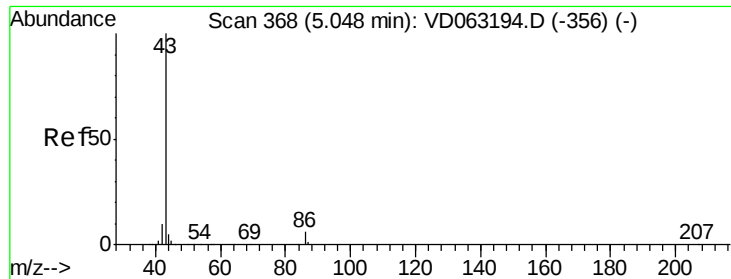
87 19.3 14.6 21.8

59 9.9 6.6 10.0



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: 101.709 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

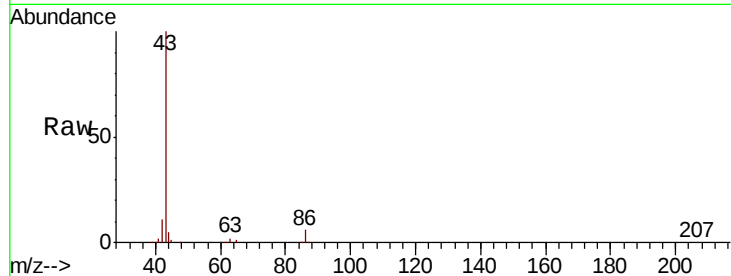
VD0730SBS01

Tot Ion: 43 Resp: 1657873

Ion Ratio Lower Upper

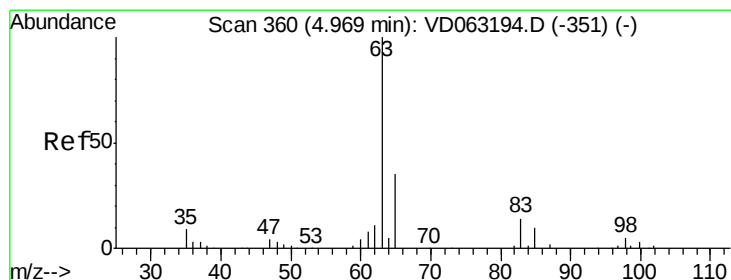
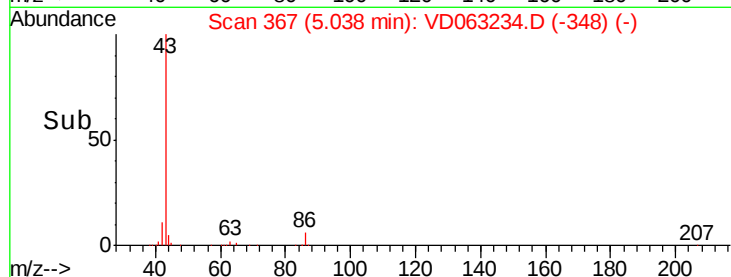
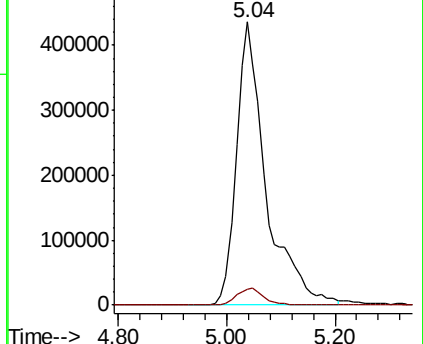
43 100

86 5.7 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.466 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

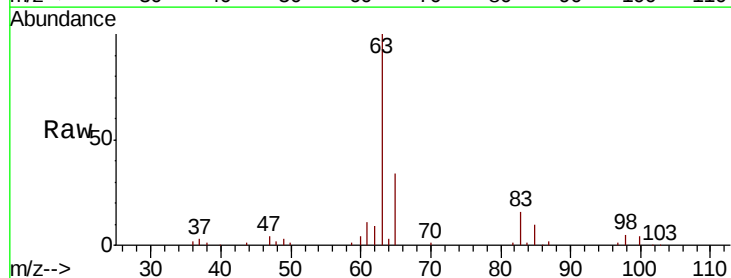
Tgt Ion: 63 Resp: 346647

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.4

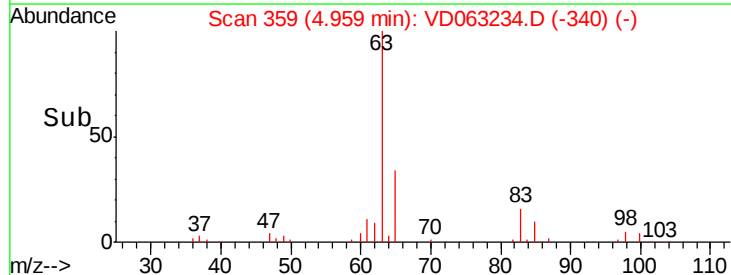
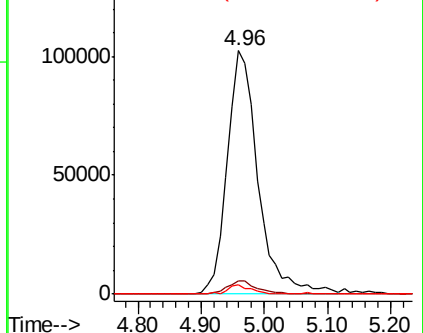
100 3.8 1.3 3.9

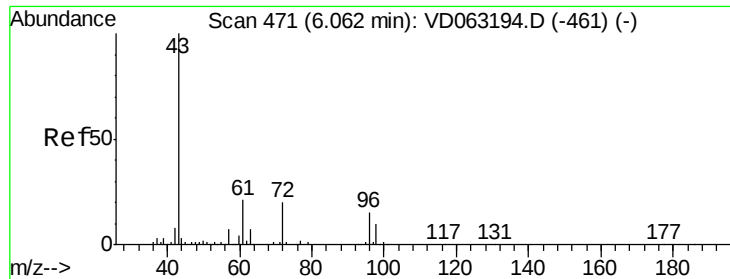


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

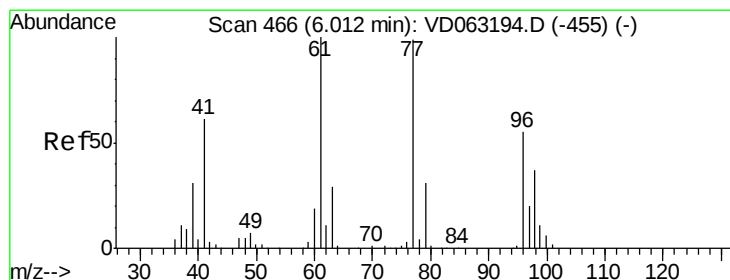
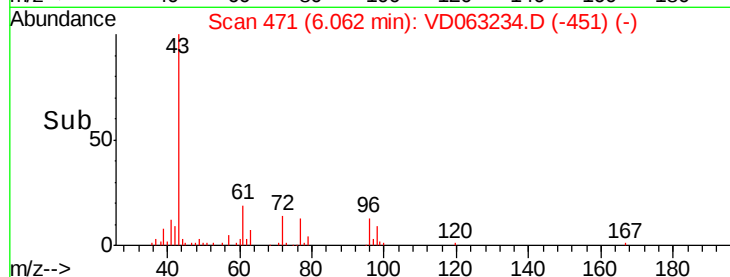
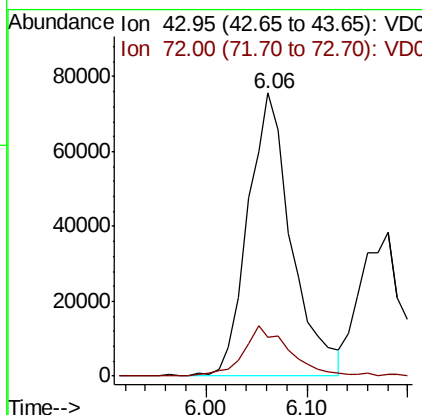
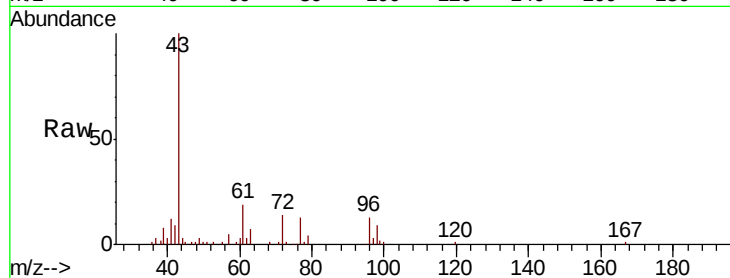




#25  
2-Butanone  
Concen: 97.605 ug/l  
RT: 6.06 min Scan# 471  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

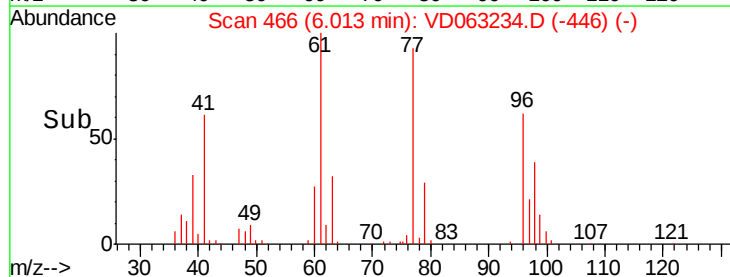
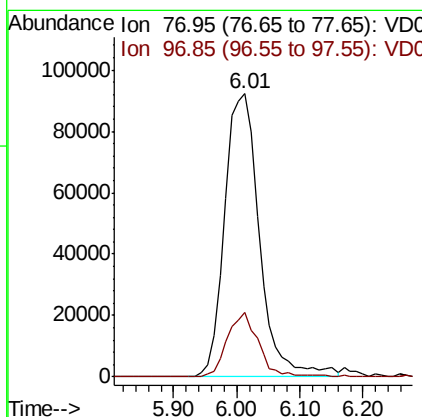
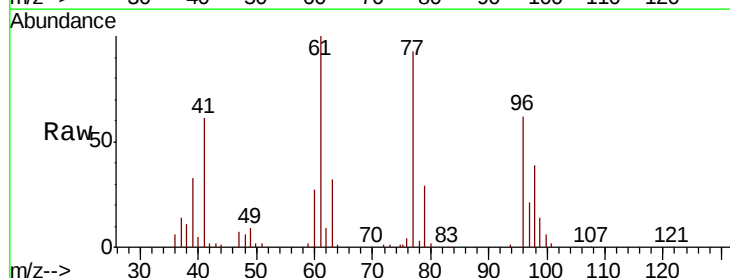
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBSD01

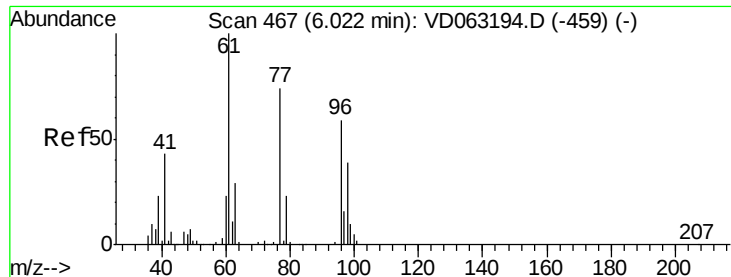
Tot Ion: 43 Resp: 227476  
Ion Ratio Lower Upper  
43 100  
72 13.8 16.3 24.5#



#26  
2,2-Dichloropropane  
Concen: 20.242 ug/l  
RT: 6.01 min Scan# 466  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Tgt Ion: 77 Resp: 353331  
Ion Ratio Lower Upper  
77 100  
97 22.9 10.2 30.6



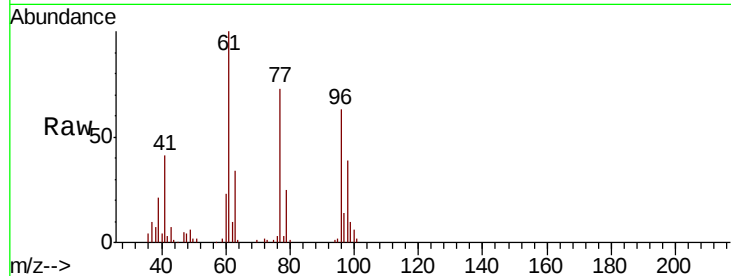


#27

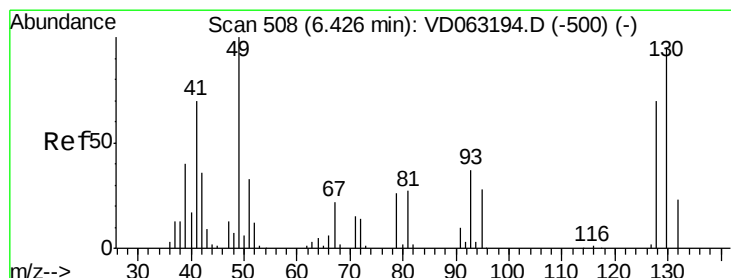
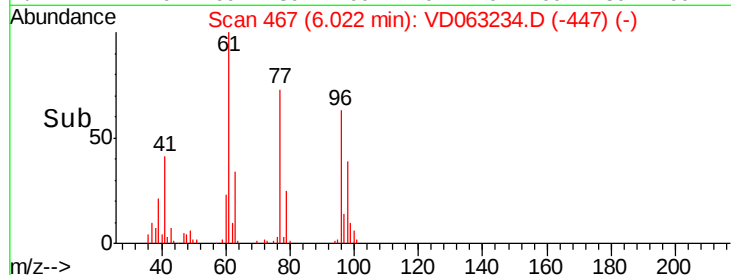
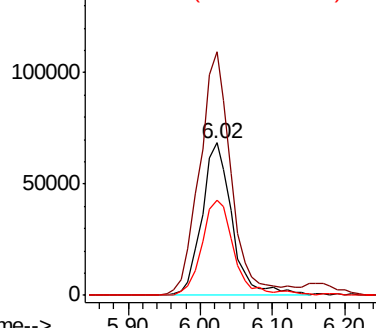
cis-1,2-Dichloroethene  
 Concen: 19.901 ug/l  
 RT: 6.02 min Scan# 467  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0730SBSD01

| Tot Ion   | 96    | Resp  | 199468 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 159.8 | 0.0   | 337.2  |
| 98        | 62.5  | 0.0   | 130.6  |



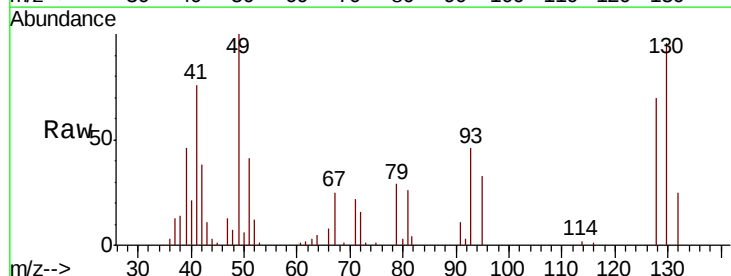
Abundance Ion 95.90 (95.60 to 96.60): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 97.85 (97.55 to 98.55): VDC



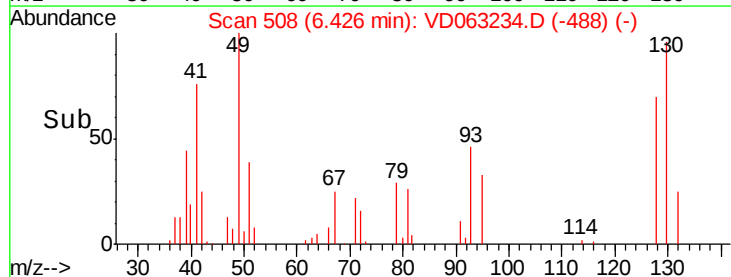
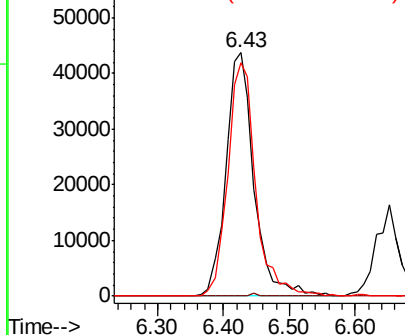
#28

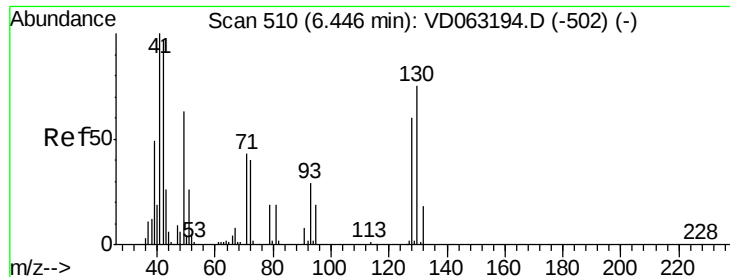
Bromochloromethane  
 Concen: 19.241 ug/l  
 RT: 6.43 min Scan# 508  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

| Tgt Ion   | 49    | Resp  | 129849 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 0.0   | 0.0   | 0.0    |
| 130       | 95.8  | 75.7  | 113.5  |



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





#29

Tetrahydrofuran

Concen: 92.221 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

VD0730SBS01

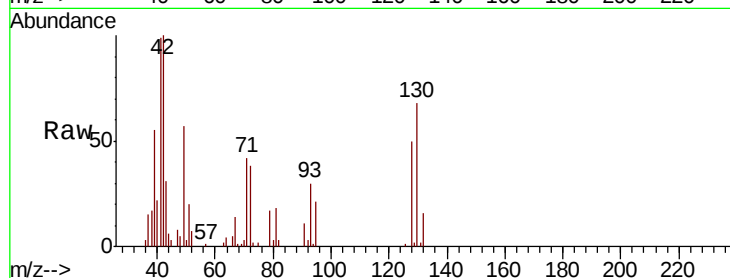
Tot Ion: 42 Resp: 101758

Ion Ratio Lower Upper

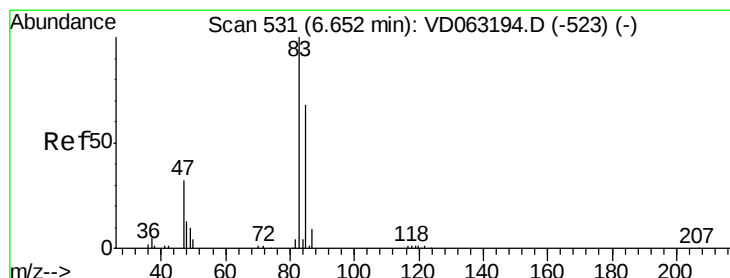
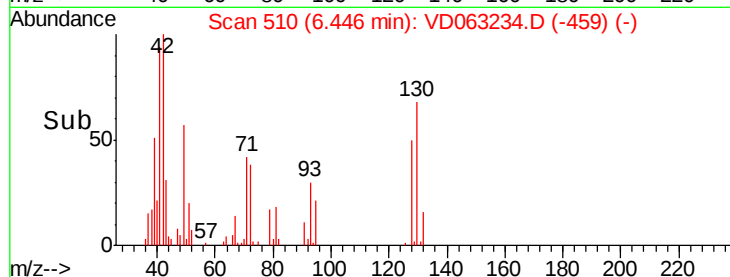
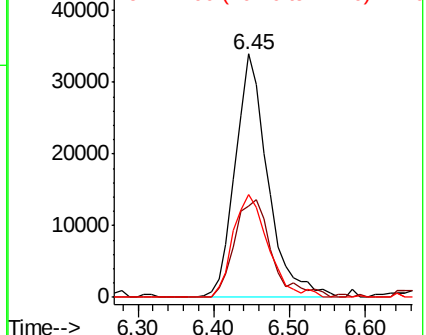
42 100

72 46.0 33.4 50.2

71 45.2 35.7 53.5



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: 20.752 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063234.D

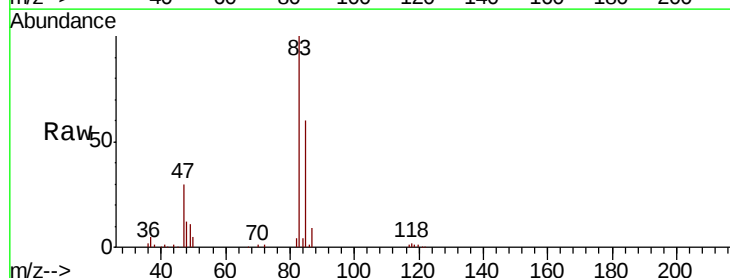
Acq: 30 Jul 2019 11:49

Tgt Ion: 83 Resp: 436210

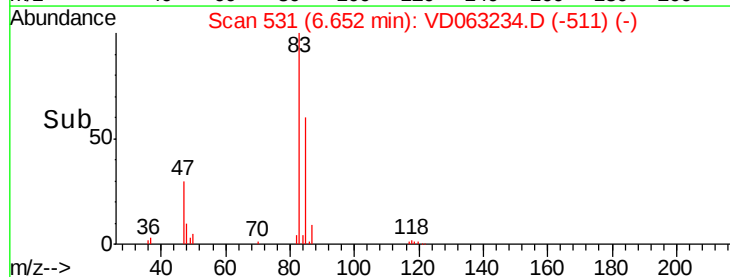
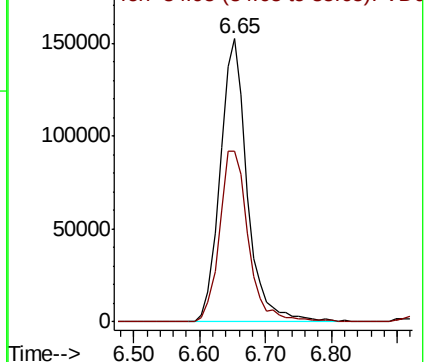
Ion Ratio Lower Upper

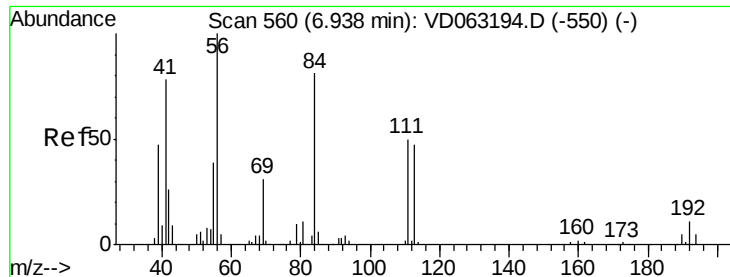
83 100

85 60.3 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC  
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 20.239 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

VD0730SBS01

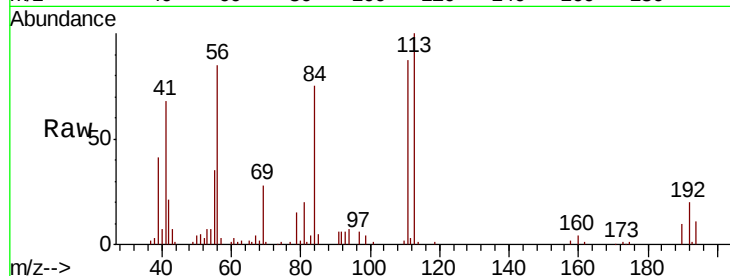
Tot Ion: 56 Resp: 214870

Ion Ratio Lower Upper

56 100

69 32.7 24.5 36.7

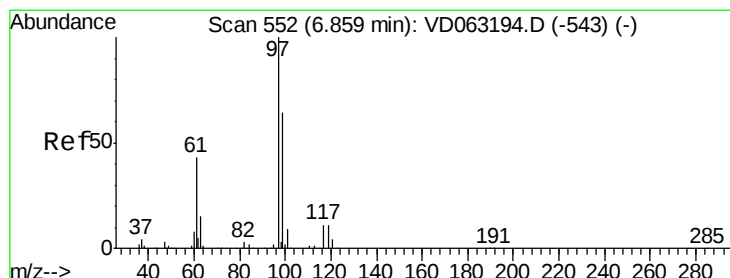
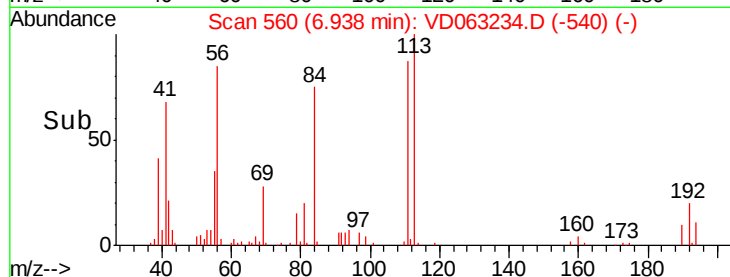
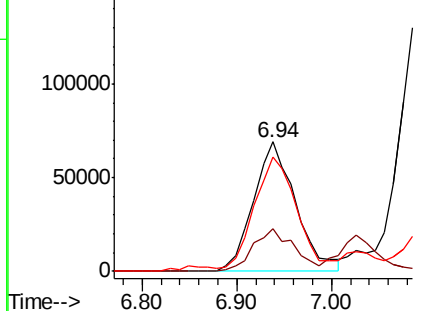
84 88.4 64.9 97.3



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 20.065 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

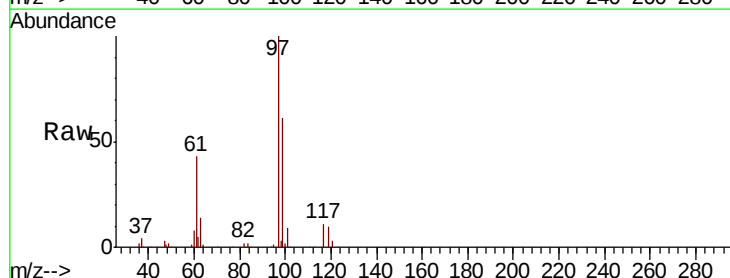
Tgt Ion: 97 Resp: 407972

Ion Ratio Lower Upper

97 100

99 60.9 51.2 76.8

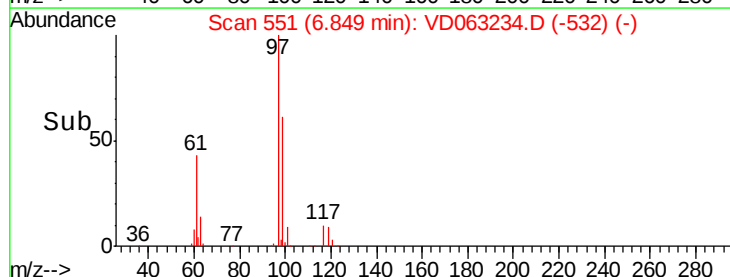
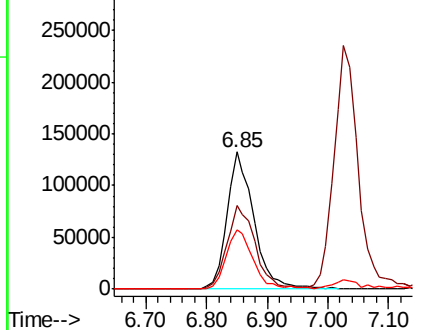
61 43.4 34.2 51.2

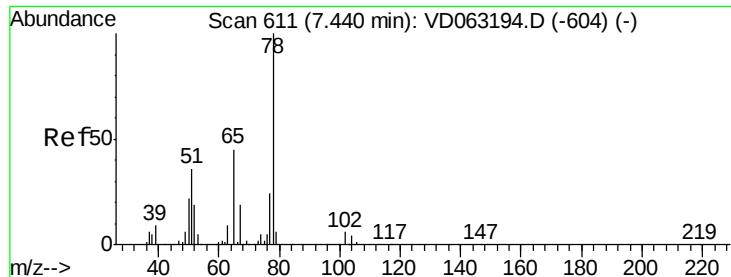


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

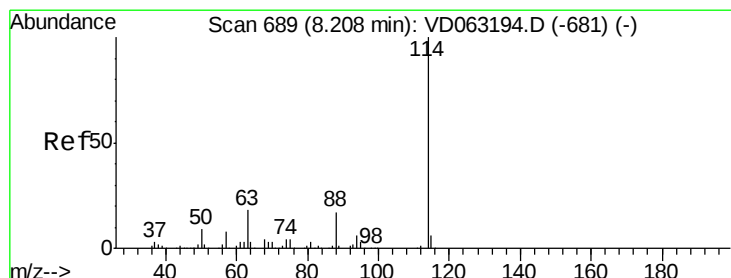
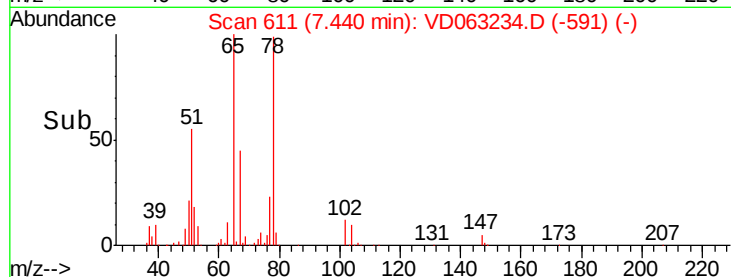
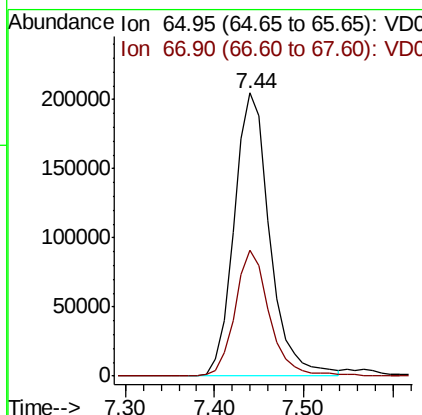
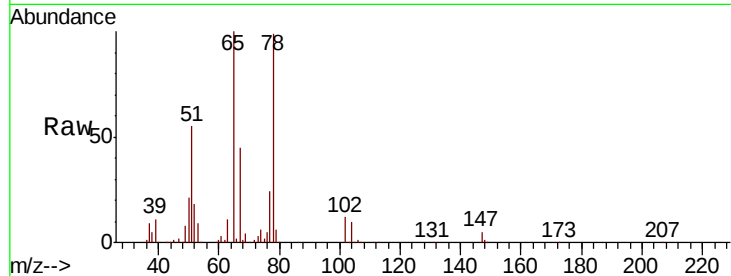




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.872 ug/l  
 RT: 7.44 min Scan# 611  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

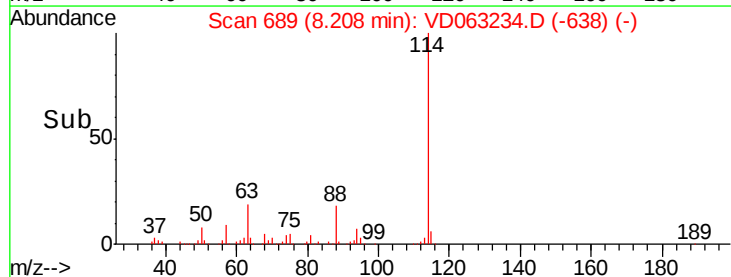
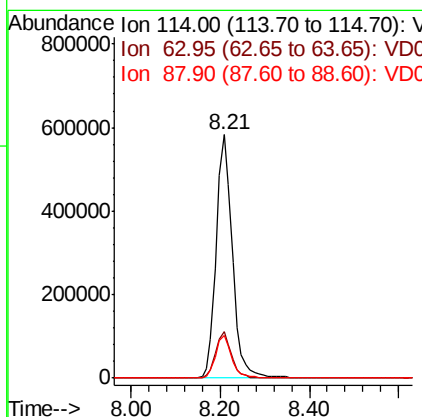
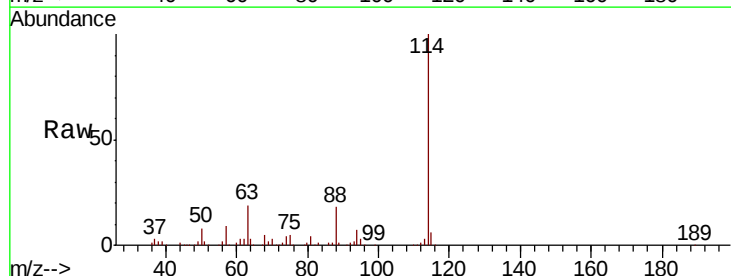
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0730SBSD01

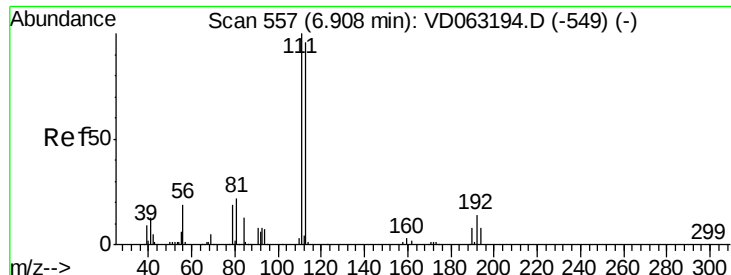
Tot Ion: 65 Resp: 570585  
 Ion Ratio Lower Upper  
 65 100  
 67 44.7 0.0 85.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.21 min Scan# 689  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

Tgt Ion: 114 Resp: 1463100  
 Ion Ratio Lower Upper  
 114 100  
 63 18.9 0.0 35.2  
 88 17.6 0.0 34.6

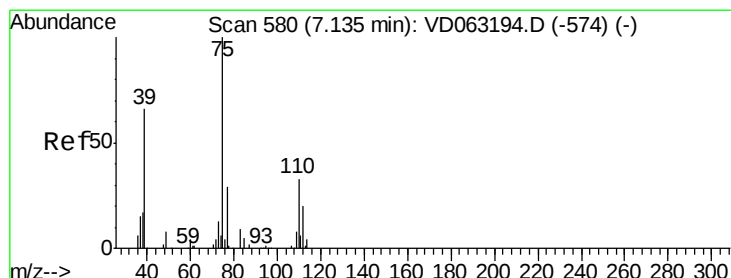
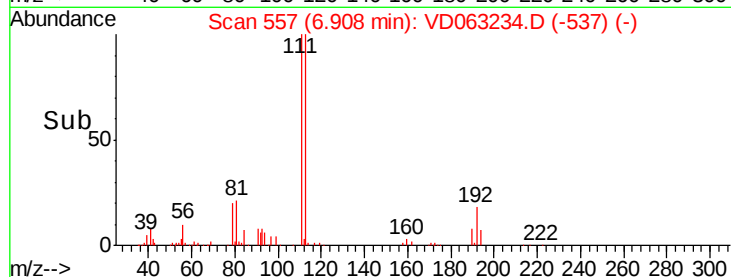
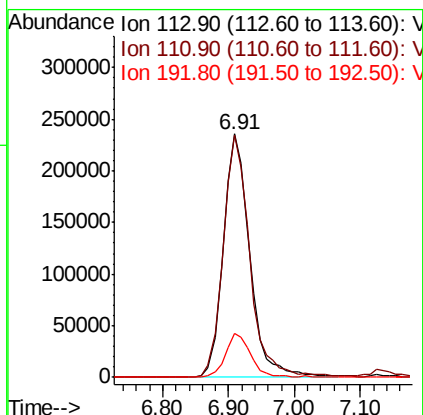
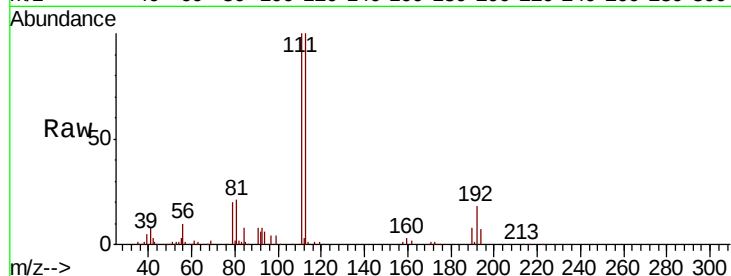




#35  
 Dibromofluoromethane  
 Concen: 53.191 ug/l  
 RT: 6.91 min Scan# 557  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

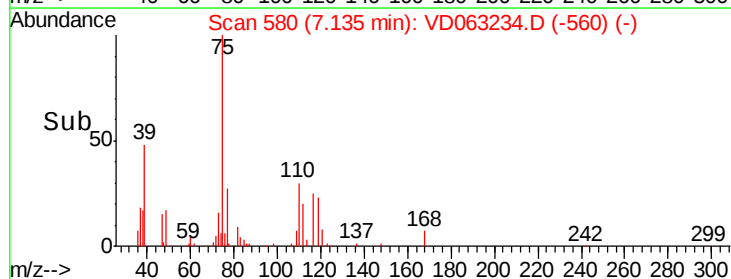
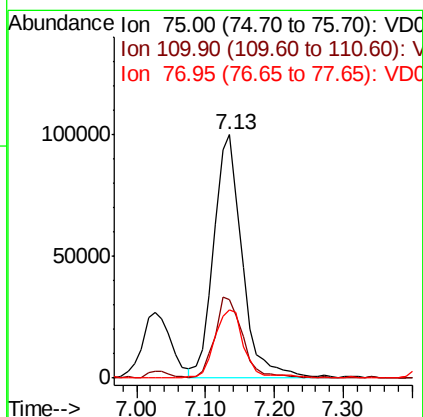
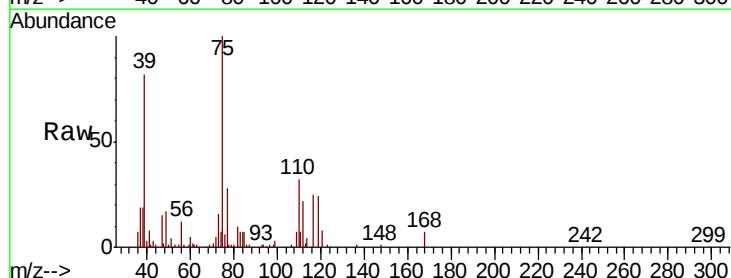
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0730SBSD01

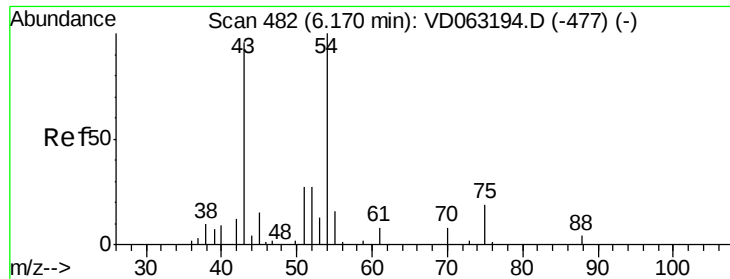
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 99.6  | 83.2  | 124.8 |
| 192     | 17.9  | 11.8  | 17.8# |



#36  
 1,1-Dichloropropene  
 Concen: 21.539 ug/l  
 RT: 7.13 min Scan# 580  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 32.1  | 16.1  | 48.2  |
| 77      | 28.1  | 22.7  | 34.1  |

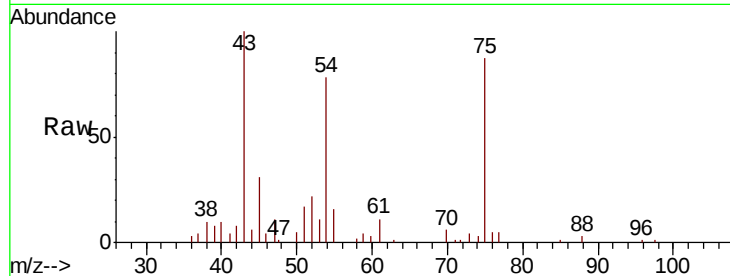




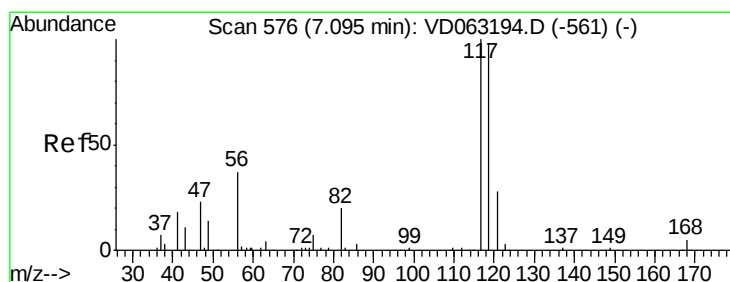
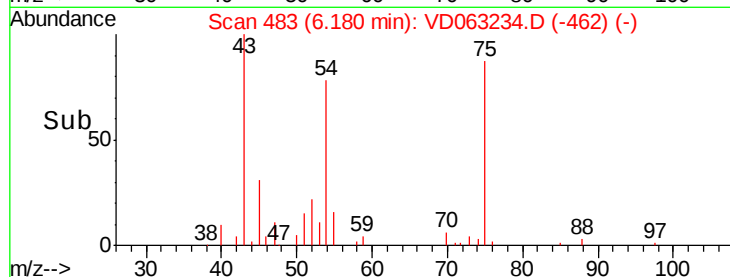
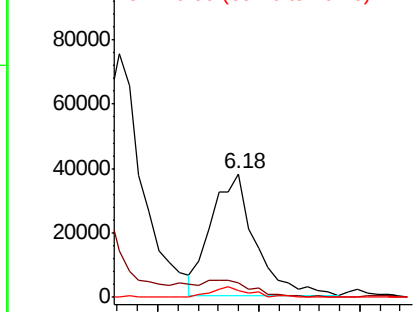
#37  
Ethyl Acetate  
Concen: 18.948 ug/l  
RT: 6.18 min Scan# 483  
Delta R.T. 0.01 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBS01

Tot Ion: 43 Resp: 113663  
Ion Ratio Lower Upper  
43 100  
61 11.5 11.3 16.9  
70 5.7 5.1 7.7

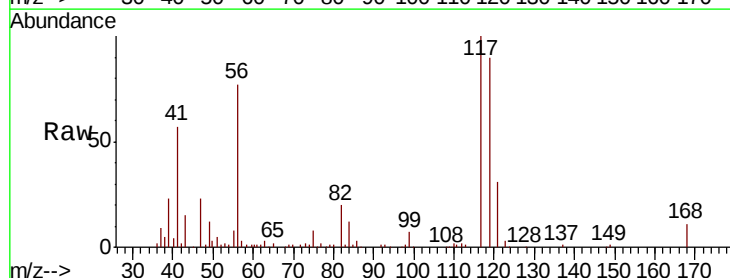


Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 70.00 (69.70 to 70.70): VDC

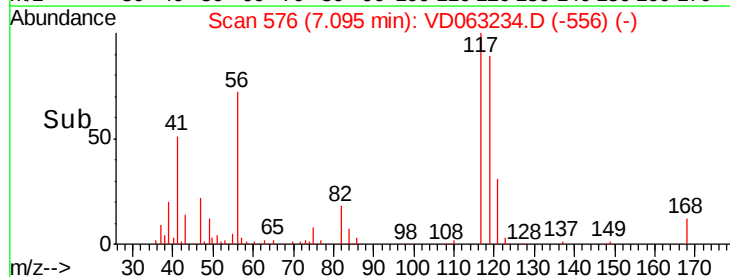
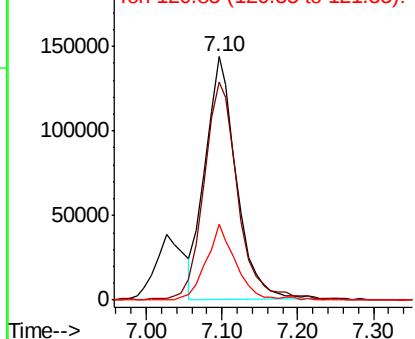


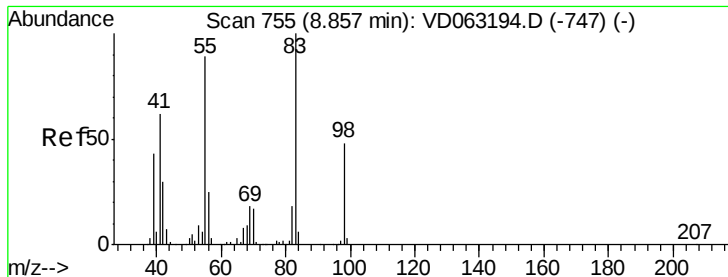
#38  
Carbon Tetrachloride  
Concen: 20.494 ug/l  
RT: 7.10 min Scan# 576  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Tgt Ion: 117 Resp: 411970  
Ion Ratio Lower Upper  
117 100  
119 89.6 78.2 117.2  
121 31.0 22.1 33.1



Abundance Ion 116.85 (116.55 to 117.55): V  
Ion 118.85 (118.55 to 119.55): V  
Ion 120.85 (120.55 to 121.55): V

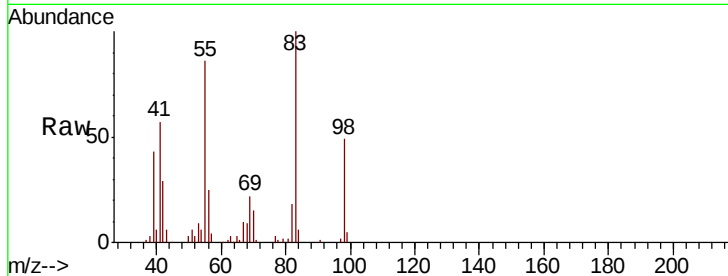




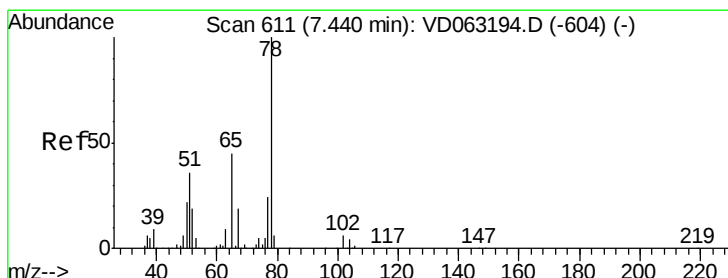
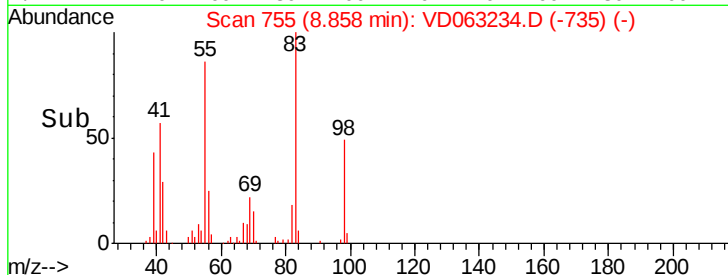
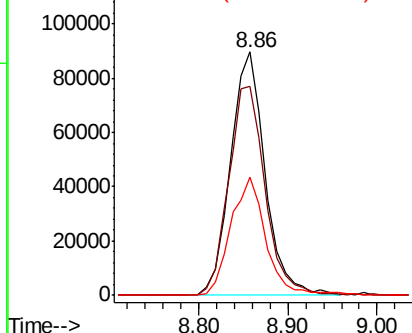
#39  
Methvlcvclohexane  
Concen: 21.726 ug/l  
RT: 8.86 min Scan# 755  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBS01

Tot Ion: 83 Resp: 241703  
Ion Ratio Lower Upper  
83 100  
55 86.1 71.1 106.7  
98 48.7 38.5 57.7

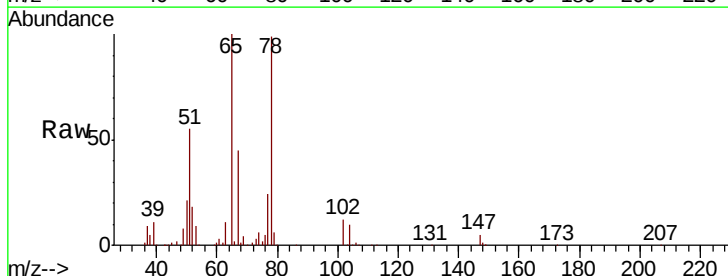


Abundance Ion 83.05 (82.75 to 83.75): VDC  
Ion 55.00 (54.70 to 55.70): VDC  
Ion 98.05 (97.75 to 98.75): VDC

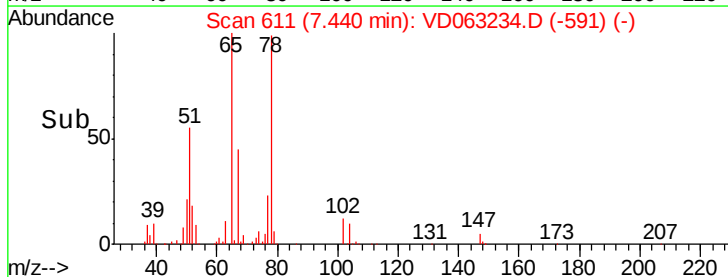
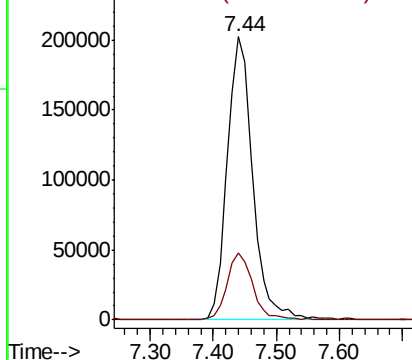


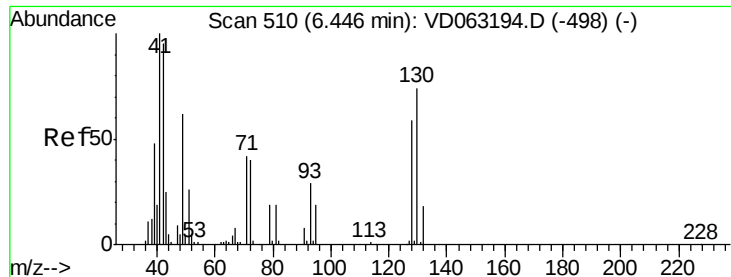
#40  
Benzene  
Concen: 20.235 ug/l  
RT: 7.44 min Scan# 611  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Tgt Ion: 78 Resp: 566269  
Ion Ratio Lower Upper  
78 100  
77 23.9 19.4 29.2



Abundance Ion 77.95 (77.65 to 78.65): VDC  
Ion 76.95 (76.65 to 77.65): VDC

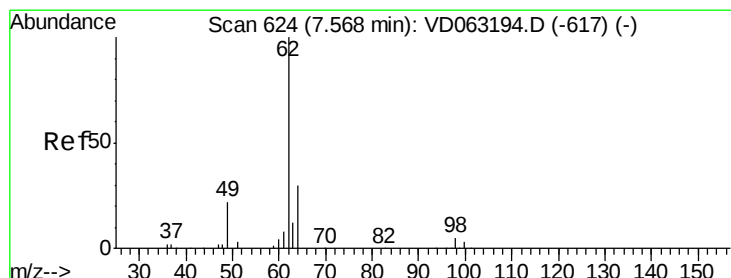
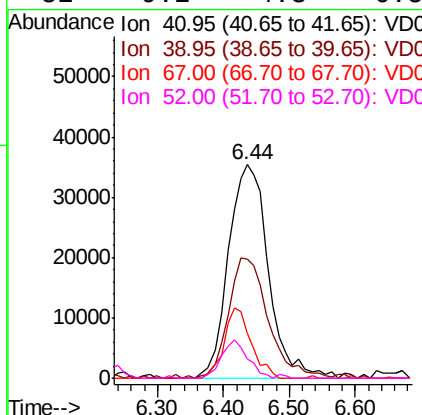
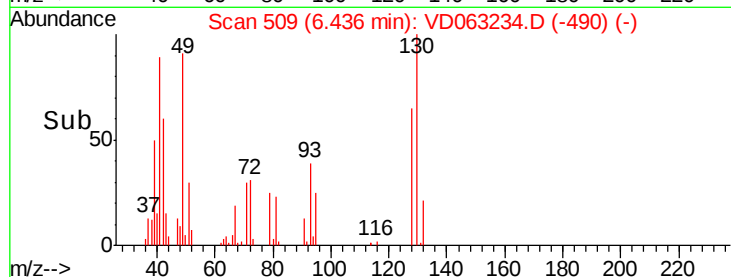
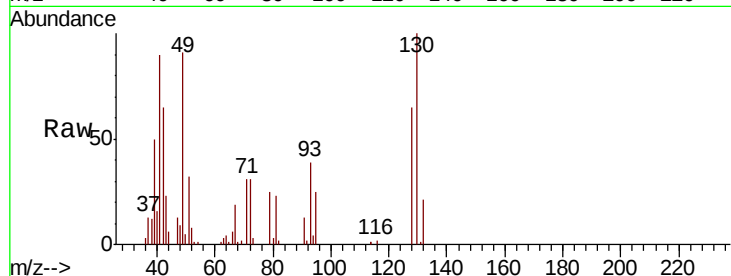




#41  
Methacrylonitrile  
Concen: 20.916 ug/l  
RT: 6.44 min Scan# 509  
Delta R.T. -0.01 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

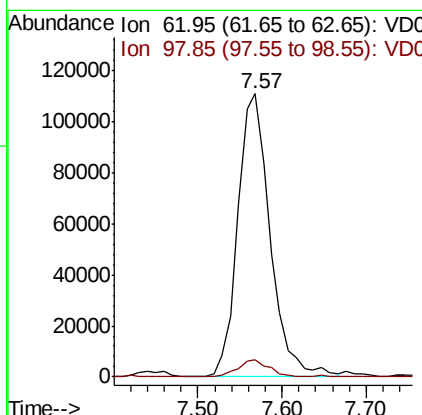
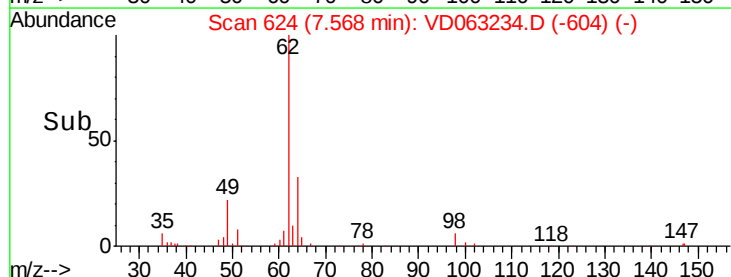
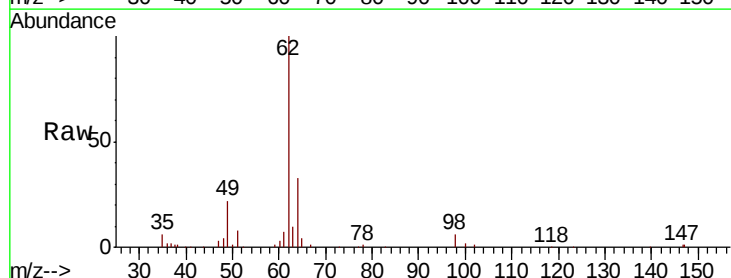
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBSD01

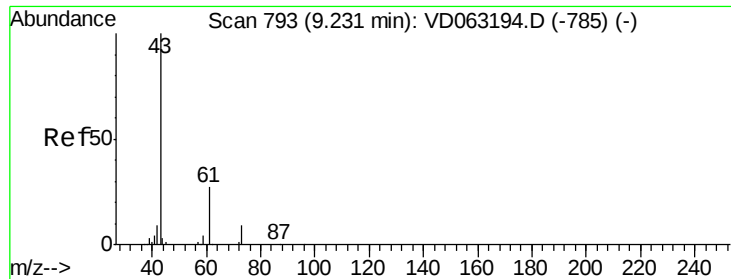
Tot Ion: 41 Resp: 150091  
Ion Ratio Lower Upper  
41 100  
39 55.7 38.4 57.6  
67 20.7 6.7 10.1#  
52 9.2 4.3 6.5#



#42  
1,2-Dichloroethane  
Concen: 20.088 ug/l  
RT: 7.57 min Scan# 624  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Tgt Ion: 62 Resp: 297935  
Ion Ratio Lower Upper  
62 100  
98 5.9 0.0 9.8



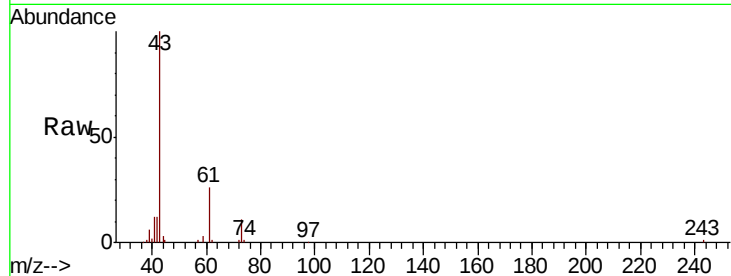


#43

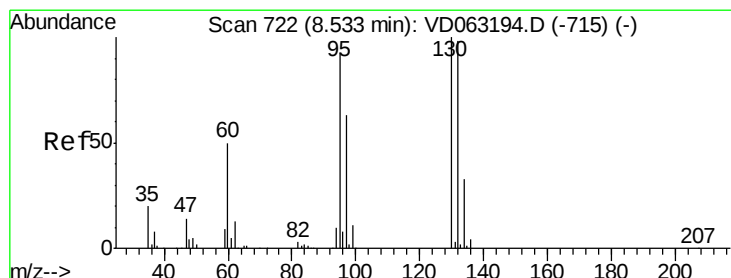
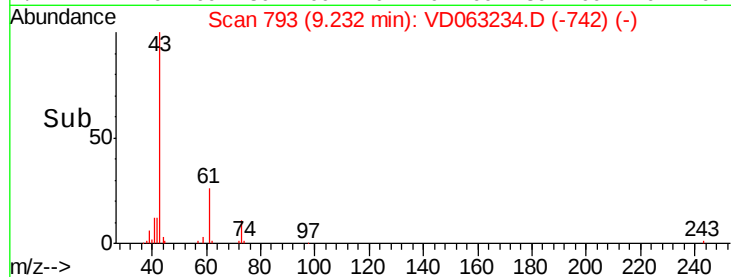
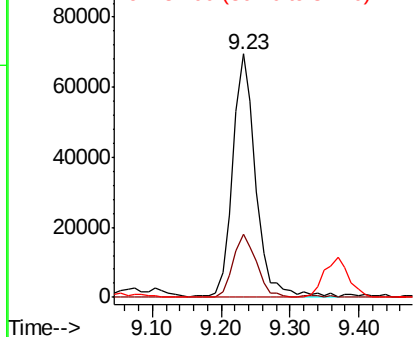
Isopropyl Acetate  
 Concen: 21.029 ug/l  
 RT: 9.23 min Scan# 793  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0730SBSD01

Tot Ion: 43 Resp: 161140  
 Ion Ratio Lower Upper  
 43 100  
 61 25.7 21.4 32.0  
 87 0.0 0.2 0.4#



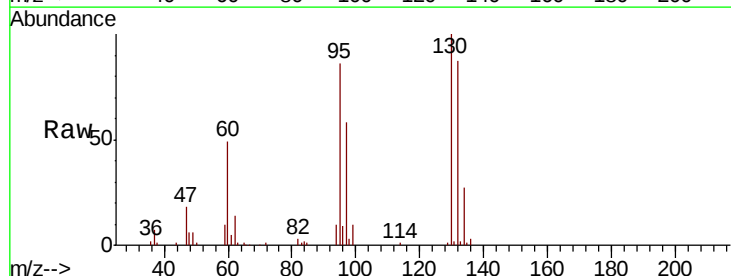
Abundance Ion 42.95 (42.65 to 43.65): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 87.00 (86.70 to 87.70): VDC



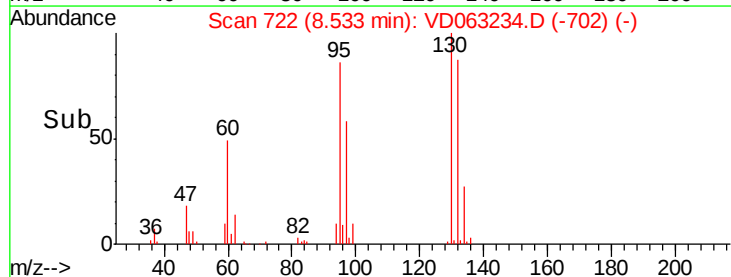
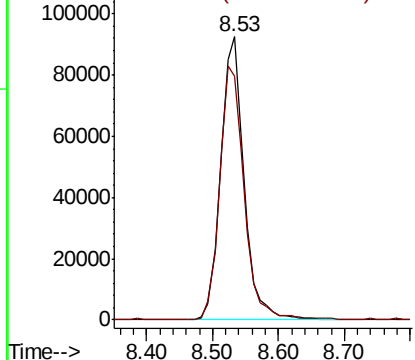
#44

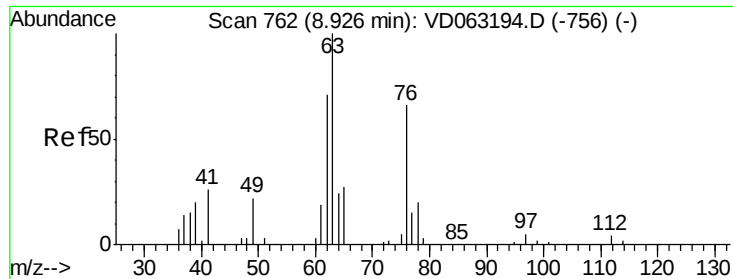
Trichloroethene  
 Concen: 20.114 ug/l  
 RT: 8.53 min Scan# 722  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

Tgt Ion: 130 Resp: 228089  
 Ion Ratio Lower Upper  
 130 100  
 95 86.3 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 19.226 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

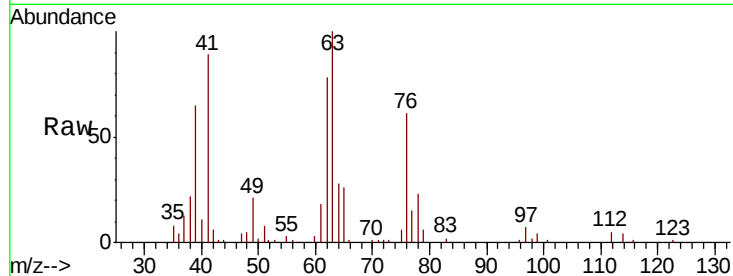
VD0730SBS01

Tot Ion: 63 Resp: 136755

Ion Ratio Lower Upper

63 100

65 25.9 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

60000

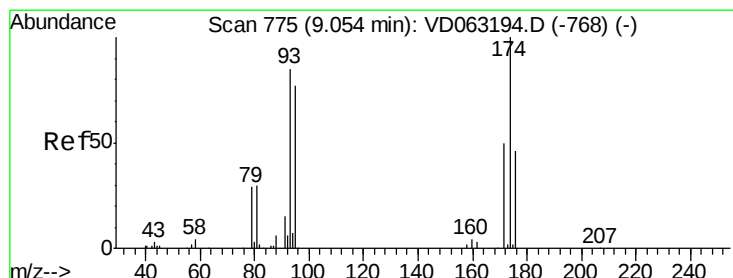
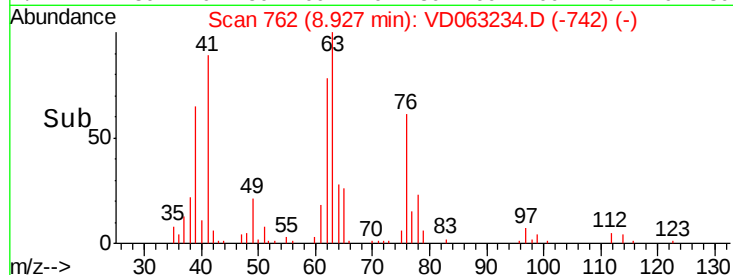
40000

20000

0

8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 20.902 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

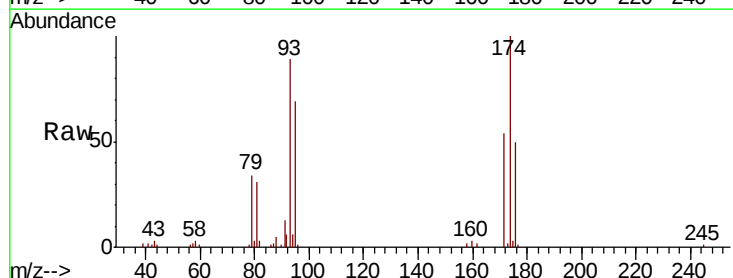
Tgt Ion: 93 Resp: 123623

Ion Ratio Lower Upper

93 100

95 76.6 72.8 109.2

174 111.7 94.4 141.6



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

80000

60000

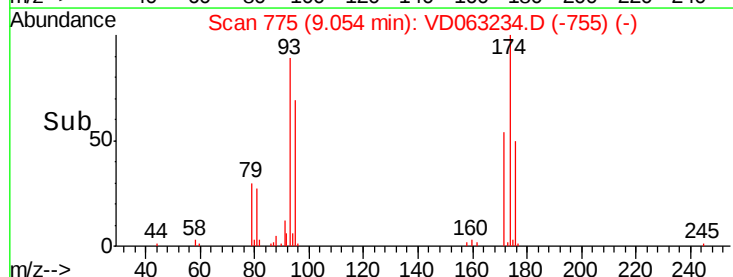
40000

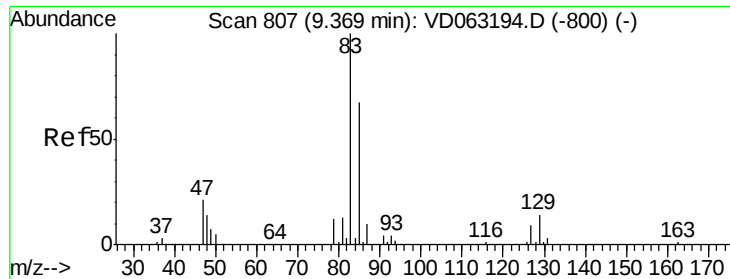
20000

0

8.90 9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 20.118 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

VD0730SBSD01

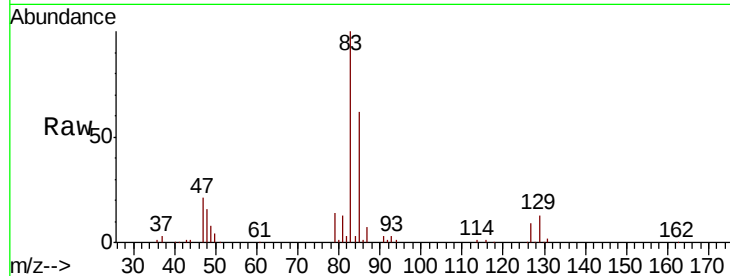
Tot Ion: 83 Resp: 303302

Ion Ratio Lower Upper

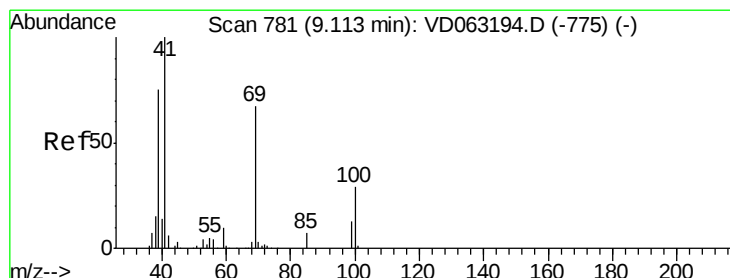
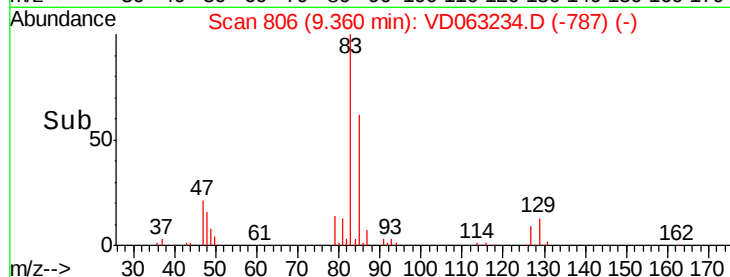
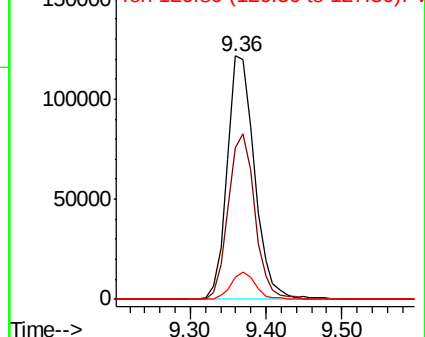
83 100

85 62.2 53.6 80.4

127 8.9 7.2 10.8



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: 21.450 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

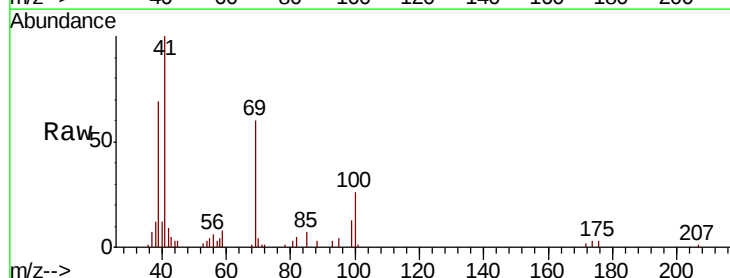
Tgt Ion: 41 Resp: 106605

Ion Ratio Lower Upper

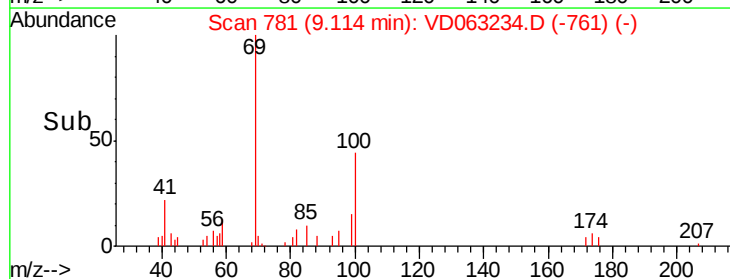
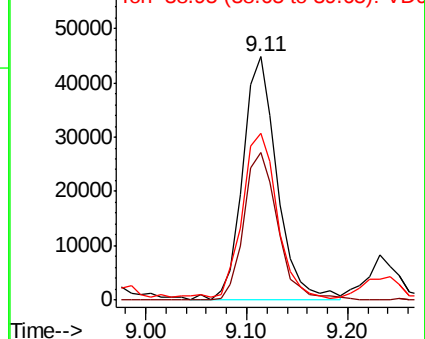
41 100

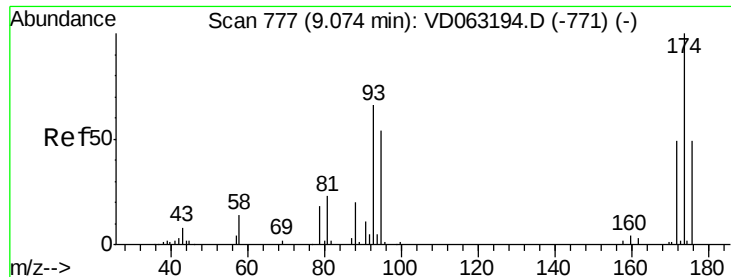
69 60.5 53.4 80.0

39 68.7 60.3 90.5



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

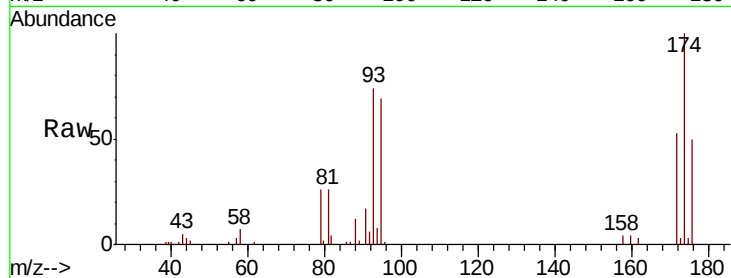




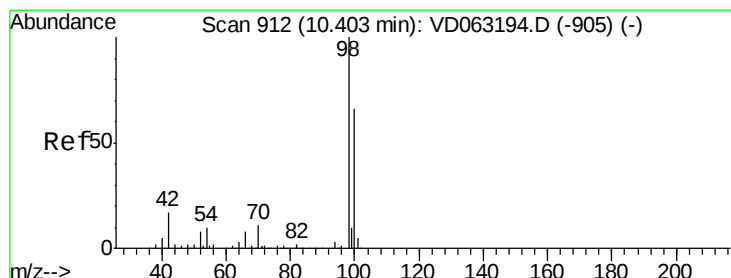
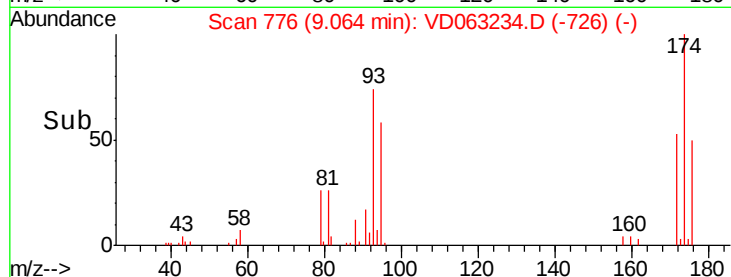
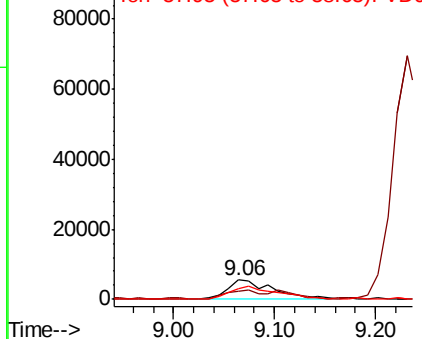
#49  
 1,4-Dioxane  
 Concen: 413.142 ug/l  
 RT: 9.06 min Scan# 776  
 Delta R.T. -0.01 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0730SBSD01

Tot Ion: 88 Resp: 17495  
 Ion Ratio Lower Upper  
 88 100  
 43 43.0 30.7 46.1  
 58 54.9 56.5 84.7#

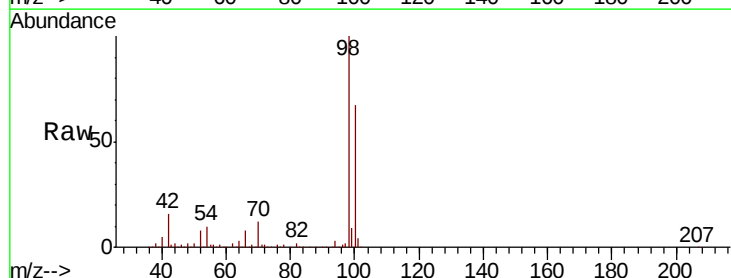


Abundance Ion 88.00 (87.70 to 88.70): VDC  
 Ion 43.05 (42.75 to 43.75): VDC  
 Ion 57.95 (57.65 to 58.65): VDC

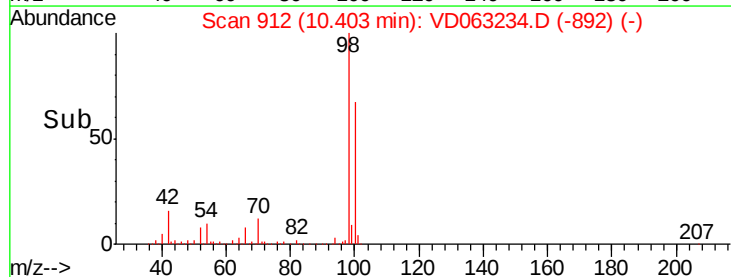
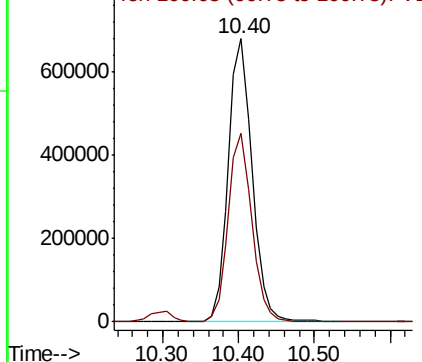


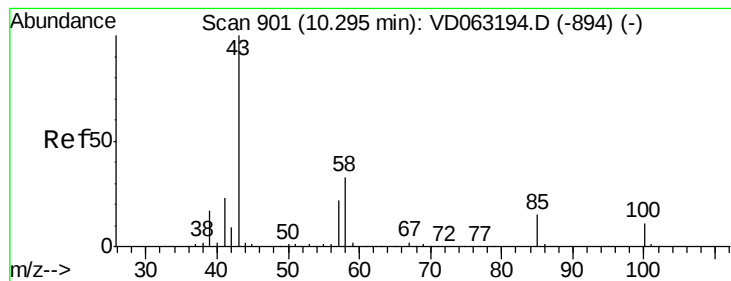
#50  
 Toluene-d8  
 Concen: 53.039 ug/l  
 RT: 10.40 min Scan# 912  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

Tgt Ion: 98 Resp: 1482783  
 Ion Ratio Lower Upper  
 98 100  
 100 66.9 53.2 79.8



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: 99.782 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

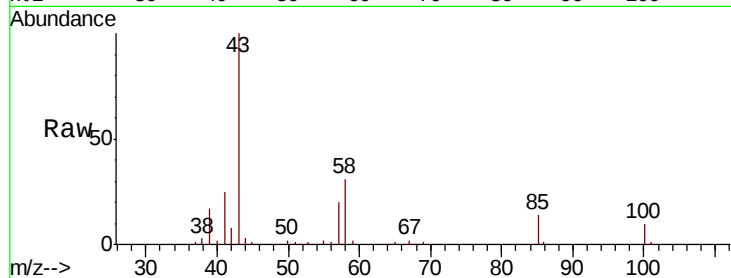
VD0730SBS01

Tot Ion: 43 Resp: 520002

Ion Ratio Lower Upper

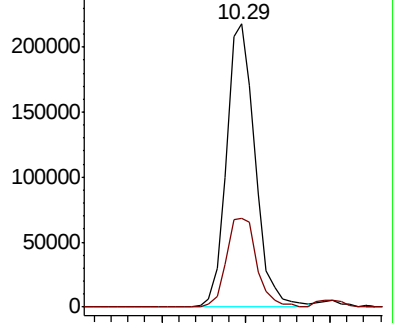
43 100

58 31.5 26.2 39.2

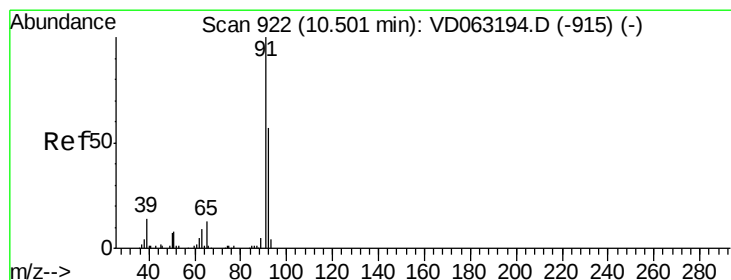
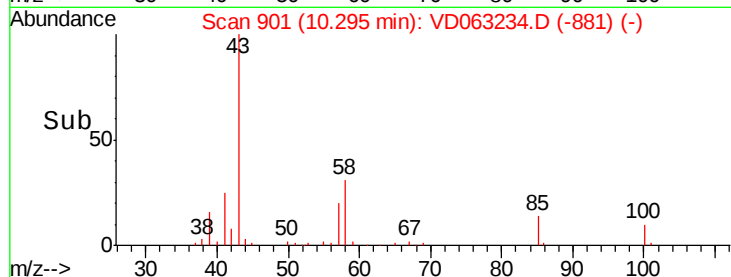


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 20.070 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063234.D

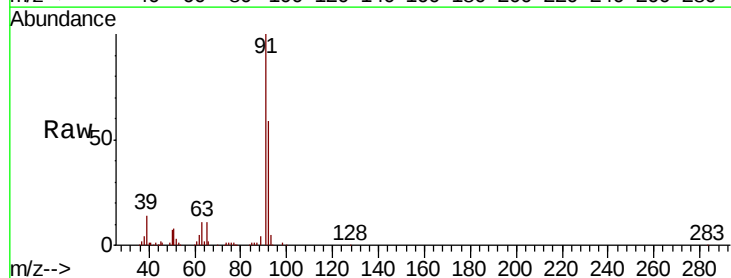
Acq: 30 Jul 2019 11:49

Tgt Ion: 92 Resp: 373556

Ion Ratio Lower Upper

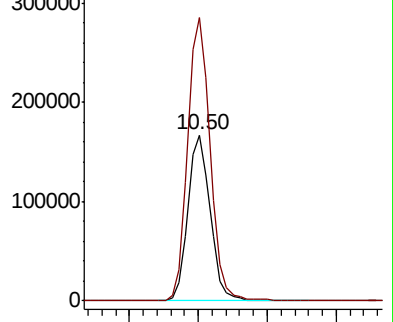
92 100

91 170.9 140.8 211.2

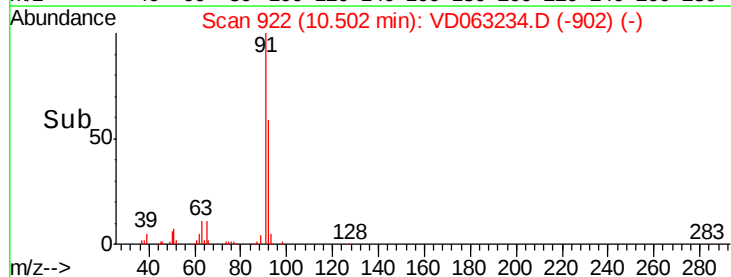


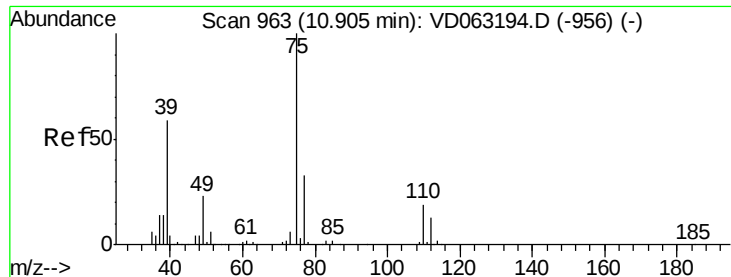
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->

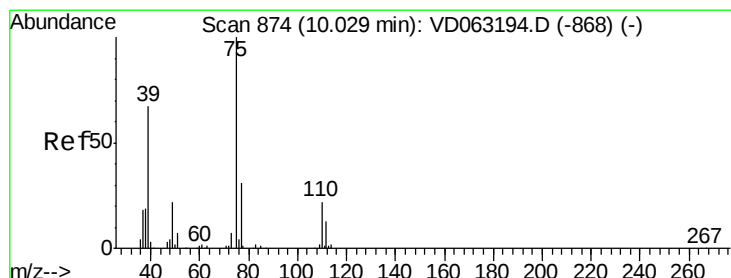
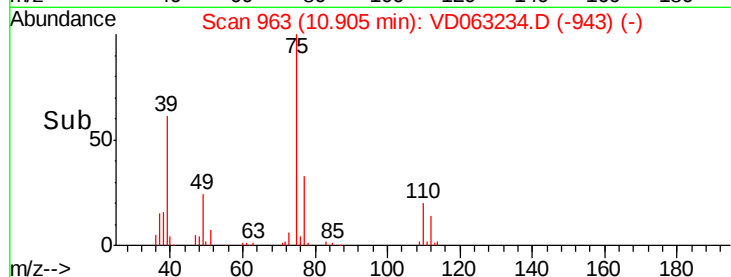
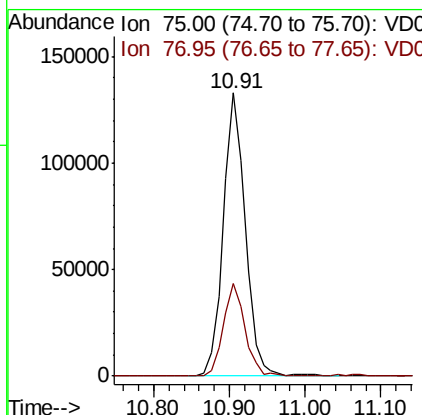
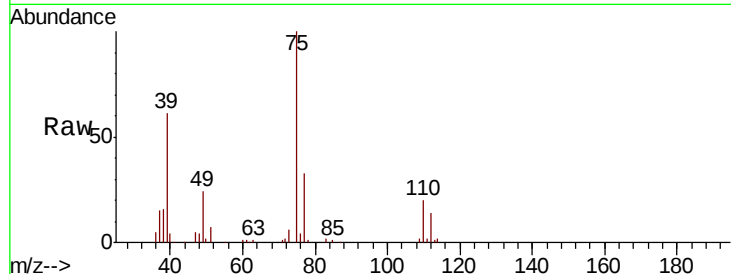




#53  
 t-1,3-Dichloropropene  
 Concen: 20.571 ug/l  
 RT: 10.91 min Scan# 963  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

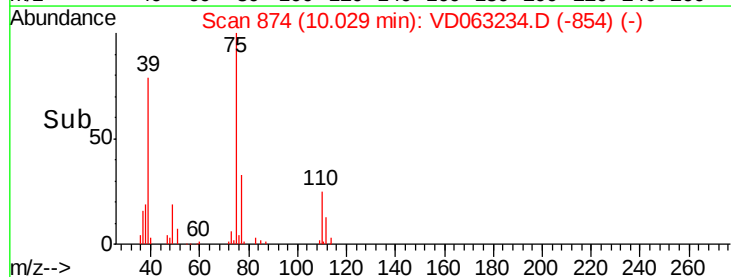
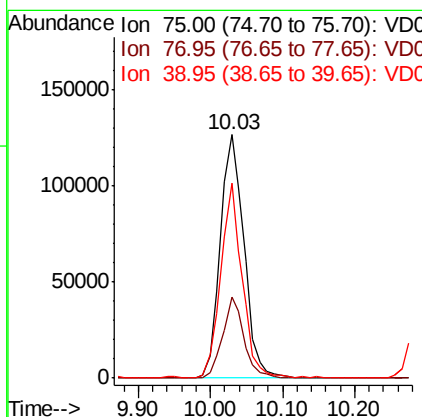
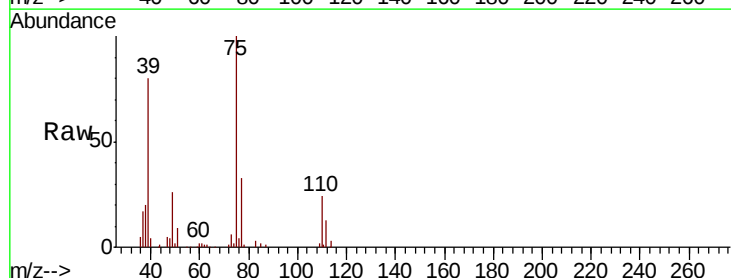
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0730SBS01

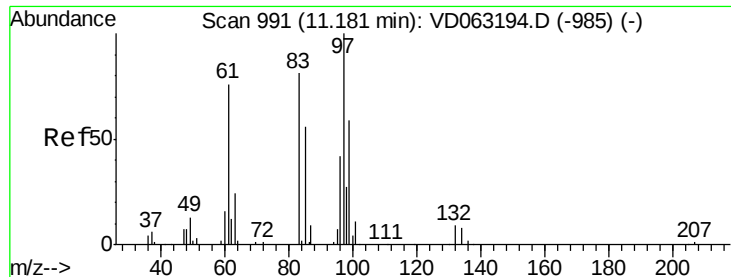
Tot Ion: 75 Resp: 267383  
 Ion Ratio Lower Upper  
 75 100  
 77 32.9 26.6 40.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 20.986 ug/l  
 RT: 10.03 min Scan# 874  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

Tgt Ion: 75 Resp: 286680  
 Ion Ratio Lower Upper  
 75 100  
 77 33.3 24.9 37.3  
 39 80.2 53.9 80.9

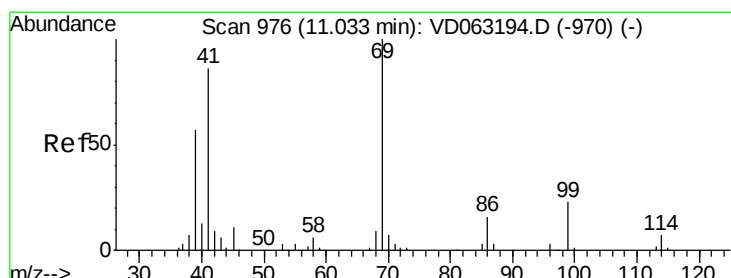
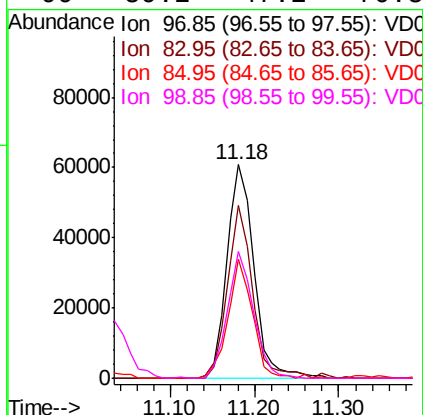
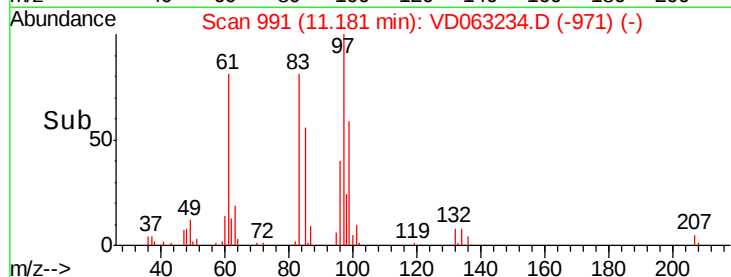
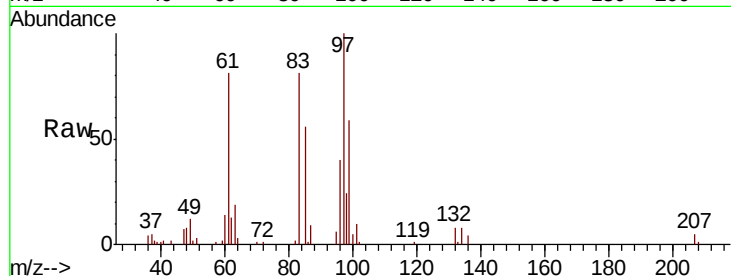




#55  
1,1,2-Trichloroethane  
Concen: 21.566 ug/l  
RT: 11.18 min Scan# 991  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

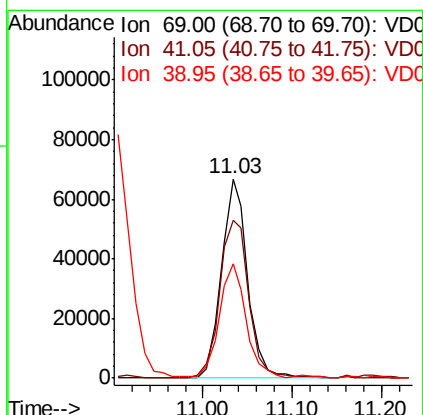
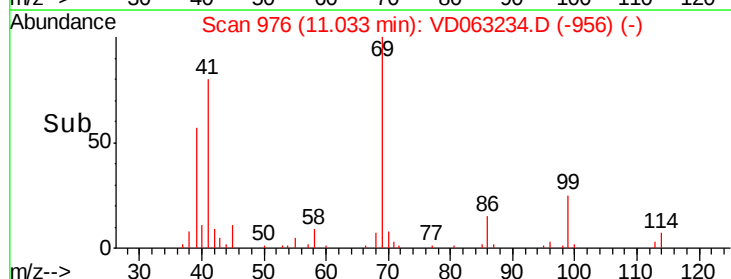
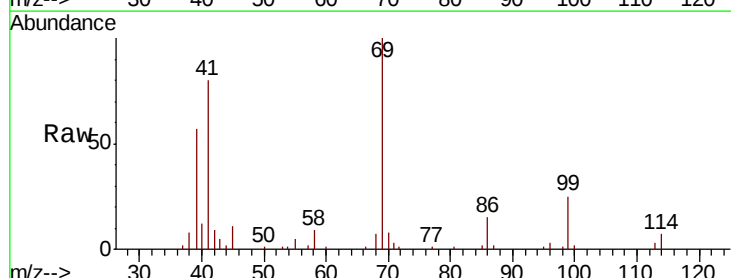
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBSD01

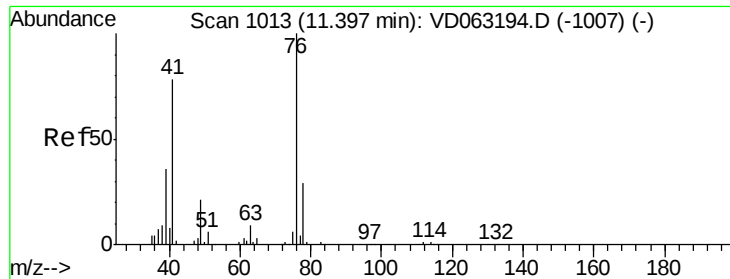
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 135568 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 81.1  | 64.8  | 97.2   |
| 85       | 55.7  | 44.9  | 67.3   |
| 99       | 59.2  | 47.2  | 70.8   |



#56  
Ethyl methacrylate  
Concen: 20.058 ug/l  
RT: 11.03 min Scan# 976  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 138070 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 79.5  | 68.8  | 103.2  |
| 39       | 57.3  | 45.8  | 68.8   |





#57

1,3-Dichloropropane

Concen: 20.059 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

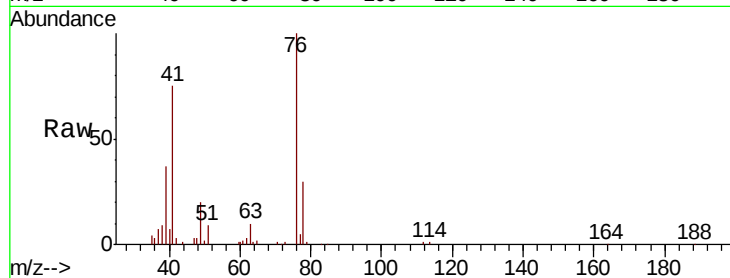
VD0730SBSD01

Tot Ion: 76 Resp: 198670

Ion Ratio Lower Upper

76 100

78 29.6 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

100000

80000

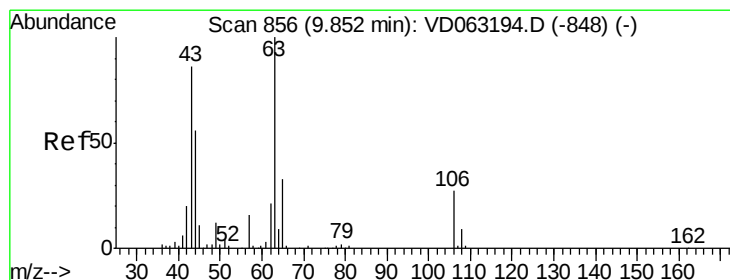
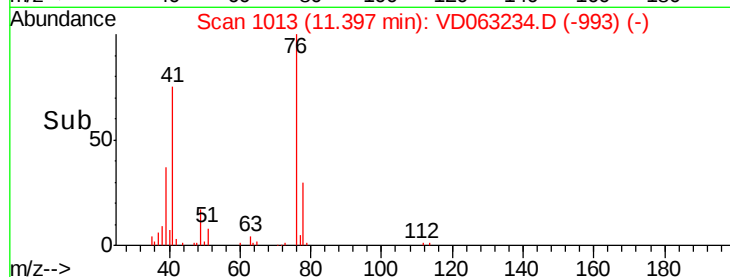
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 89.001 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD063234.D

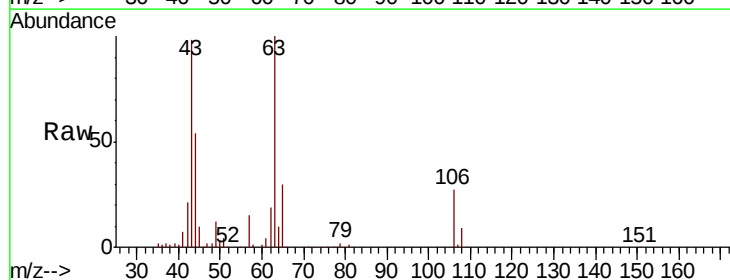
Acq: 30 Jul 2019 11:49

Tgt Ion: 63 Resp: 318779

Ion Ratio Lower Upper

63 100

106 26.9 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

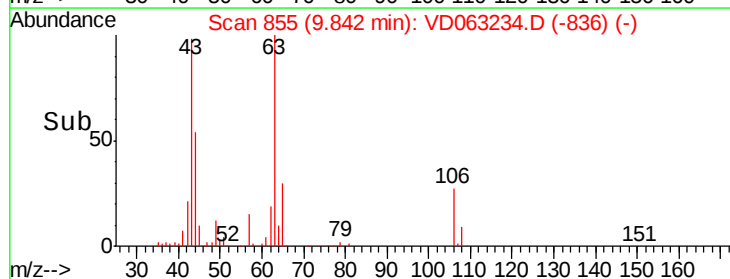
150000

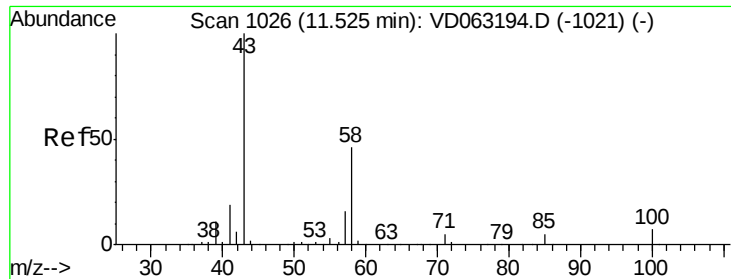
100000

50000

0

Time-->

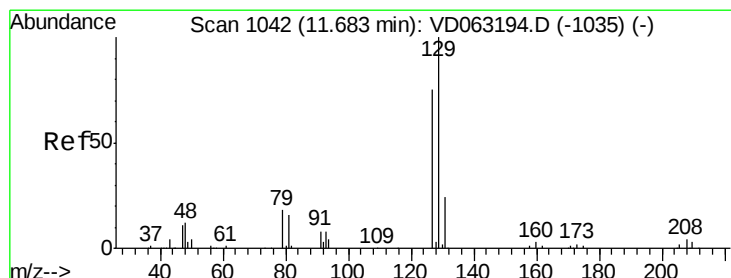
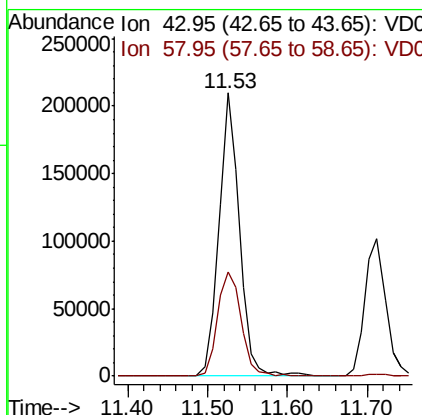
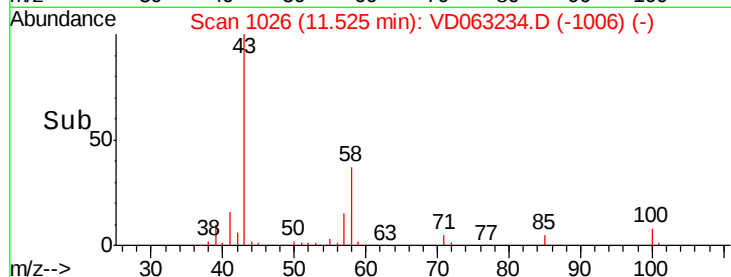
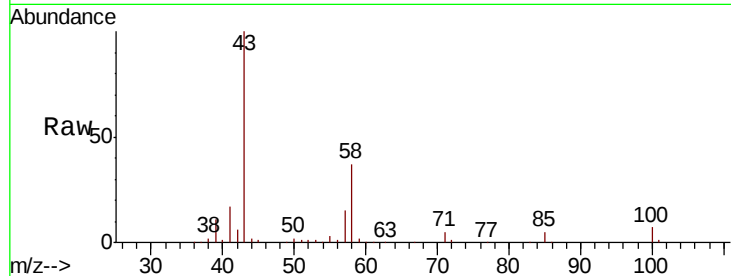




#59  
2-Hexanone  
Concen: 101.713 ug/l  
RT: 11.53 min Scan# 1026  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

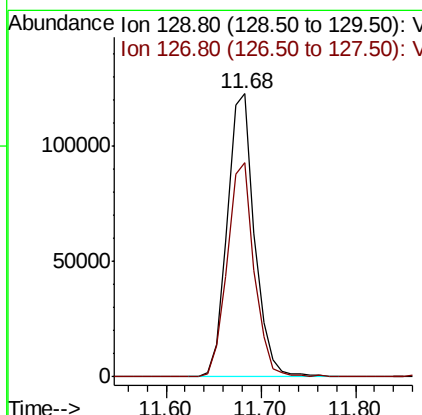
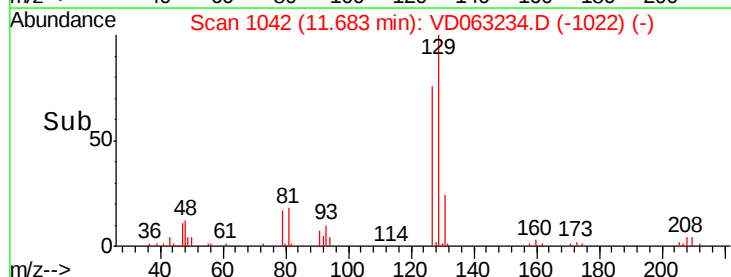
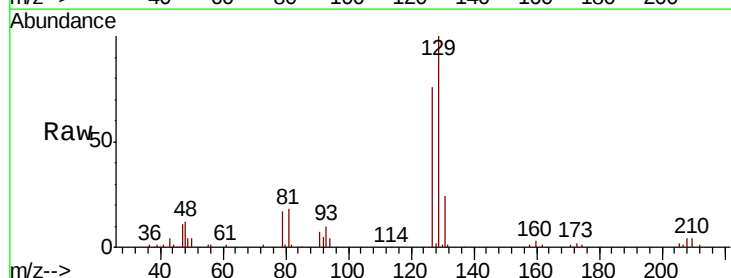
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBSD01

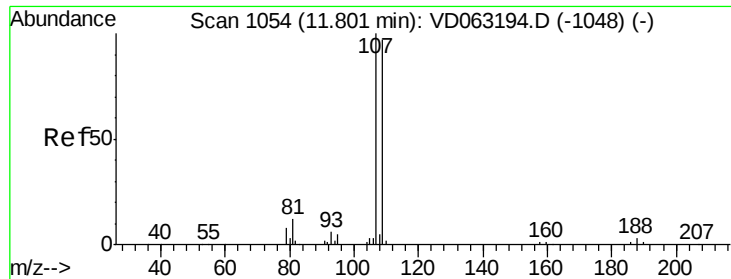
Tot Ion: 43 Resp: 381986  
Ion Ratio Lower Upper  
43 100  
58 36.6 22.9 68.5



#60  
Dibromochloromethane  
Concen: 20.601 ug/l  
RT: 11.68 min Scan# 1042  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Tgt Ion: 129 Resp: 244472  
Ion Ratio Lower Upper  
129 100  
127 75.9 37.6 112.8

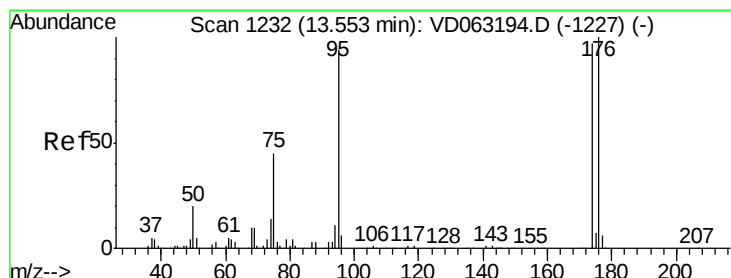
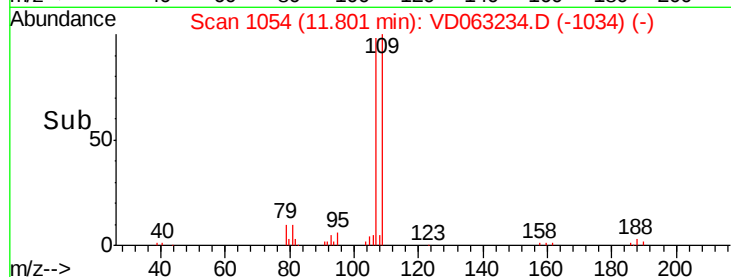
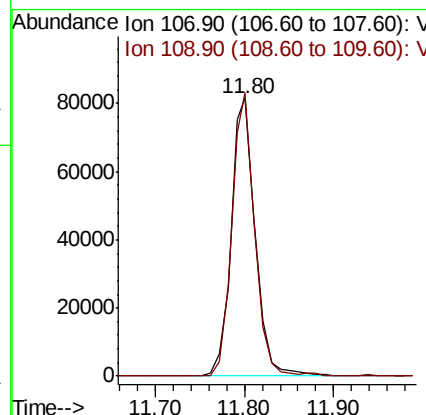
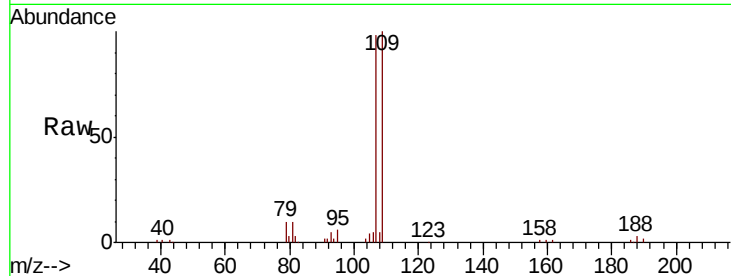




#61  
 1,2-Dibromoethane  
 Concen: 20.070 ug/l  
 RT: 11.80 min Scan# 1054  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

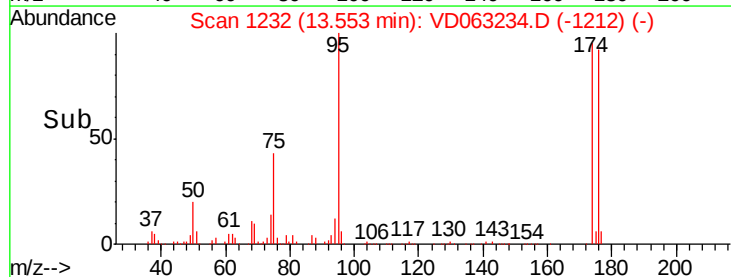
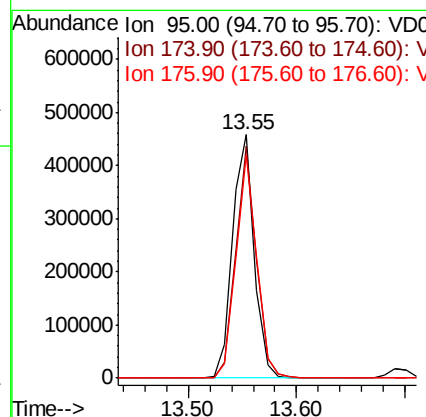
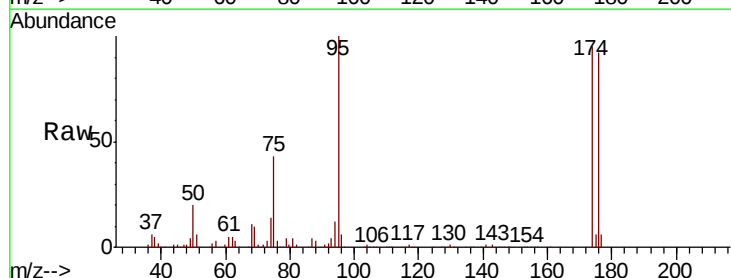
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0730SBSD01

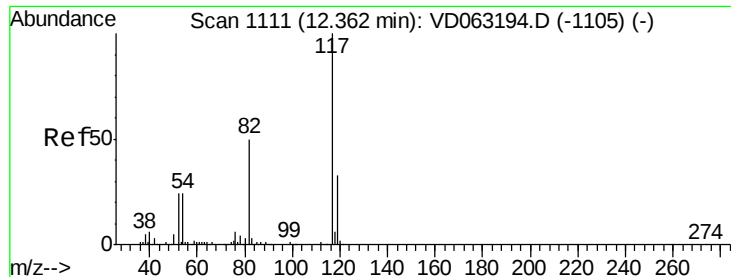
Tot Ion:107 Resp: 155676  
 Ion Ratio Lower Upper  
 107 100  
 109 101.8 77.5 116.3



#62  
 4-Bromofluorobenzene  
 Concen: 49.986 ug/l  
 RT: 13.55 min Scan# 1232  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

Tgt Ion: 95 Resp: 636805  
 Ion Ratio Lower Upper  
 95 100  
 174 95.2 0.0 205.4  
 176 91.7 0.0 211.8

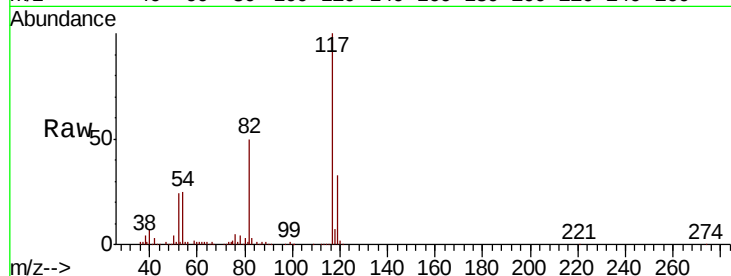




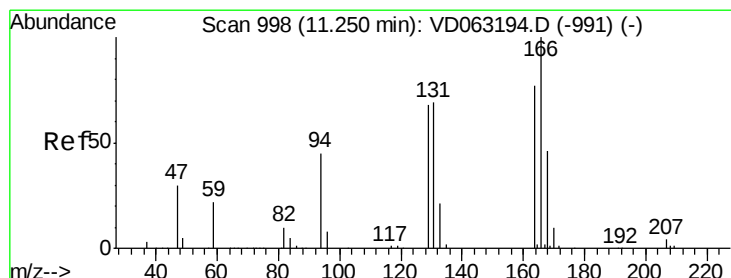
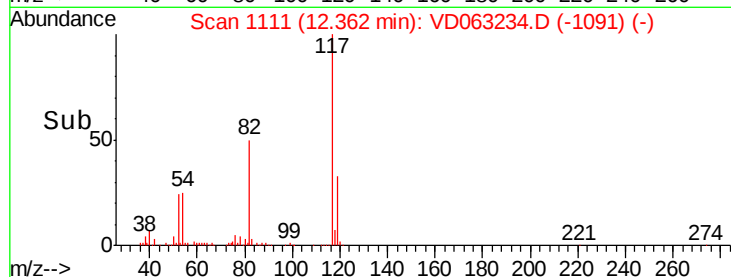
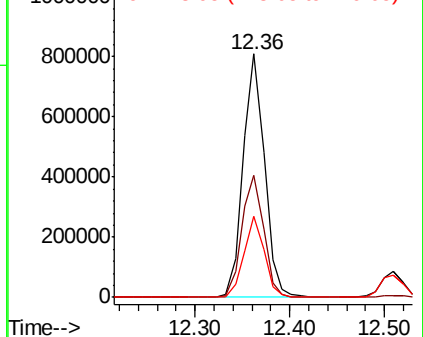
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBSD01

Tot Ion:117 Resp: 1266423  
Ion Ratio Lower Upper  
117 100  
82 50.3 40.1 60.1  
119 33.4 26.5 39.7

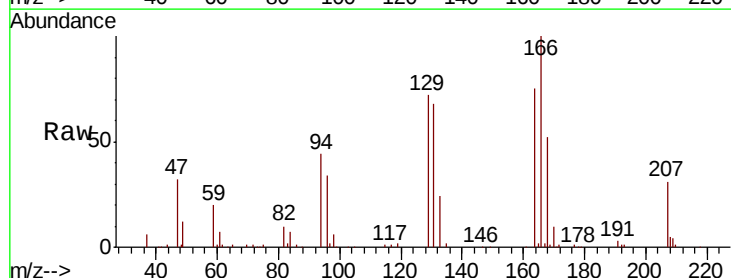


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

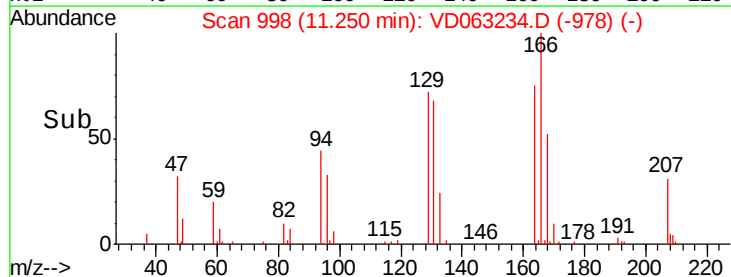
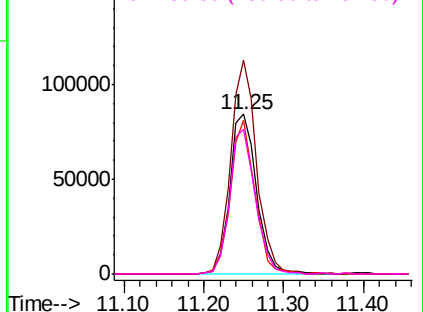


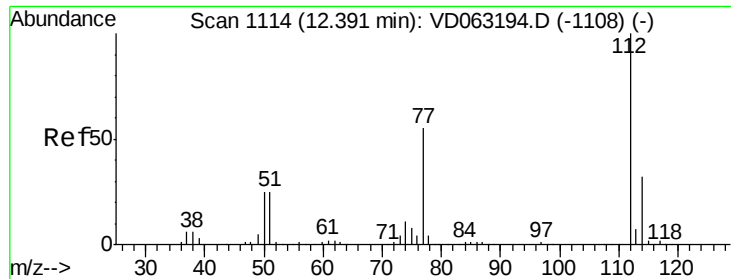
#64  
Tetrachloroethene  
Concen: 19.639 ug/l  
RT: 11.25 min Scan# 998  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Tgt Ion:164 Resp: 198136  
Ion Ratio Lower Upper  
164 100  
166 133.7 104.3 156.5  
129 96.1 70.9 106.3  
131 90.9 71.6 107.4



Abundance Ion 163.85 (163.55 to 164.55): V  
Ion 165.85 (165.55 to 166.55): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

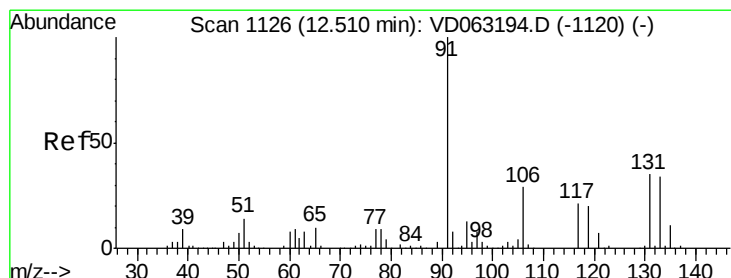
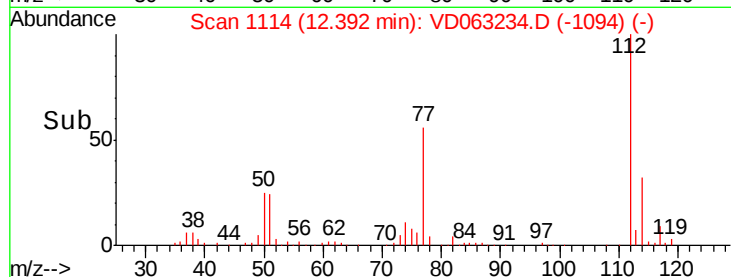
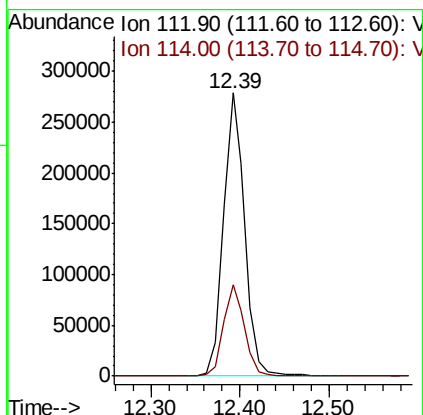
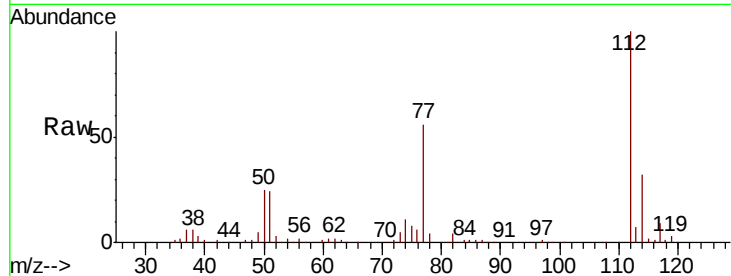




#65  
Chlorobenzene  
Concen: 19.081 ug/l  
RT: 12.39 min Scan# 1114  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

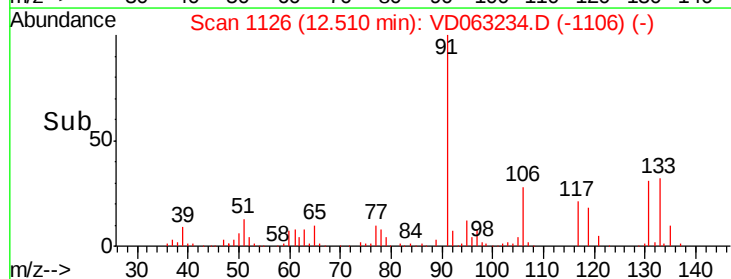
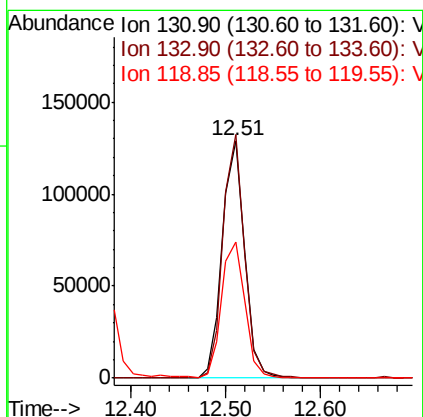
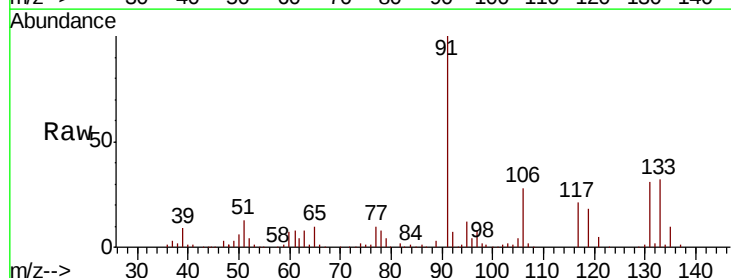
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBSD01

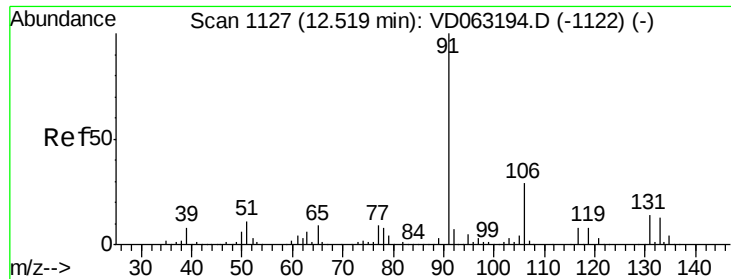
Tot Ion:112 Resp: 464803  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.8 38.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.741 ug/l  
RT: 12.51 min Scan# 1126  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Tgt Ion:131 Resp: 211816  
Ion Ratio Lower Upper  
131 100  
133 102.5 48.4 145.2  
119 57.4 29.1 87.3

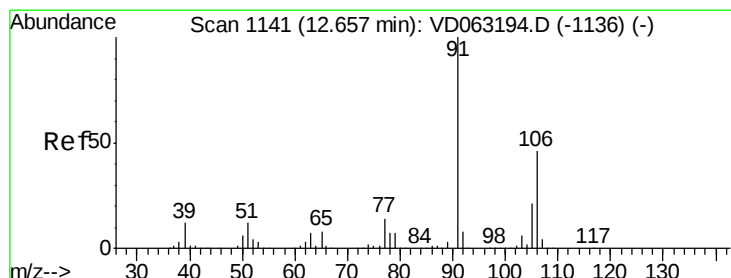
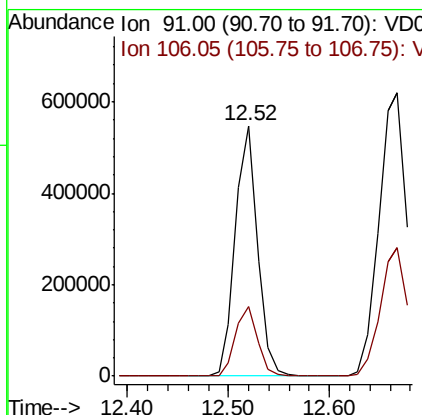
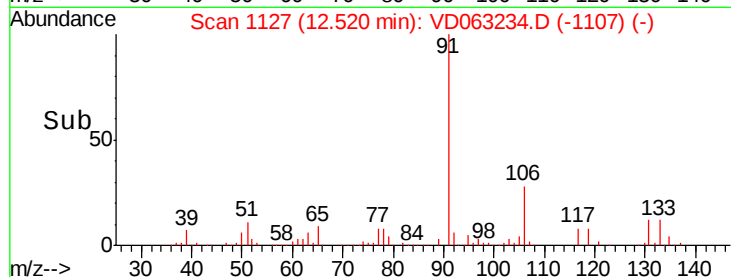
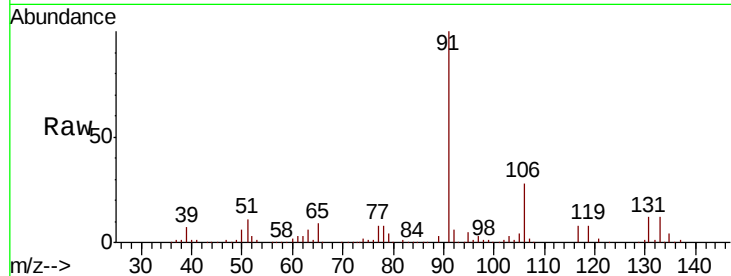




#67  
Ethyl Benzene  
Concen: 20.254 ug/l  
RT: 12.52 min Scan# 1127  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

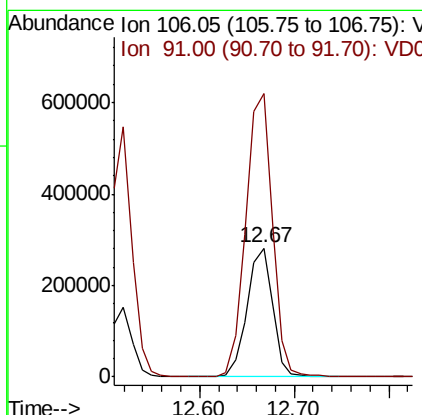
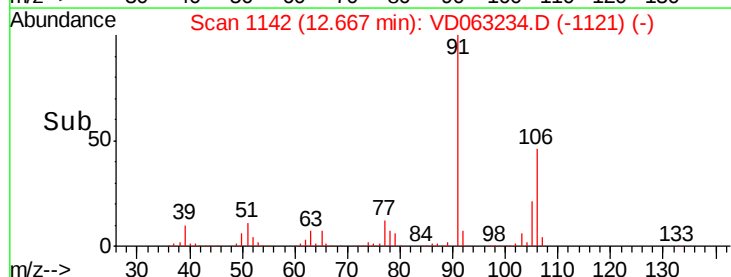
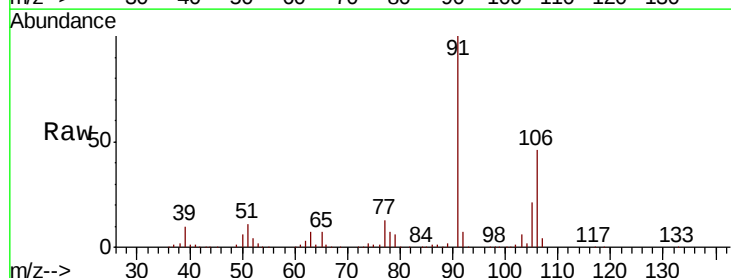
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBS01

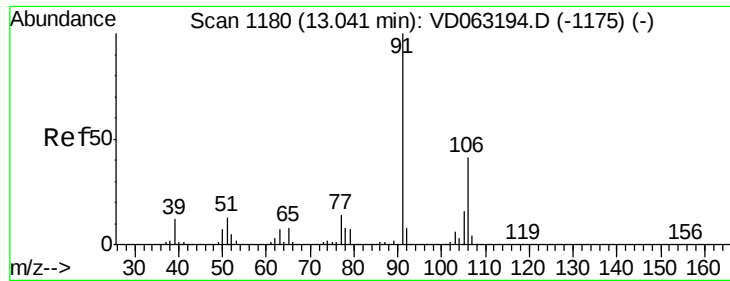
Tot Ion: 91 Resp: 838104  
Ion Ratio Lower Upper  
91 100  
106 28.0 22.9 34.3



#68  
m/p-Xylenes  
Concen: 34.874 ug/l  
RT: 12.67 min Scan# 1142  
Delta R.T. 0.01 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Tgt Ion: 106 Resp: 529237  
Ion Ratio Lower Upper  
106 100  
91 219.7 172.6 259.0

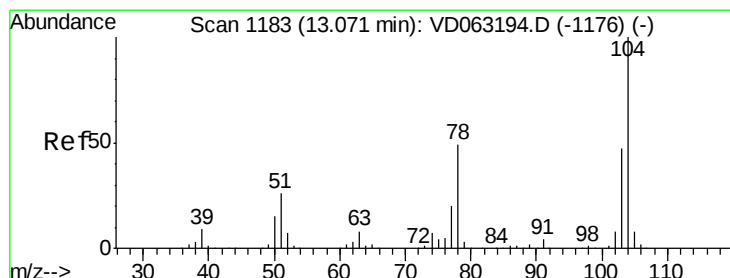
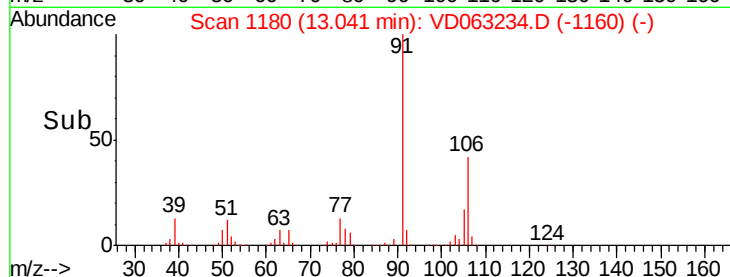
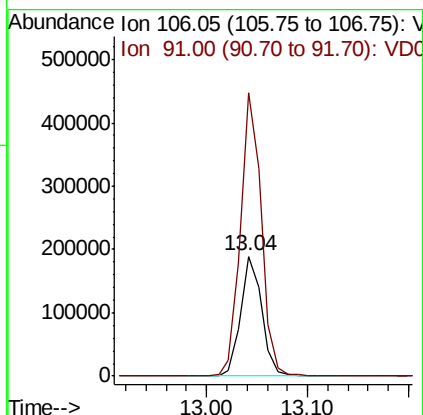
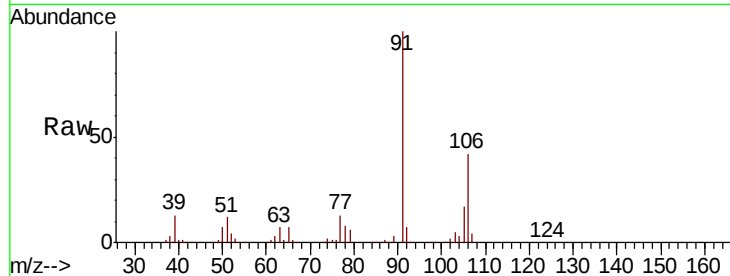




#69  
o-Xylene  
Concen: 19.728 ug/l  
RT: 13.04 min Scan# 1180  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

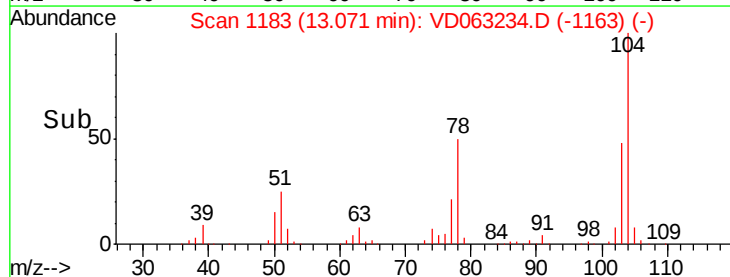
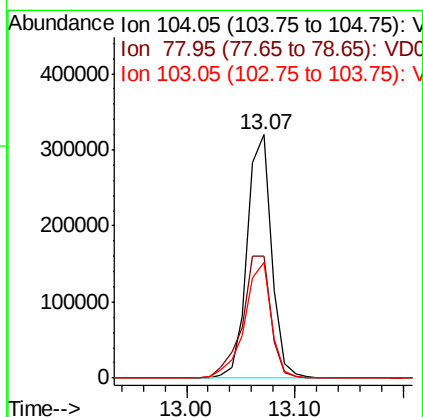
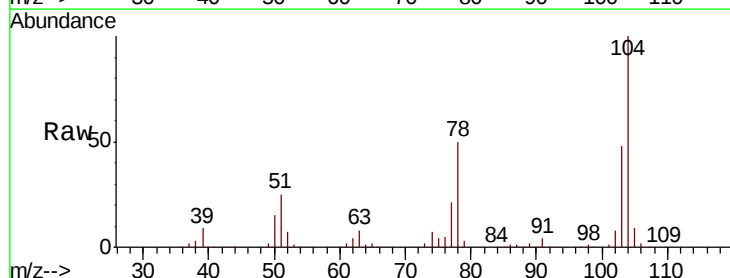
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBSD01

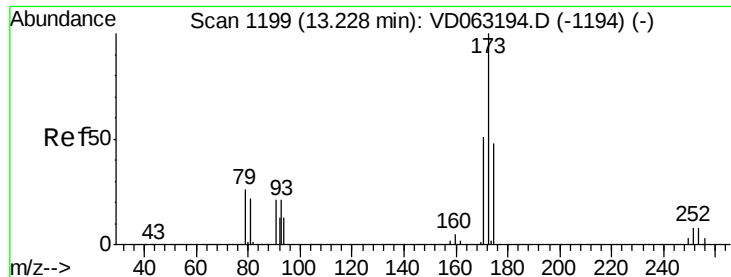
Tot Ion:106 Resp: 274931  
Ion Ratio Lower Upper  
106 100  
91 235.9 121.3 363.9



#70  
Styrene  
Concen: 20.210 ug/l  
RT: 13.07 min Scan# 1183  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Tgt Ion:104 Resp: 499472  
Ion Ratio Lower Upper  
104 100  
78 49.9 39.4 59.0  
103 47.5 37.4 56.2





#71

Bromoform

Concen: 17.906 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

VD0730SBS01

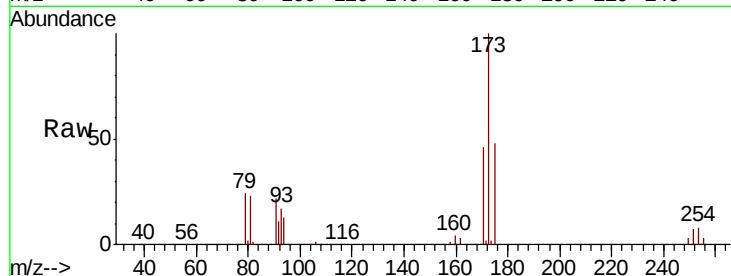
Tot Ion:173 Resp: 139723

Ion Ratio Lower Upper

173 100

175 47.9 23.8 71.5

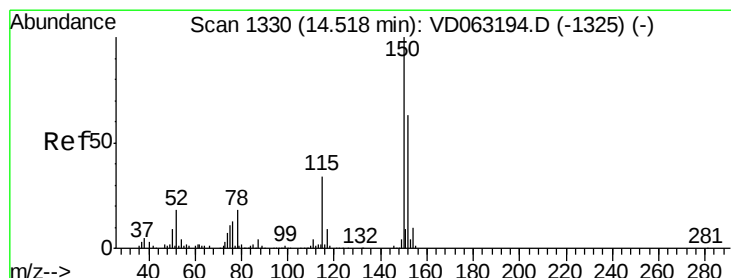
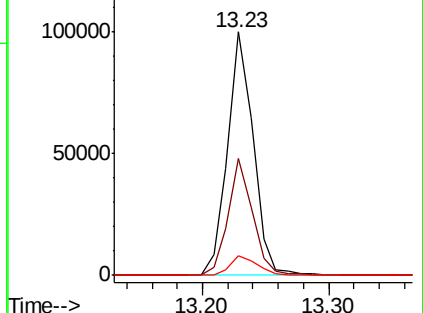
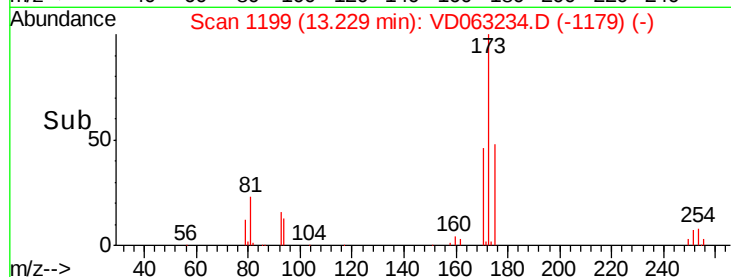
254 8.0 6.6 10.0



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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

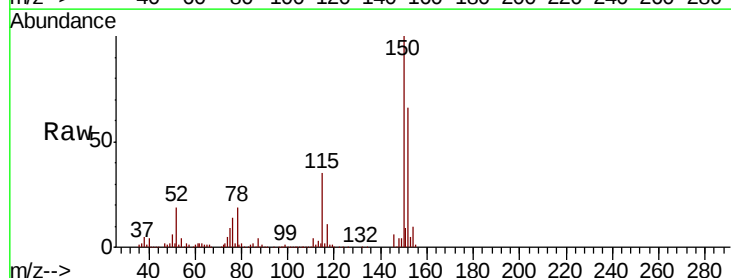
Tgt Ion:152 Resp: 633123

Ion Ratio Lower Upper

152 100

115 53.3 27.5 82.4

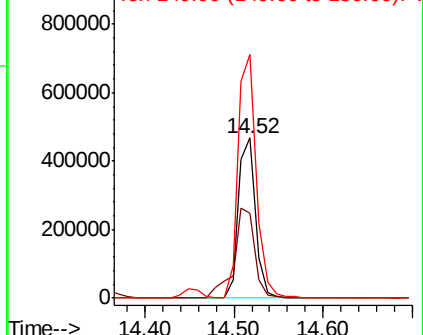
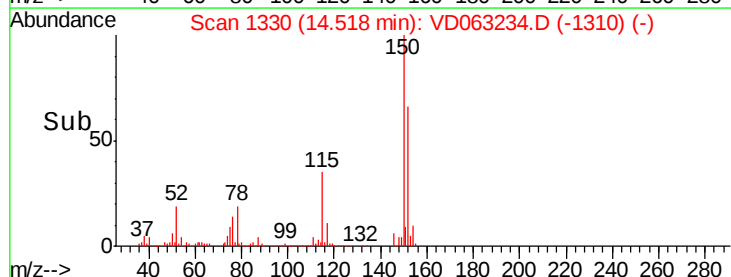
150 152.3 0.0 320.6

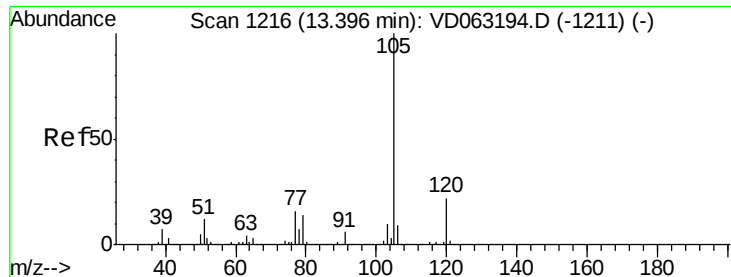


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.974 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

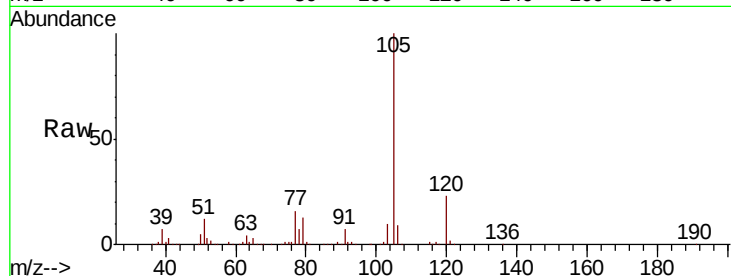
VD0730SBS01

Tot Ion:105 Resp: 873189

Ion Ratio Lower Upper

105 100

120 23.1 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

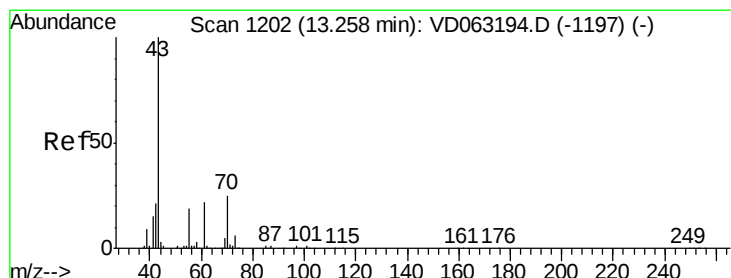
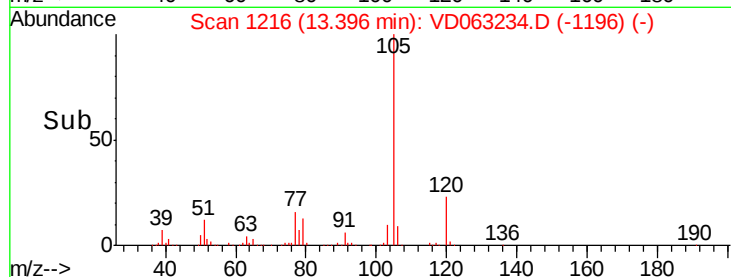
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 18.963 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Tgt Ion: 43 Resp: 199203

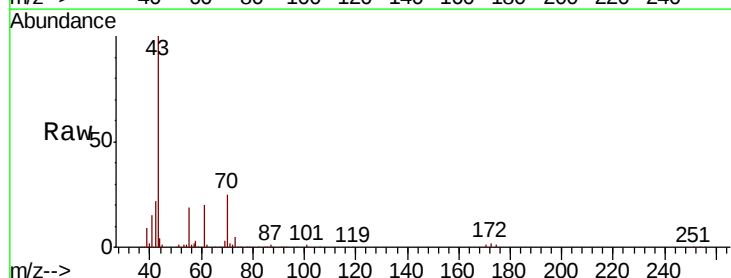
Ion Ratio Lower Upper

43 100

70 24.5 20.2 30.4

55 18.7 14.9 22.3

61 19.9 17.9 26.9



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

13.26

200000

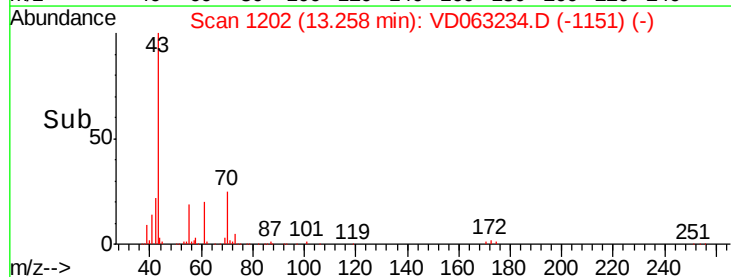
150000

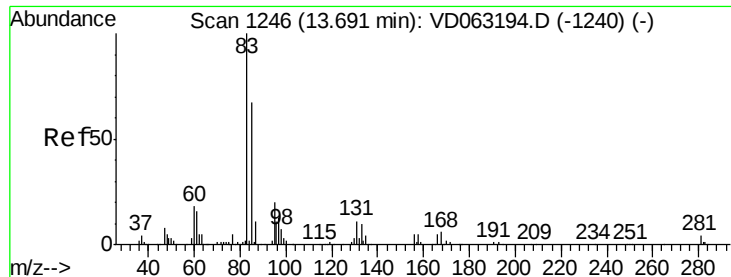
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.244 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

VD0730SBSD01

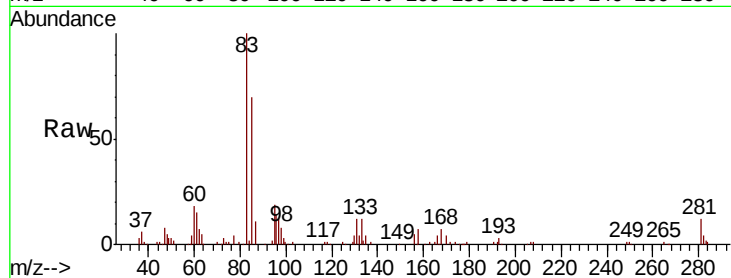
Tot Ion: 83 Resp: 143393

Ion Ratio Lower Upper

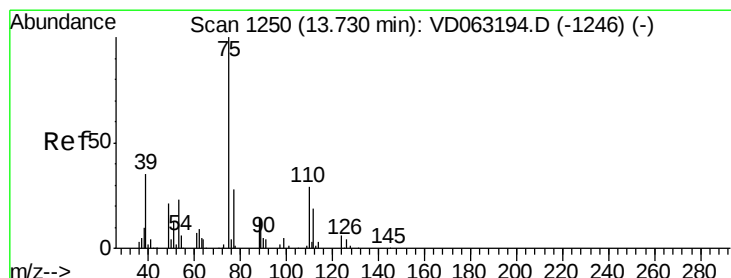
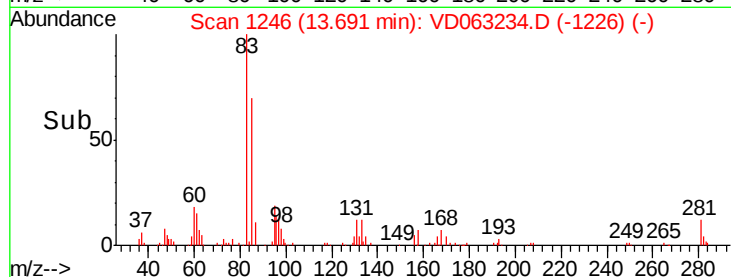
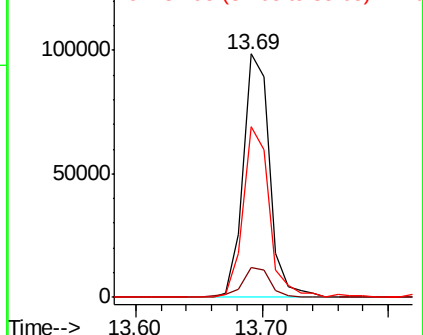
83 100

131 12.0 5.5 16.7

85 70.1 33.7 101.1



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: 19.385 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063234.D

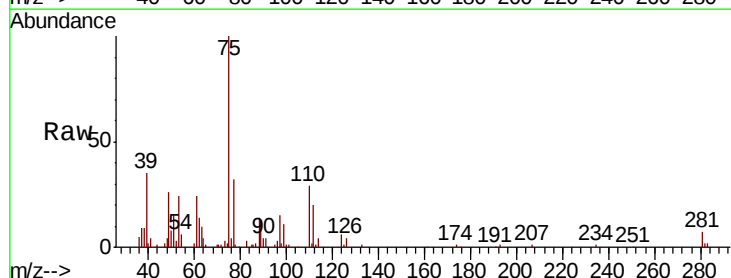
Acq: 30 Jul 2019 11:49

Tgt Ion: 75 Resp: 147414

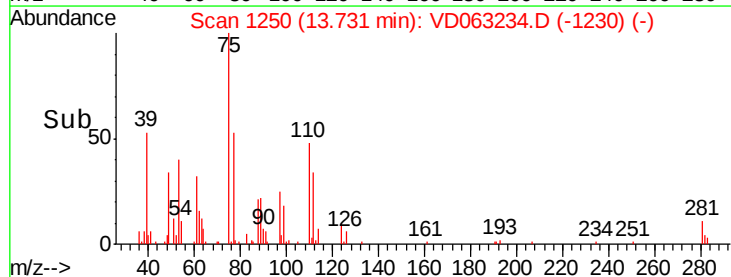
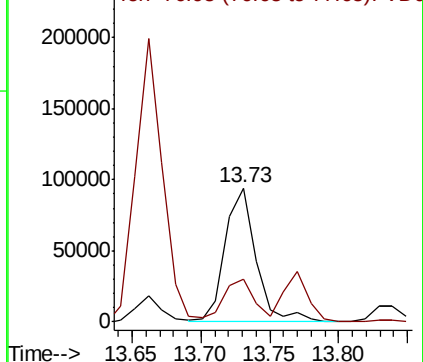
Ion Ratio Lower Upper

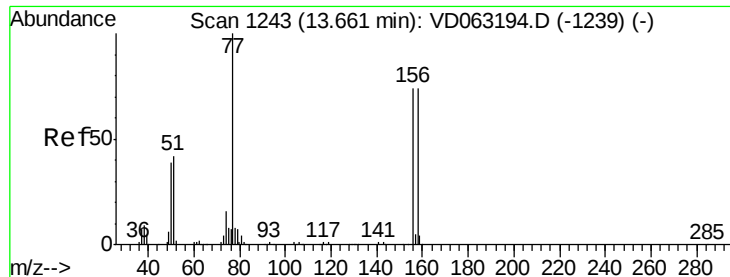
75 100

77 32.2 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.772 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

VD0730SBS01

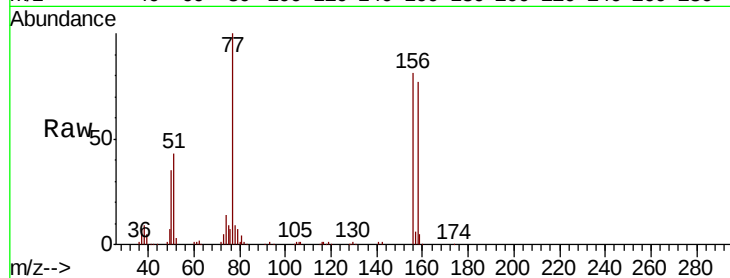
Tot Ion:156 Resp: 223810

Ion Ratio Lower Upper

156 100

77 123.1 67.6 202.8

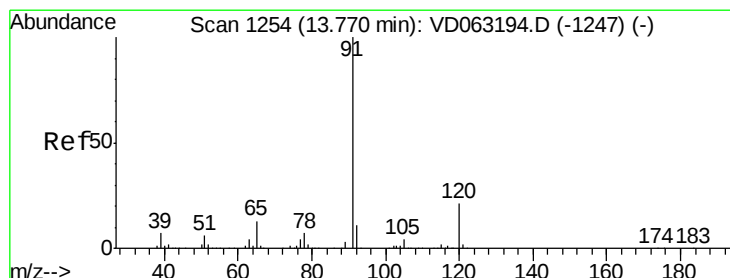
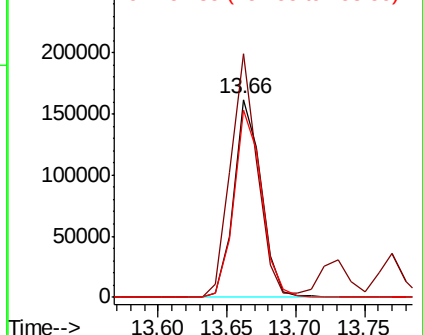
158 94.8 49.8 149.4



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: 21.043 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063234.D

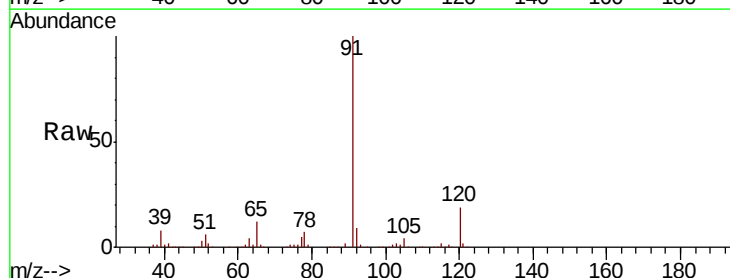
Acq: 30 Jul 2019 11:49

Tgt Ion: 91 Resp: 995091

Ion Ratio Lower Upper

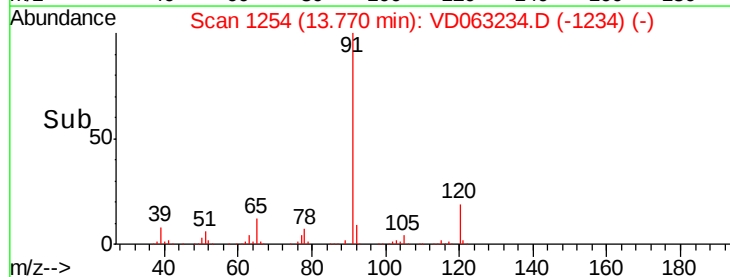
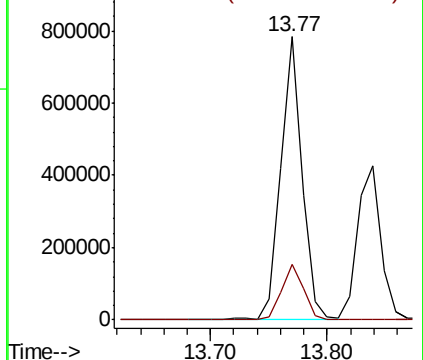
91 100

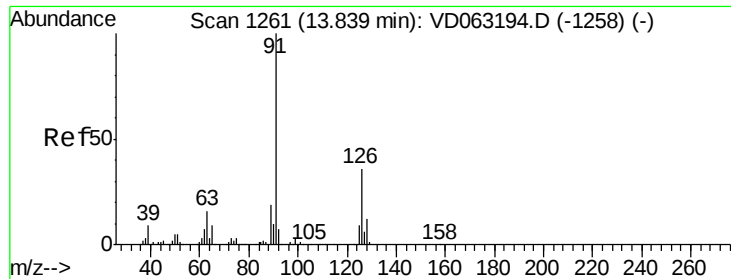
120 19.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.555 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

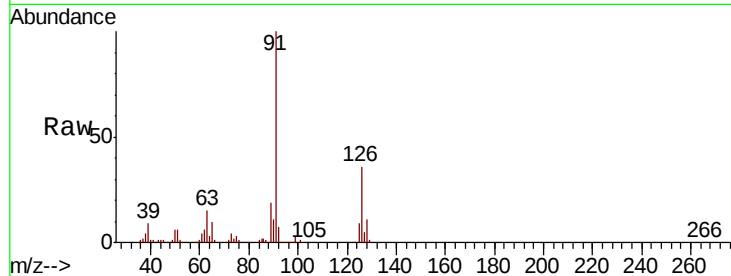
VD0730SBS01

Tot Ion: 91 Resp: 590614

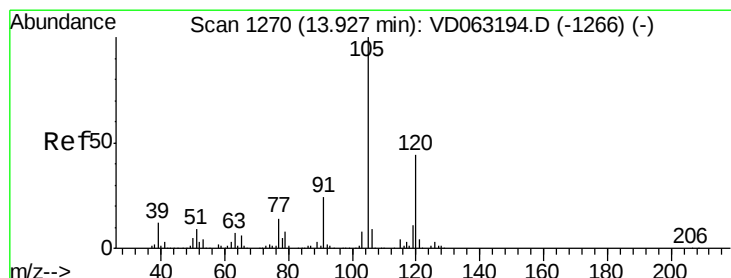
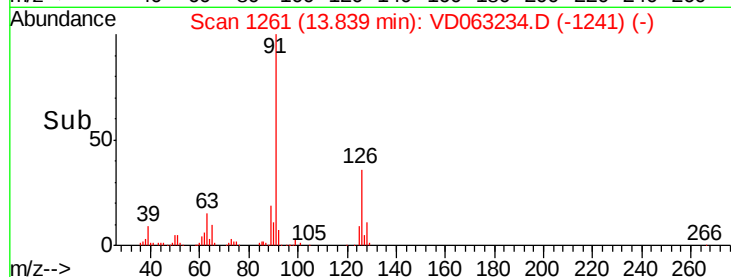
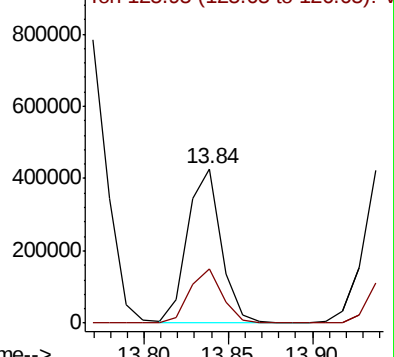
Ion Ratio Lower Upper

91 100

126 35.6 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.719 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063234.D

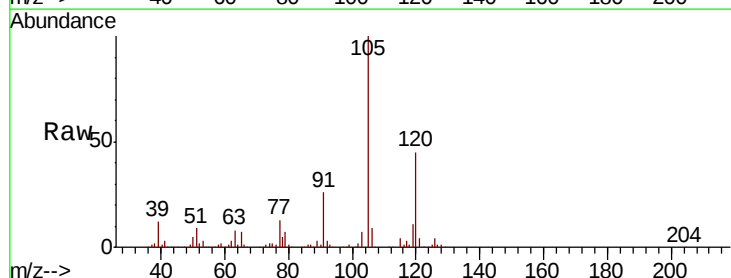
Acq: 30 Jul 2019 11:49

Tgt Ion: 105 Resp: 744384

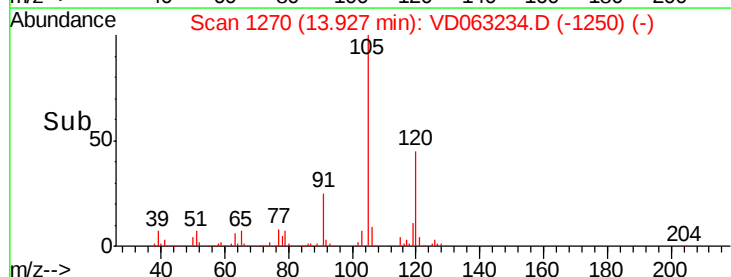
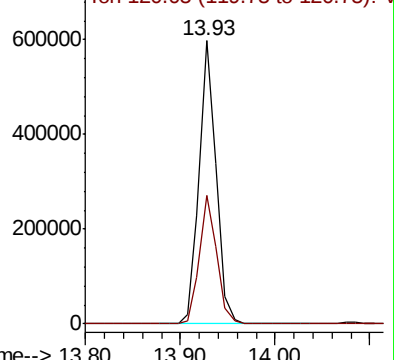
Ion Ratio Lower Upper

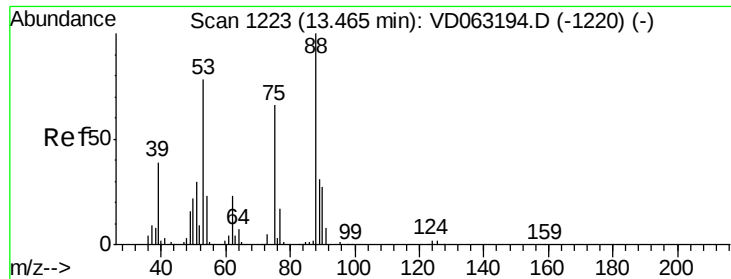
105 100

120 45.3 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.770 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

VD0730SBS01

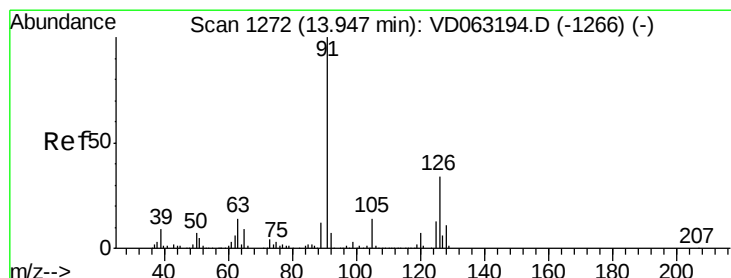
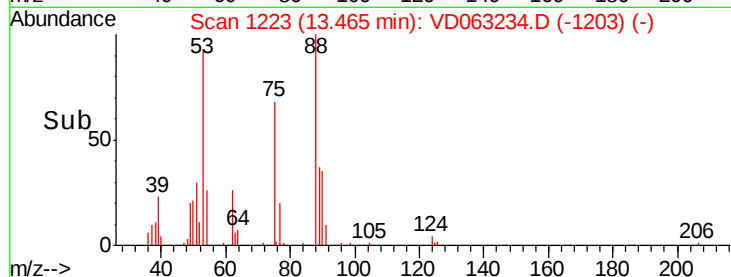
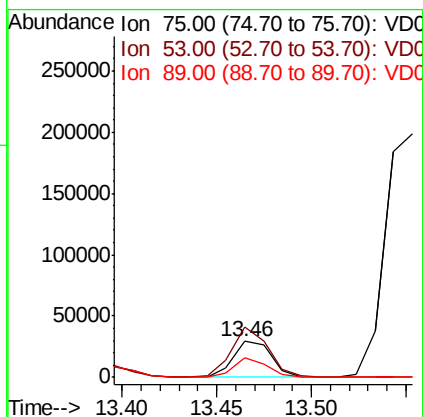
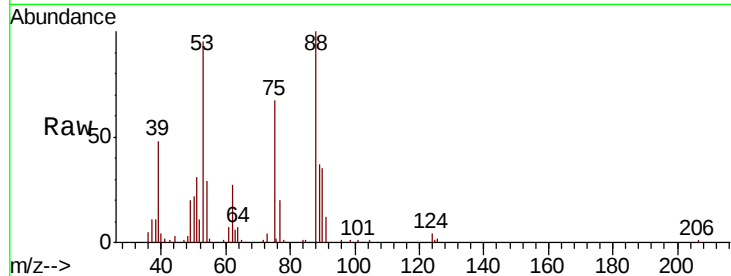
Tot Ion: 75 Resp: 41748

Ion Ratio Lower Upper

75 100

53 141.6 94.9 142.3

89 55.4 37.4 56.0



#82

4-Chlorotoluene

Concen: 21.634 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD063234.D

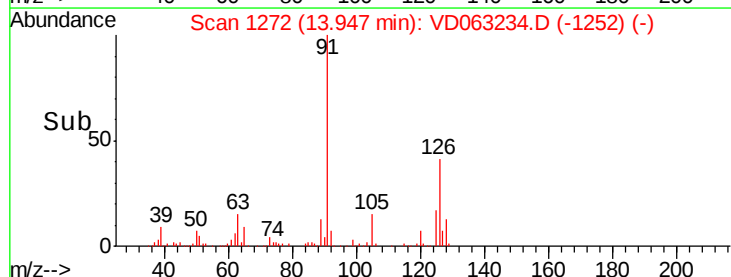
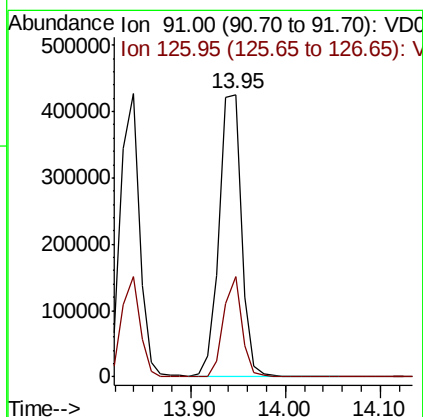
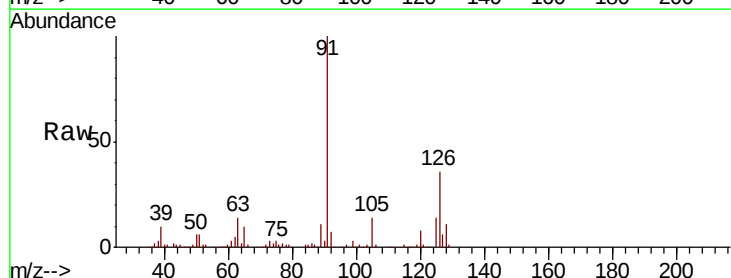
Acq: 30 Jul 2019 11:49

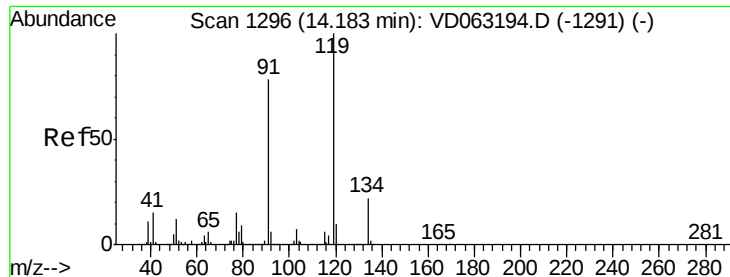
Tgt Ion: 91 Resp: 697617

Ion Ratio Lower Upper

91 100

126 35.6 17.1 51.2

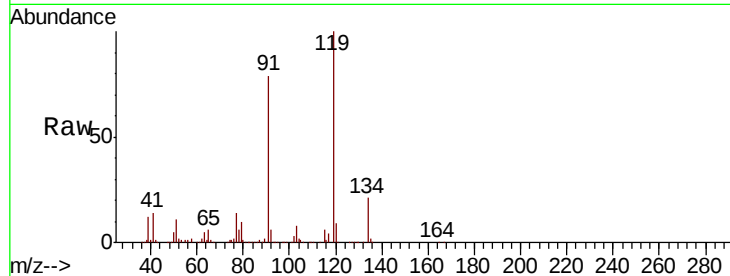




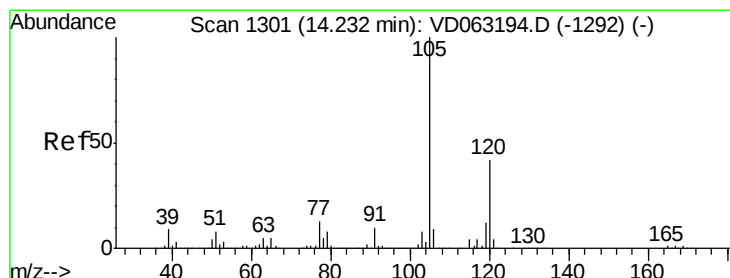
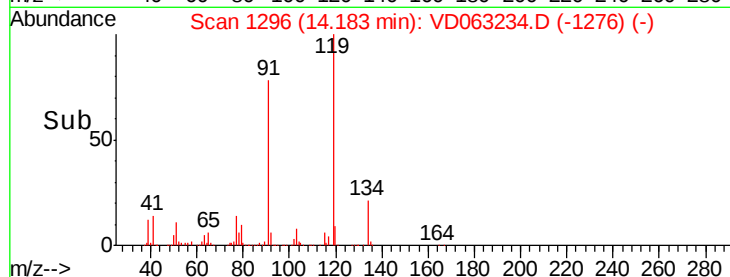
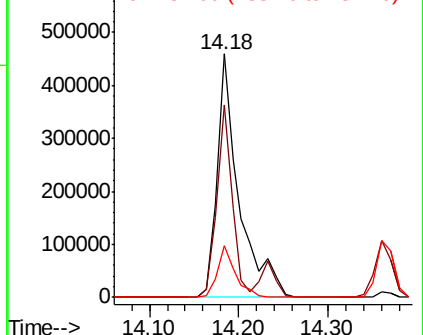
#83  
tert-Butylbenzene  
Concen: 20.081 ug/l  
RT: 14.18 min Scan# 1296  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBSD01

Tot Ion:119 Resp: 785815  
Ion Ratio Lower Upper  
119 100  
91 78.8 39.1 117.5  
134 21.4 10.9 32.6

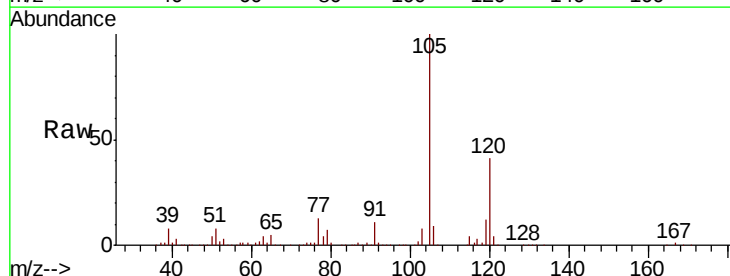


Abundance Ion 119.05 (118.75 to 119.75): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

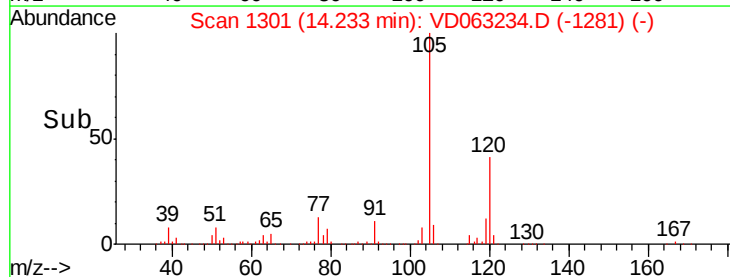
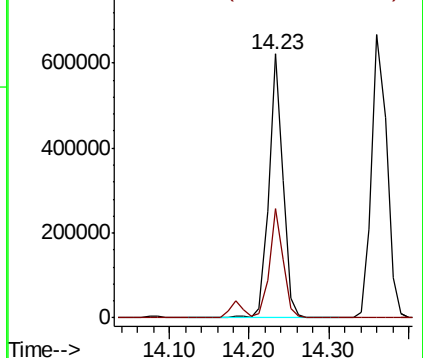


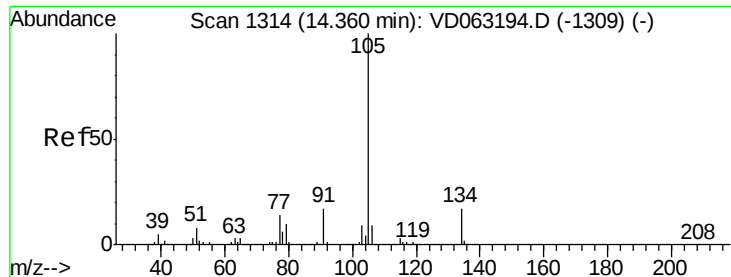
#84  
1,2,4-Trimethylbenzene  
Concen: 21.477 ug/l  
RT: 14.23 min Scan# 1301  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Tgt Ion:105 Resp: 761344  
Ion Ratio Lower Upper  
105 100  
120 41.3 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V  
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.065 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

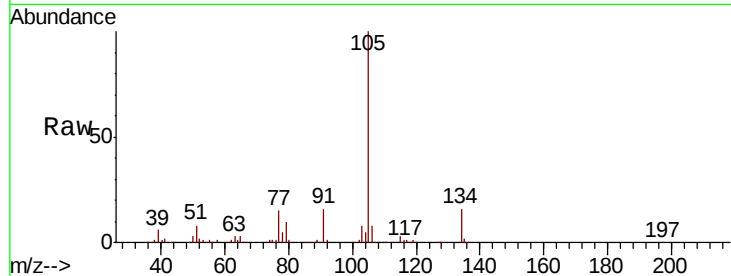
VD0730SBS01

Tot Ion:105 Resp: 868493

Ion Ratio Lower Upper

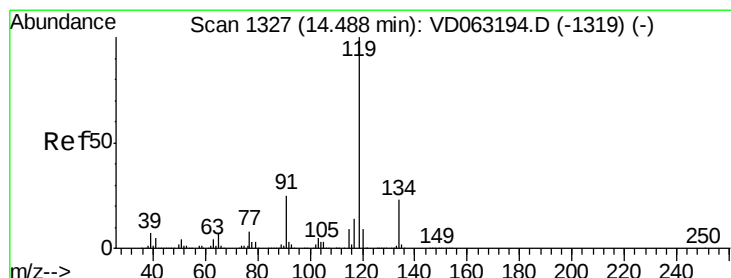
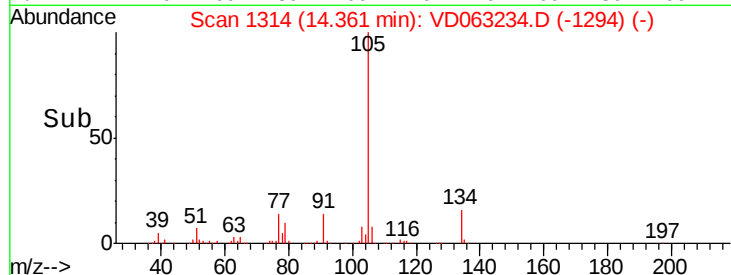
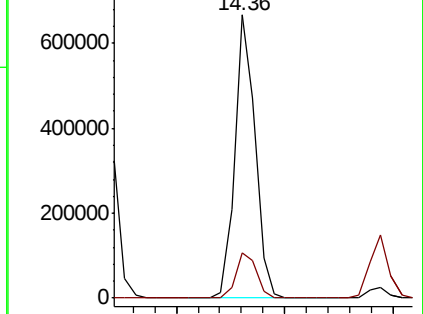
105 100

134 16.0 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.668 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

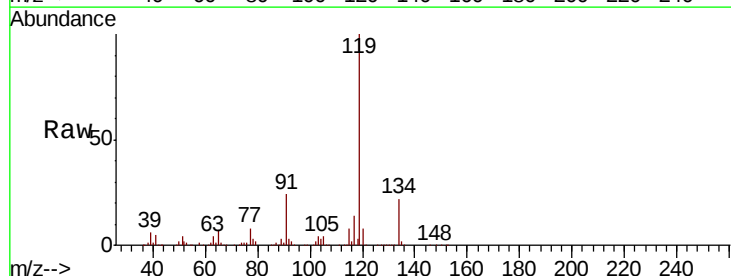
Tgt Ion:119 Resp: 813338

Ion Ratio Lower Upper

119 100

134 22.0 11.5 34.5

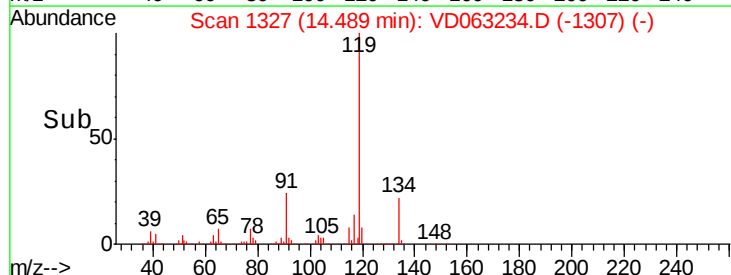
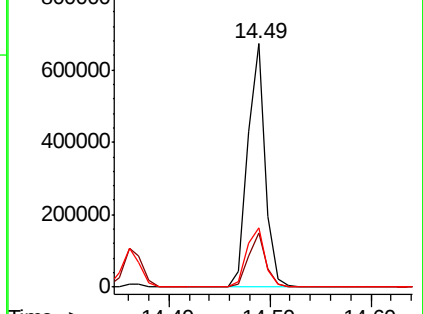
91 24.3 12.6 37.6

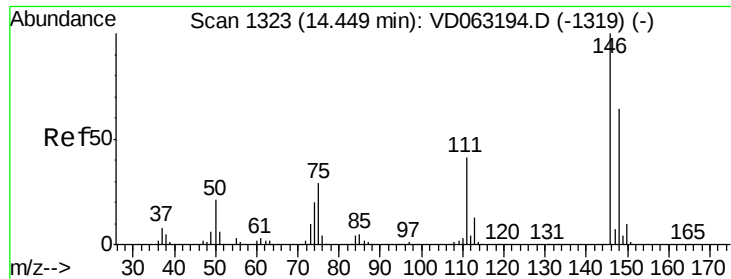


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

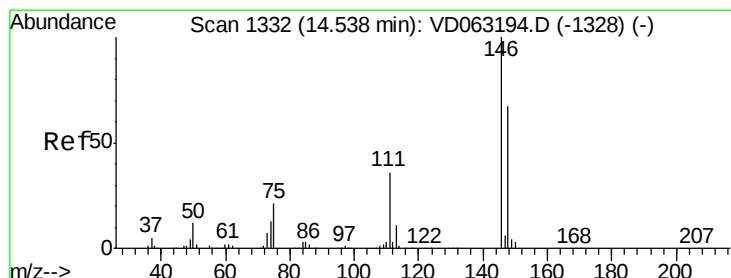
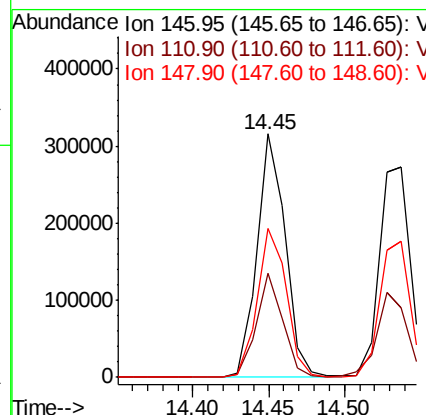
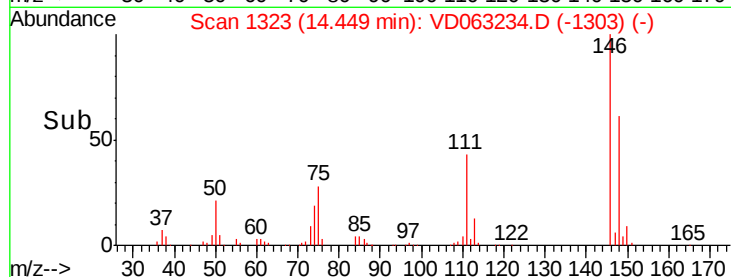
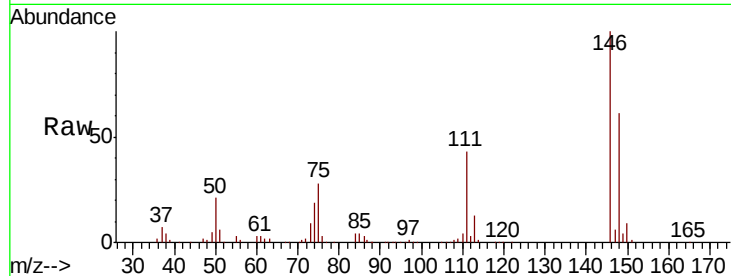




#87  
 1,3-Dichlorobenzene  
 Concen: 20.615 ug/l  
 RT: 14.45 min Scan# 1323  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

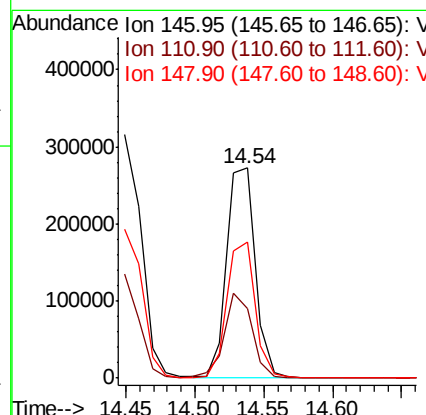
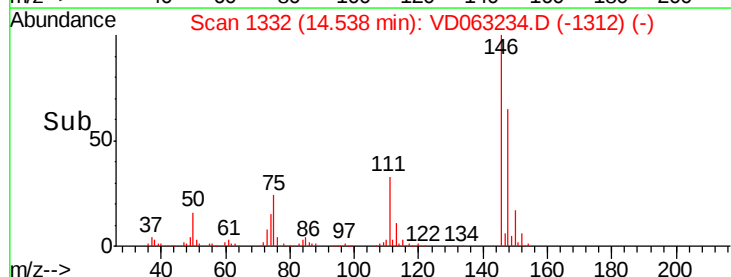
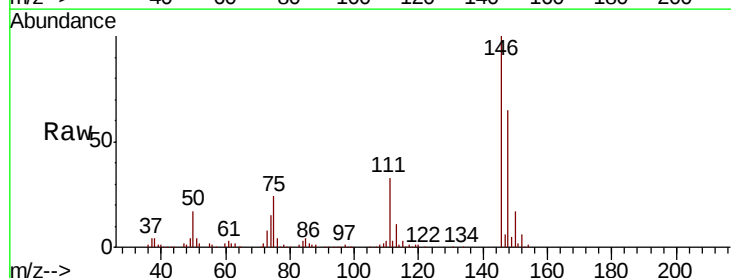
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0730SBSD01

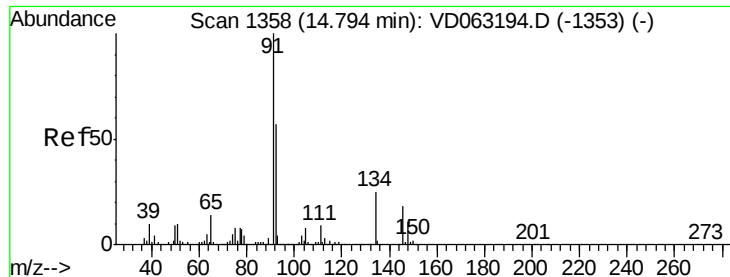
Tot Ion:146 Resp: 413268  
 Ion Ratio Lower Upper  
 146 100  
 111 42.6 20.4 61.3  
 148 61.2 31.8 95.4



#88  
 1,4-Dichlorobenzene  
 Concen: 19.325 ug/l  
 RT: 14.54 min Scan# 1332  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

Tgt Ion:146 Resp: 391748  
 Ion Ratio Lower Upper  
 146 100  
 111 33.0 18.1 54.3  
 148 65.0 33.4 100.1





#89

n-Butylbenzene

Concen: 19.766 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063234.D

Acq: 30 Jul 2019 11:49

Instrument :

MSVOA\_D

ClientSampleId :

VD0730SBS01

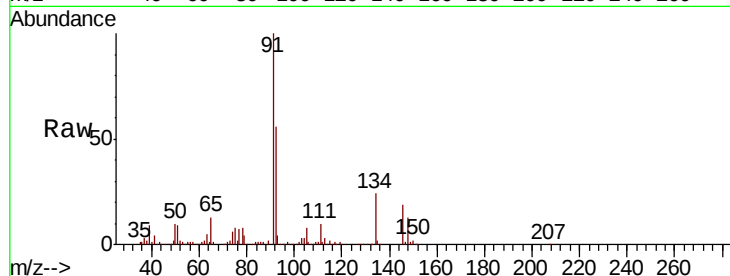
Tot Ion: 91 Resp: 671812

Ion Ratio Lower Upper

91 100

92 56.2 28.3 85.0

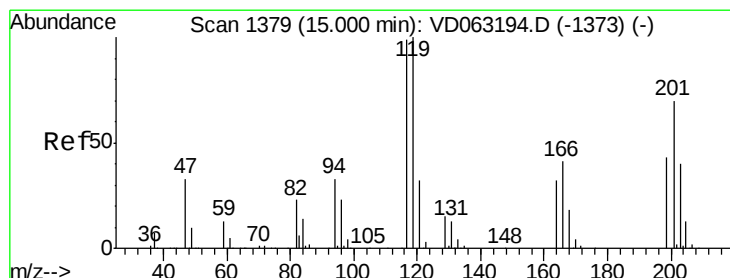
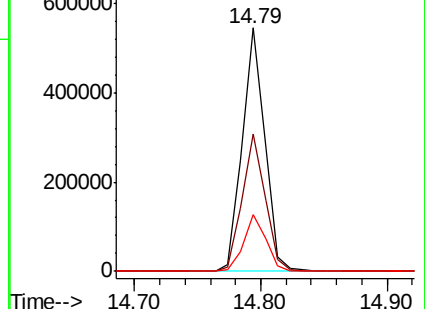
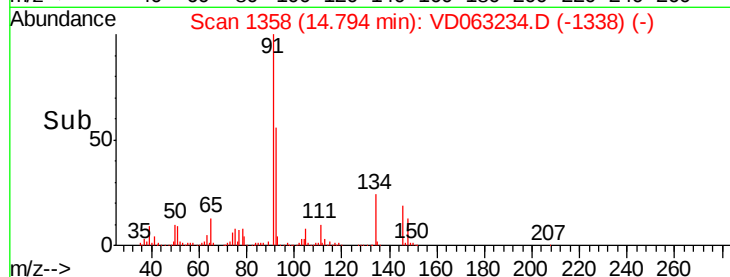
134 23.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.064 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063234.D

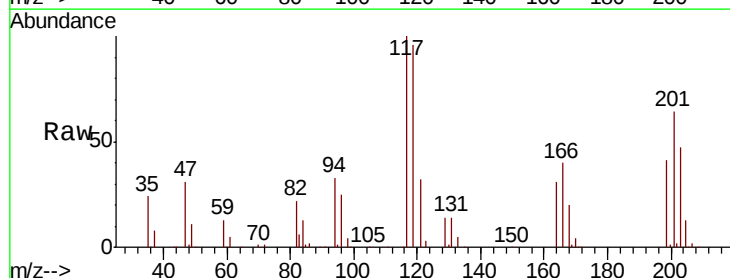
Acq: 30 Jul 2019 11:49

Tgt Ion: 117 Resp: 205712

Ion Ratio Lower Upper

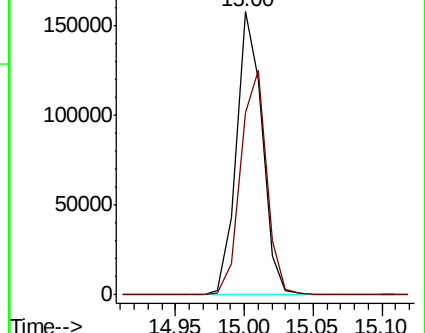
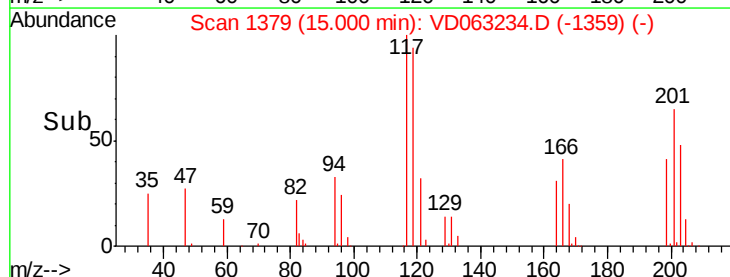
117 100

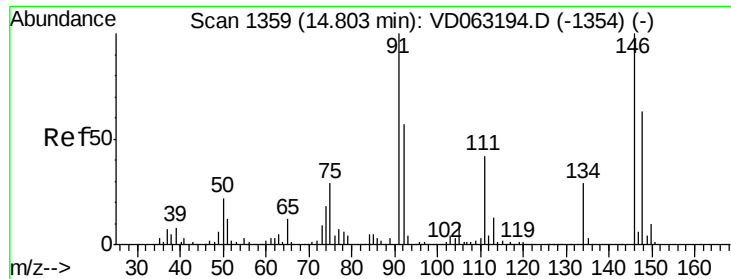
201 64.2 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

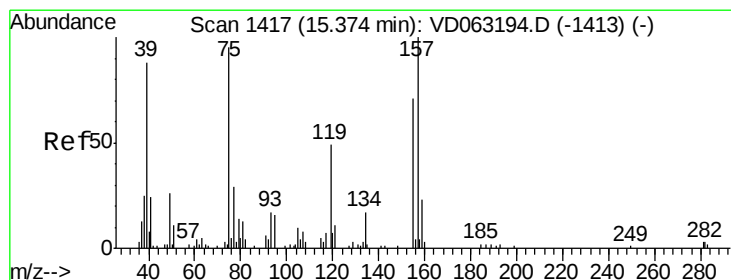
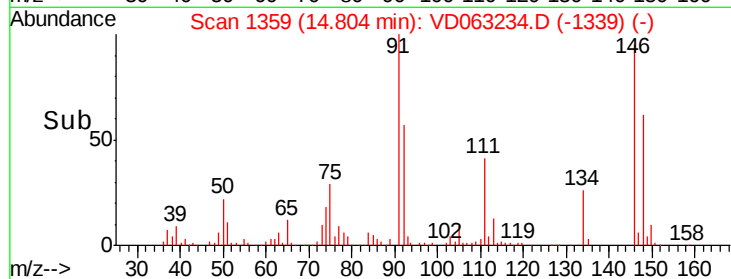
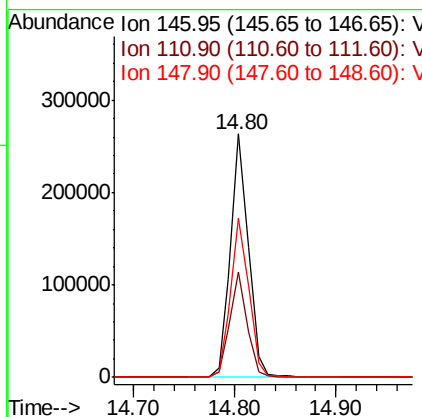
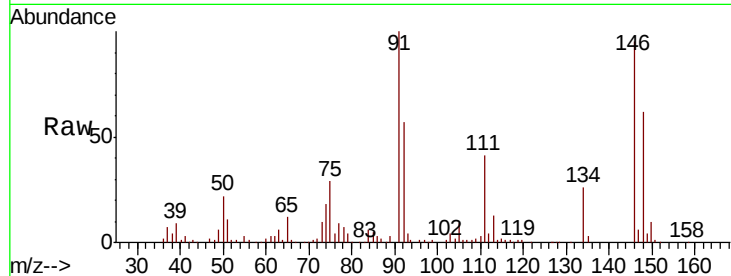




#91  
 1,2-Dichlorobenzene  
 Concen: 18.652 ug/l  
 RT: 14.80 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

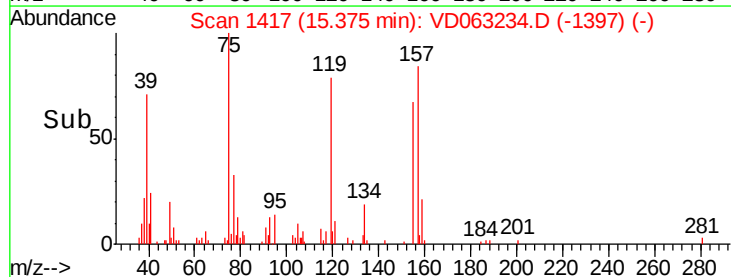
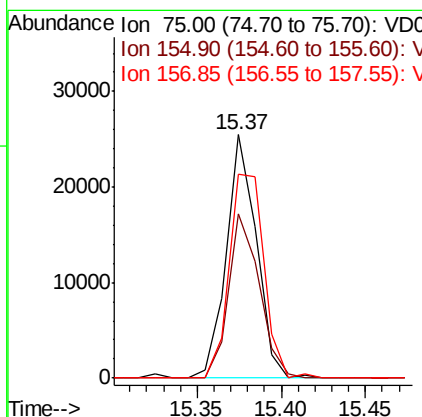
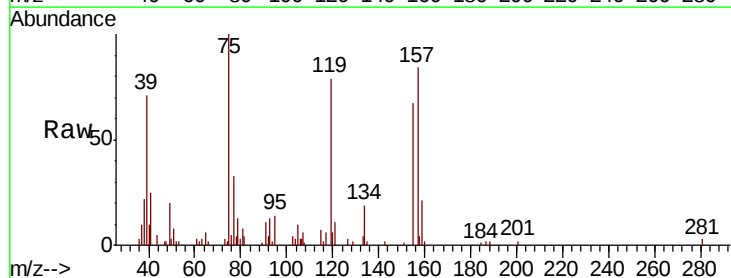
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0730SBSD01

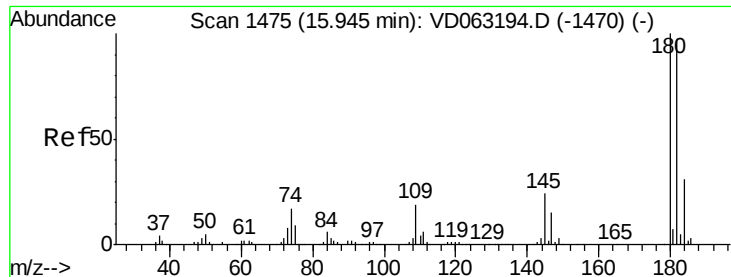
Tot Ion:146 Resp: 325782  
 Ion Ratio Lower Upper  
 146 100  
 111 43.4 21.1 63.3  
 148 65.2 31.6 94.8



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 22.906 ug/l  
 RT: 15.37 min Scan# 1417  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

Tgt Ion: 75 Resp: 31494  
 Ion Ratio Lower Upper  
 75 100  
 155 67.2 37.0 111.0  
 157 84.0 52.4 157.2

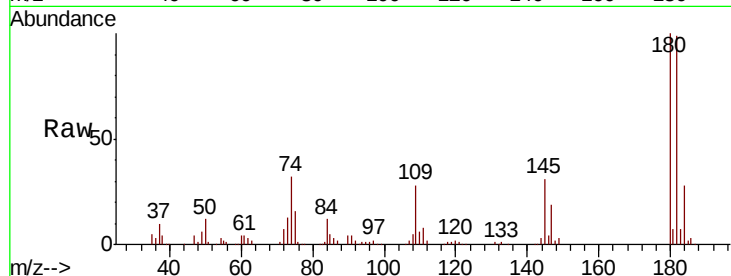




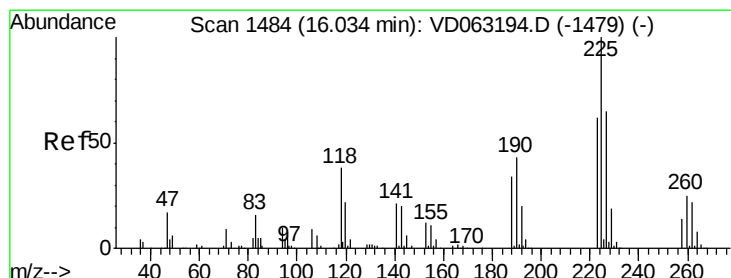
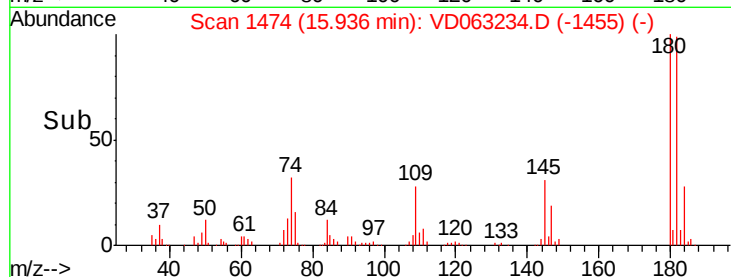
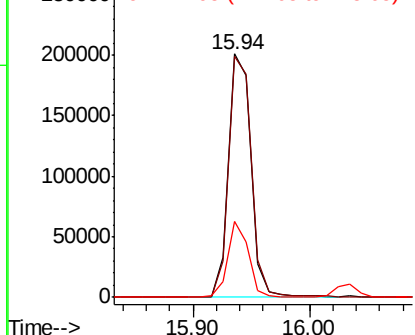
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.462 ug/l  
 RT: 15.94 min Scan# 1474  
 Delta R.T. -0.01 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0730SBSD01

Tot Ion:180 Resp: 269669  
 Ion Ratio Lower Upper  
 180 100  
 182 99.0 48.6 145.8  
 145 31.4 12.2 36.6

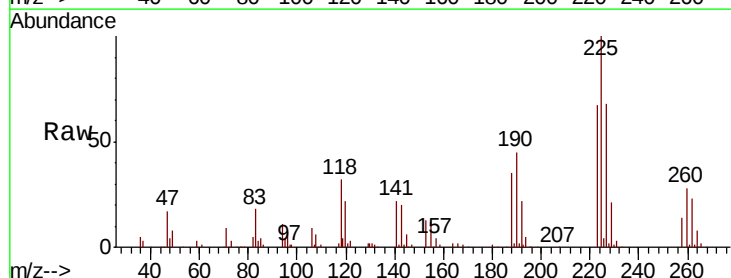


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

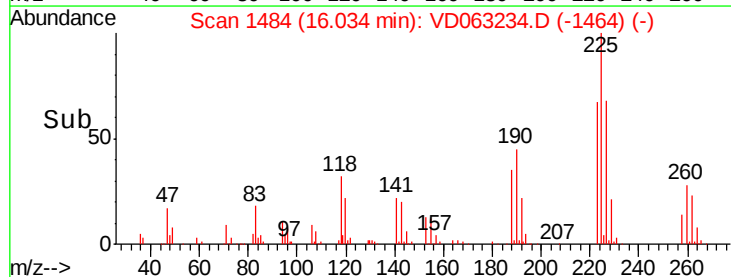
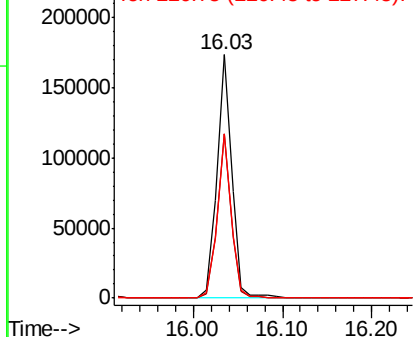


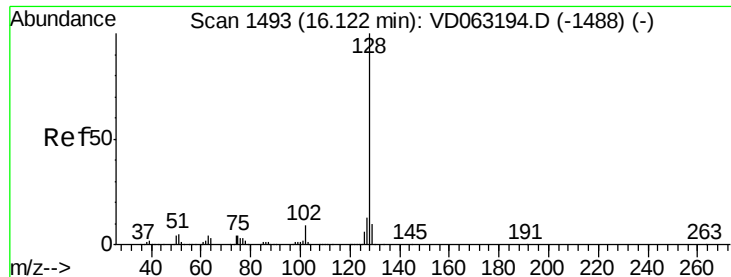
#94  
 Hexachlorobutadiene  
 Concen: 20.047 ug/l  
 RT: 16.03 min Scan# 1484  
 Delta R.T. 0.00 min  
 Lab File: VD063234.D  
 Acq: 30 Jul 2019 11:49

Tgt Ion:225 Resp: 201293  
 Ion Ratio Lower Upper  
 225 100  
 223 67.4 30.9 92.5  
 227 67.6 32.6 97.7



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

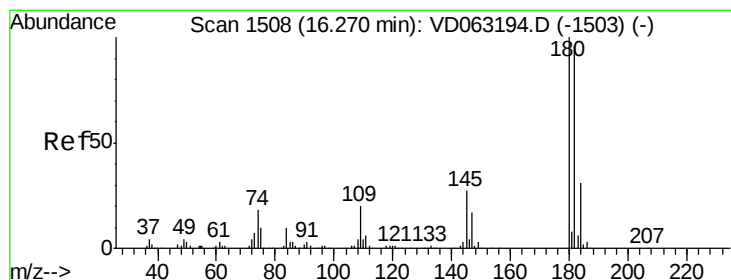
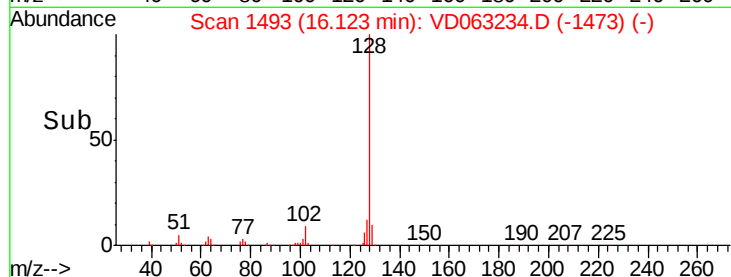
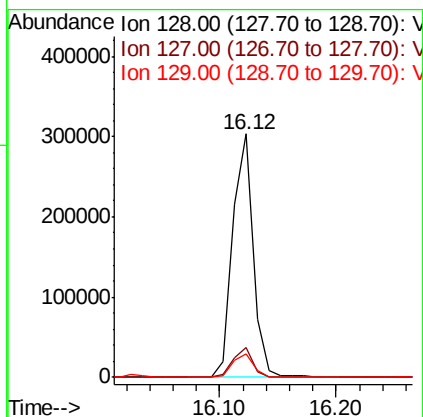
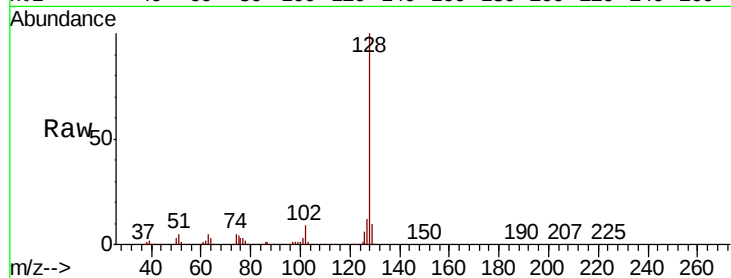




#95  
Naphthalene  
Concen: 19.012 ug/l  
RT: 16.12 min Scan# 1493  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0730SBSD01

Tot Ion:128 Resp: 372323  
Ion Ratio Lower Upper  
128 100  
127 12.3 10.2 15.4  
129 9.8 7.8 11.8



#96  
1,2,3-Trichlorobenzene  
Concen: 21.545 ug/l  
RT: 16.27 min Scan# 1508  
Delta R.T. 0.00 min  
Lab File: VD063234.D  
Acq: 30 Jul 2019 11:49

Tgt Ion:180 Resp: 235834  
Ion Ratio Lower Upper  
180 100  
182 88.2 48.3 144.9  
145 25.6 13.6 40.7

