

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\  
 Data File : VD063391.D  
 Acq On : 5 Aug 2019 20:00  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDCCC050EC

Quant Time: Aug 06 07:52:41 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  | 937708   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.21  | 114  | 1288726  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.37 | 117  | 1107746  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.51 | 152  | 611774   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.46  | 65   | 527304   | 50.68 | ug/l    | 0.02     |
| Spiked Amount               |       |      | Recovery | =     | 101.36% |          |
| 35) Dibromofluoromethane    | 6.92  | 113  | 564924   | 51.34 | ug/l    | 0.02     |
| Spiked Amount               |       |      | Recovery | =     | 102.68% |          |
| 50) Toluene-d8              | 10.41 | 98   | 1265445  | 51.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.78% |          |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 562286   | 50.11 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.22% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.57 | 85   | 497870   | 43.436  | ug/l   | 99     |
| 3) Chloromethane              | 1.75 | 50   | 408149   | 45.831  | ug/l # | 87     |
| 4) Vinyl Chloride             | 1.84 | 62   | 406202   | 44.061  | ug/l   | 98     |
| 5) Bromomethane               | 2.15 | 94   | 220960   | 47.522  | ug/l   | 97     |
| 6) Chloroethane               | 2.26 | 64   | 207095   | 48.655  | ug/l   | 94     |
| 7) Trichlorofluoromethane     | 2.52 | 101  | 887870   | 49.643  | ug/l   | 98     |
| 8) Diethyl Ether              | 2.87 | 74   | 131845   | 52.673  | ug/l   | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.14 | 101  | 454192   | 45.844  | ug/l   | 91     |
| 10) Methyl Iodide             | 3.29 | 142  | 682235   | 47.668  | ug/l   | 96     |
| 11) Tert butyl alcohol        | 4.08 | 59   | 115596   | 253.160 | ug/l # | 91     |
| 12) 1,1-Dichloroethene        | 3.12 | 96   | 327741   | 45.061  | ug/l   | 82     |
| 13) Acrolein                  | 3.04 | 56   | 103921   | 236.482 | ug/l   | 97     |
| 14) Allyl chloride            | 3.62 | 41   | 541967   | 46.776  | ug/l   | 96     |
| 15) Acrylonitrile             | 4.20 | 53   | 324135   | 273.808 | ug/l   | 99     |
| 16) Acetone                   | 3.22 | 43   | 494736   | 244.042 | ug/l   | 98     |
| 17) Carbon Disulfide          | 3.37 | 76   | 1074370  | 44.132  | ug/l   | 100    |
| 18) Methyl Acetate            | 3.64 | 43   | 217687   | 55.903  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 4.24 | 73   | 896671   | 54.578  | ug/l   | 99     |
| 20) Methylene Chloride        | 3.80 | 84   | 395212   | 48.229  | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 4.21 | 96   | 409181   | 50.140  | ug/l   | 98     |
| 22) Diisopropyl ether         | 5.12 | 45   | 1232114  | 53.226  | ug/l   | 96     |
| 23) Vinyl Acetate             | 5.05 | 43   | 3819604  | 268.429 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 4.97 | 63   | 743985   | 50.316  | ug/l   | 95     |
| 25) 2-Butanone                | 6.07 | 43   | 517670   | 254.443 | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 6.02 | 77   | 730013   | 47.908  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 6.03 | 96   | 451986   | 51.658  | ug/l   | 94     |
| 28) Bromochloromethane        | 6.43 | 49   | 296165   | 50.272  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 6.46 | 42   | 259508   | 269.411 | ug/l   | 97     |
| 30) Chloroform                | 6.66 | 83   | 961634   | 52.405  | ug/l   | 91     |
| 31) Cyclohexane               | 6.95 | 56   | 435601   | 47.000  | ug/l   | 95     |
| 32) 1,1,1-Trichloroethane     | 6.86 | 97   | 887948   | 50.028  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 7.14 | 75   | 609372   | 51.812  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.19 | 43   | 257582   | 48.749  | ug/l # | 96     |
| 38) Carbon Tetrachloride      | 7.11 | 117  | 947890   | 53.534  | ug/l   | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\  
 Data File : VD063391.D  
 Acq On : 5 Aug 2019 20:00  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDCCC050EC

Quant Time: Aug 06 07:52:41 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   | 481213   | 49.108   | ug/l   | 92       |
| 40) Benzene                    | 7.46  | 78   | 1283364  | 52.065   | ug/l   | 100      |
| 41) Methacrylonitrile          | 6.44  | 41   | 344983   | 54.581   | ug/l # | 86       |
| 42) 1,2-Dichloroethane         | 7.57  | 62   | 705018   | 53.968   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 9.24  | 43   | 362749   | 53.744   | ug/l # | 99       |
| 44) Trichloroethene            | 8.54  | 130  | 498922   | 49.951   | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 8.93  | 63   | 322292   | 51.441   | ug/l   | 97       |
| 46) Dibromomethane             | 9.06  | 93   | 279503   | 53.653   | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.37  | 83   | 707813   | 53.301   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.12  | 41   | 242924   | 55.494   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.08  | 88   | 43397    | 1170.988 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone       | 10.30 | 43   | 1312161  | 285.857  | ug/l   | 99       |
| 52) Toluene                    | 10.51 | 92   | 868045   | 52.948   | ug/l   | 92       |
| 53) t-1,3-Dichloropropene      | 10.91 | 75   | 564689   | 49.324   | ug/l   | 93       |
| 54) cis-1,3-Dichloropropene    | 10.03 | 75   | 671450   | 55.804   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 11.20 | 97   | 293354   | 52.981   | ug/l   | 95       |
| 56) Ethyl methacrylate         | 11.04 | 69   | 338607   | 55.847   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 11.41 | 76   | 476893   | 54.665   | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether  | 9.86  | 63   | 821326   | 260.336  | ug/l   | 99       |
| 59) 2-Hexanone                 | 11.53 | 43   | 921180   | 278.475  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.69 | 129  | 569080   | 54.443   | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 11.81 | 107  | 376325   | 55.081   | ug/l   | 100      |
| 64) Tetrachloroethene          | 11.26 | 164  | 439401   | 49.790   | ug/l   | 97       |
| 65) Chlorobenzene              | 12.40 | 112  | 1025643  | 48.137   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 12.52 | 131  | 511906   | 54.542   | ug/l   | 98       |
| 67) Ethyl Benzene              | 12.53 | 91   | 1838226  | 50.786   | ug/l   | 99       |
| 68) m/p-Xylenes                | 12.66 | 106  | 1323042  | 99.671   | ug/l   | 97       |
| 69) o-Xylene                   | 13.05 | 106  | 634181   | 52.026   | ug/l   | 97       |
| 70) Styrene                    | 13.08 | 104  | 1156706  | 53.508   | ug/l   | 100      |
| 71) Bromoform                  | 13.23 | 173  | 365553   | 53.559   | ug/l   | 98       |
| 73) Isopropylbenzene           | 13.40 | 105  | 1820011  | 47.400   | ug/l   | 100      |
| 74) N-amyl acetate             | 13.26 | 43   | 544294   | 53.622   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.70 | 83   | 343819   | 52.715   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 13.74 | 75   | 373598   | 50.842   | ug/l   | 94       |
| 77) Bromobenzene               | 13.67 | 156  | 533266   | 48.753   | ug/l   | 96       |
| 78) n-propylbenzene            | 13.78 | 91   | 2243785  | 49.105   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 13.84 | 91   | 1294158  | 48.880   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 13.93 | 105  | 1688452  | 50.984   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 13.47 | 75   | 99773    | 48.898   | ug/l   | 86       |
| 82) 4-Chlorotoluene            | 13.94 | 91   | 1600622  | 51.370   | ug/l   | 89       |
| 83) tert-Butylbenzene          | 14.19 | 119  | 1791275  | 47.371   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 14.24 | 105  | 1405181  | 41.022   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 14.37 | 105  | 1752296  | 43.984   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 14.49 | 119  | 1828608  | 48.090   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 14.45 | 146  | 951859   | 49.140   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 14.53 | 146  | 945101   | 48.250   | ug/l   | 96       |
| 89) n-Butylbenzene             | 14.80 | 91   | 1585016  | 48.262   | ug/l   | 99       |
| 90) Hexachloroethane           | 15.01 | 117  | 463831   | 46.819   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 14.81 | 146  | 831881   | 49.290   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.38 | 75   | 68305    | 51.413   | ug/l   | 84       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080519\  
Data File : VD063391.D  
Acq On : 5 Aug 2019 20:00  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Aug 06 07:52:41 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:04:50 2019  
Response via : Initial Calibration

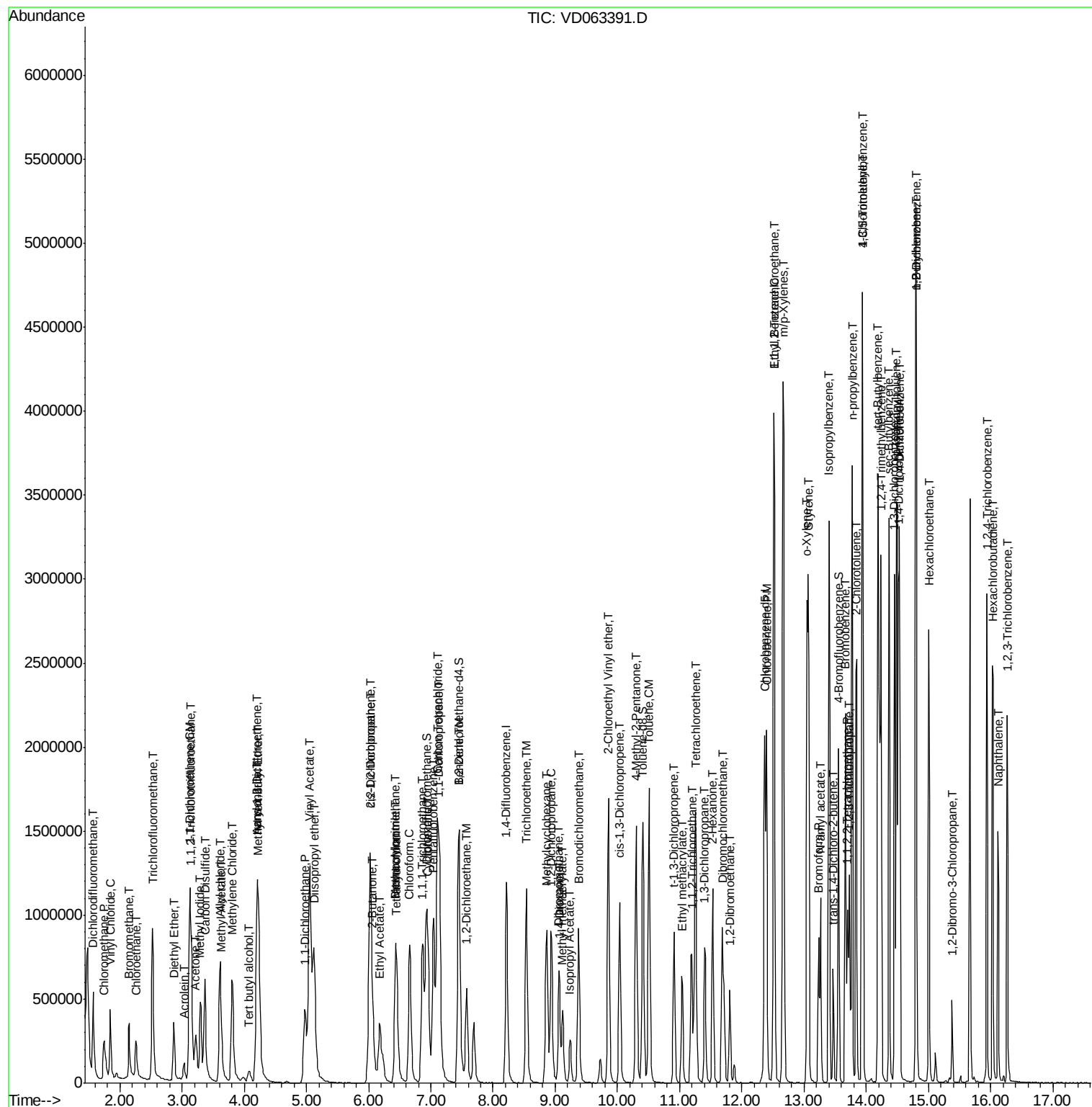
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.94 | 180  | 704035   | 52.584 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 16.04 | 225  | 465006   | 47.926 | ug/l  | 98       |
| 95) Naphthalene            | 16.12 | 128  | 954123   | 50.420 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 16.27 | 180  | 538832   | 50.944 | ug/l  | 98       |

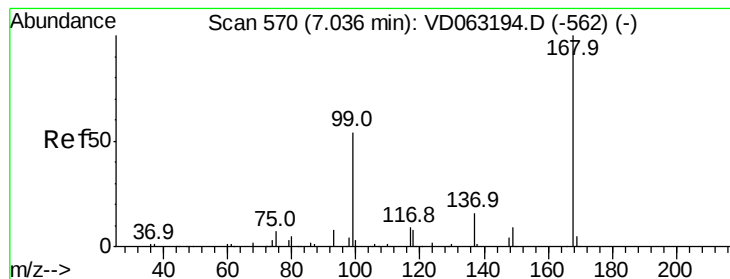
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080519\  
Data File : VD063391.D  
Acq On : 5 Aug 2019 20:00  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00µl/5ml/MSVOA D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Aug 06 07:52:41 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:04:50 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

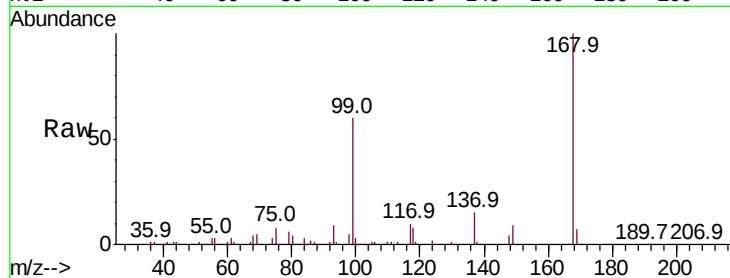
VSTDCCC050EC

Tot Ion:168 Resp: 937708

Ion Ratio Lower Upper

168 100

99 60.2 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

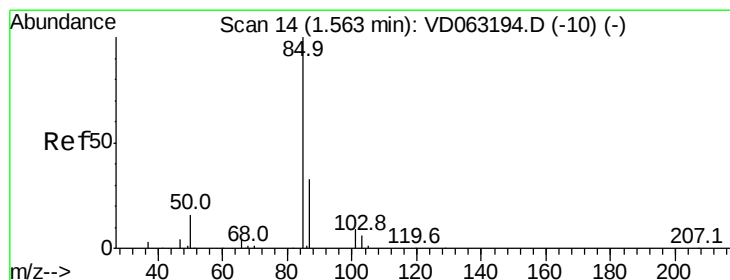
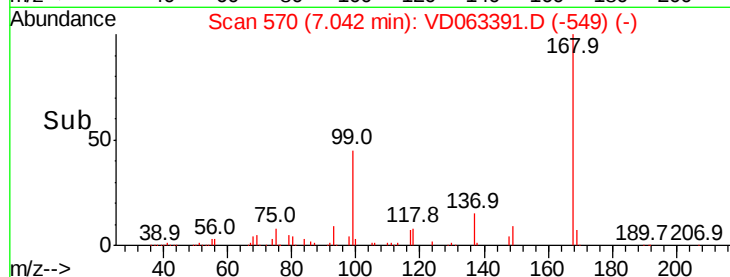
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.436 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.01 min

Lab File: VD063391.D

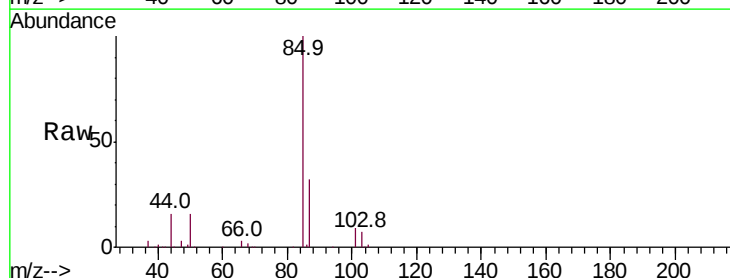
Acq: 5 Aug 2019 20:00

Tgt Ion: 85 Resp: 497870

Ion Ratio Lower Upper

85 100

87 32.3 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

300000

250000

200000

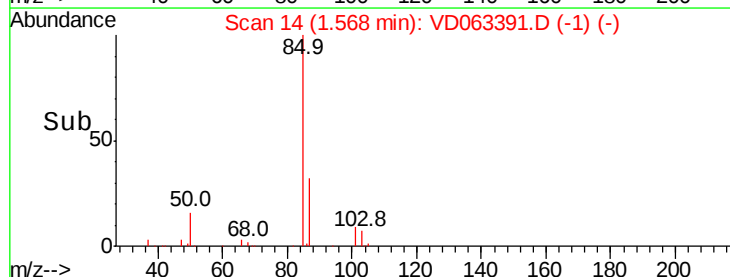
150000

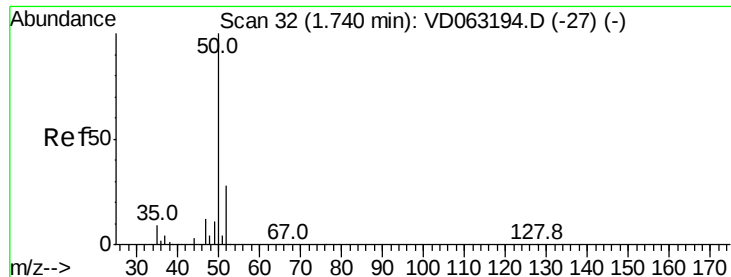
100000

50000

0

Time-->





#3

Chloromethane

Concen: 45.831 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

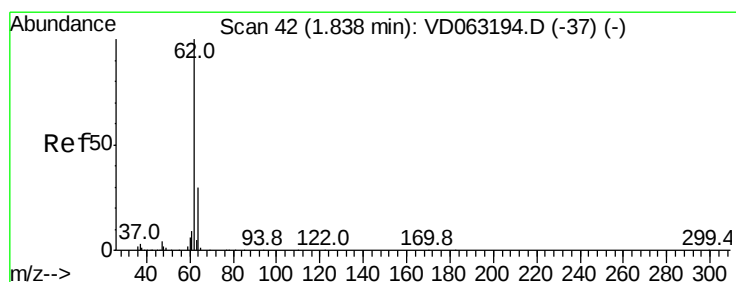
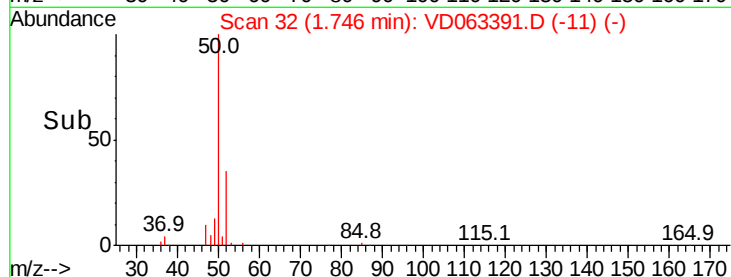
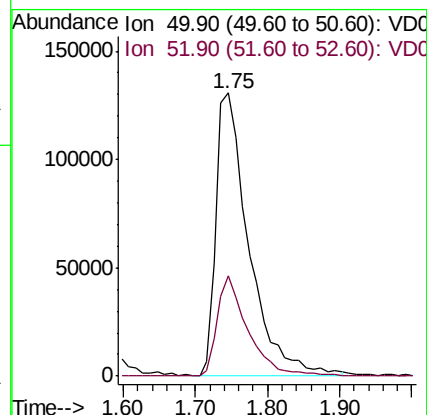
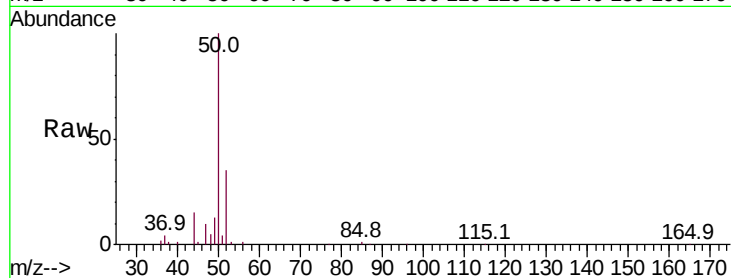
VSTDCCC050EC

Tot Ion: 50 Resp: 408149

Ion Ratio Lower Upper

50 100

52 35.4 22.6 34.0#



#4

Vinyl Chloride

Concen: 44.061 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063391.D

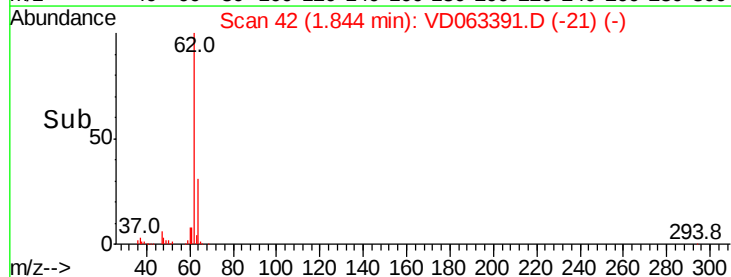
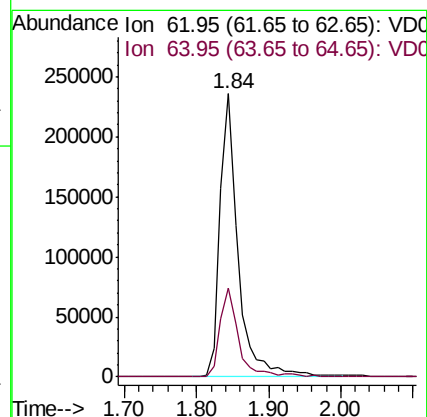
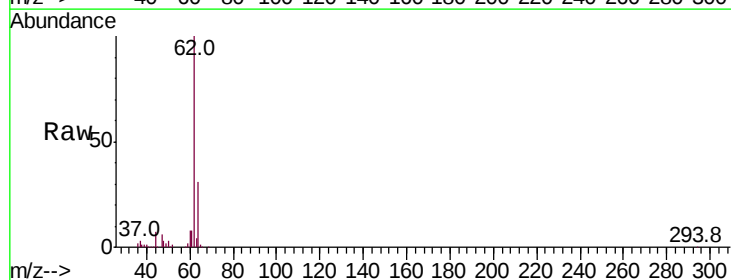
Acq: 5 Aug 2019 20:00

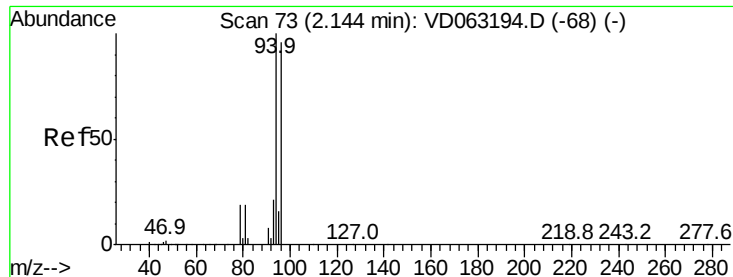
Tgt Ion: 62 Resp: 406202

Ion Ratio Lower Upper

62 100

64 31.2 24.1 36.1





#5

Bromomethane

Concen: 47.522 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

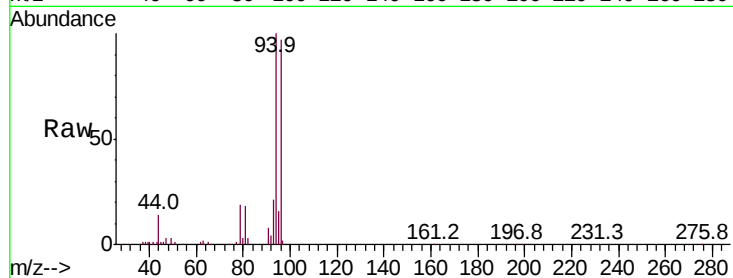
Tot Ion: 94 Resp: 220960

Ion Ratio Lower Upper

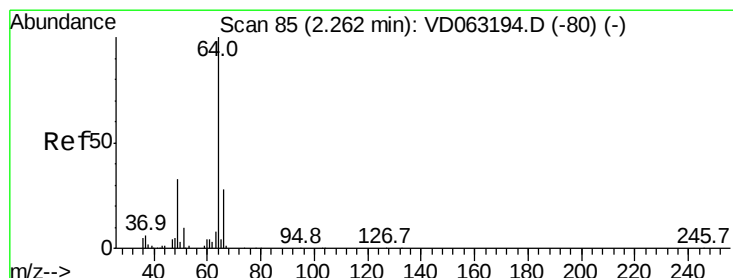
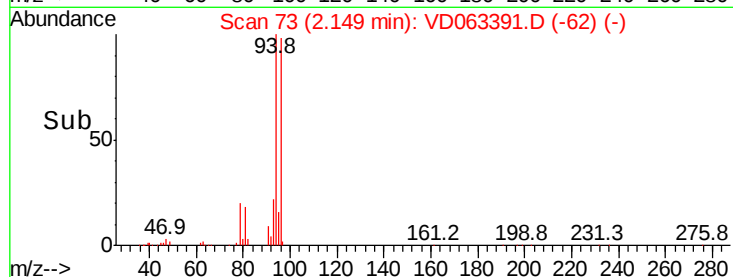
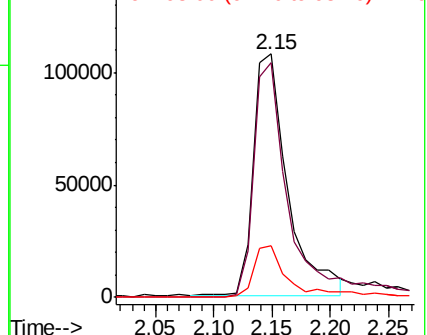
94 100

96 98.6 76.4 114.6

93 21.3 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: 48.655 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD063391.D

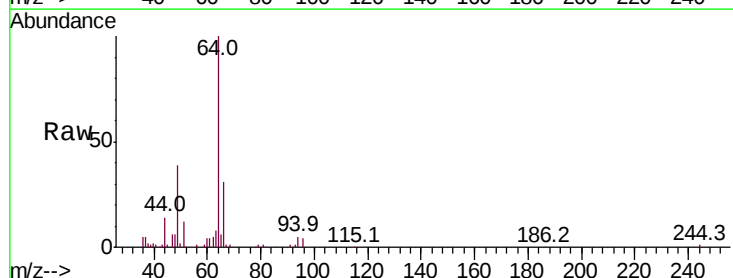
Acq: 5 Aug 2019 20:00

Tgt Ion: 64 Resp: 207095

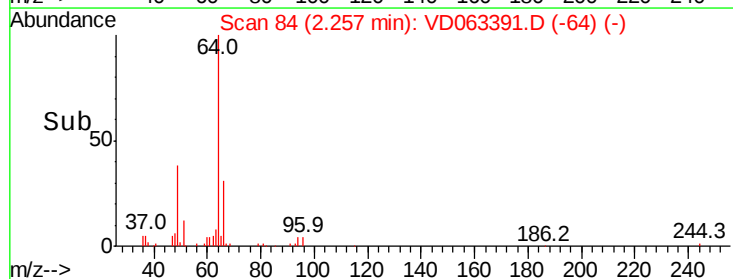
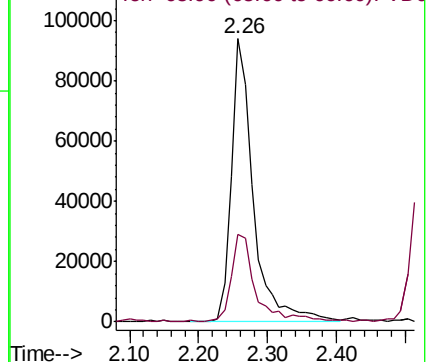
Ion Ratio Lower Upper

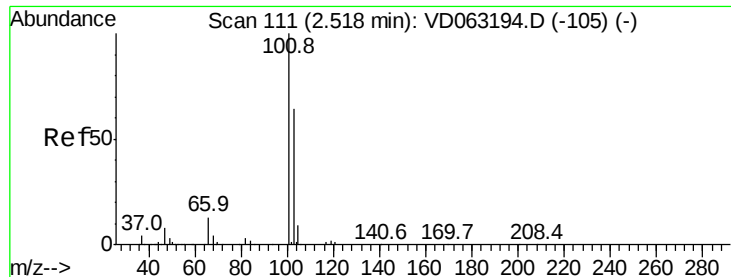
64 100

66 30.9 22.2 33.2



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



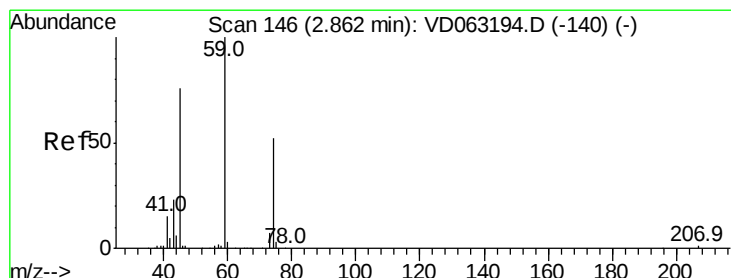
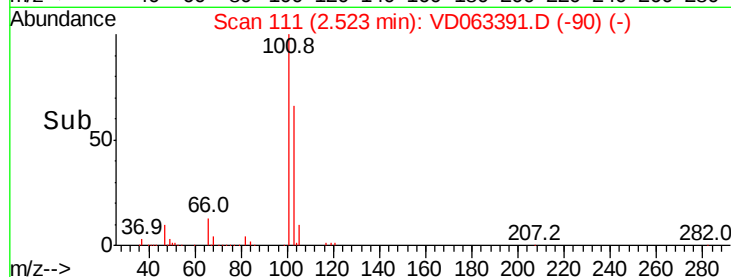
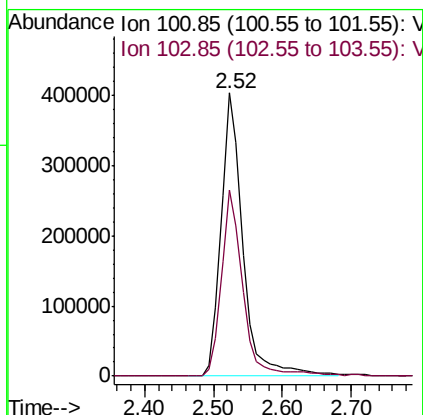
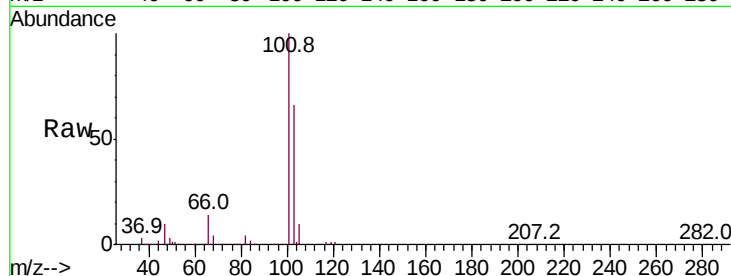


#7

Trichlorofluoromethane  
 Concen: 49.643 ug/l  
 RT: 2.52 min Scan# 111  
 Delta R.T. 0.01 min  
 Lab File: VD063391.D  
 Acq: 5 Aug 2019 20:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

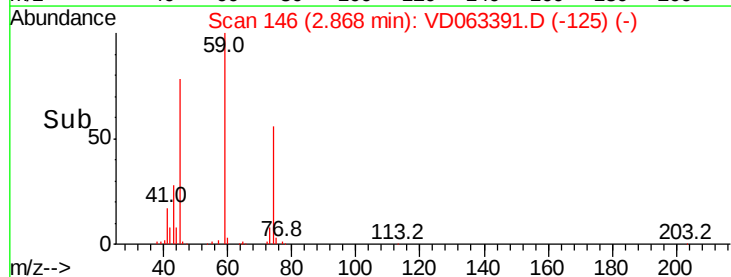
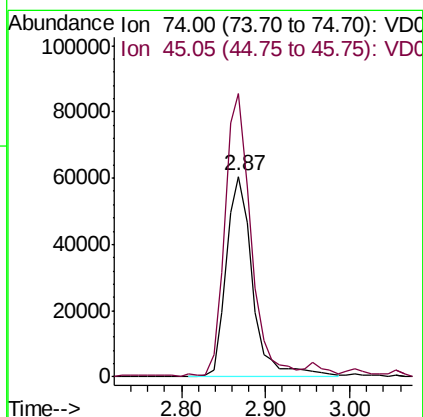
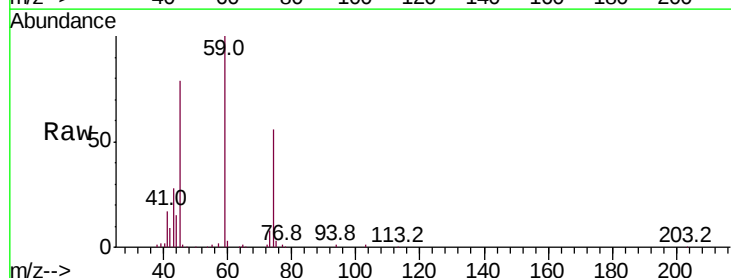
Tot Ion:101 Resp: 887870  
 Ion Ratio Lower Upper  
 101 100  
 103 65.9 51.5 77.3

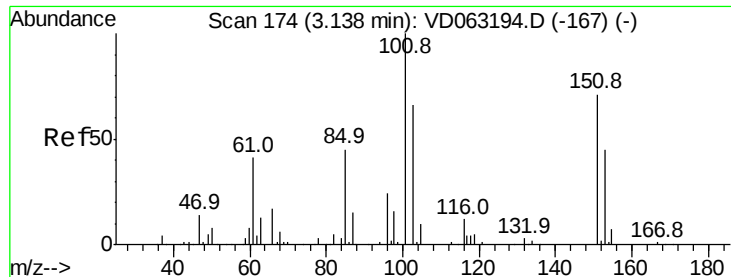


#8

Diethyl Ether  
 Concen: 52.673 ug/l  
 RT: 2.87 min Scan# 146  
 Delta R.T. 0.01 min  
 Lab File: VD063391.D  
 Acq: 5 Aug 2019 20:00

Tgt Ion: 74 Resp: 131845  
 Ion Ratio Lower Upper  
 74 100  
 45 141.3 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.844 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

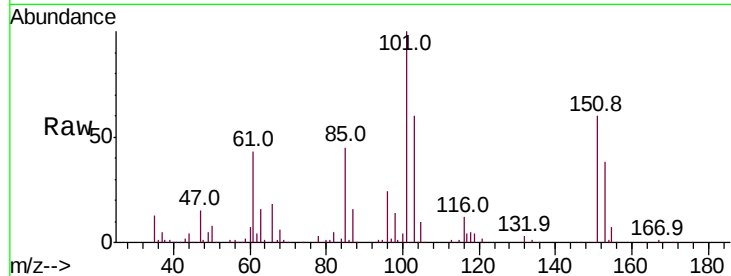
Tot Ion:101 Resp: 454192

Ion Ratio Lower Upper

101 100

85 44.7 36.1 54.1

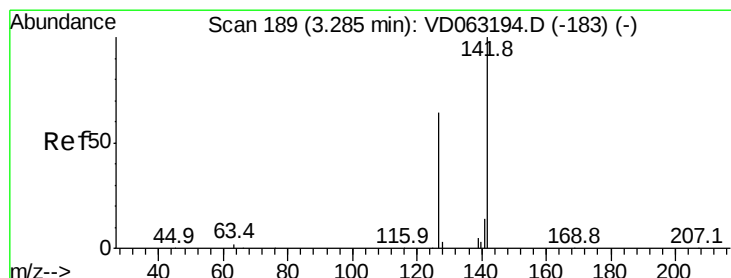
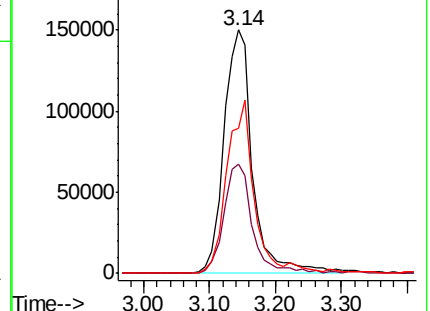
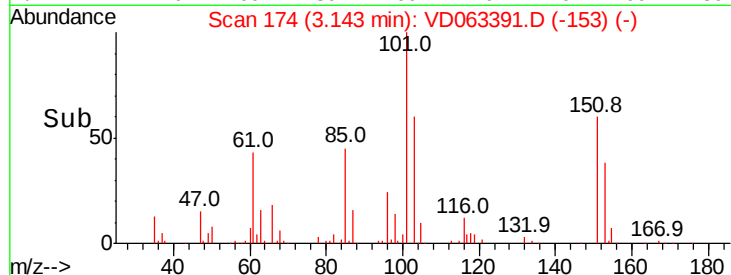
151 59.5 57.1 85.7



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: 47.668 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

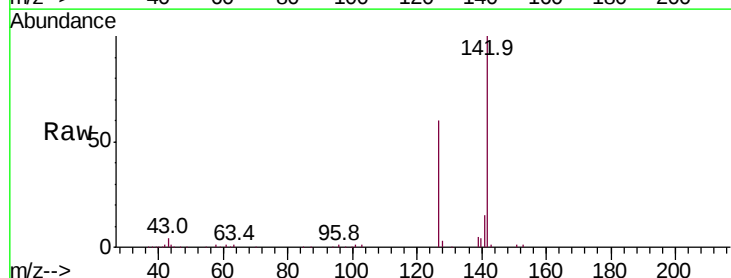
Tgt Ion:142 Resp: 682235

Ion Ratio Lower Upper

142 100

127 59.7 50.8 76.2

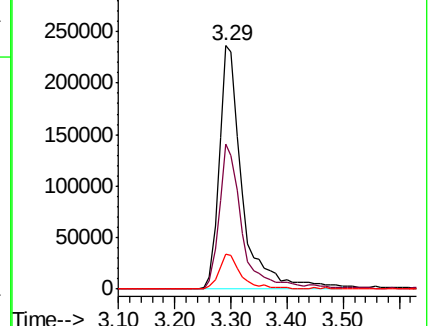
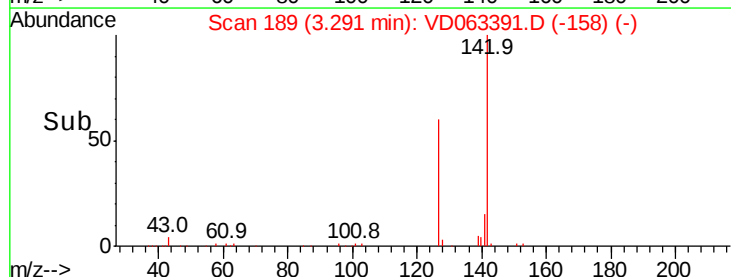
141 14.6 11.4 17.2

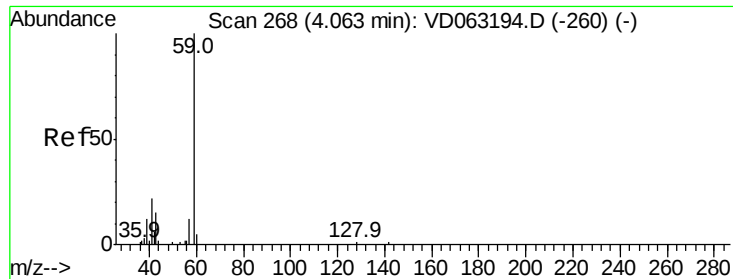


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



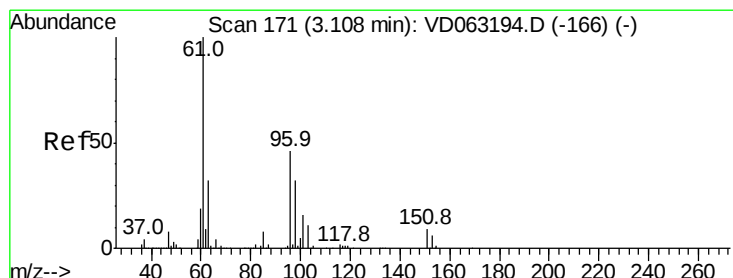
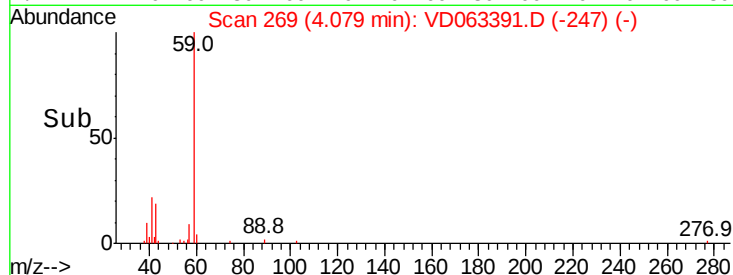
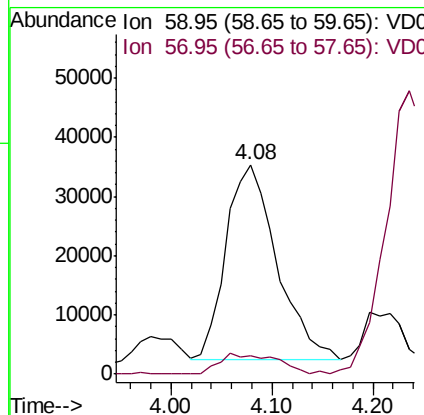
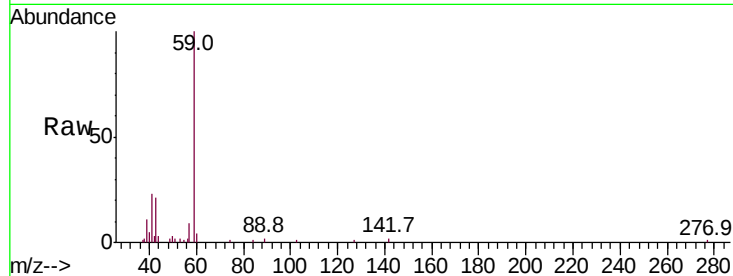


#11

Tert butyl alcohol  
Concen: 253.160 ug/l  
RT: 4.08 min Scan# 269  
Delta R.T. 0.02 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

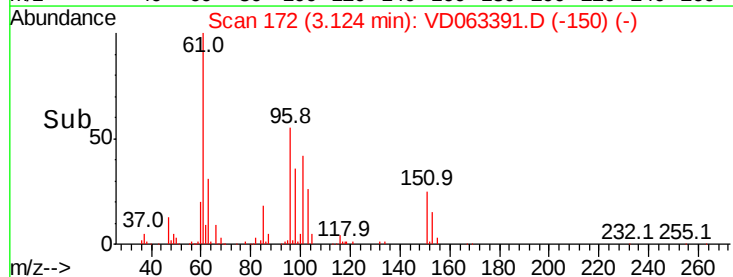
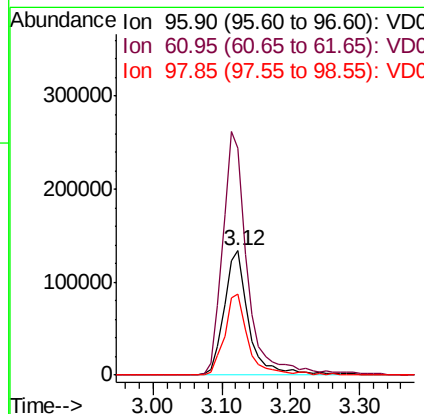
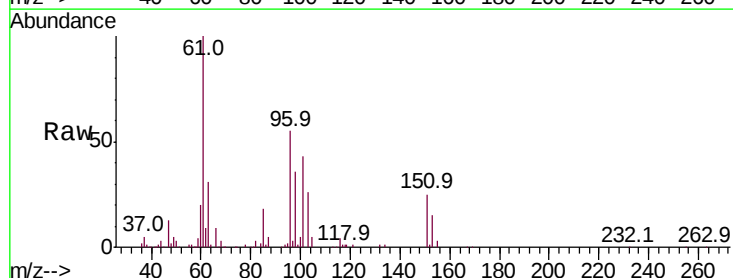
Tot Ion: 59 Resp: 115596  
Ion Ratio Lower Upper  
59 100  
57 8.6 9.6 14.4#

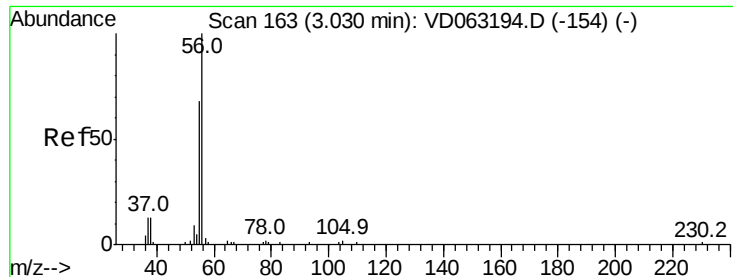


#12

1,1-Dichloroethene  
Concen: 45.061 ug/l  
RT: 3.12 min Scan# 172  
Delta R.T. 0.02 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

Tgt Ion: 96 Resp: 327741  
Ion Ratio Lower Upper  
96 100  
61 181.9 173.7 260.5  
98 65.5 55.8 83.8





#13

Acrolein

Concen: 236.482 ug/l

RT: 3.04 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

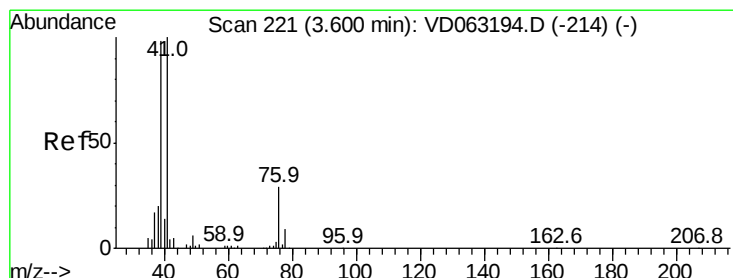
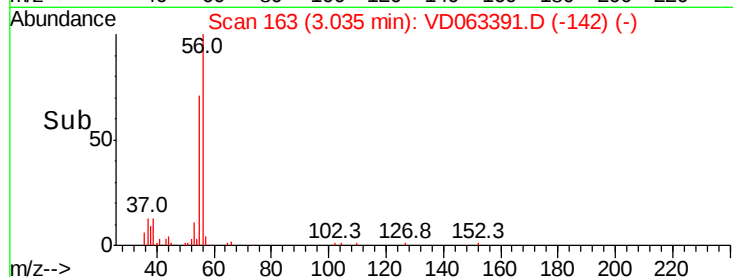
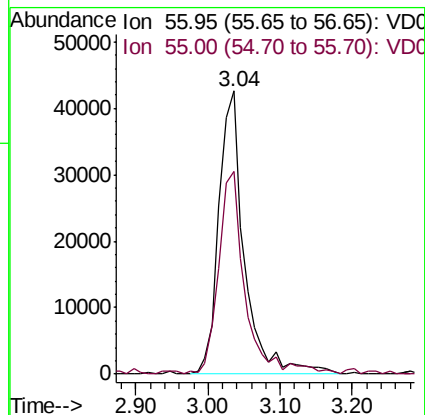
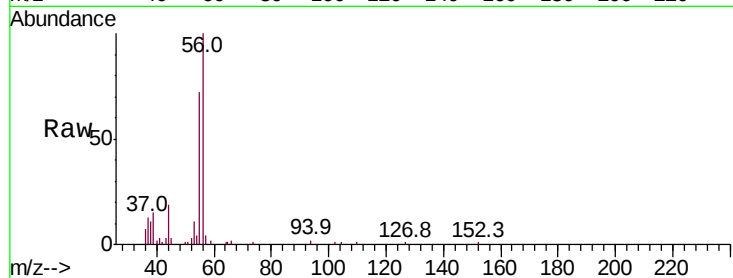
VSTDCCC050EC

Tot Ion: 56 Resp: 103921

Ion Ratio Lower Upper

56 100

55 71.7 55.3 82.9



#14

Allyl chloride

Concen: 46.776 ug/l

RT: 3.62 min Scan# 222

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

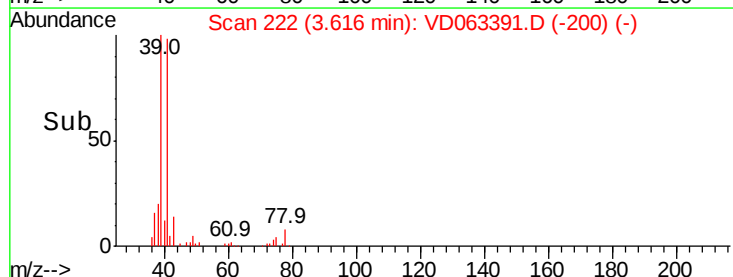
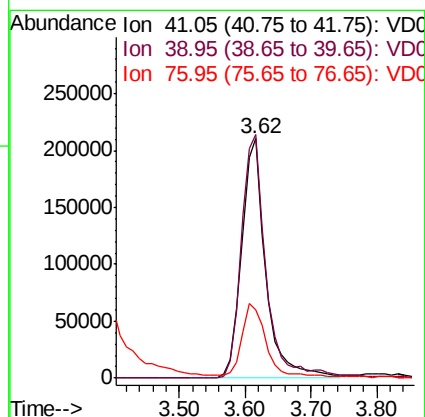
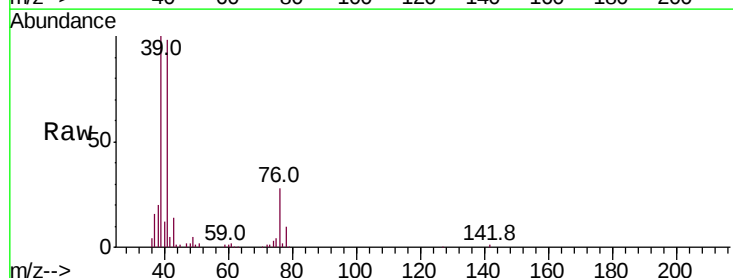
Tgt Ion: 41 Resp: 541967

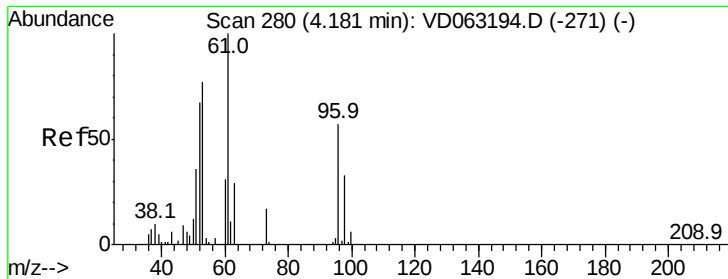
Ion Ratio Lower Upper

41 100

39 101.7 78.6 117.8

76 28.4 24.5 36.7





#15

Acrylonitrile

Concen: 273.808 ug/l

RT: 4.20 min Scan# 281

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

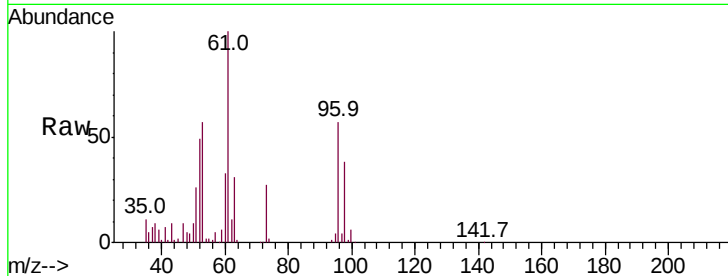
Tot Ion: 53 Resp: 324135

Ion Ratio Lower Upper

53 100

52 86.2 69.7 104.5

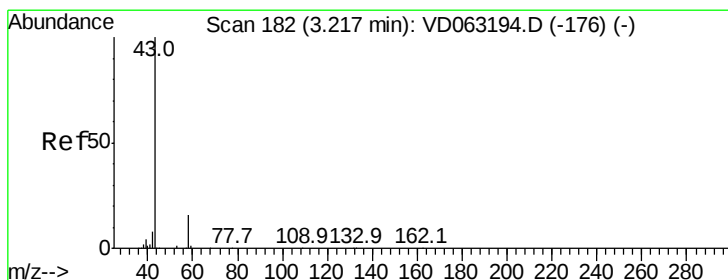
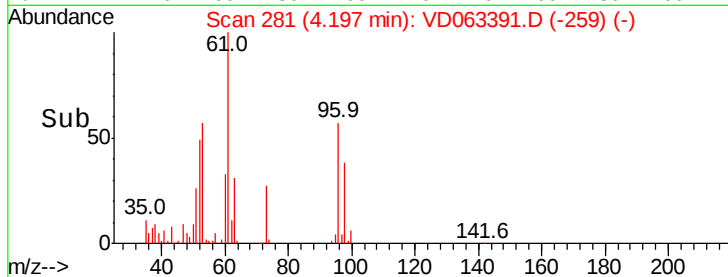
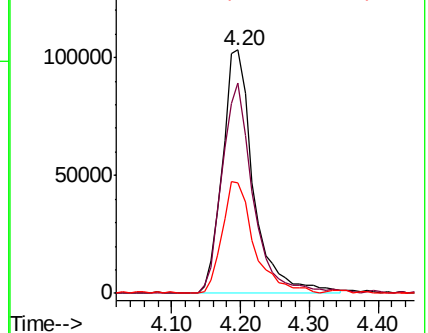
51 45.5 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 244.042 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD063391.D

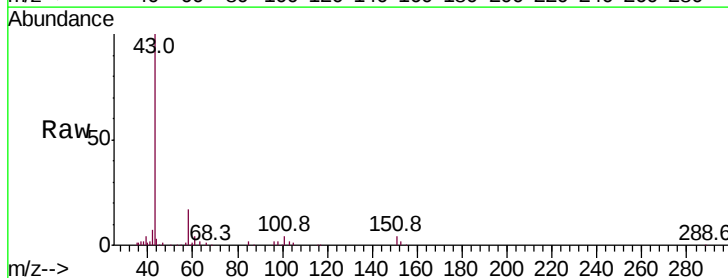
Acq: 5 Aug 2019 20:00

Tgt Ion: 43 Resp: 494736

Ion Ratio Lower Upper

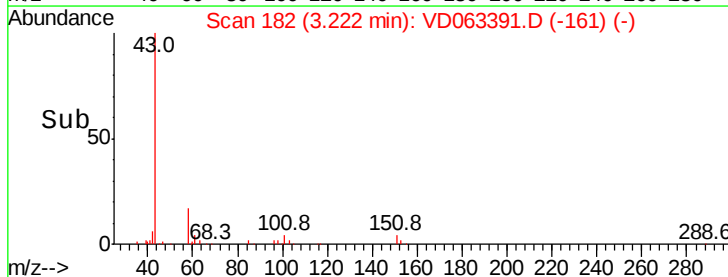
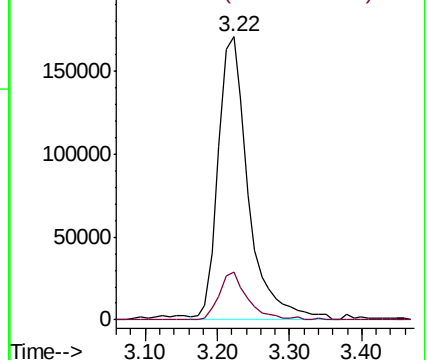
43 100

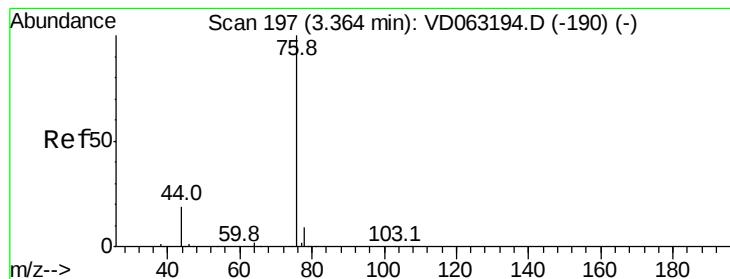
58 17.0 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 44.132 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

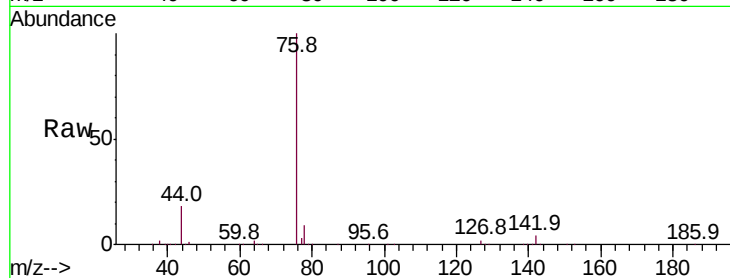
VSTDCCC050EC

Tot Ion: 76 Resp: 1074370

Ion Ratio Lower Upper

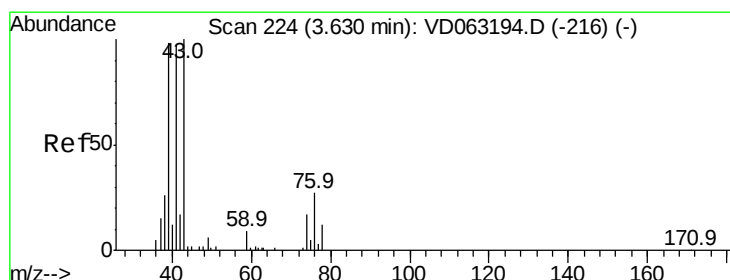
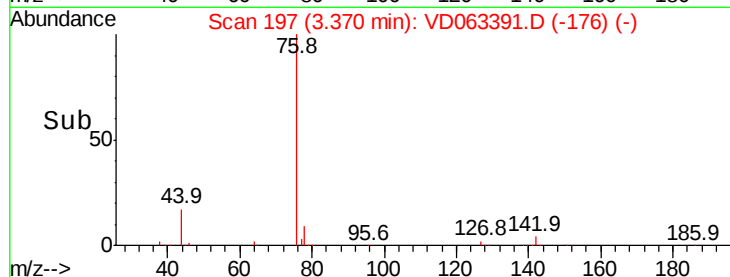
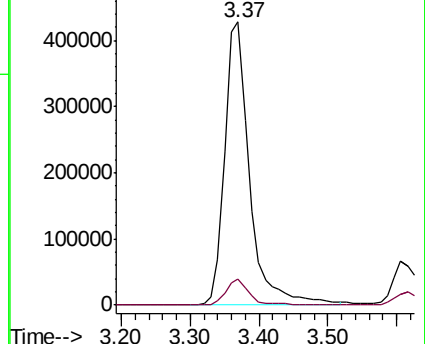
76 100

78 9.2 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: 55.903 ug/l

RT: 3.64 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD063391.D

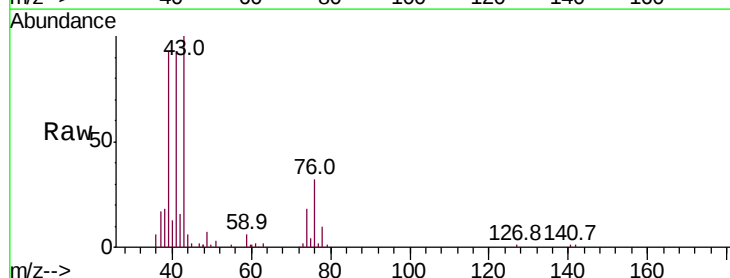
Acq: 5 Aug 2019 20:00

Tgt Ion: 43 Resp: 217687

Ion Ratio Lower Upper

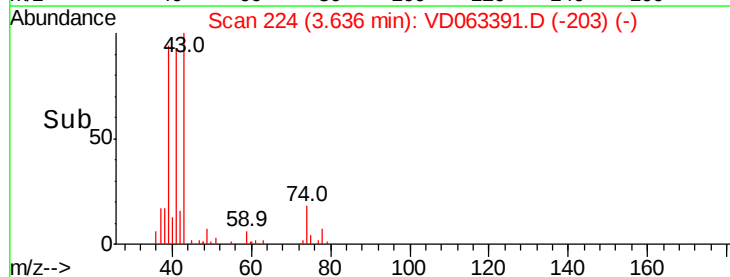
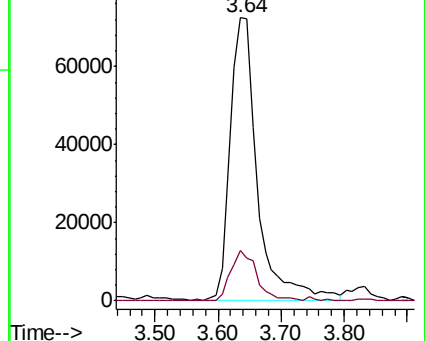
43 100

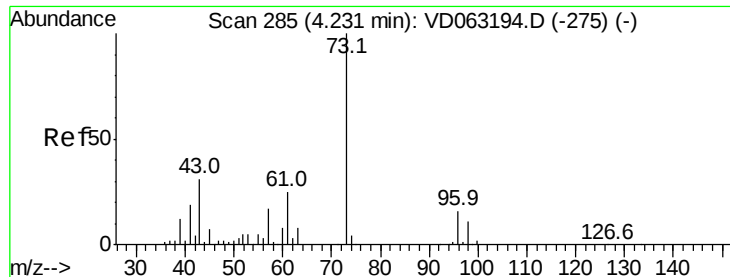
74 17.7 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



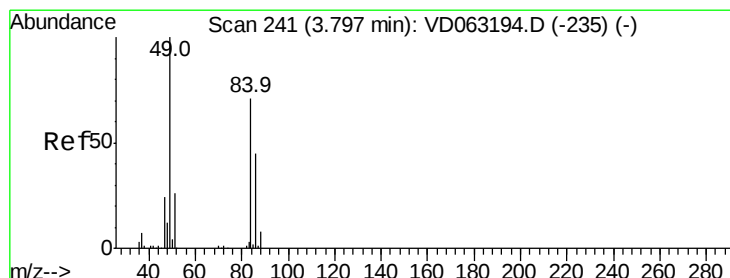
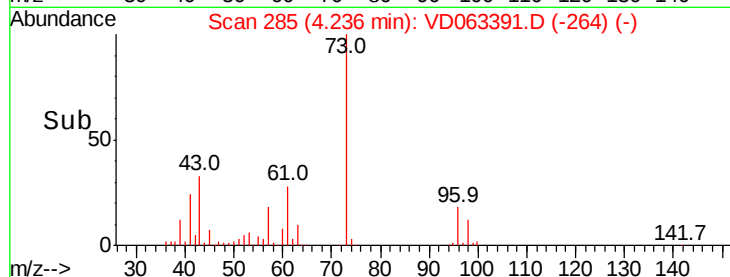
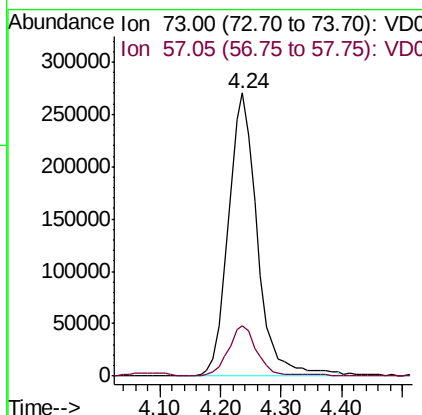
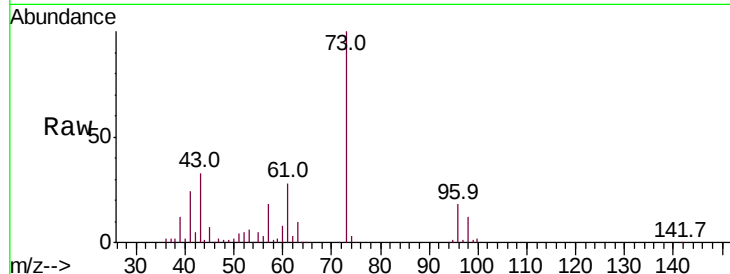


#19

Methyl tert-butyl Ether  
 Concen: 54.578 ug/l  
 RT: 4.24 min Scan# 285  
 Delta R.T. 0.01 min  
 Lab File: VD063391.D  
 Acq: 5 Aug 2019 20:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

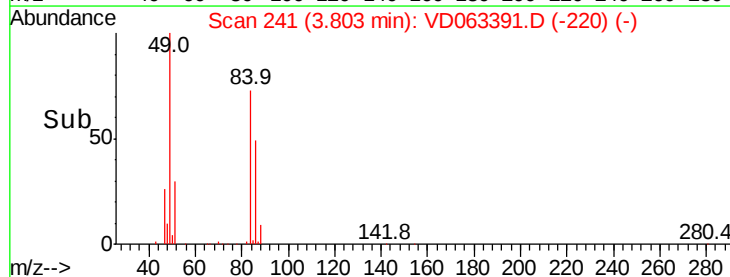
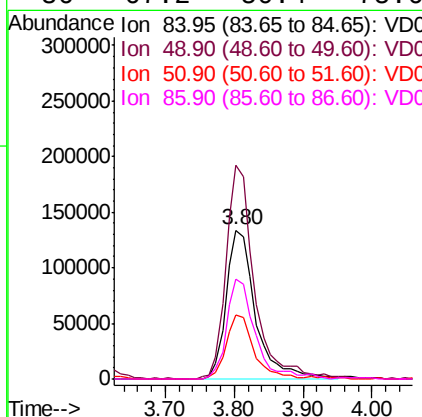
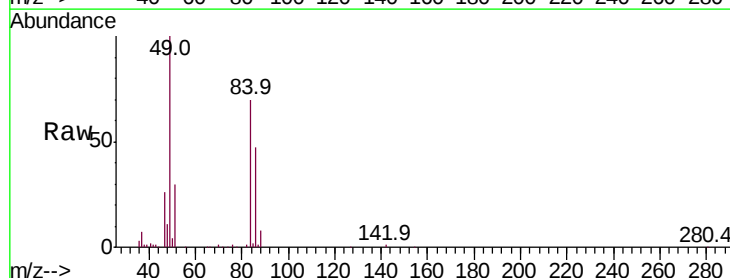
Tot Ion: 73 Resp: 896671  
 Ion Ratio Lower Upper  
 73 100  
 57 17.7 13.8 20.6

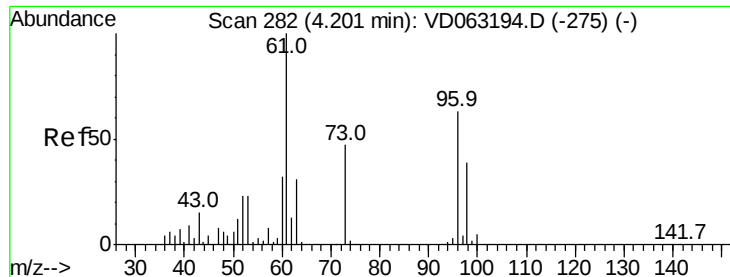


#20

Methylene Chloride  
 Concen: 48.229 ug/l  
 RT: 3.80 min Scan# 241  
 Delta R.T. 0.01 min  
 Lab File: VD063391.D  
 Acq: 5 Aug 2019 20:00

Tgt Ion: 84 Resp: 395212  
 Ion Ratio Lower Upper  
 84 100  
 49 143.8 112.5 168.7  
 51 43.2 29.6 44.4  
 86 67.2 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 50.140 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

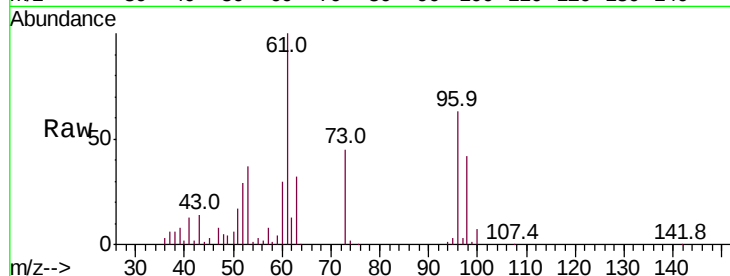
Tot Ion: 96 Resp: 409181

Ion Ratio Lower Upper

96 100

61 158.5 127.4 191.2

98 67.0 49.3 73.9

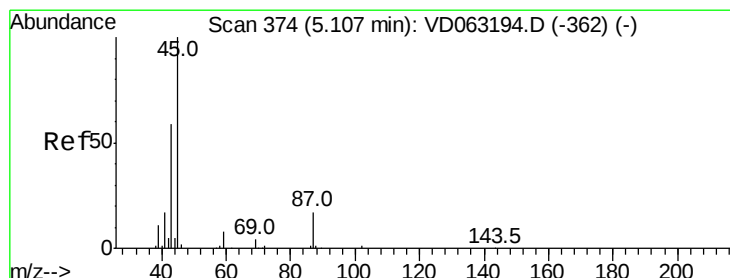
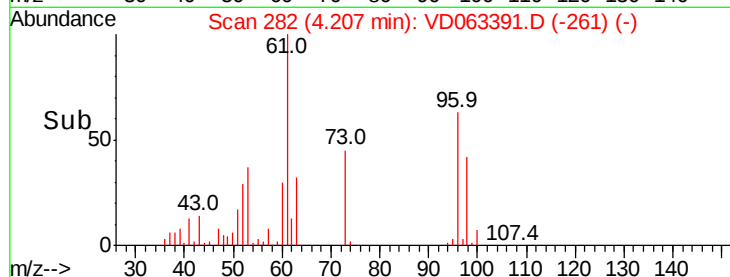
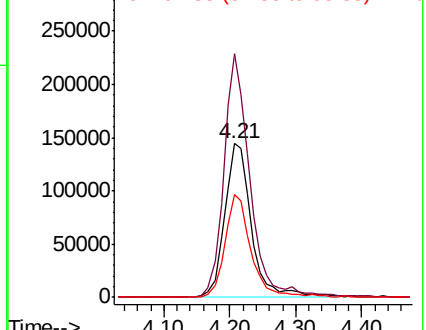


Abundance

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: 53.226 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Tgt Ion: 45 Resp: 1232114

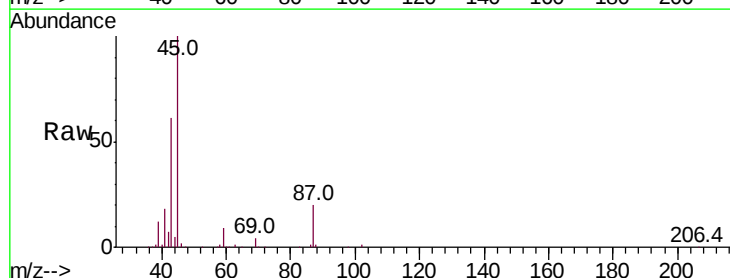
Ion Ratio Lower Upper

45 100

43 60.8 51.7 77.5

87 19.6 14.6 21.8

59 9.3 6.6 10.0



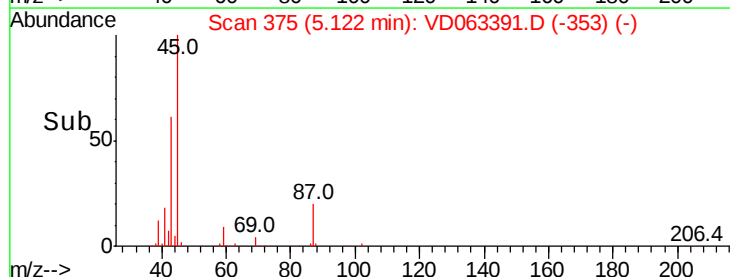
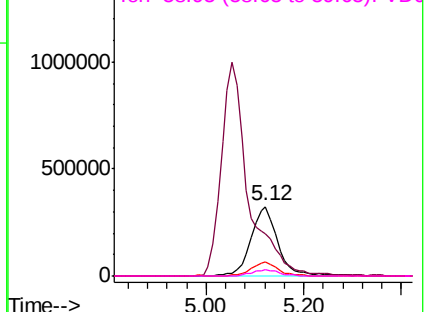
Abundance

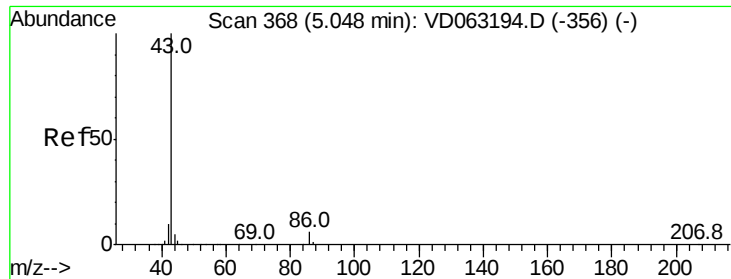
Ion 45.05 (44.75 to 45.75): VDC

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: 268.429 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

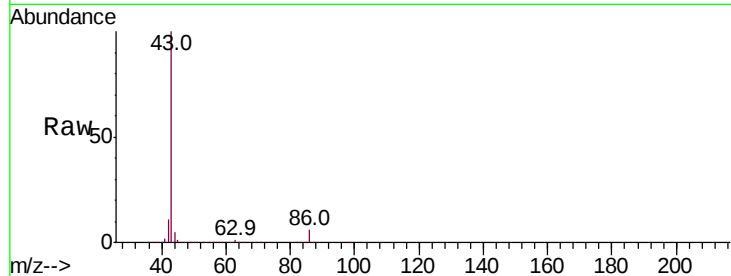
VSTDCCC050EC

Tot Ion: 43 Resp: 3819604

Ion Ratio Lower Upper

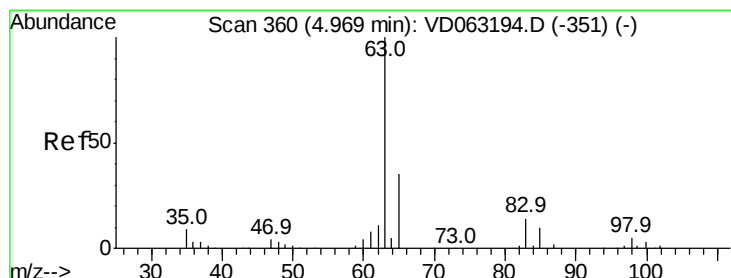
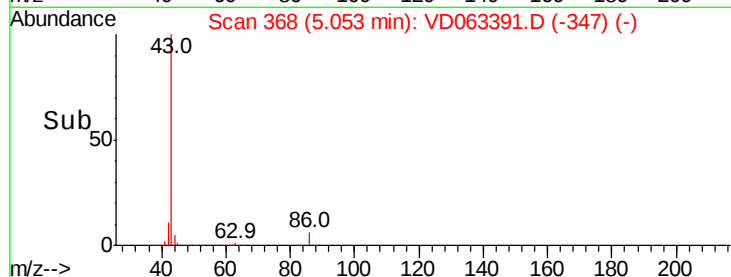
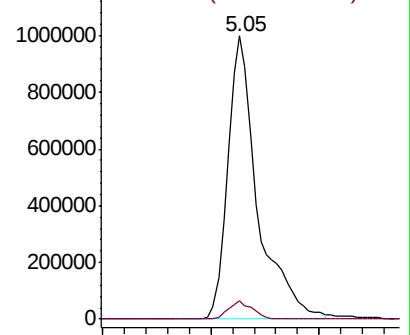
43 100

86 6.4 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: 50.316 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

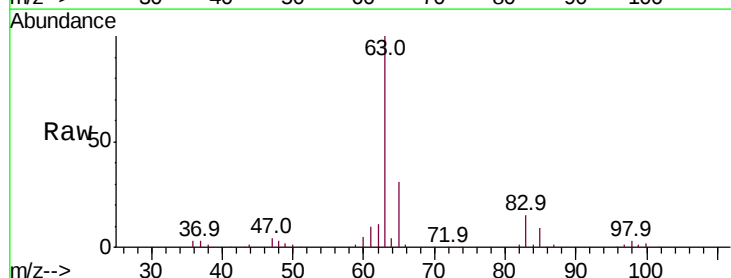
Tgt Ion: 63 Resp: 743985

Ion Ratio Lower Upper

63 100

98 3.3 2.8 8.4

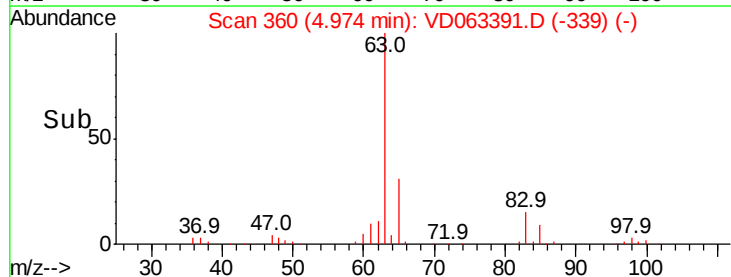
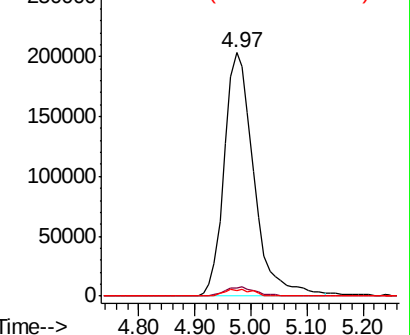
100 2.2 1.3 3.9

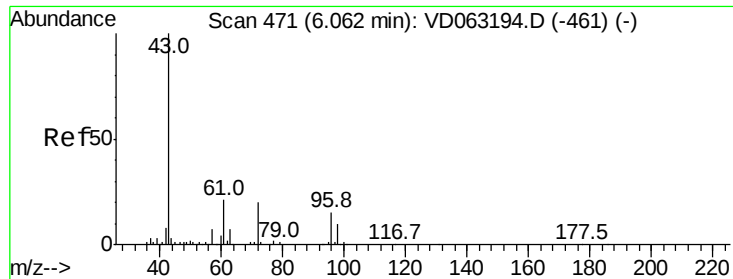


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 254.443 ug/l

RT: 6.07 min Scan# 471

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

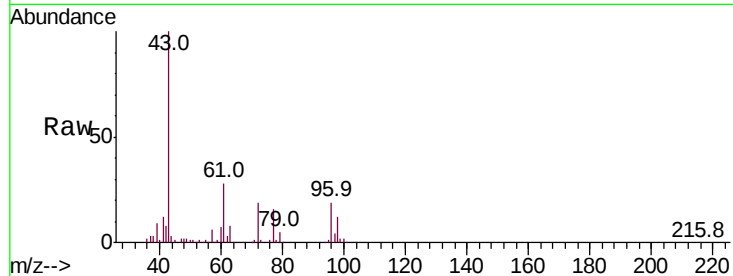
VSTDCCC050EC

Tot Ion: 43 Resp: 517670

Ion Ratio Lower Upper

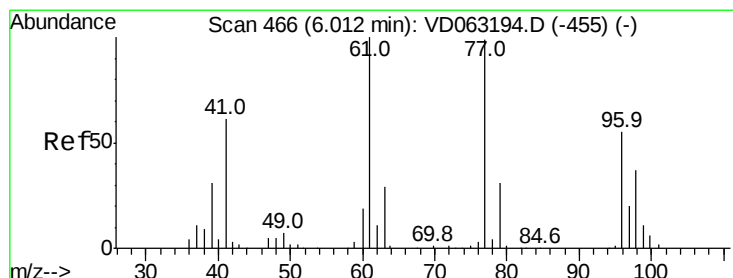
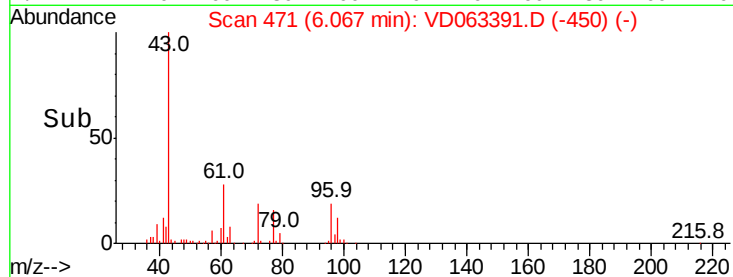
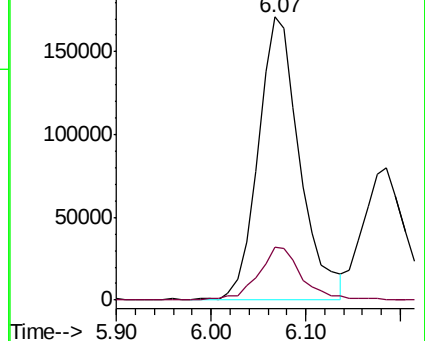
43 100

72 18.6 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.908 ug/l

RT: 6.02 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD063391.D

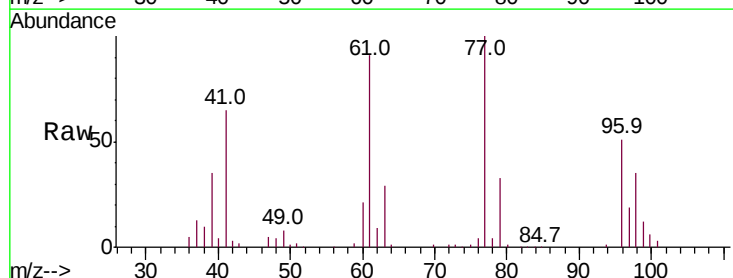
Acq: 5 Aug 2019 20:00

Tgt Ion: 77 Resp: 730013

Ion Ratio Lower Upper

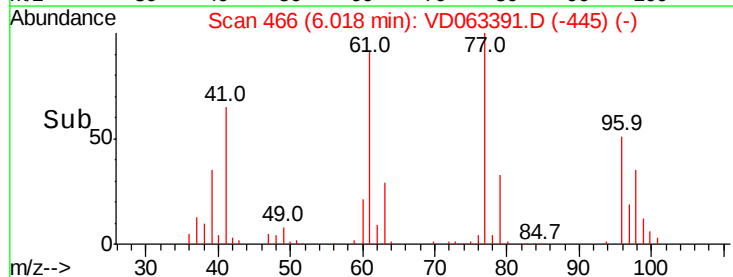
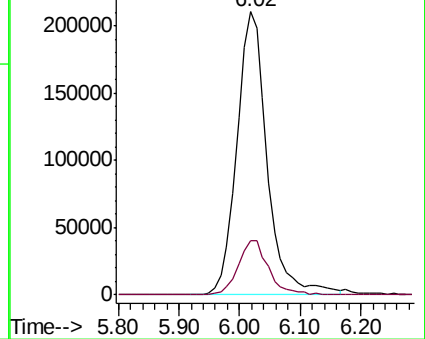
77 100

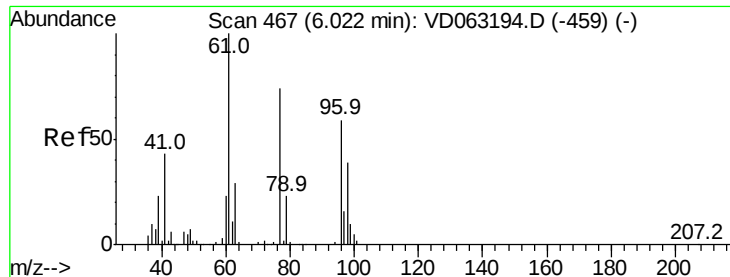
97 19.3 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 51.658 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

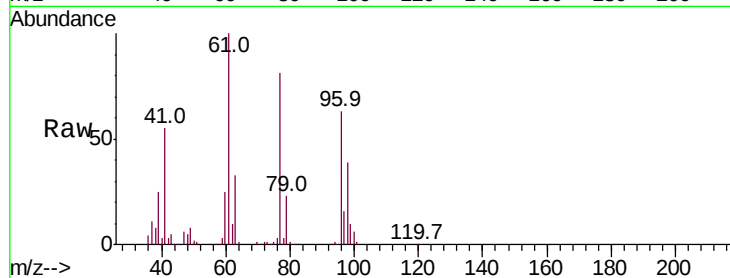
Tot Ion: 96 Resp: 451986

Ion Ratio Lower Upper

96 100

61 159.4 0.0 337.2

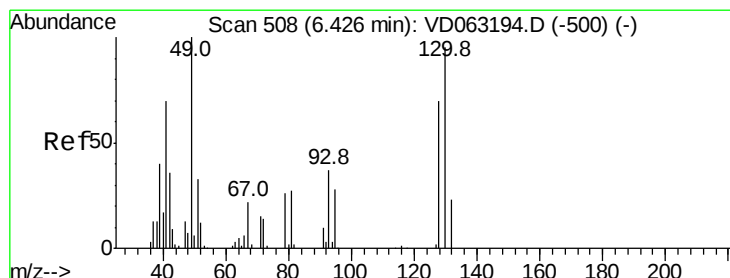
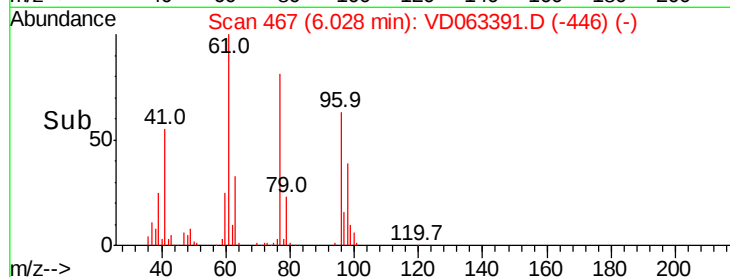
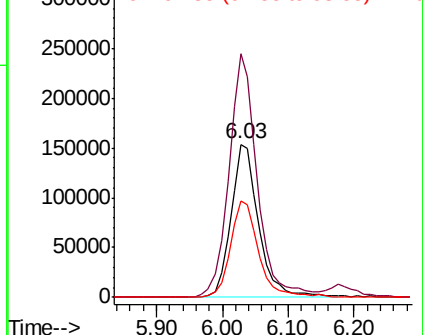
98 62.8 0.0 130.6



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: 50.272 ug/l

RT: 6.43 min Scan# 508

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

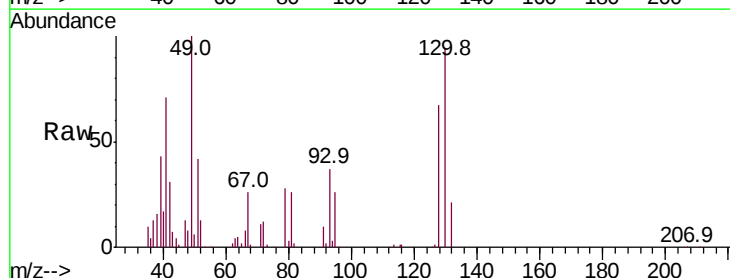
Tgt Ion: 49 Resp: 296165

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

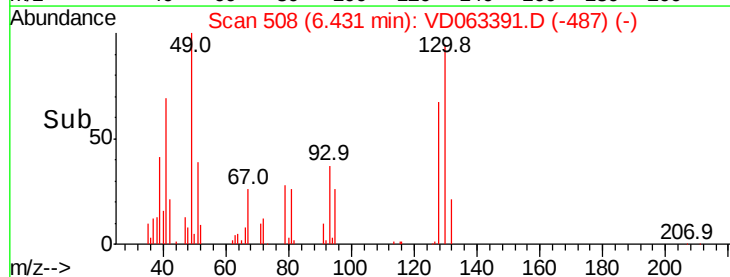
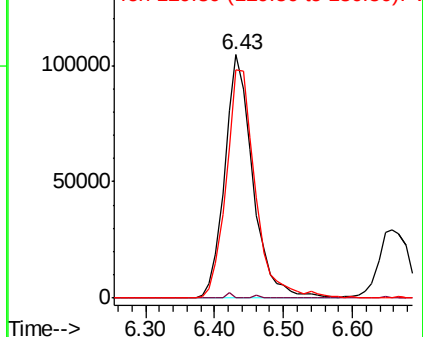
130 93.9 75.7 113.5

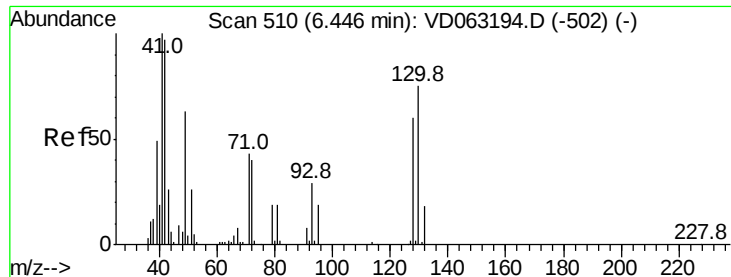


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 269.411 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

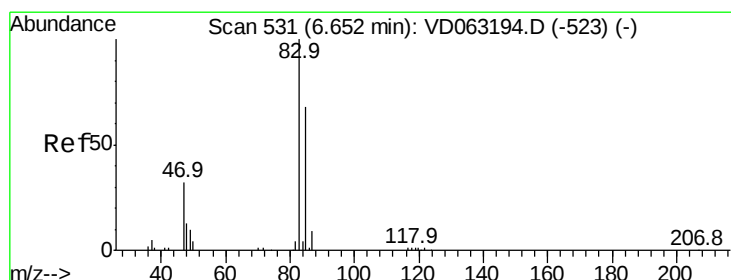
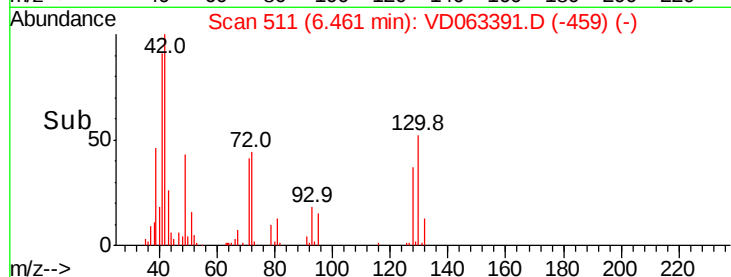
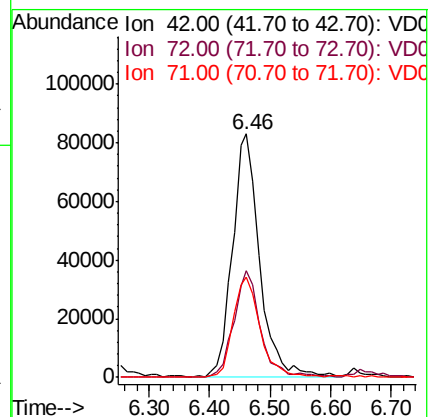
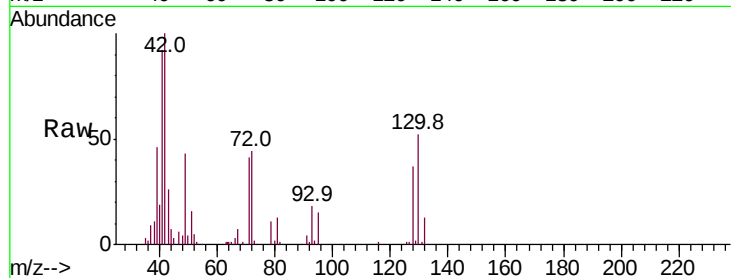
Tot Ion: 42 Resp: 259508

Ion Ratio Lower Upper

42 100

72 41.3 33.4 50.2

71 40.8 35.7 53.5



#30

Chloroform

Concen: 52.405 ug/l

RT: 6.66 min Scan# 531

Delta R.T. 0.01 min

Lab File: VD063391.D

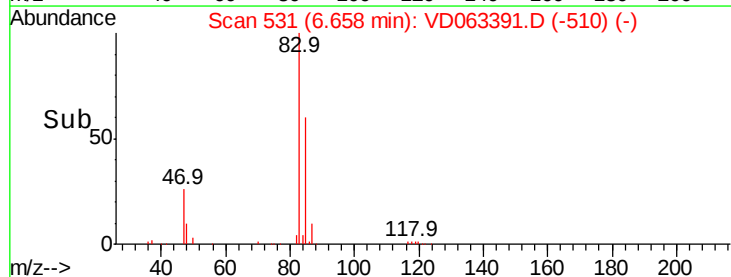
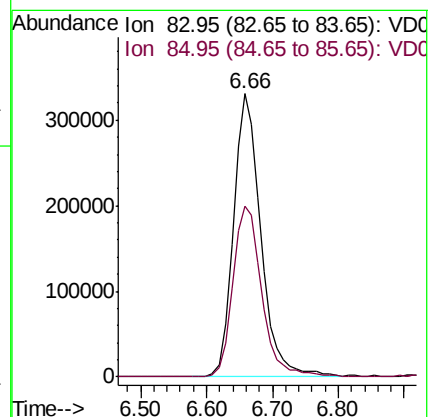
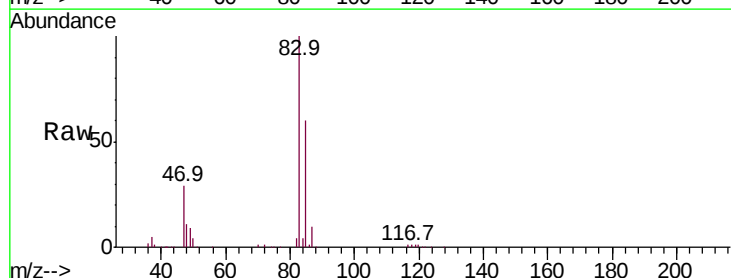
Acq: 5 Aug 2019 20:00

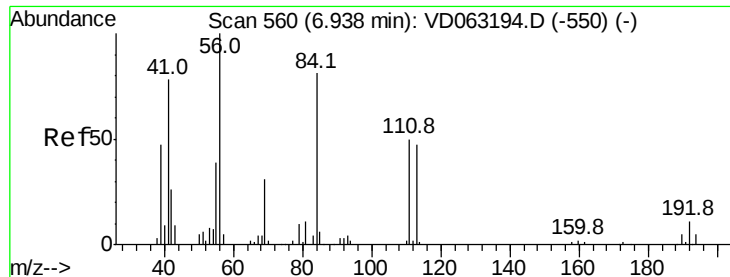
Tgt Ion: 83 Resp: 961634

Ion Ratio Lower Upper

83 100

85 60.4 54.2 81.4





#31

Cyclohexane

Concen: 47.000 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

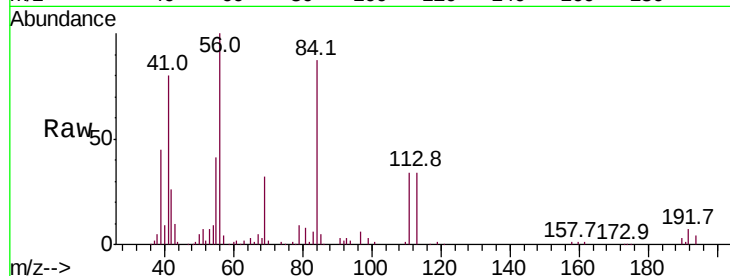
Tot Ion: 56 Resp: 435601

Ion Ratio Lower Upper

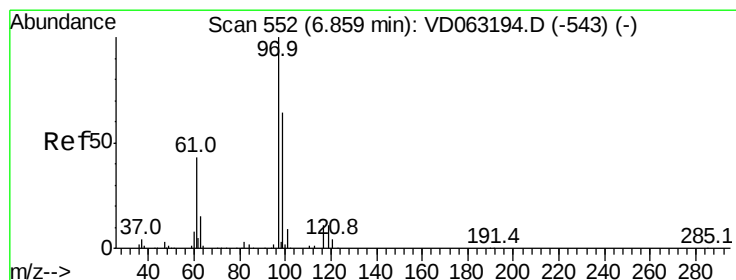
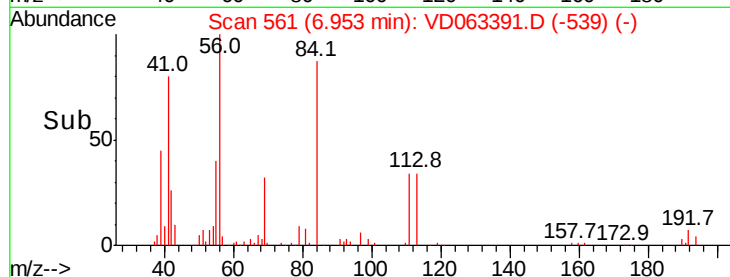
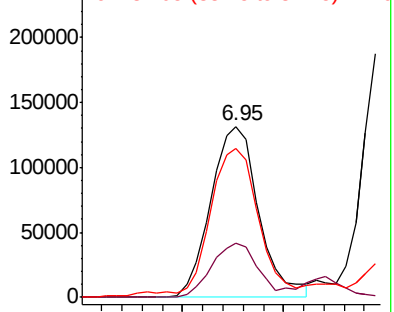
56 100

69 31.5 24.5 36.7

84 86.6 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: 50.028 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

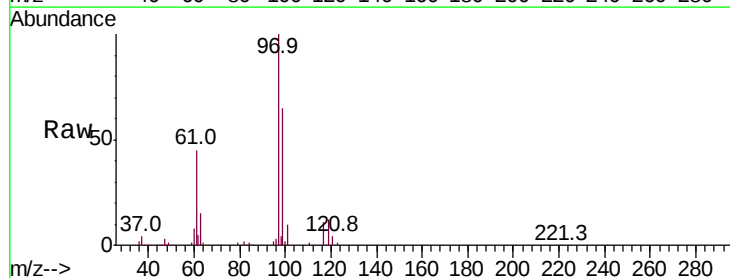
Tgt Ion: 97 Resp: 887948

Ion Ratio Lower Upper

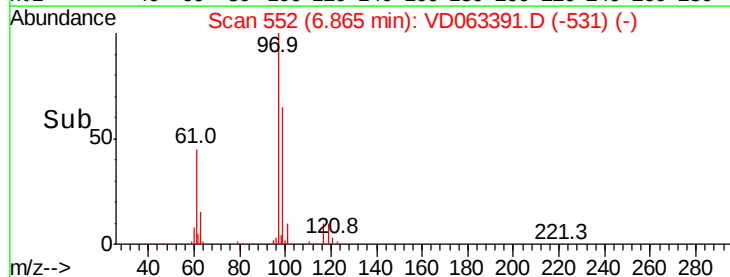
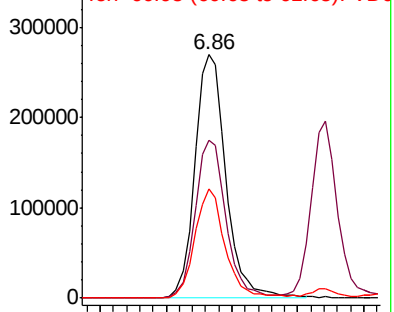
97 100

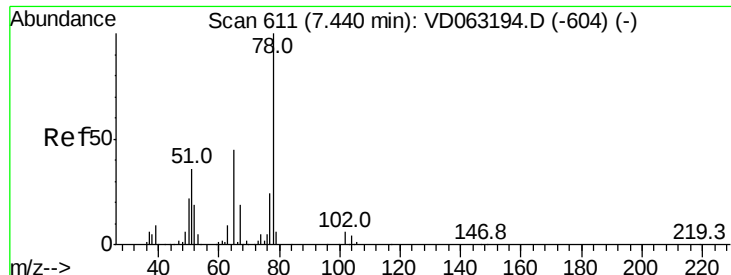
99 64.6 51.2 76.8

61 44.7 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: 50.679 ug/l

RT: 7.46 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

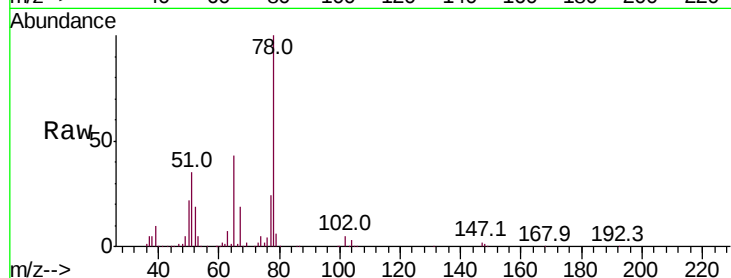
VSTDCCC050EC

Tot Ion: 65 Resp: 527304

Ion Ratio Lower Upper

65 100

67 43.4 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

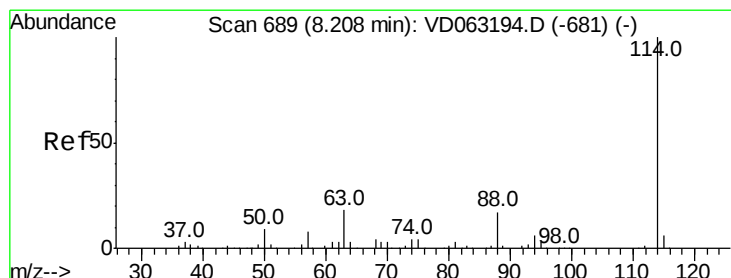
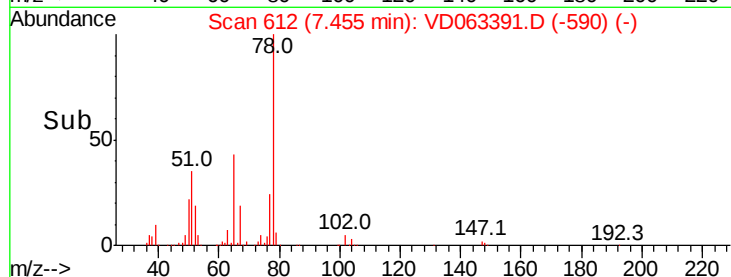
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

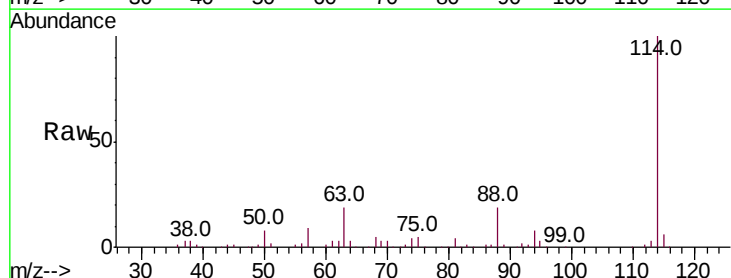
Tgt Ion: 114 Resp: 1288726

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.2

88 19.0 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.21

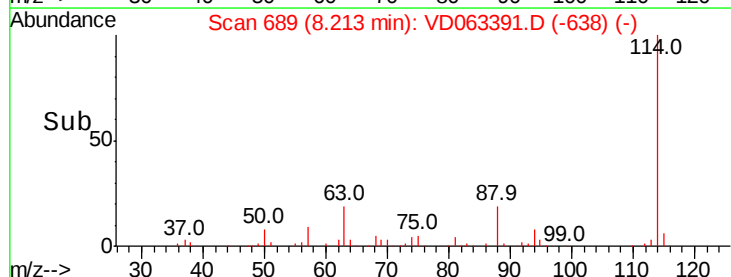
600000

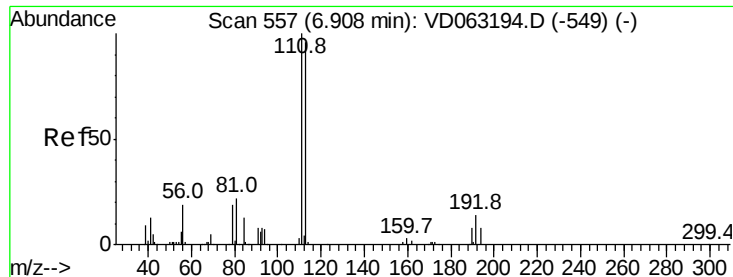
400000

200000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 51.343 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

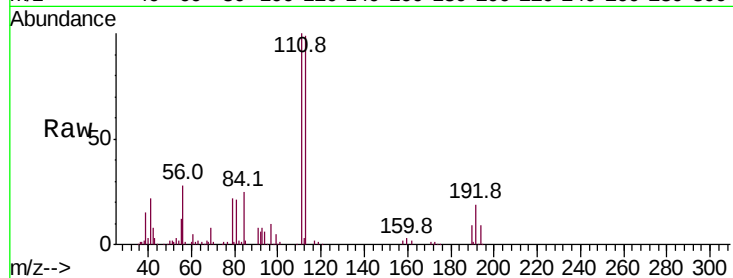
Tot Ion:113 Resp: 564924

Ion Ratio Lower Upper

113 100

111 100.6 83.2 124.8

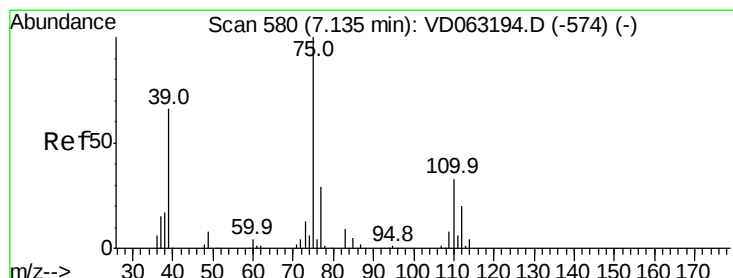
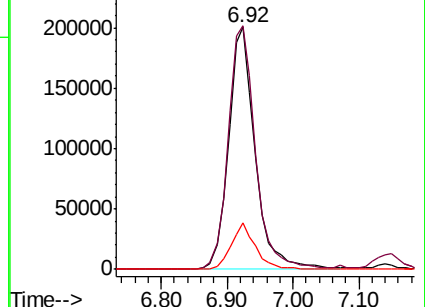
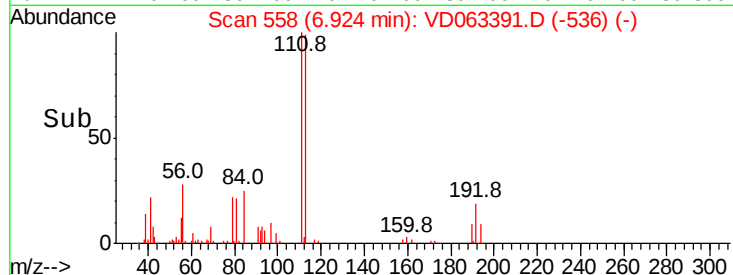
192 19.3 11.8 17.8#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 51.812 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

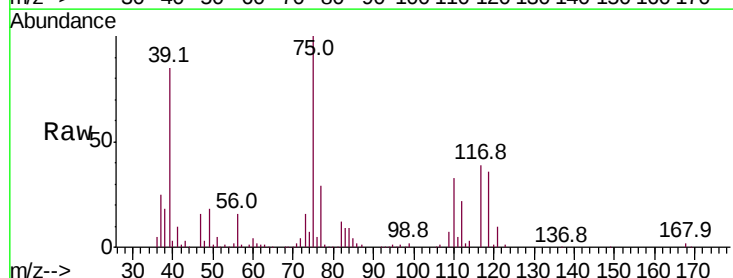
Tgt Ion: 75 Resp: 609372

Ion Ratio Lower Upper

75 100

110 32.6 16.1 48.2

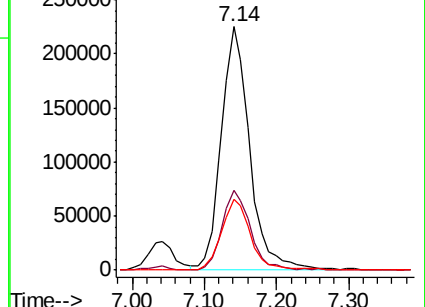
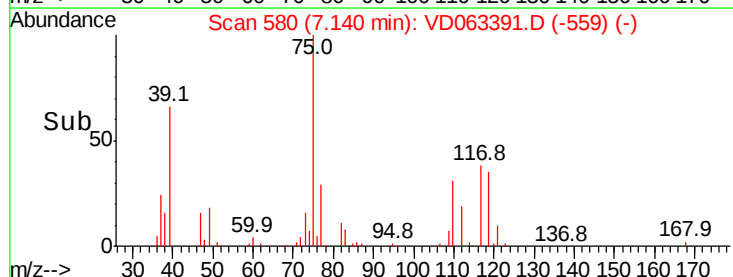
77 29.0 22.7 34.1

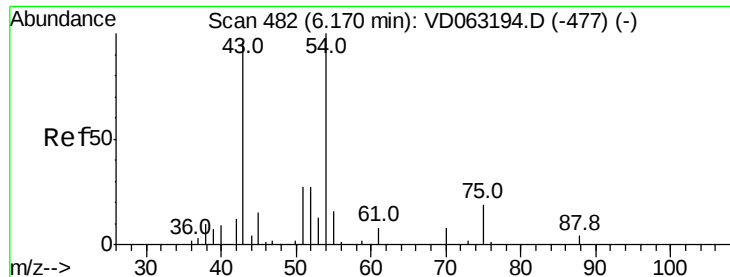


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 48.749 ug/l

RT: 6.19 min Scan# 483

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

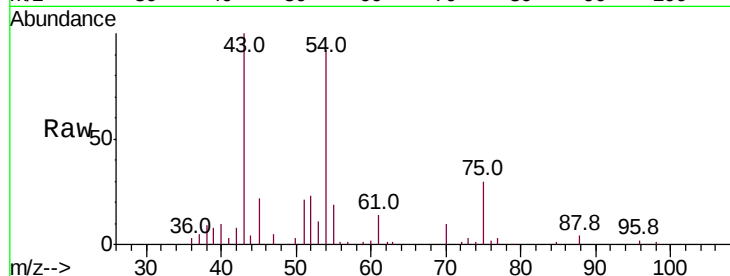
Tot Ion: 43 Resp: 257582

Ion Ratio Lower Upper

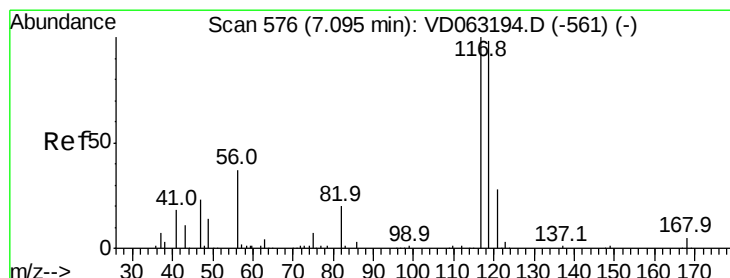
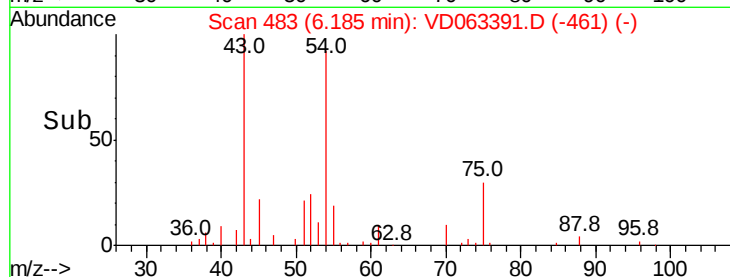
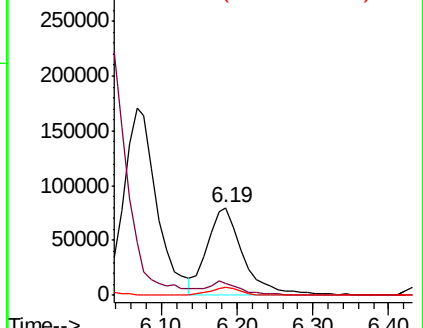
43 100

61 13.8 11.3 16.9

70 9.8 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: 53.534 ug/l

RT: 7.11 min Scan# 577

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

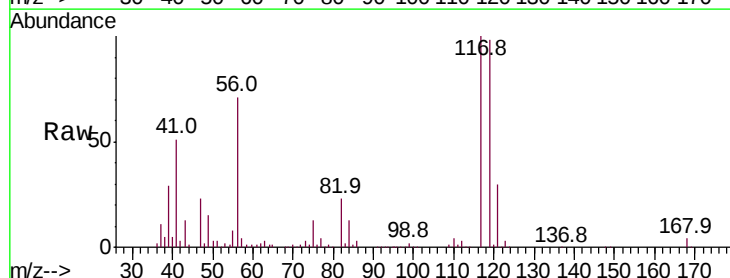
Tgt Ion: 117 Resp: 947890

Ion Ratio Lower Upper

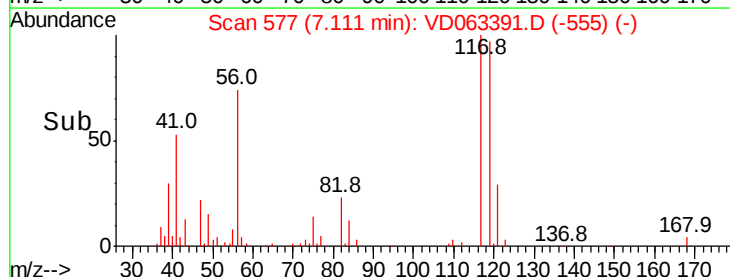
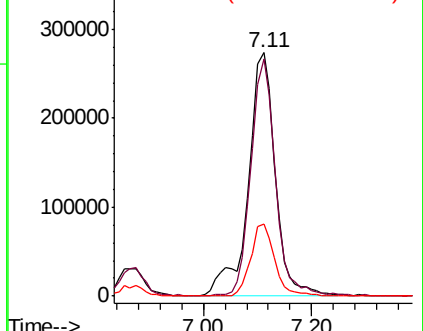
117 100

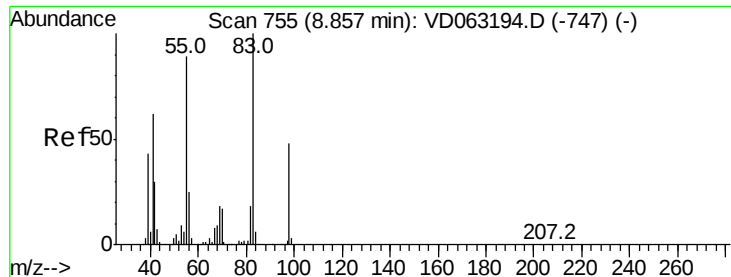
119 97.5 78.2 117.2

121 29.6 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

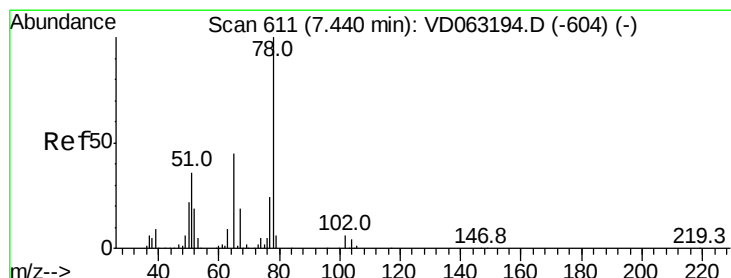
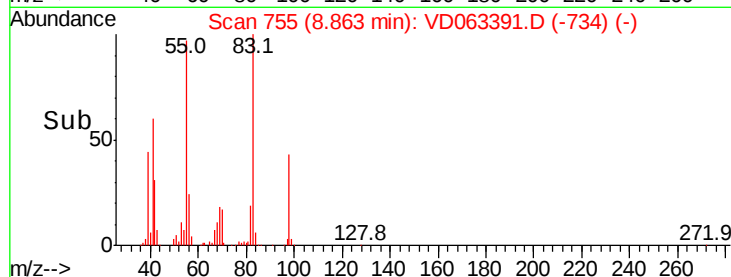
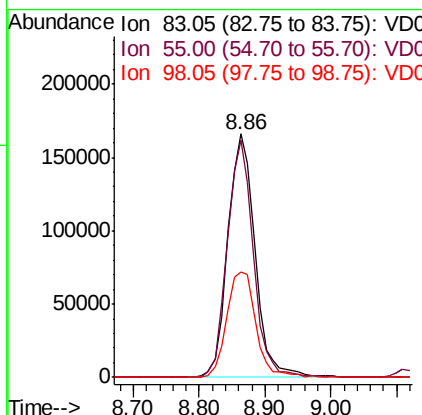
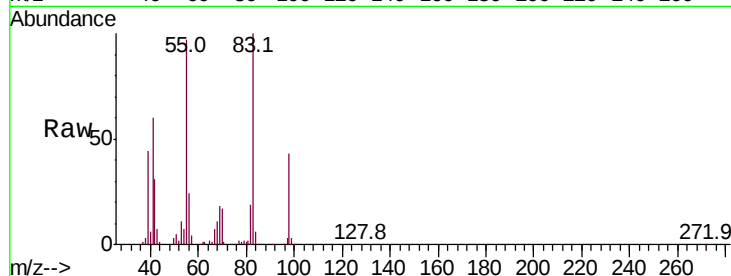




#39  
Methvlcvclohexane  
Concen: 49.108 ug/l  
RT: 8.86 min Scan# 755  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

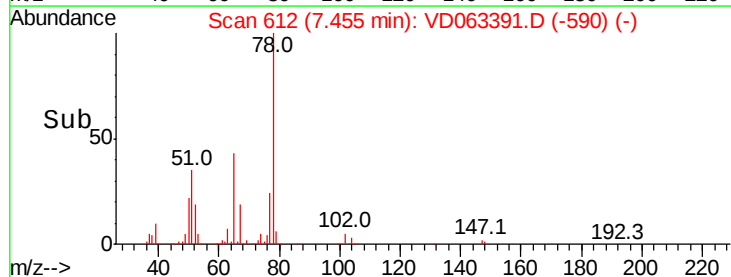
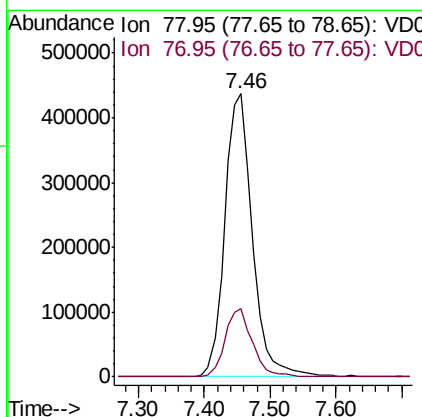
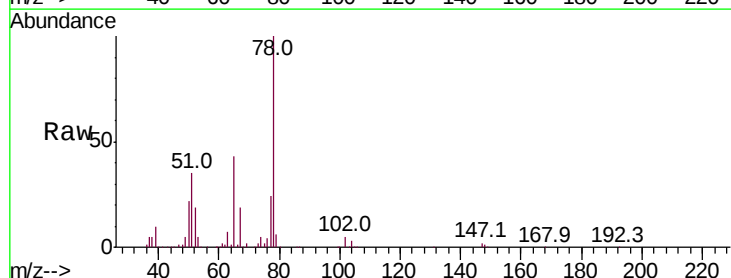
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

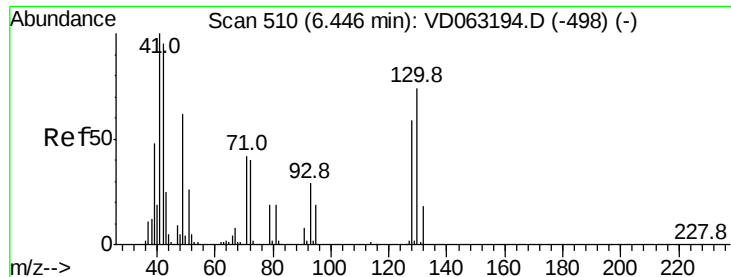
Tot Ion: 83 Resp: 481213  
Ion Ratio Lower Upper  
83 100  
55 97.5 71.1 106.7  
98 43.3 38.5 57.7



#40  
Benzene  
Concen: 52.065 ug/l  
RT: 7.46 min Scan# 612  
Delta R.T. 0.02 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

Tgt Ion: 78 Resp: 1283364  
Ion Ratio Lower Upper  
78 100  
77 24.1 19.4 29.2

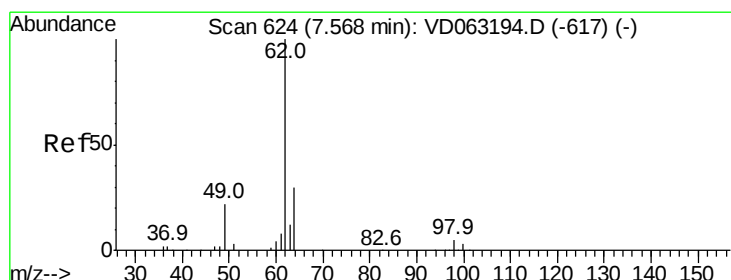
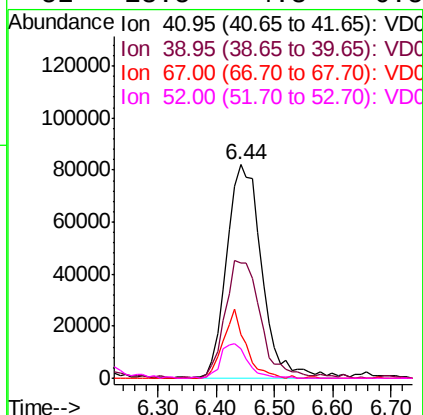
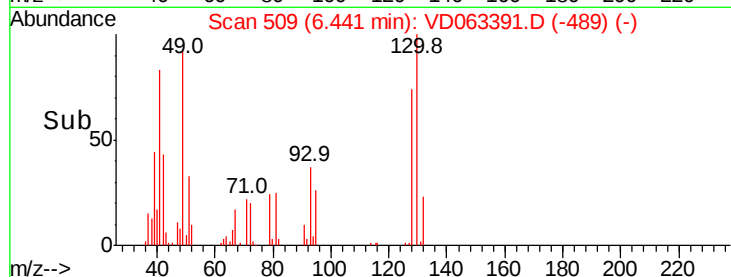
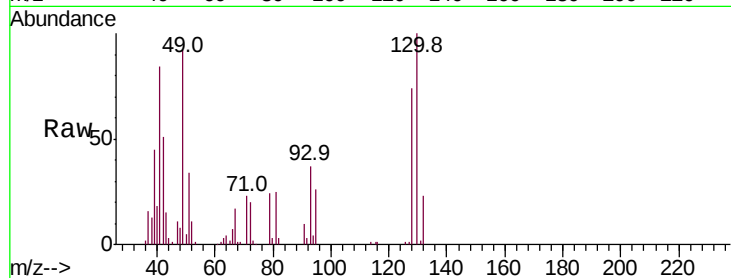




#41  
Methacrylonitrile  
Concen: 54.581 ug/l  
RT: 6.44 min Scan# 509  
Delta R.T. -0.00 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

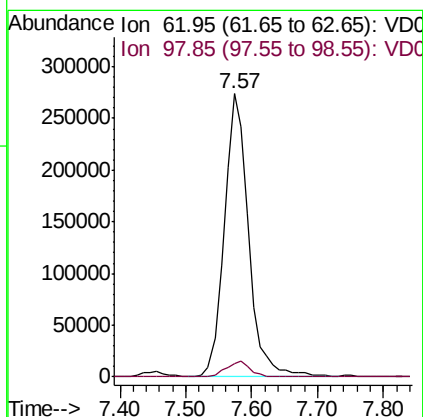
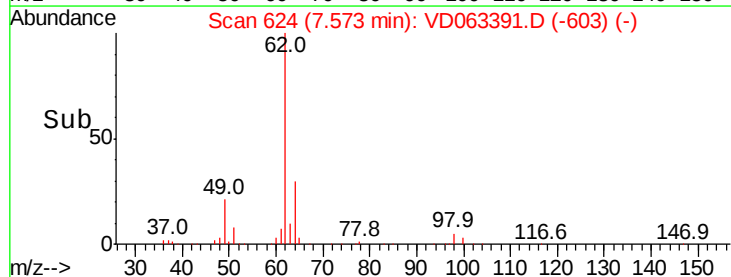
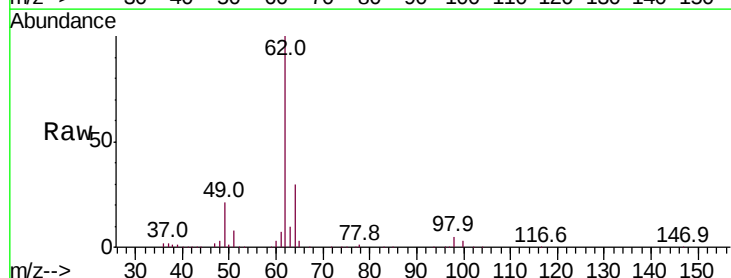
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

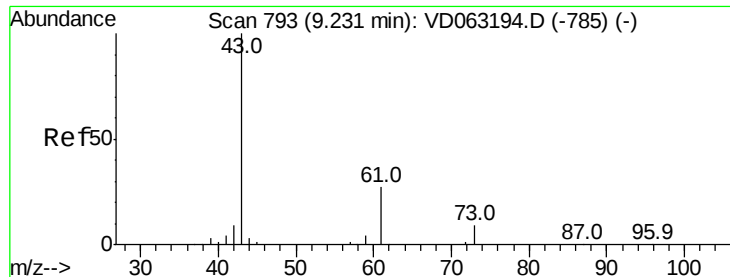
Tot Ion: 41 Resp: 344983  
Ion Ratio Lower Upper  
41 100  
39 53.9 38.4 57.6  
67 20.5 6.7 10.1#  
52 13.5 4.3 6.5#



#42  
1,2-Dichloroethane  
Concen: 53.968 ug/l  
RT: 7.57 min Scan# 624  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

Tgt Ion: 62 Resp: 705018  
Ion Ratio Lower Upper  
62 100  
98 4.8 0.0 9.8





#43

Isopropyl Acetate

Concen: 53.744 ug/l

RT: 9.24 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

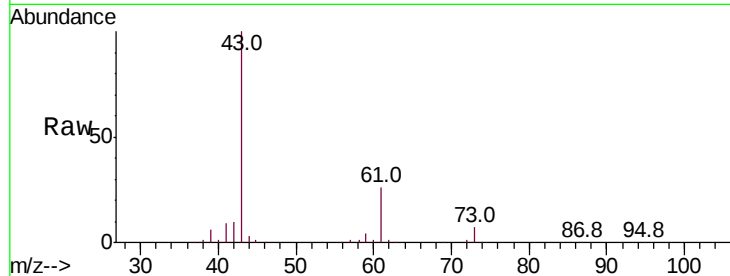
Tot Ion: 43 Resp: 362749

Ion Ratio Lower Upper

43 100

61 25.9 21.4 32.0

87 0.5 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

9.24

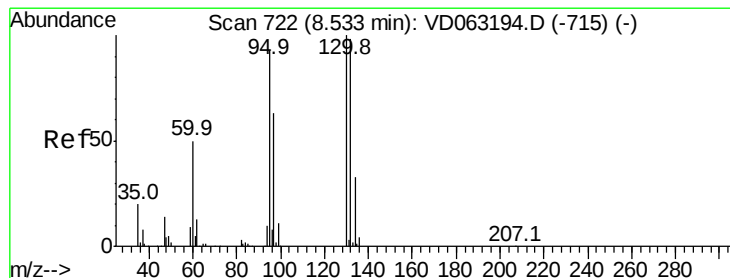
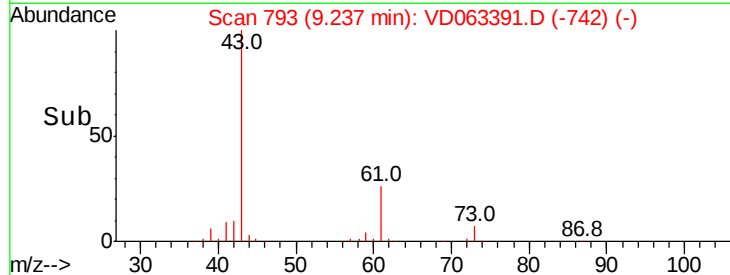
150000

100000

50000

0

Time-->



#44

Trichloroethene

Concen: 49.951 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD063391.D

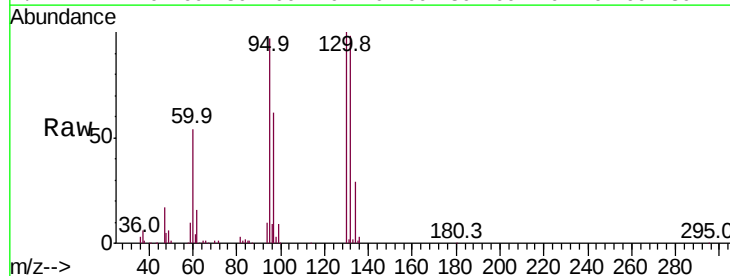
Acq: 5 Aug 2019 20:00

Tgt Ion:130 Resp: 498922

Ion Ratio Lower Upper

130 100

95 96.7 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

8.54

200000

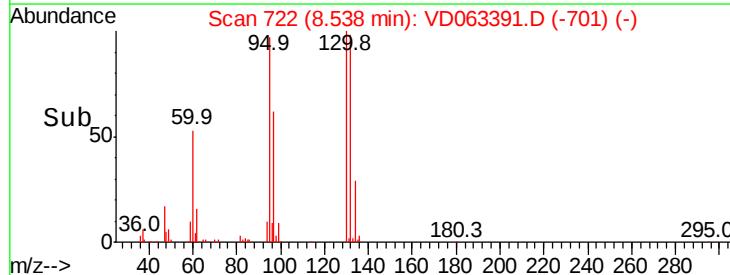
150000

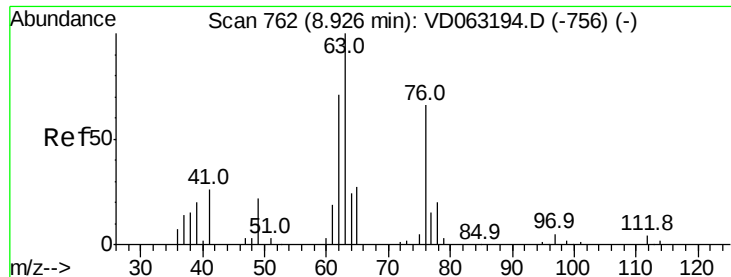
100000

50000

0

Time-->





#45

1,2-Dichloropropane

Concen: 51.441 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

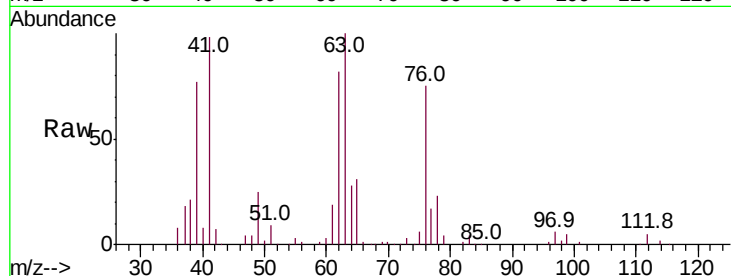
VSTDCCC050EC

Tot Ion: 63 Resp: 322292

Ion Ratio Lower Upper

63 100

65 31.2 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

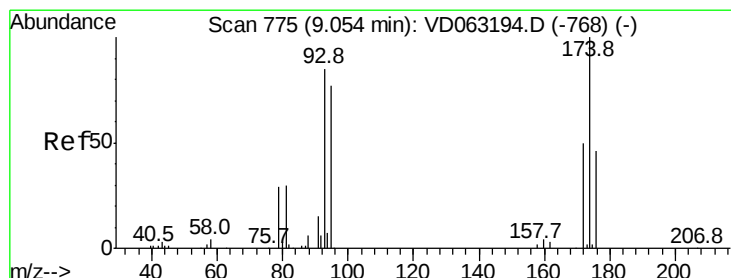
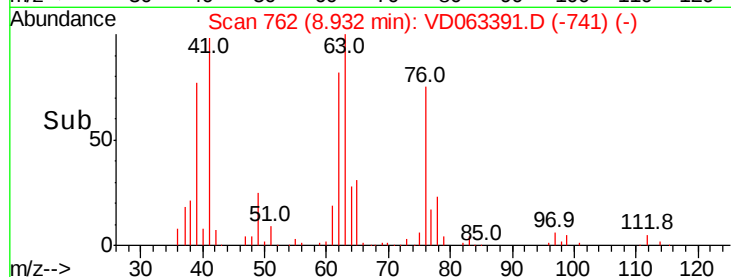
150000

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 53.653 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

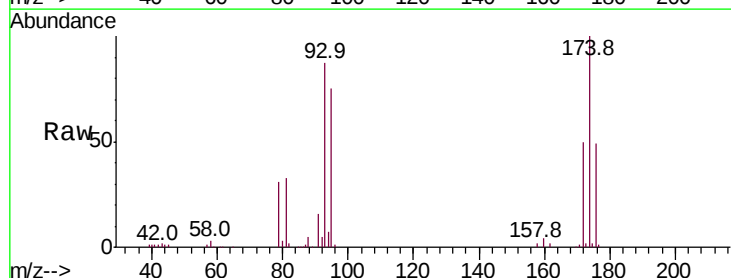
Tgt Ion: 93 Resp: 279503

Ion Ratio Lower Upper

93 100

95 86.3 72.8 109.2

174 115.2 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

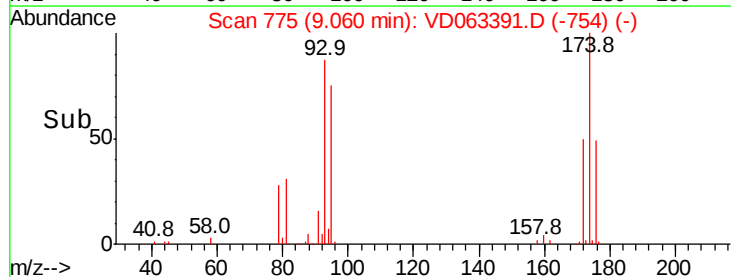
150000

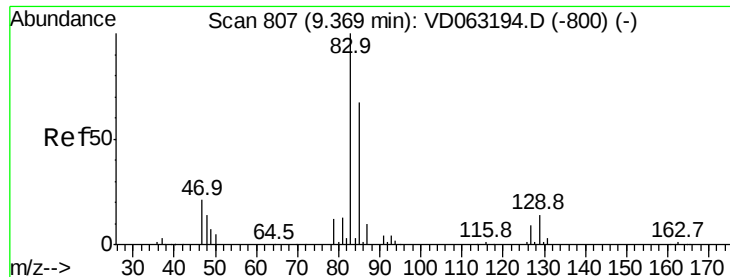
100000

50000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 53.301 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

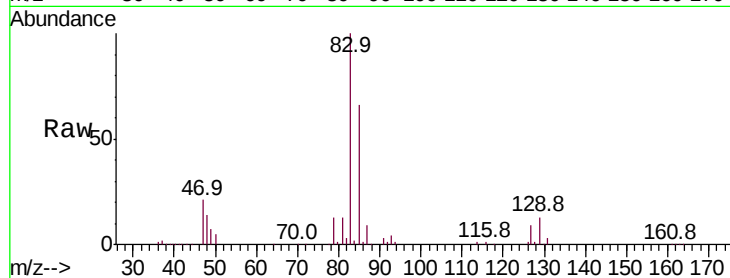
Tot Ion: 83 Resp: 707813

Ion Ratio Lower Upper

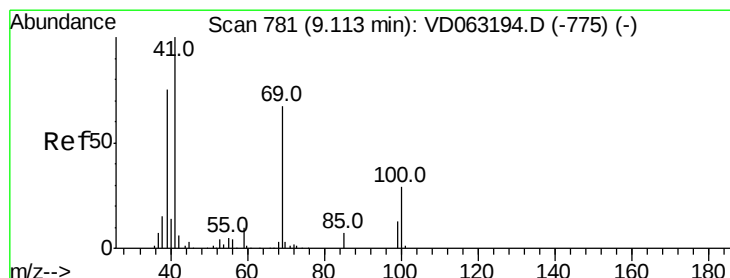
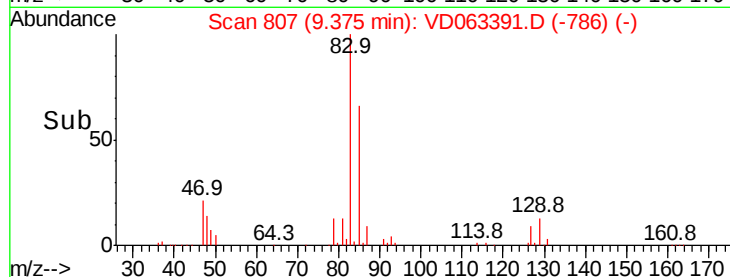
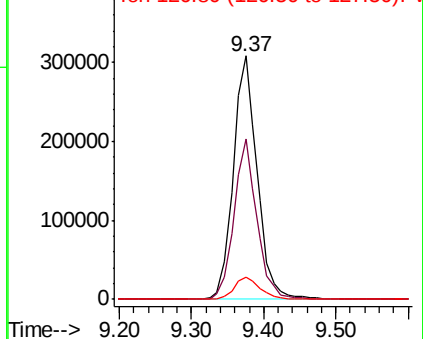
83 100

85 66.1 53.6 80.4

127 9.2 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: 55.494 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

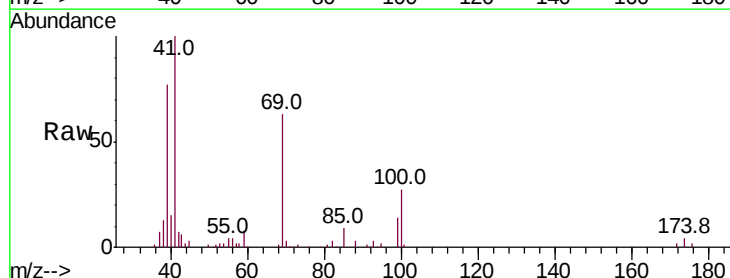
Tgt Ion: 41 Resp: 242924

Ion Ratio Lower Upper

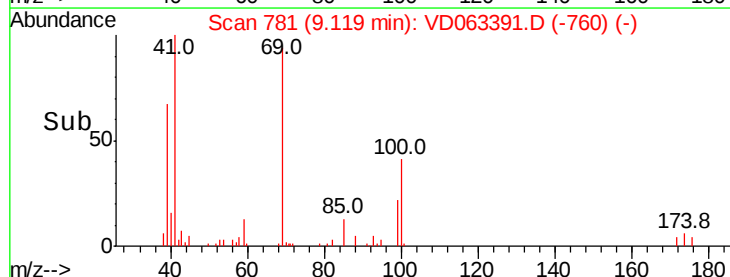
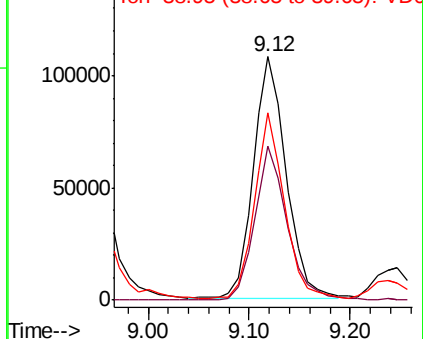
41 100

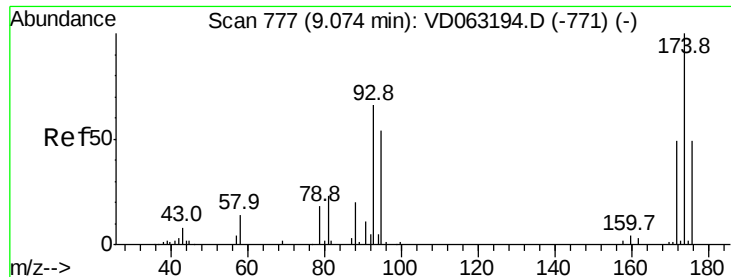
69 63.3 53.4 80.0

39 76.7 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

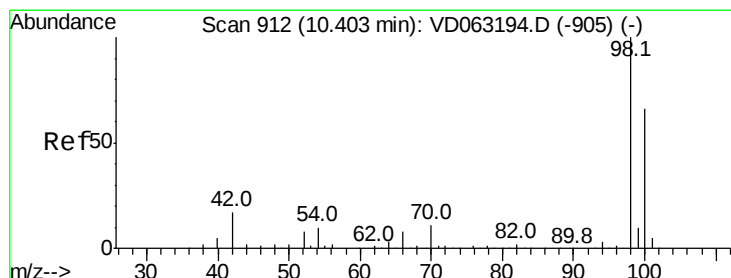
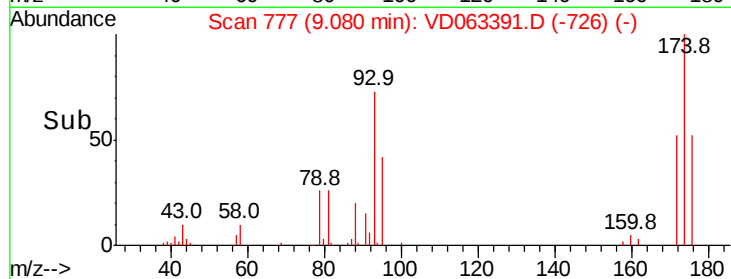
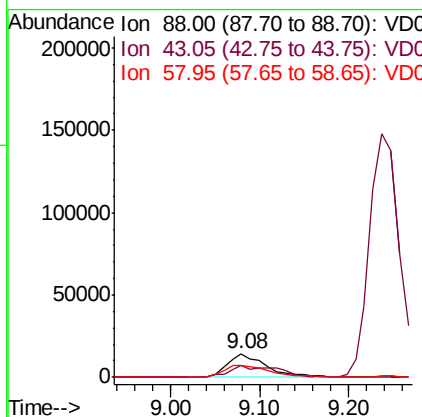
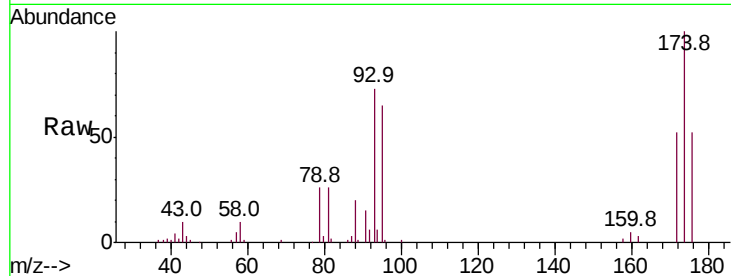




#49  
 1,4-Dioxane  
 Concen: 1170.988 ug/l  
 RT: 9.08 min Scan# 777  
 Delta R.T. 0.01 min  
 Lab File: VD063391.D  
 Acq: 5 Aug 2019 20:00

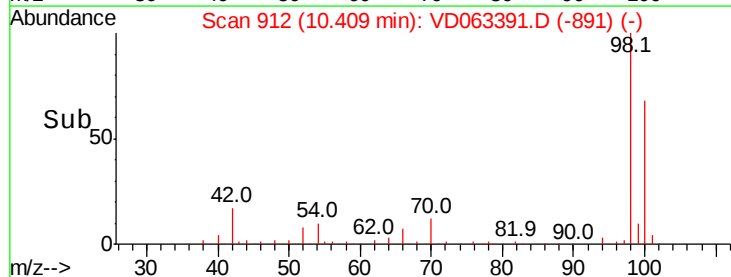
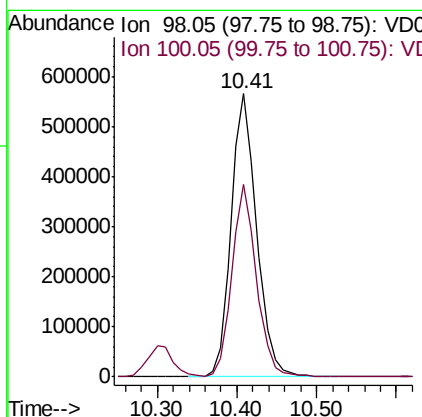
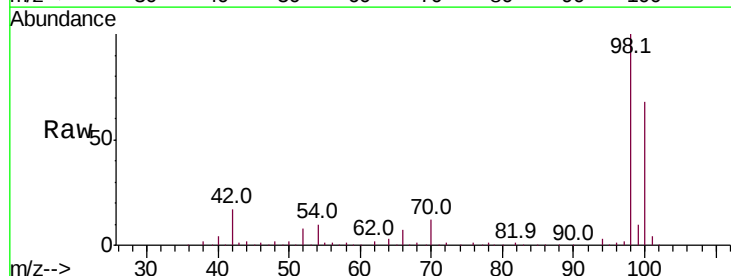
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

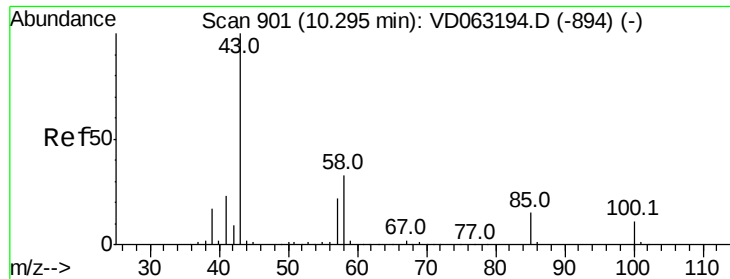
Tot Ion: 88 Resp: 43397  
 Ion Ratio Lower Upper  
 88 100  
 43 50.4 30.7 46.1#  
 58 52.4 56.5 84.7#



#50  
 Toluene-d8  
 Concen: 51.389 ug/l  
 RT: 10.41 min Scan# 912  
 Delta R.T. 0.01 min  
 Lab File: VD063391.D  
 Acq: 5 Aug 2019 20:00

Tgt Ion: 98 Resp: 1265445  
 Ion Ratio Lower Upper  
 98 100  
 100 68.2 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 285.857 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

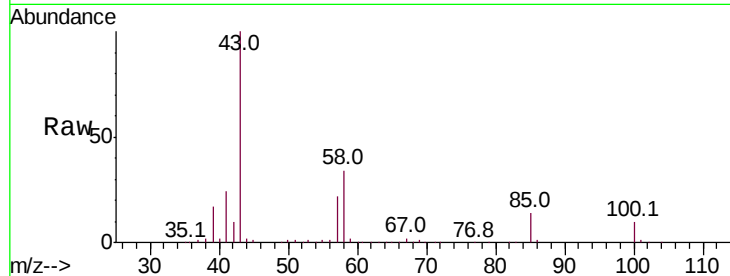
VSTDCCC050EC

Tot Ion: 43 Resp: 1312161

Ion Ratio Lower Upper

43 100

58 33.5 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

600000

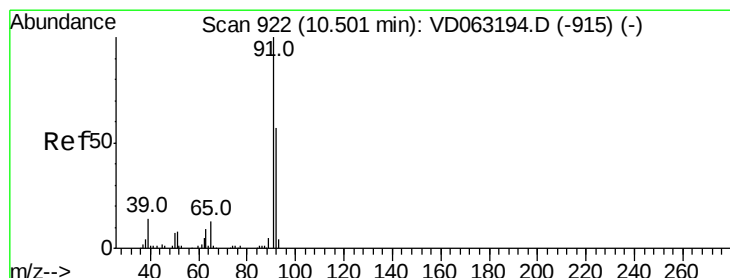
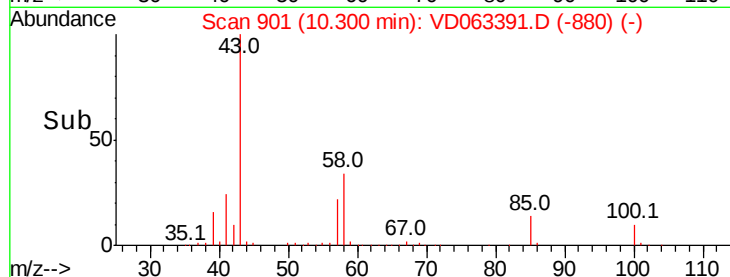
400000

200000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 52.948 ug/l

RT: 10.51 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD063391.D

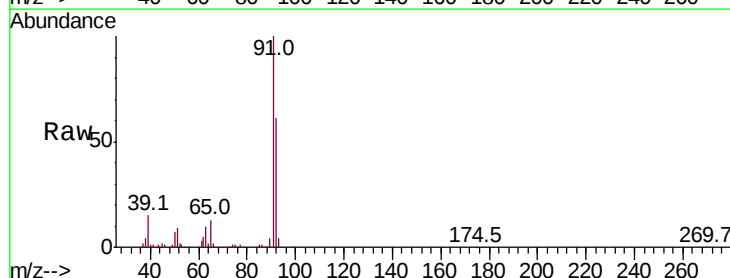
Acq: 5 Aug 2019 20:00

Tgt Ion: 92 Resp: 868045

Ion Ratio Lower Upper

92 100

91 164.9 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

600000

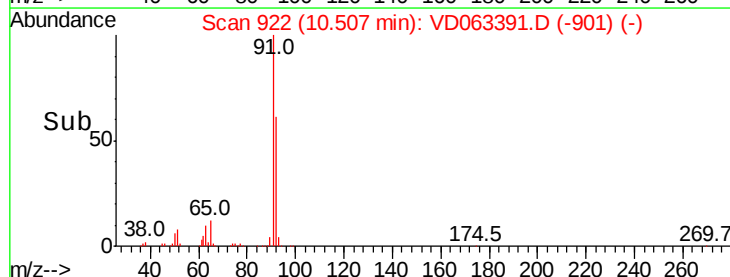
400000

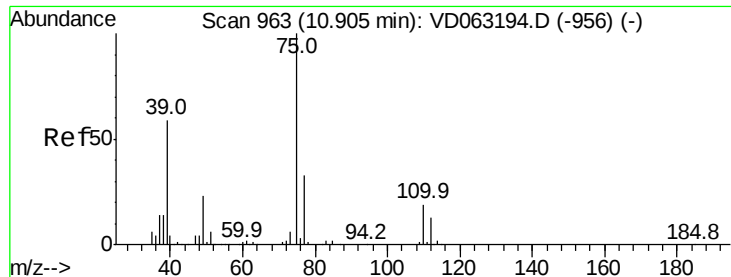
200000

0

Time-->

10.40 10.50 10.60





#53

t-1,3-Dichloropropene

Concen: 49.324 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

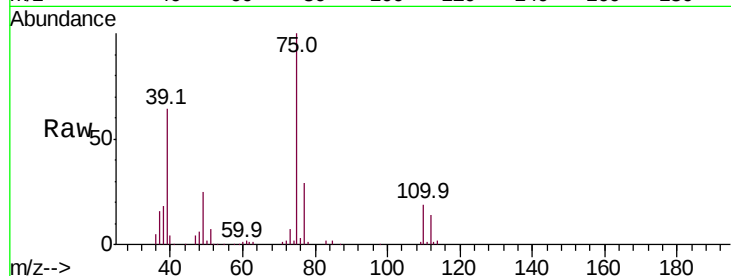
VSTDCCC050EC

Tot Ion: 75 Resp: 564689

Ion Ratio Lower Upper

75 100

77 29.4 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

250000

200000

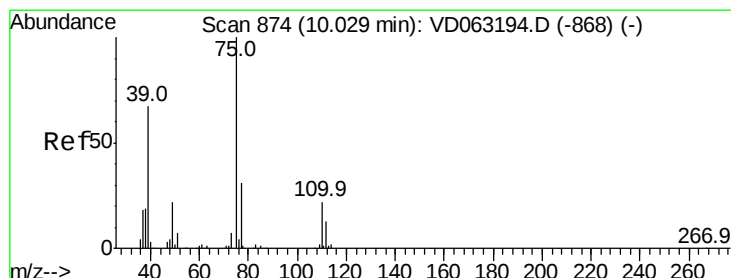
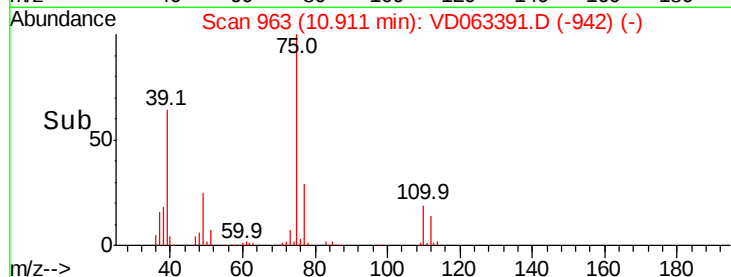
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.804 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

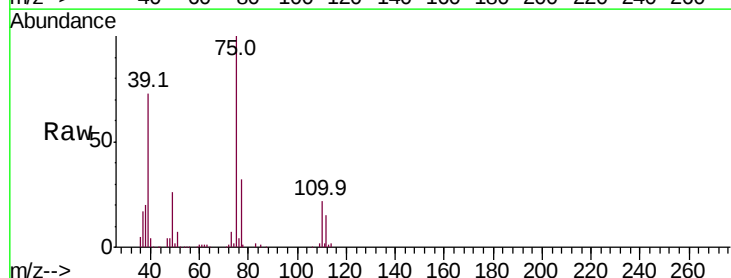
Tgt Ion: 75 Resp: 671450

Ion Ratio Lower Upper

75 100

77 31.6 24.9 37.3

39 73.3 53.9 80.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.03

400000

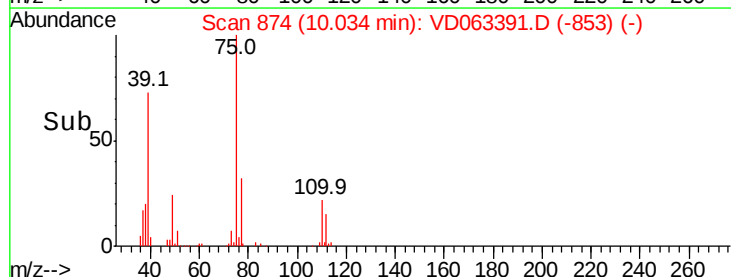
300000

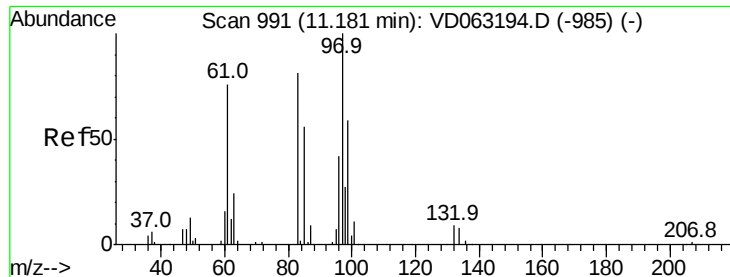
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.981 ug/l

RT: 11.20 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 293354

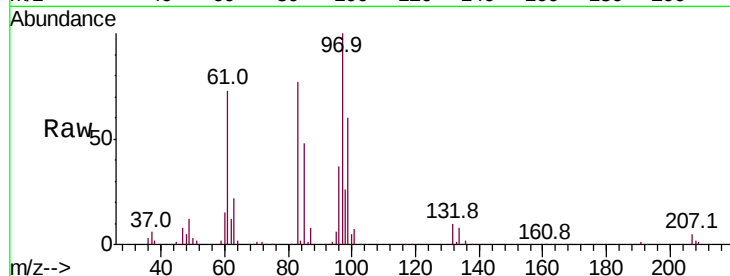
Ion Ratio Lower Upper

97 100

83 77.1 64.8 97.2

85 48.4 44.9 67.3

99 60.2 47.2 70.8

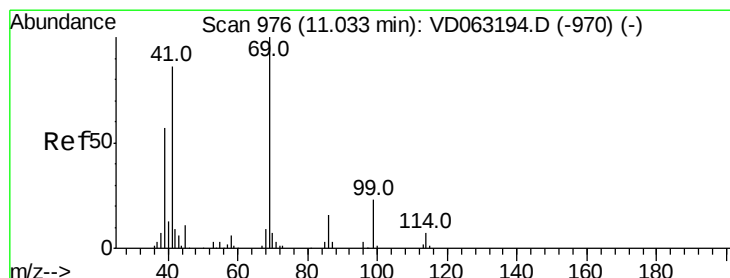
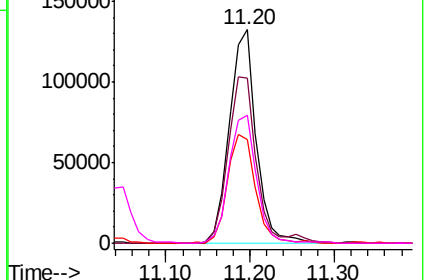
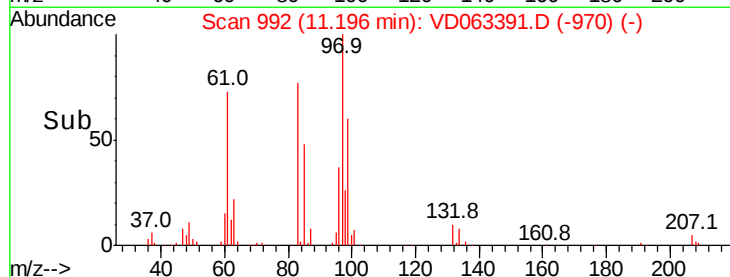


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 55.847 ug/l

RT: 11.04 min Scan# 976

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

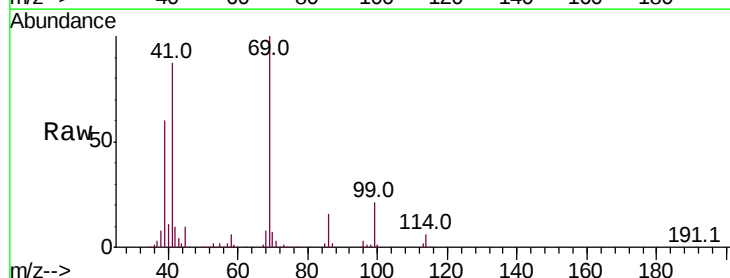
Tgt Ion: 69 Resp: 338607

Ion Ratio Lower Upper

69 100

41 86.8 68.8 103.2

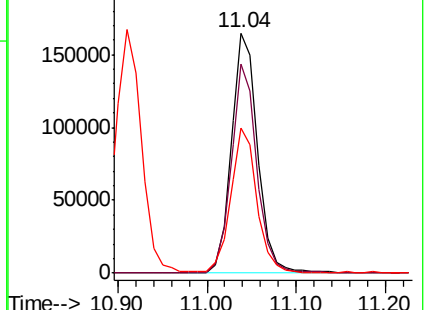
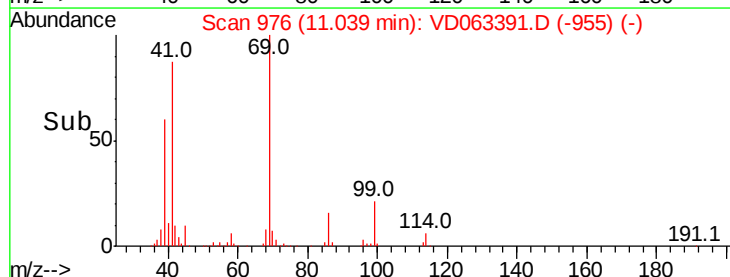
39 60.4 45.8 68.8

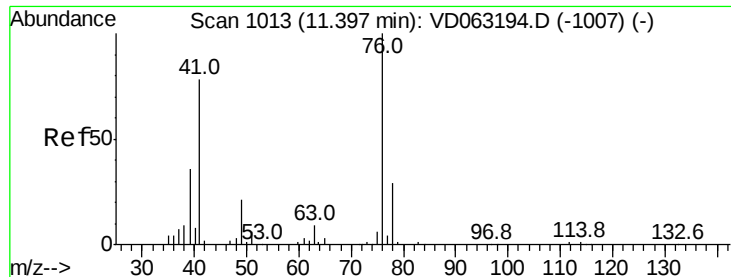


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 54.665 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.02 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

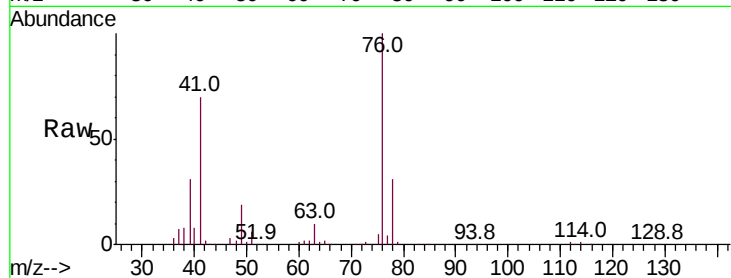
VSTDCCC050EC

Tot Ion: 76 Resp: 476893

Ion Ratio Lower Upper

76 100

78 31.1 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

250000

200000

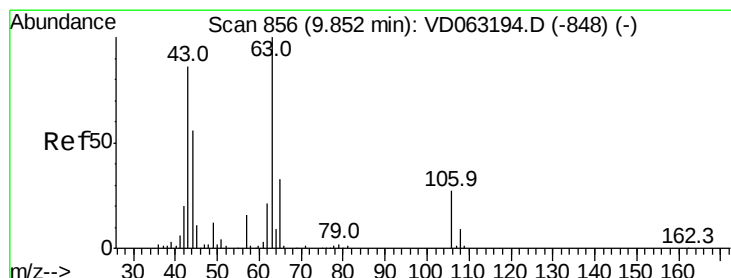
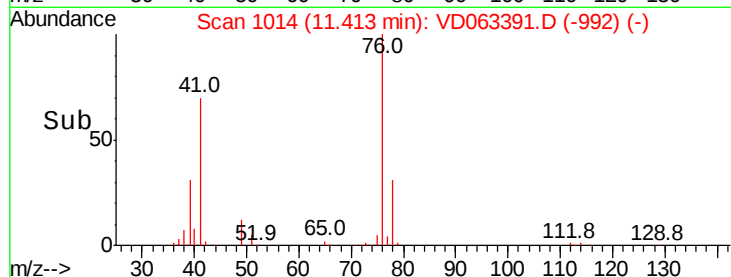
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 260.336 ug/l

RT: 9.86 min Scan# 856

Delta R.T. 0.01 min

Lab File: VD063391.D

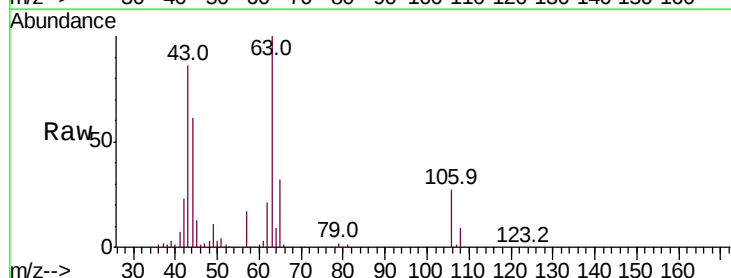
Acq: 5 Aug 2019 20:00

Tgt Ion: 63 Resp: 821326

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

9.86

400000

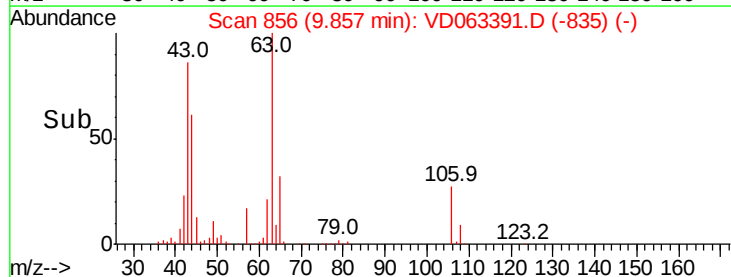
300000

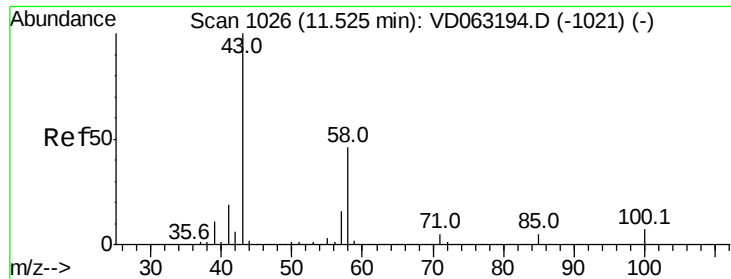
200000

100000

0

Time-->

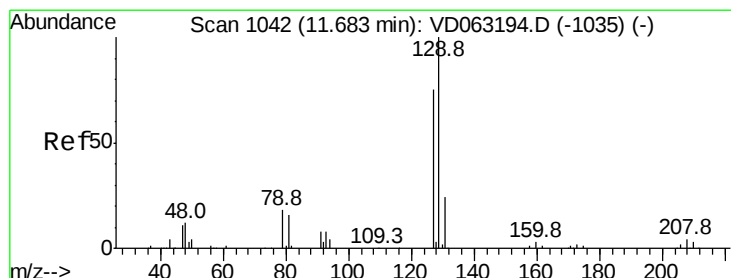
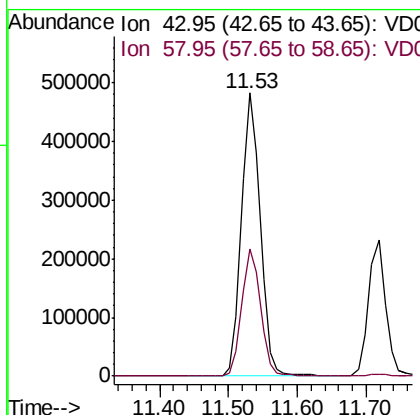
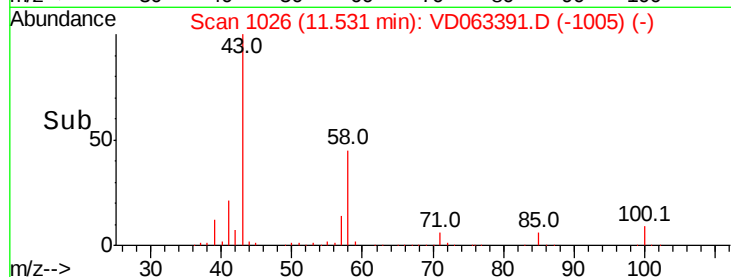
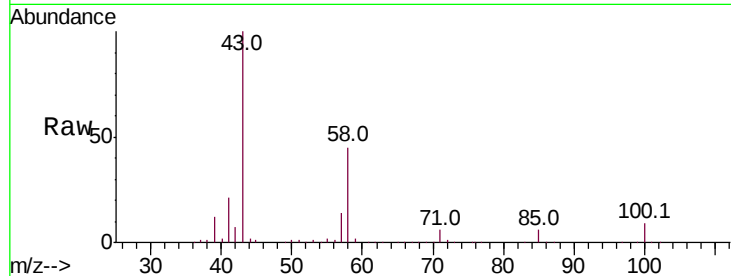




#59  
2-Hexanone  
Concen: 278.475 ug/l  
RT: 11.53 min Scan# 1026  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

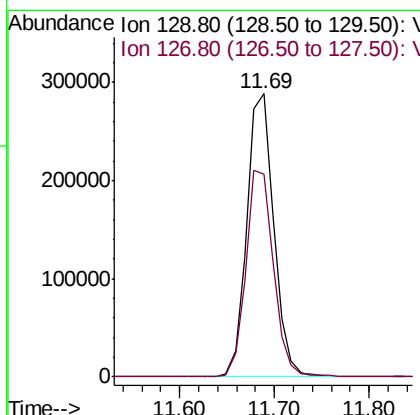
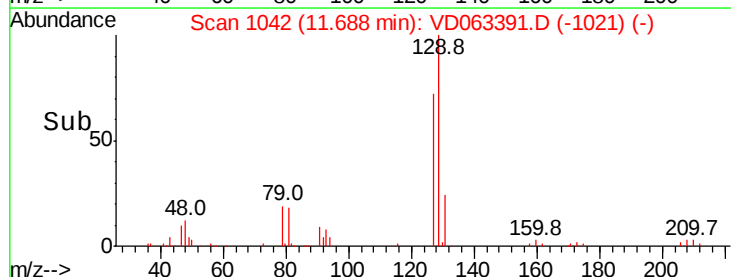
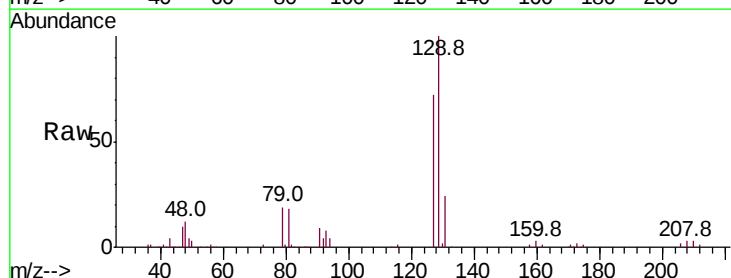
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

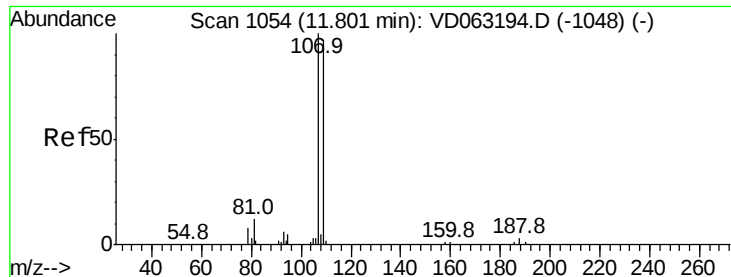
Tot Ion: 43 Resp: 921180  
Ion Ratio Lower Upper  
43 100  
58 45.0 22.9 68.5



#60  
Dibromochloromethane  
Concen: 54.443 ug/l  
RT: 11.69 min Scan# 1042  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

Tgt Ion: 129 Resp: 569080  
Ion Ratio Lower Upper  
129 100  
127 71.5 37.6 112.8





#61

1,2-Dibromoethane

Concen: 55.081 ug/l

RT: 11.81 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

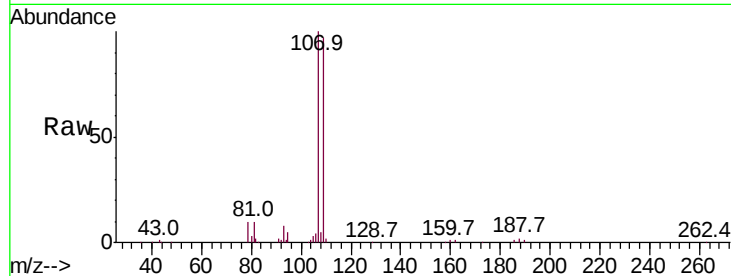
VSTDCCC050EC

Tot Ion:107 Resp: 376325

Ion Ratio Lower Upper

107 100

109 97.4 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.81

250000

200000

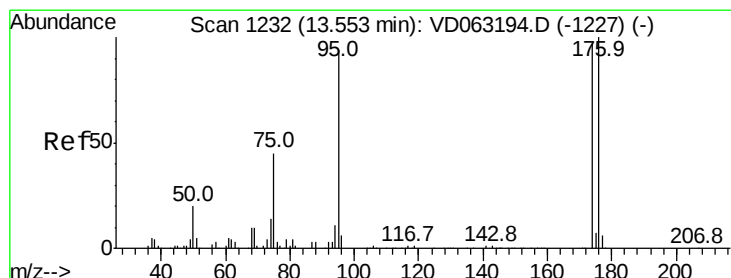
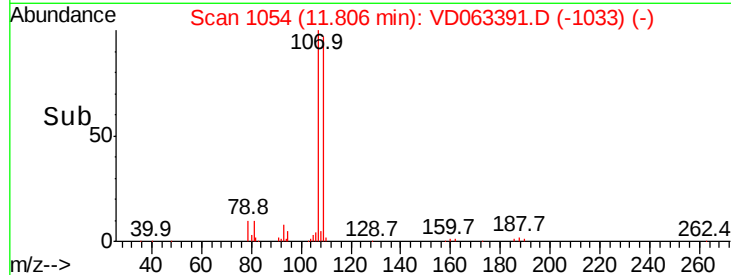
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.109 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

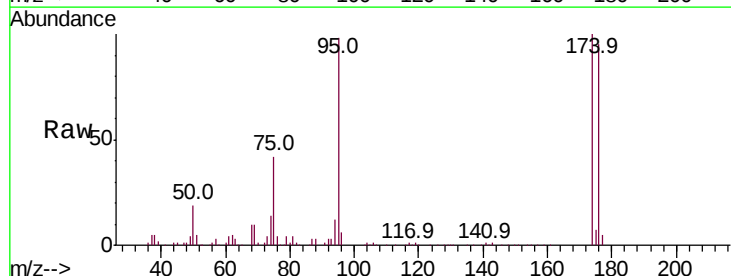
Tgt Ion: 95 Resp: 562286

Ion Ratio Lower Upper

95 100

174 101.8 0.0 205.4

176 97.0 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

500000

400000

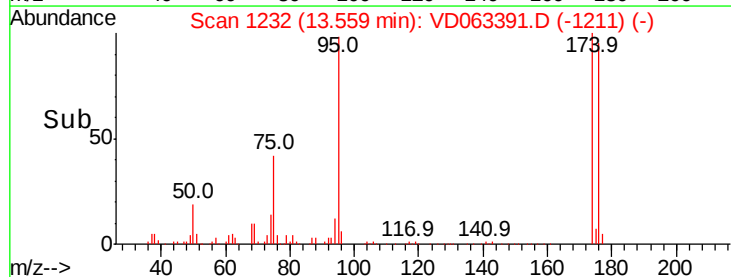
300000

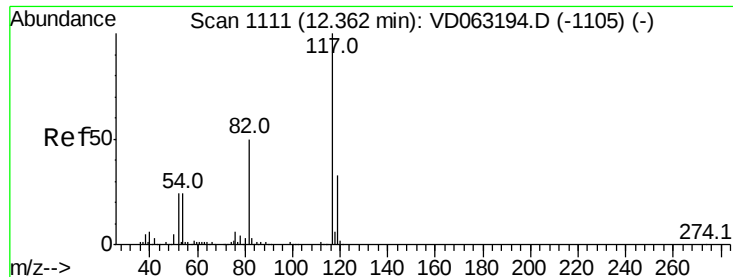
200000

100000

0

Time-->

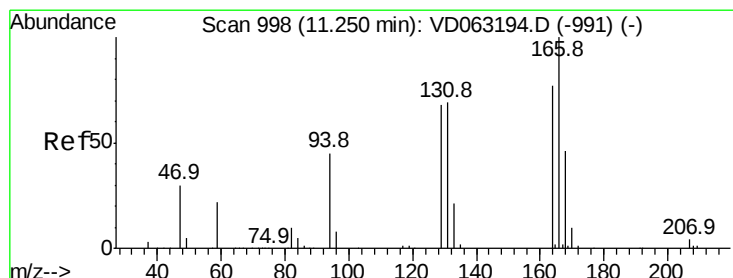
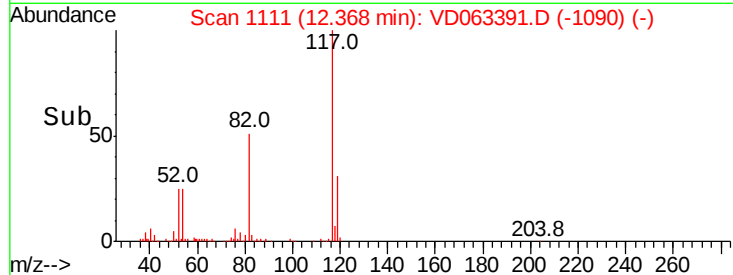
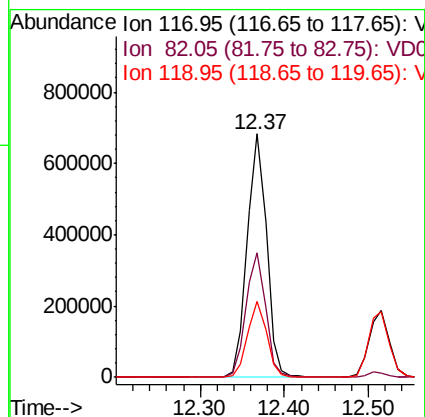
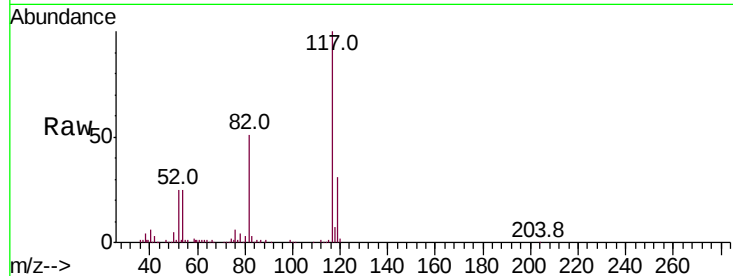




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1111  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

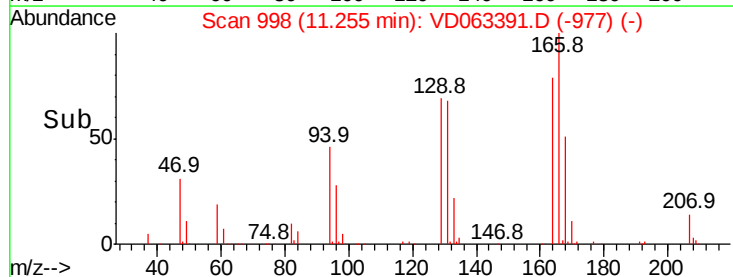
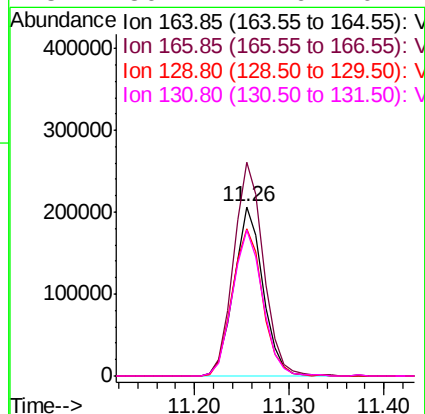
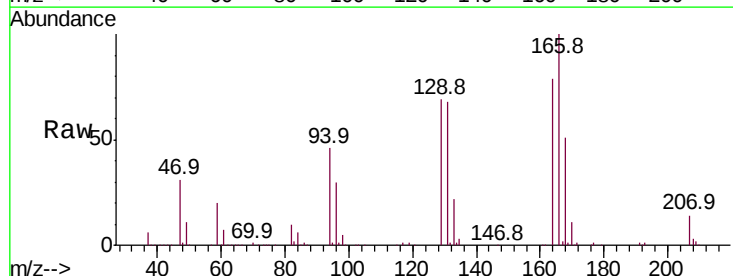
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

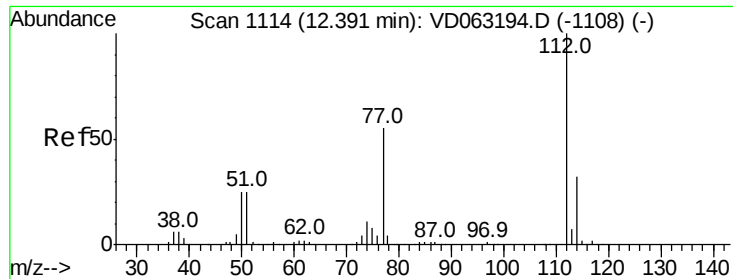
Tot Ion:117 Resp: 1107746  
Ion Ratio Lower Upper  
117 100  
82 51.3 40.1 60.1  
119 31.0 26.5 39.7



#64  
Tetrachloroethene  
Concen: 49.790 ug/l  
RT: 11.26 min Scan# 998  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

Tgt Ion:164 Resp: 439401  
Ion Ratio Lower Upper  
164 100  
166 125.9 104.3 156.5  
129 87.1 70.9 106.3  
131 86.2 71.6 107.4

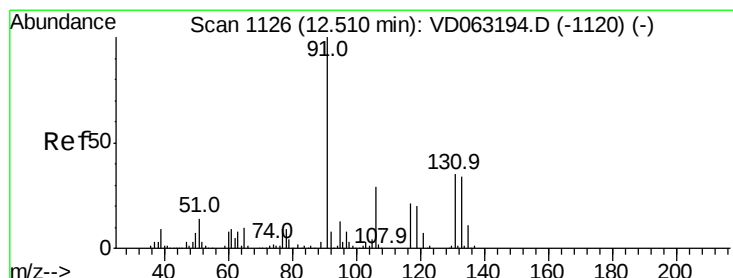
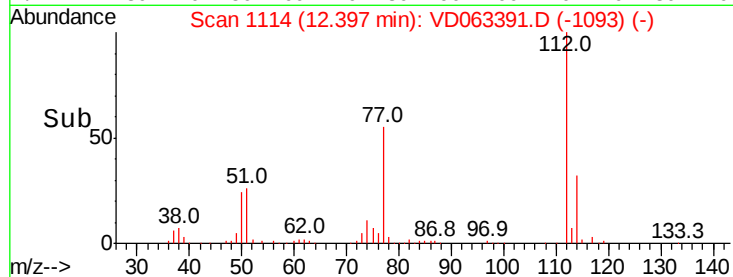
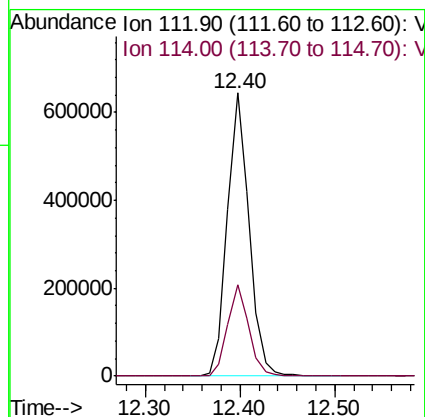
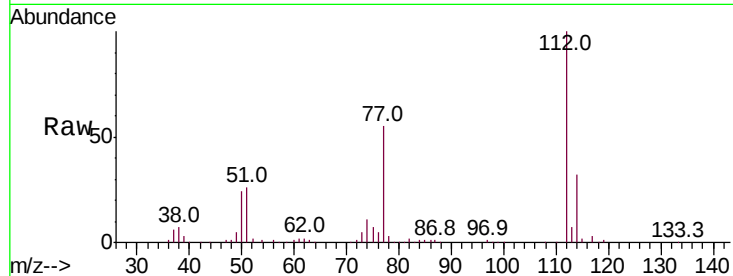




#65  
Chlorobenzene  
Concen: 48.137 ug/l  
RT: 12.40 min Scan# 1114  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

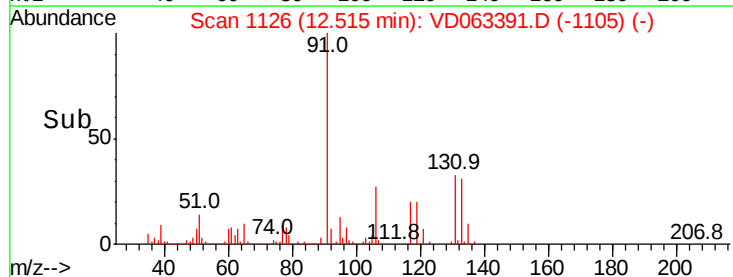
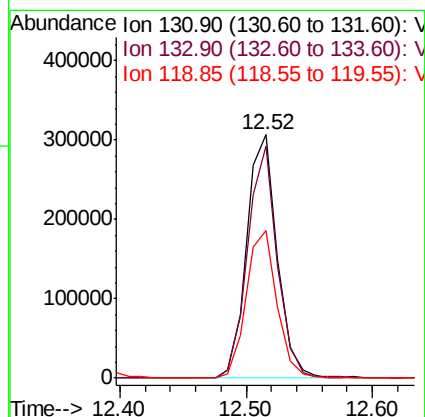
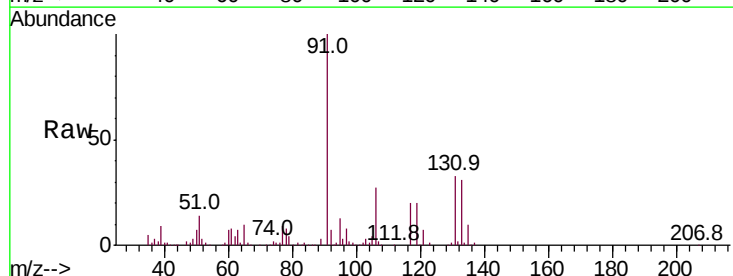
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

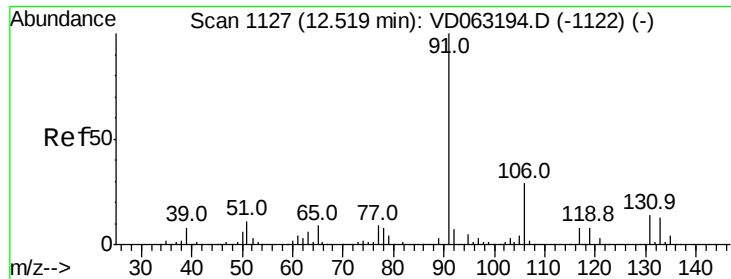
Tot Ion:112 Resp: 1025643  
Ion Ratio Lower Upper  
112 100  
114 32.4 25.8 38.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 54.542 ug/l  
RT: 12.52 min Scan# 1126  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

Tgt Ion:131 Resp: 511906  
Ion Ratio Lower Upper  
131 100  
133 95.3 48.4 145.2  
119 60.4 29.1 87.3

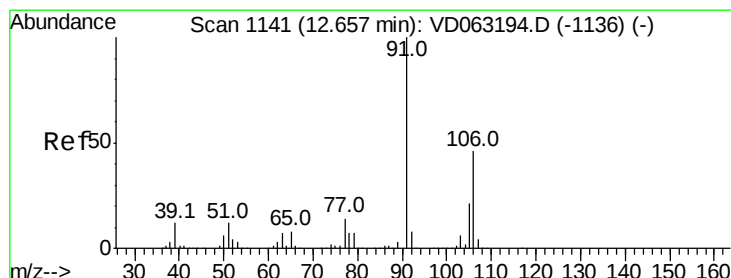
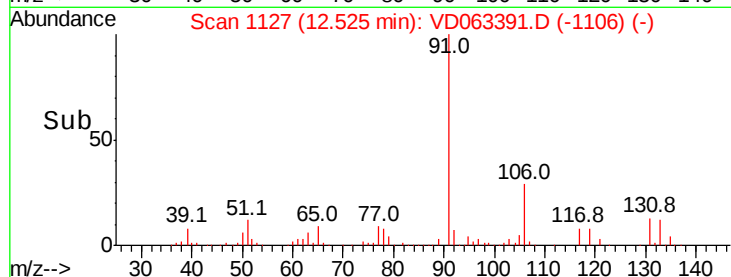
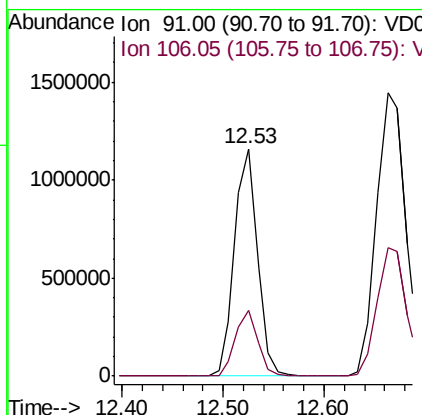
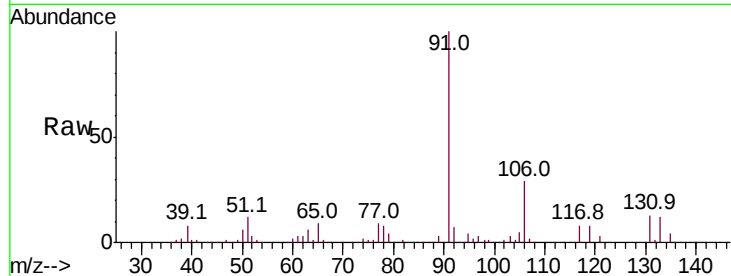




#67  
Ethyl Benzene  
Concen: 50.786 ug/l  
RT: 12.53 min Scan# 1127  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

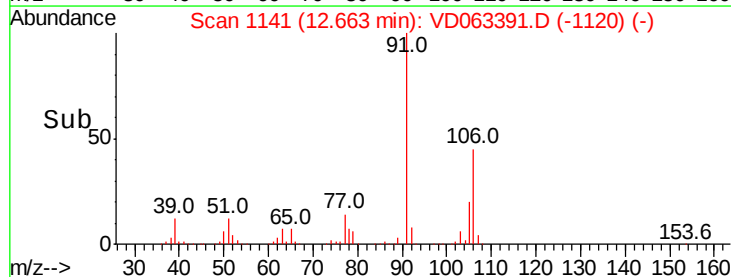
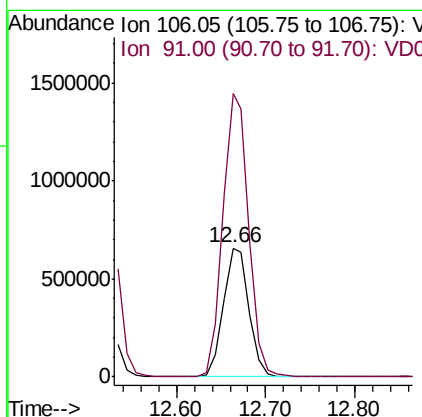
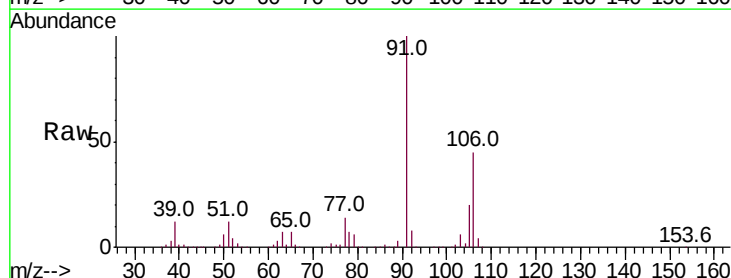
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

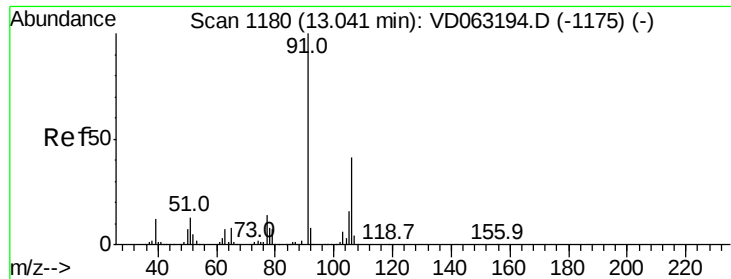
Tot Ion: 91 Resp: 1838226  
Ion Ratio Lower Upper  
91 100  
106 29.0 22.9 34.3



#68  
m/p-Xylenes  
Concen: 99.671 ug/l  
RT: 12.66 min Scan# 1141  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

Tgt Ion: 106 Resp: 1323042  
Ion Ratio Lower Upper  
106 100  
91 220.3 172.6 259.0

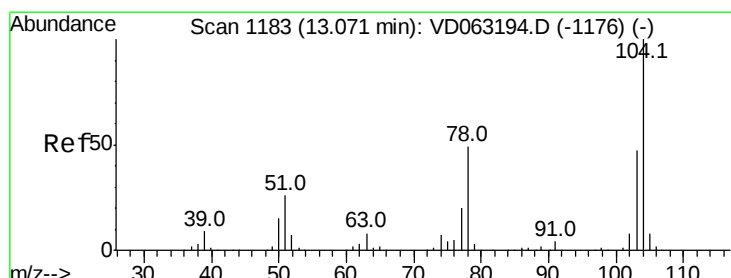
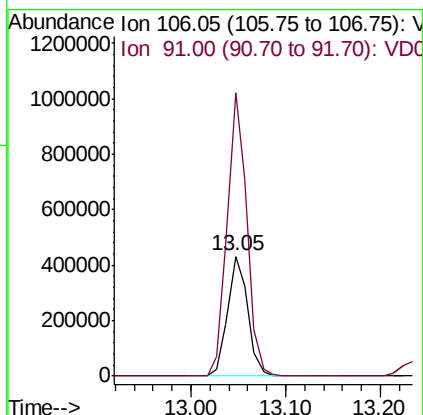
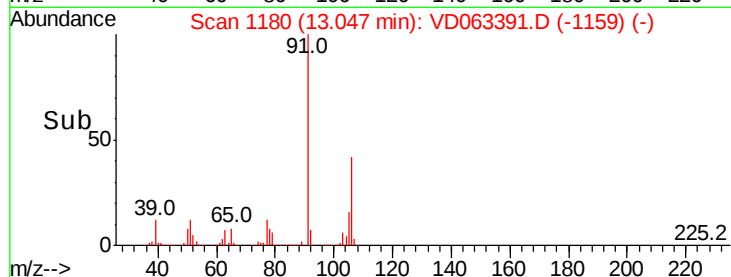
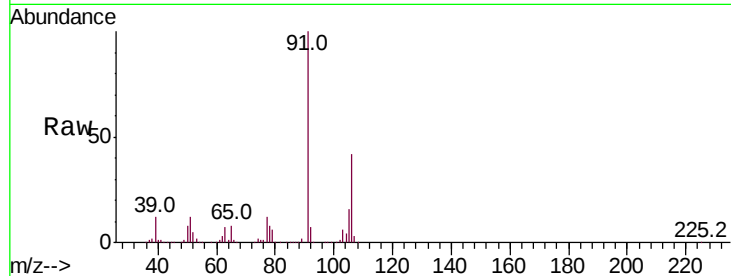




#69  
o-Xylene  
Concen: 52.026 ug/l  
RT: 13.05 min Scan# 1180  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

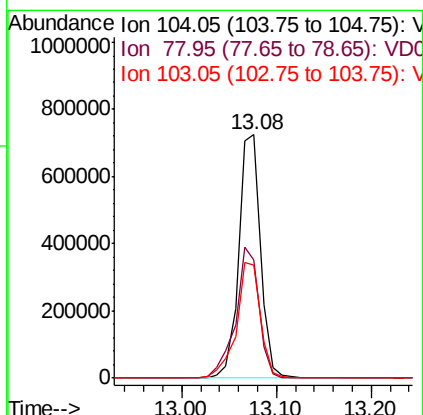
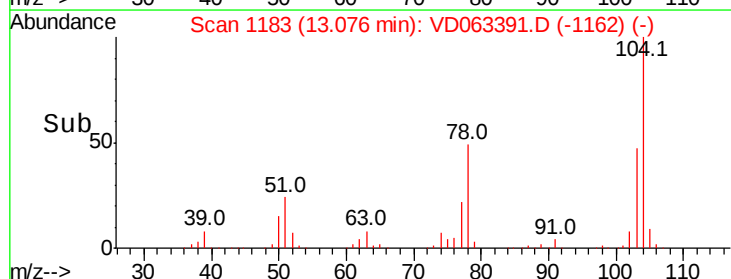
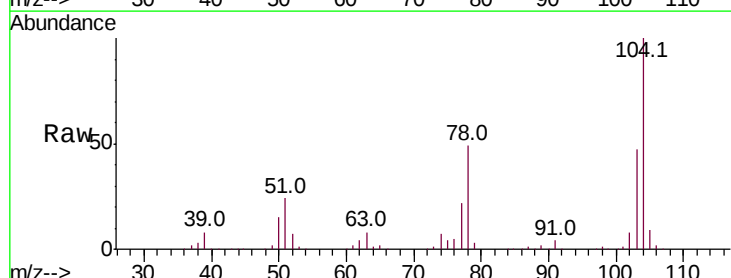
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

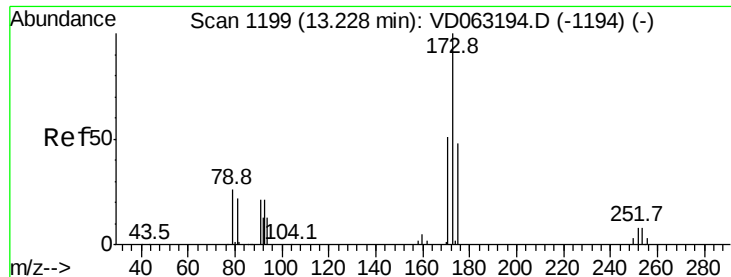
Tot Ion:106 Resp: 634181  
Ion Ratio Lower Upper  
106 100  
91 236.8 121.3 363.9



#70  
Styrene  
Concen: 53.508 ug/l  
RT: 13.08 min Scan# 1183  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

Tgt Ion:104 Resp: 1156706  
Ion Ratio Lower Upper  
104 100  
78 48.7 39.4 59.0  
103 46.7 37.4 56.2





#71

Bromoform

Concen: 53.559 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

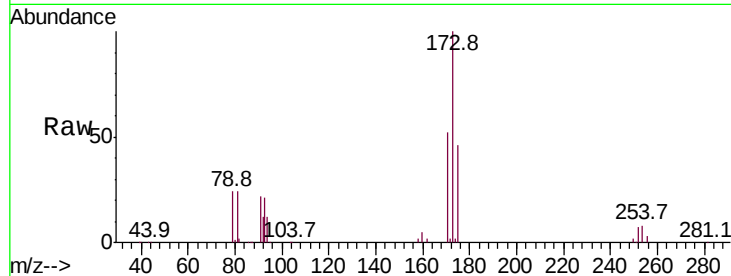
Tot Ion:173 Resp: 365553

Ion Ratio Lower Upper

173 100

175 46.5 23.8 71.5

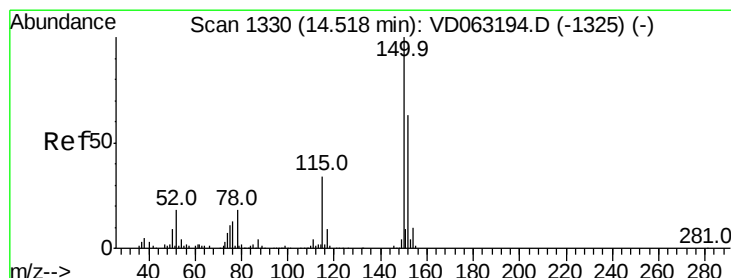
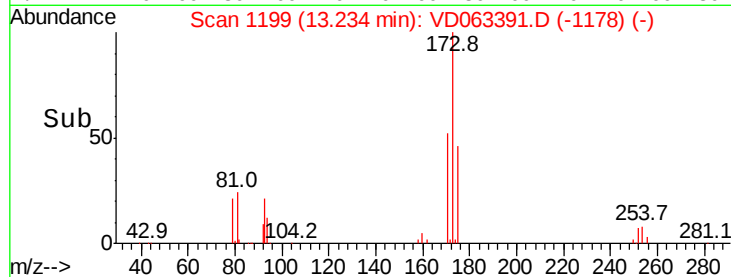
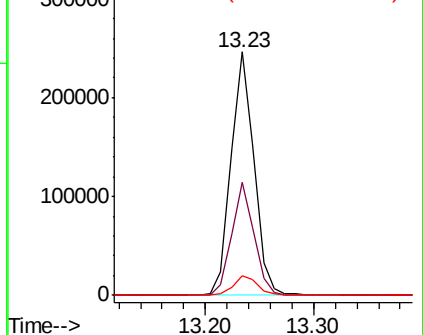
254 8.3 6.6 10.0



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: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

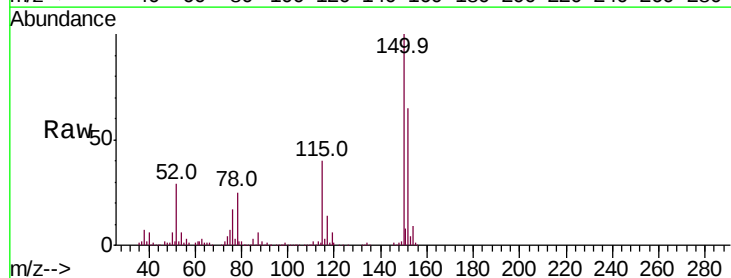
Tgt Ion:152 Resp: 611774

Ion Ratio Lower Upper

152 100

115 61.8 27.5 82.4

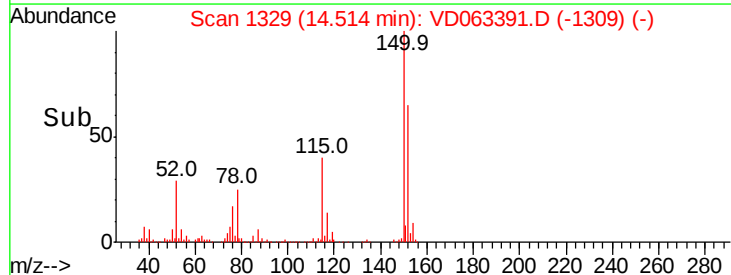
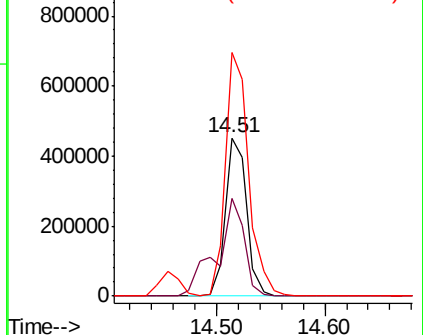
150 153.7 0.0 320.6

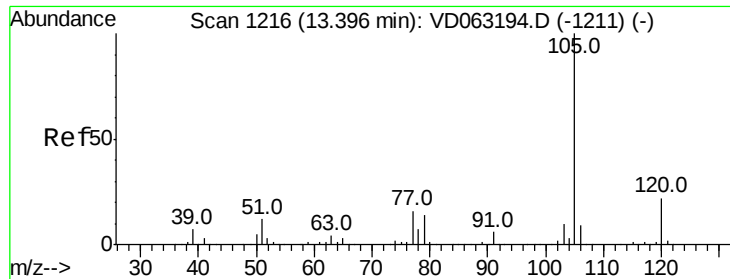


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

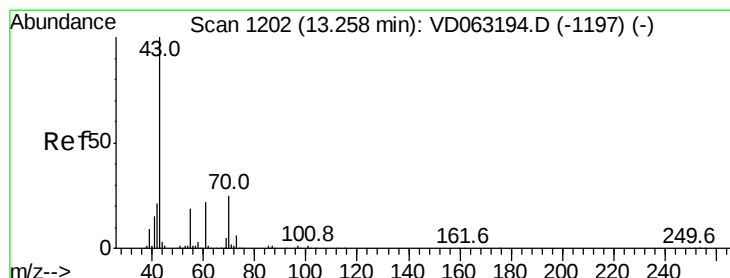
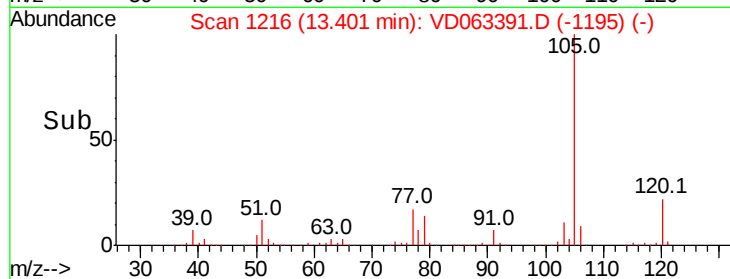
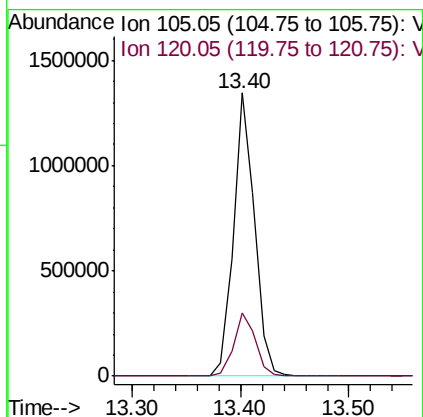
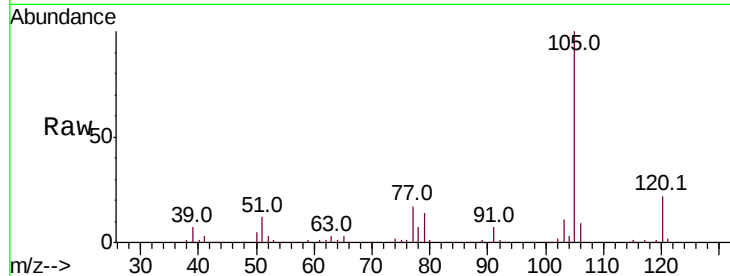




#73  
Isopropylbenzene  
Concen: 47.400 ug/l  
RT: 13.40 min Scan# 1216  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

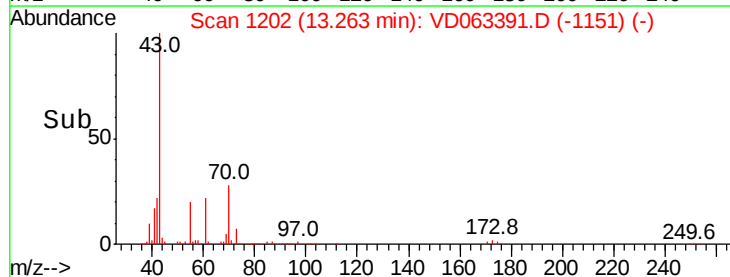
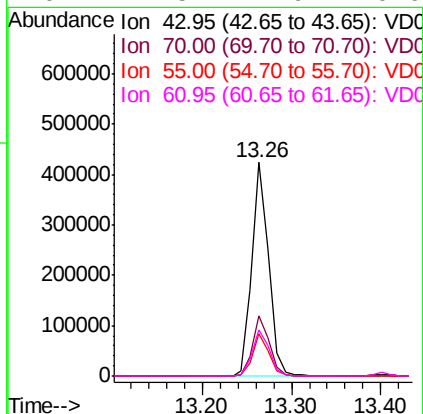
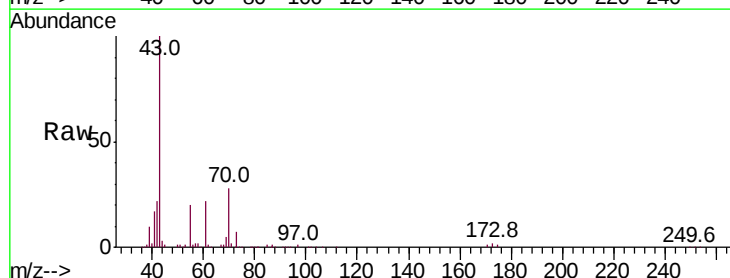
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

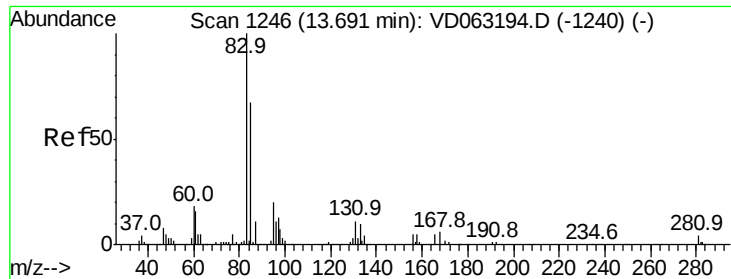
Tot Ion:105 Resp: 1820011  
Ion Ratio Lower Upper  
105 100  
120 22.2 11.1 33.3



#74  
N-ethyl acetate  
Concen: 53.622 ug/l  
RT: 13.26 min Scan# 1202  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

Tgt Ion: 43 Resp: 544294  
Ion Ratio Lower Upper  
43 100  
70 28.1 20.2 30.4  
55 19.6 14.9 22.3  
61 21.5 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.715 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

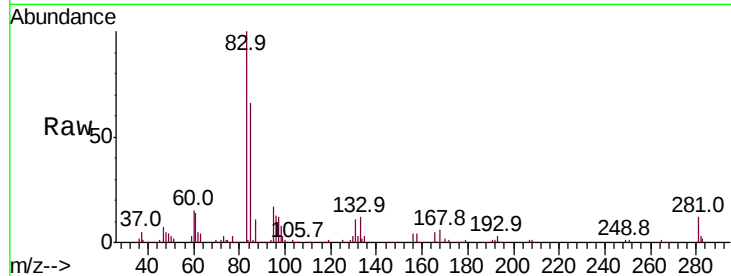
Tot Ion: 83 Resp: 343819

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.7

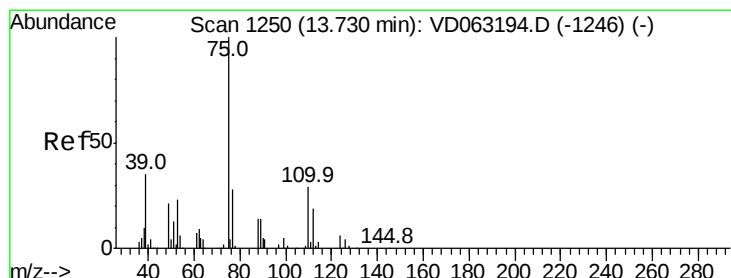
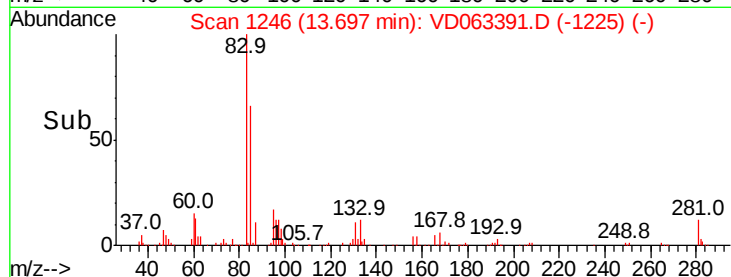
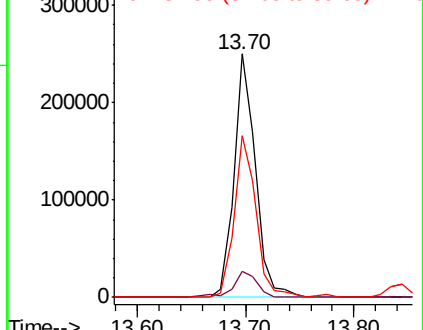
85 66.2 33.7 101.1



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: 50.842 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD063391.D

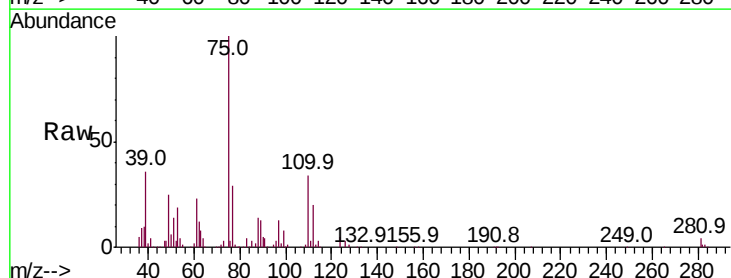
Acq: 5 Aug 2019 20:00

Tgt Ion: 75 Resp: 373598

Ion Ratio Lower Upper

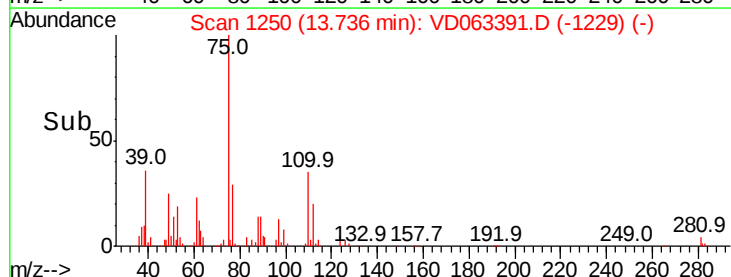
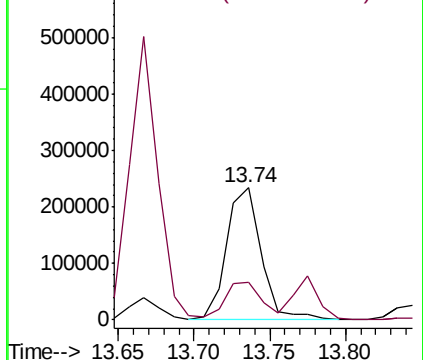
75 100

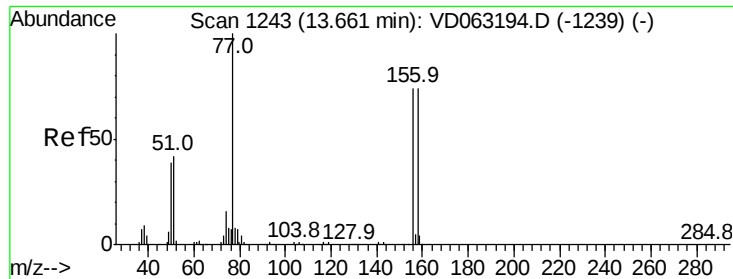
77 28.8 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 48.753 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

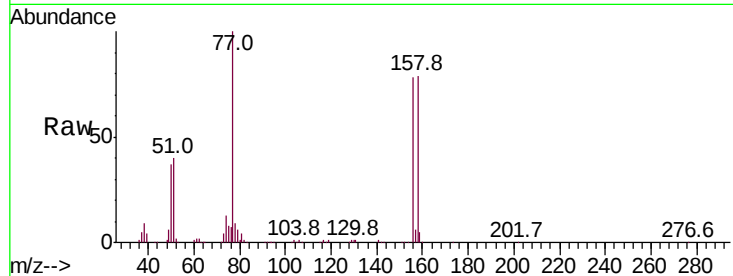
Tot Ion:156 Resp: 533266

Ion Ratio Lower Upper

156 100

77 127.6 67.6 202.8

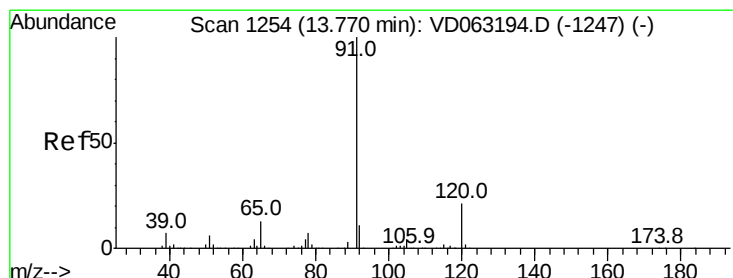
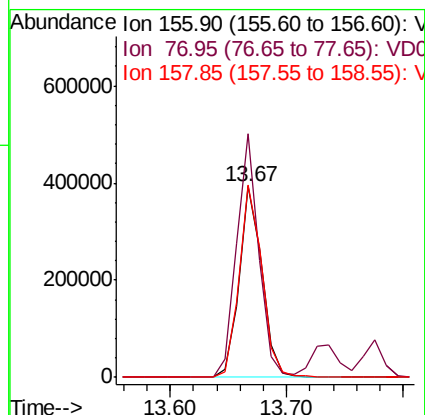
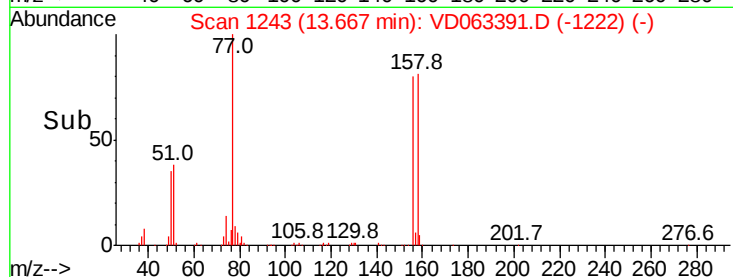
158 101.0 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.105 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD063391.D

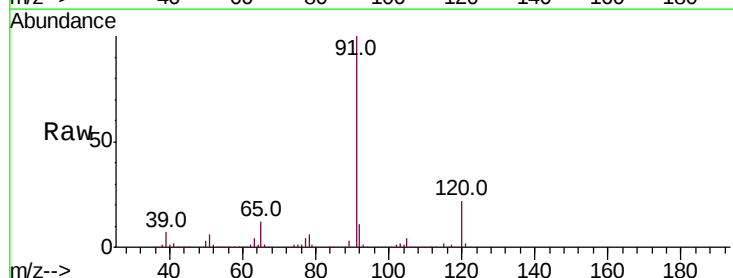
Acq: 5 Aug 2019 20:00

Tgt Ion: 91 Resp: 2243785

Ion Ratio Lower Upper

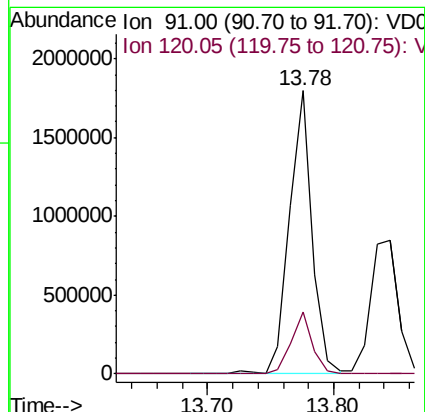
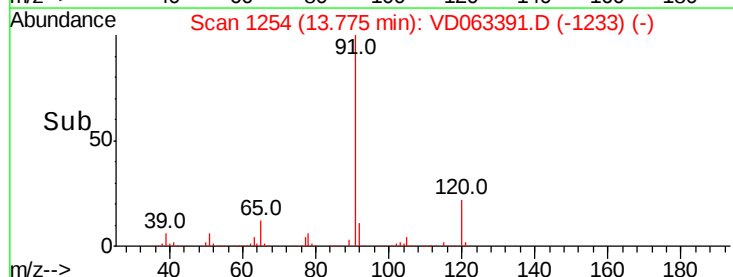
91 100

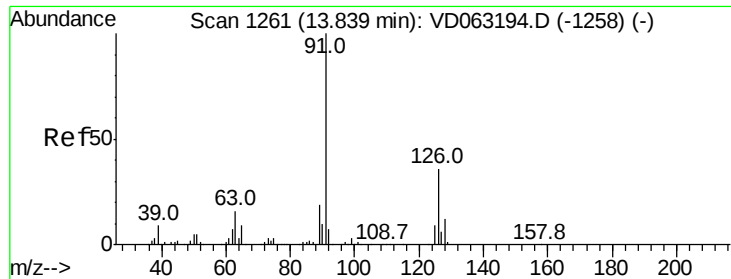
120 21.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.880 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

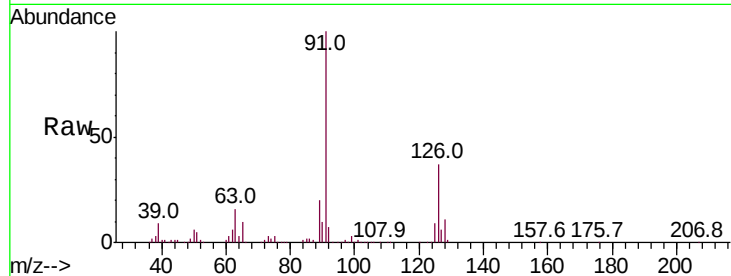
VSTDCCC050EC

Tot Ion: 91 Resp: 1294158

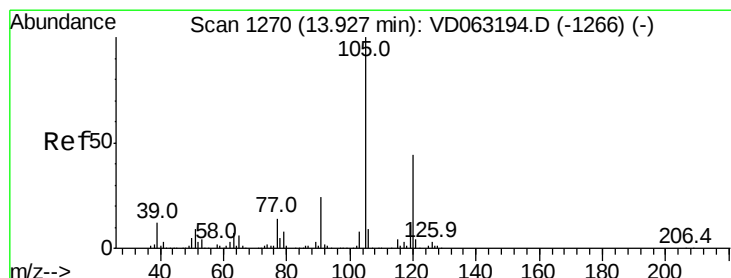
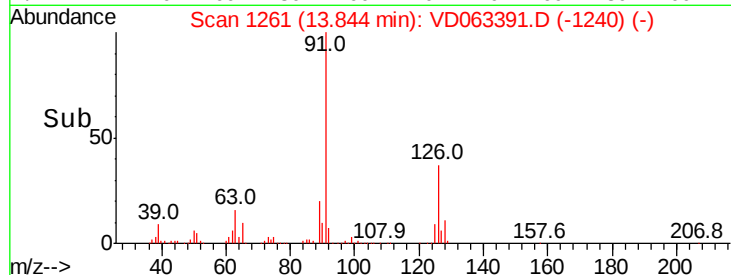
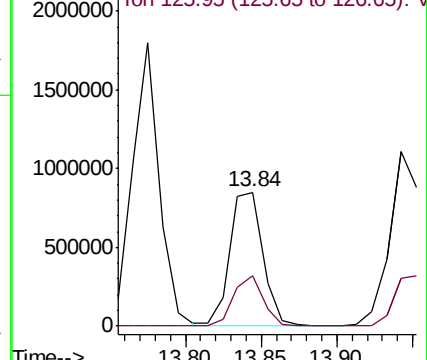
Ion Ratio Lower Upper

91 100

126 37.4 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD063391.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.984 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD063391.D

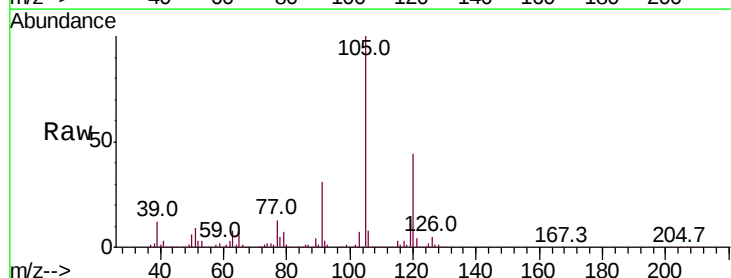
Acq: 5 Aug 2019 20:00

Tgt Ion:105 Resp: 1688452

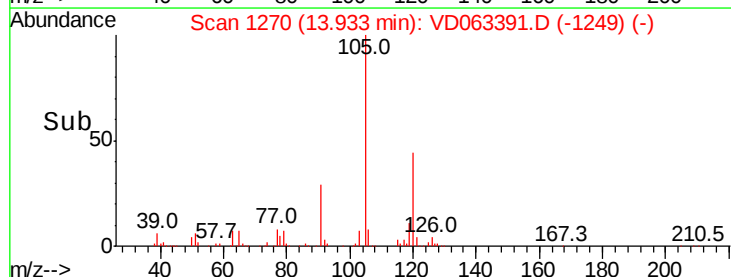
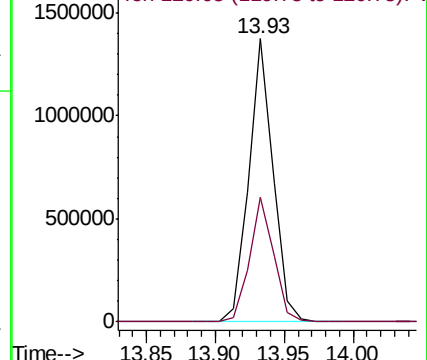
Ion Ratio Lower Upper

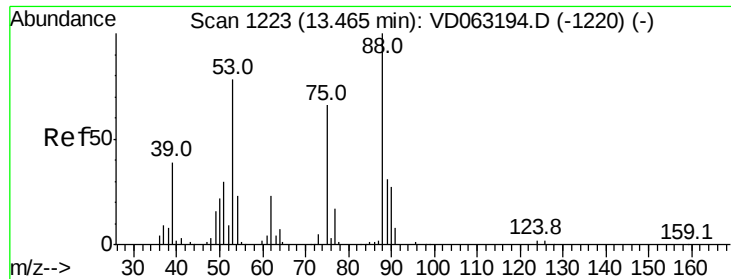
105 100

120 44.1 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): VD063391.D (-1266) (-)

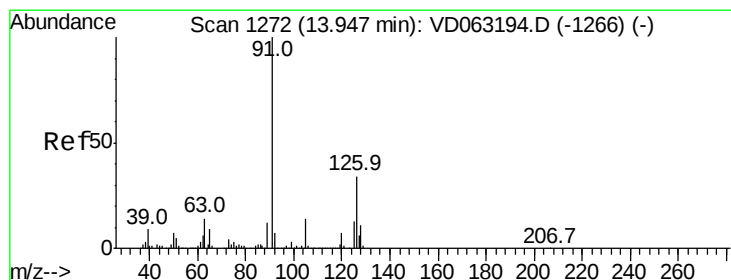
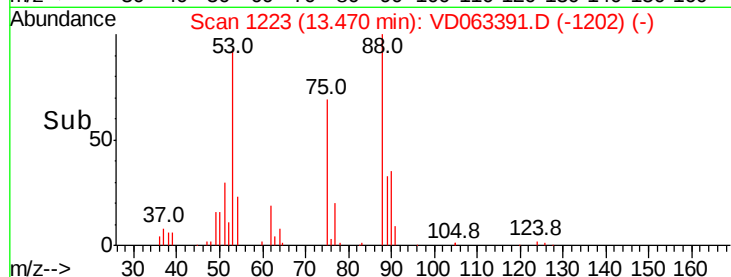
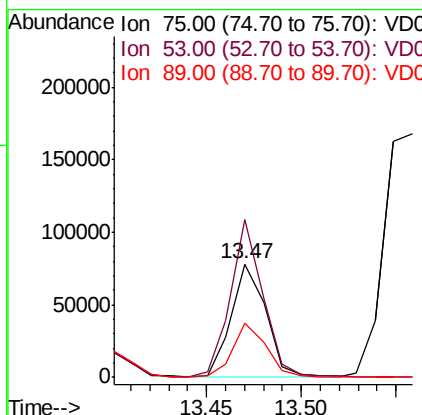
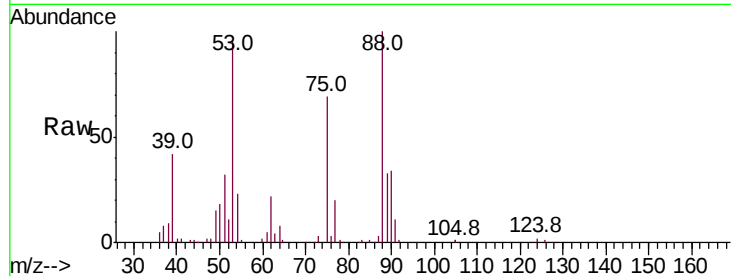




#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.898 ug/l  
RT: 13.47 min Scan# 1223  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

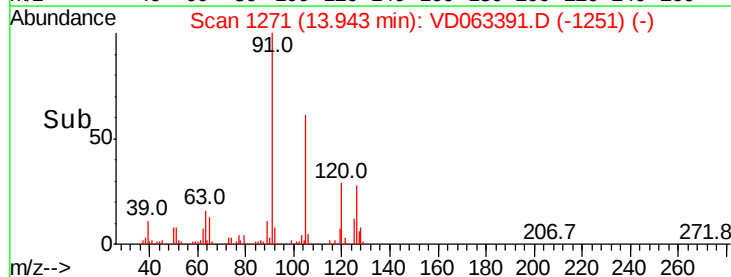
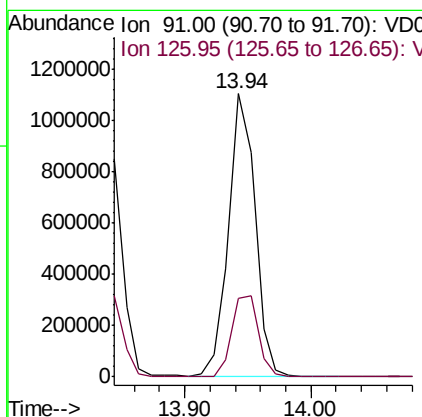
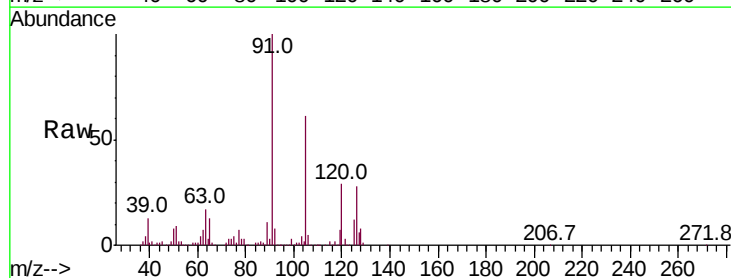
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 75 Resp: 99773  
Ion Ratio Lower Upper  
75 100  
53 139.8 94.9 142.3  
89 47.4 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 51.370 ug/l  
RT: 13.94 min Scan# 1271  
Delta R.T. -0.00 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

Tgt Ion: 91 Resp: 1600622  
Ion Ratio Lower Upper  
91 100  
126 27.6 17.1 51.2





#83

tert-Butylbenzene

Concen: 47.371 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

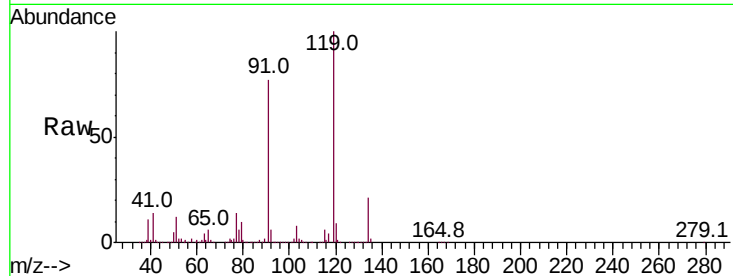
Tot Ion:119 Resp: 1791275

Ion Ratio Lower Upper

119 100

91 77.2 39.1 117.5

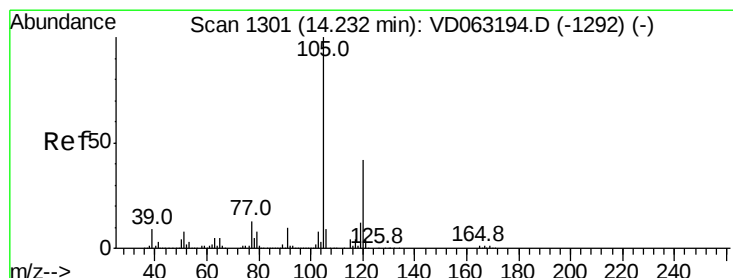
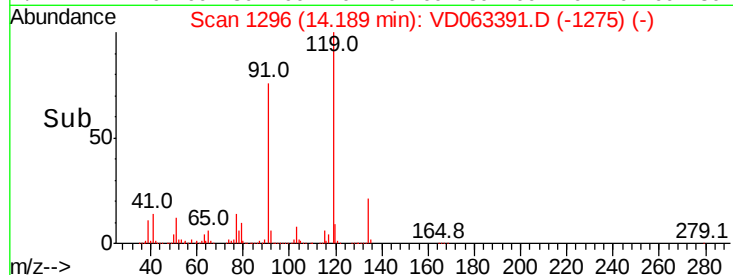
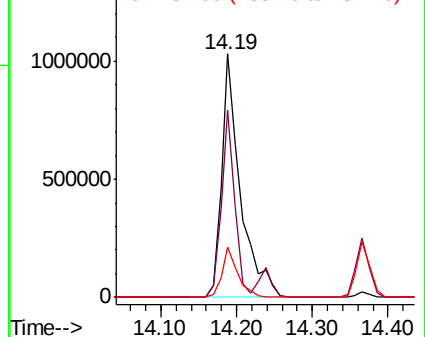
134 20.8 10.9 32.6



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: 41.022 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VD063391.D

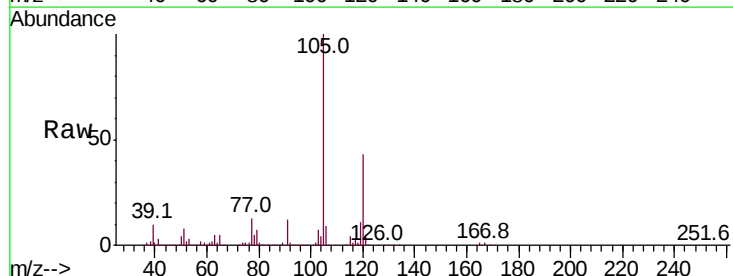
Acq: 5 Aug 2019 20:00

Tgt Ion:105 Resp: 1405181

Ion Ratio Lower Upper

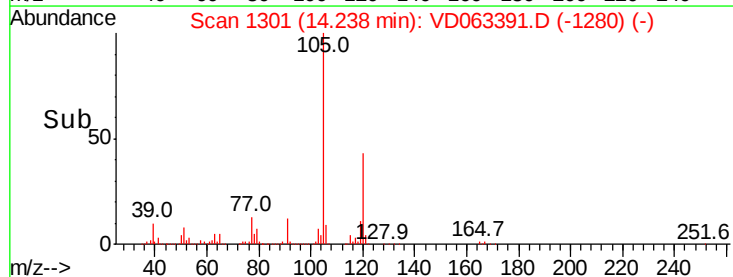
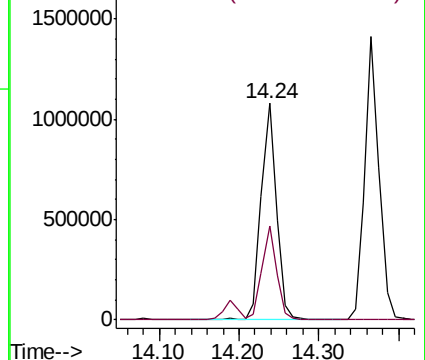
105 100

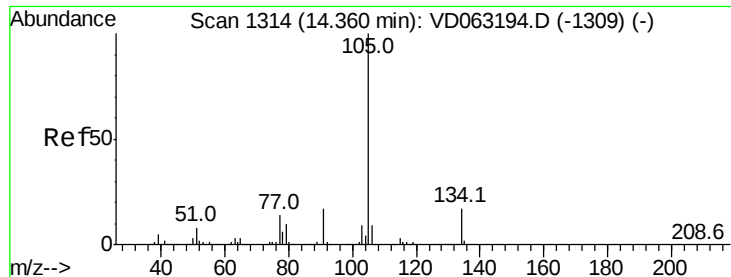
120 43.1 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 43.984 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

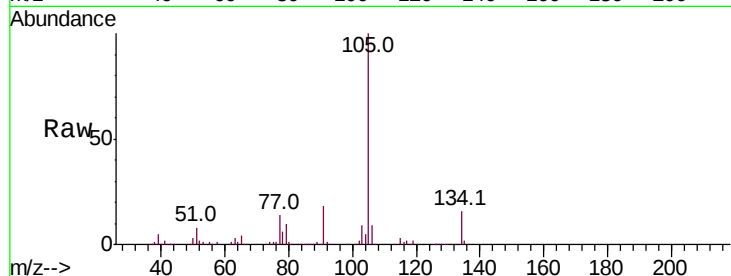
VSTDCCC050EC

Tot Ion:105 Resp: 1752296

Ion Ratio Lower Upper

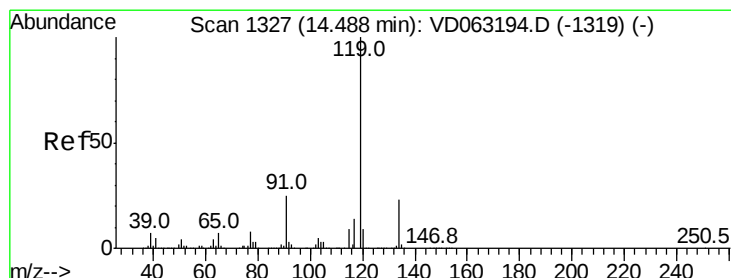
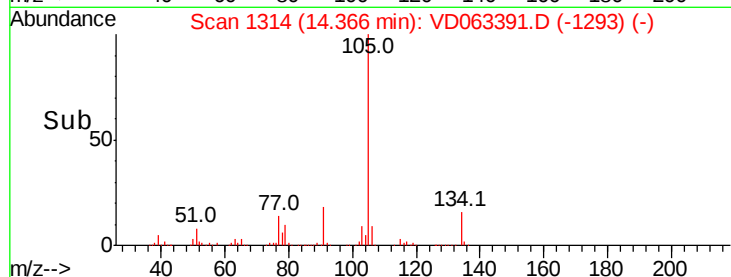
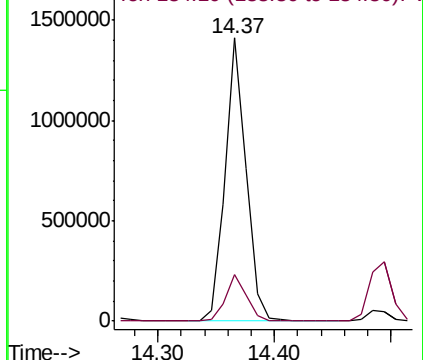
105 100

134 16.5 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: 48.090 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

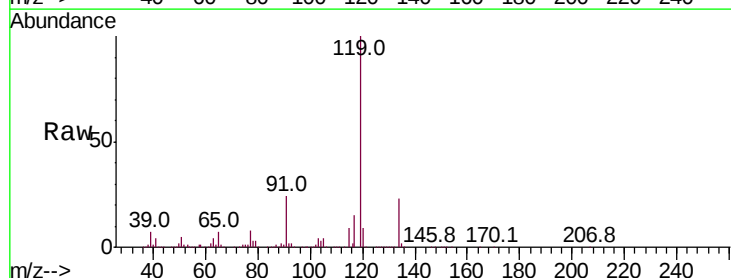
Tgt Ion:119 Resp: 1828608

Ion Ratio Lower Upper

119 100

134 23.1 11.5 34.5

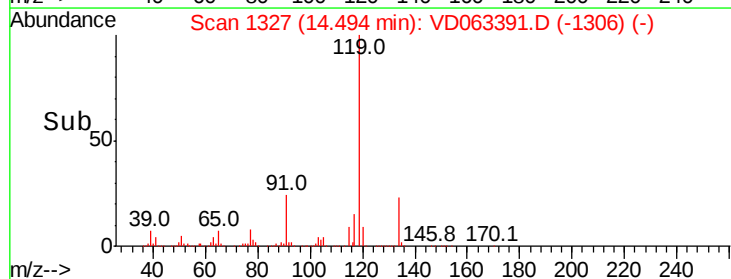
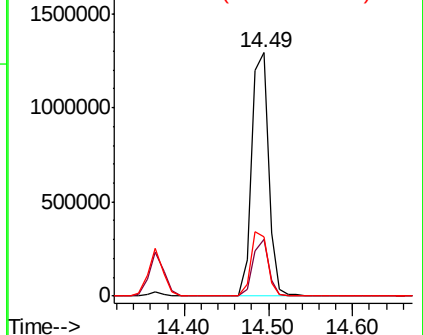
91 24.4 12.6 37.6

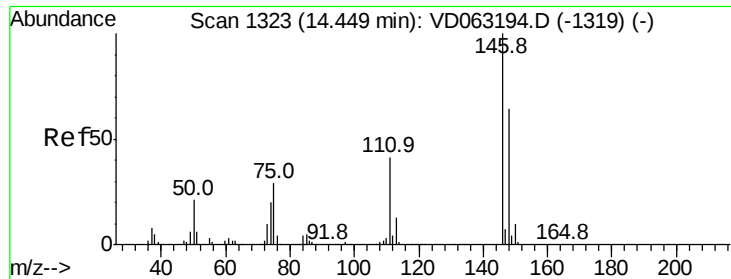


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

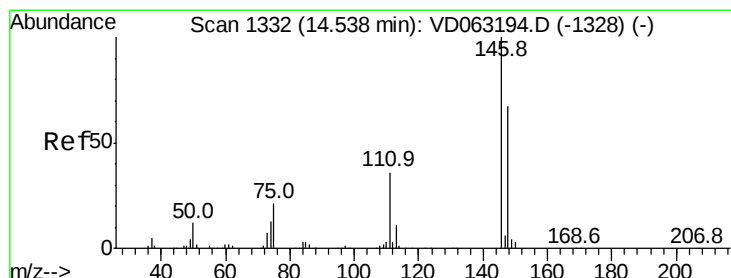
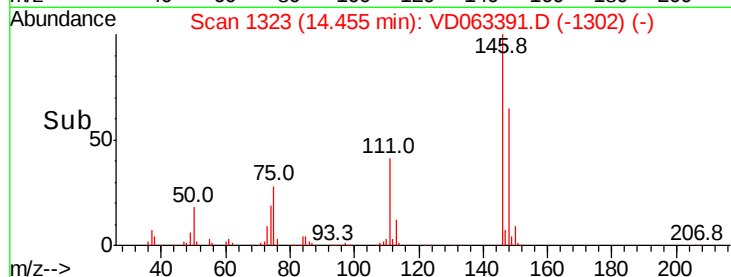
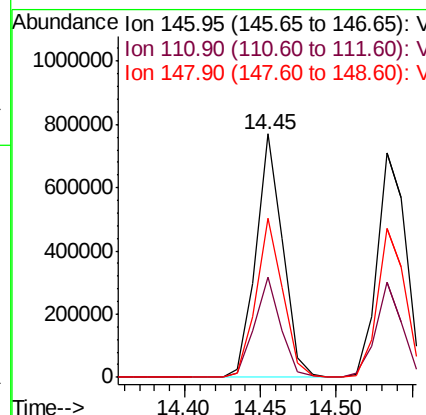
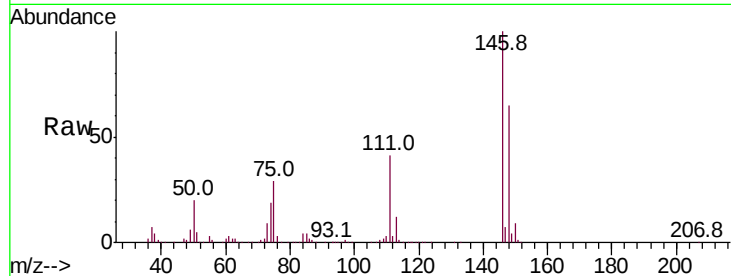




#87  
 1,3-Dichlorobenzene  
 Concen: 49.140 ug/l  
 RT: 14.45 min Scan# 1323  
 Delta R.T. 0.01 min  
 Lab File: VD063391.D  
 Acq: 5 Aug 2019 20:00

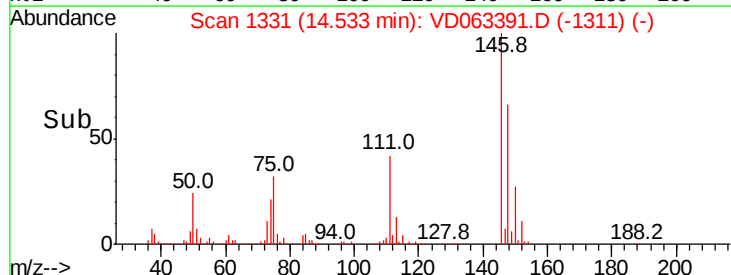
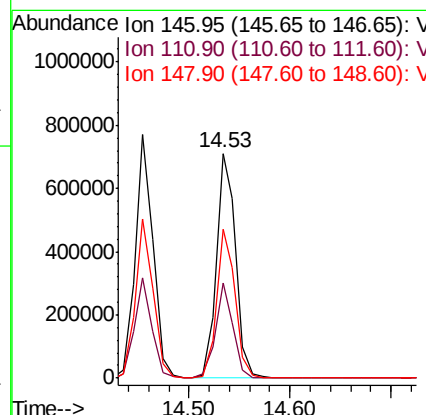
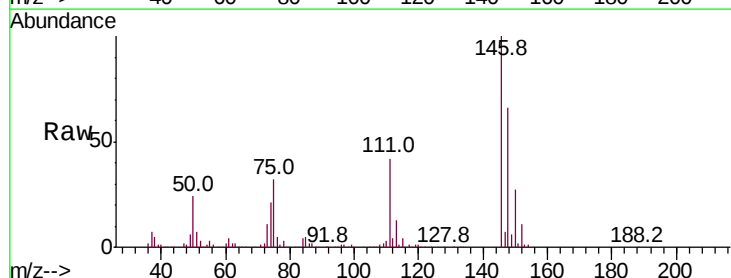
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

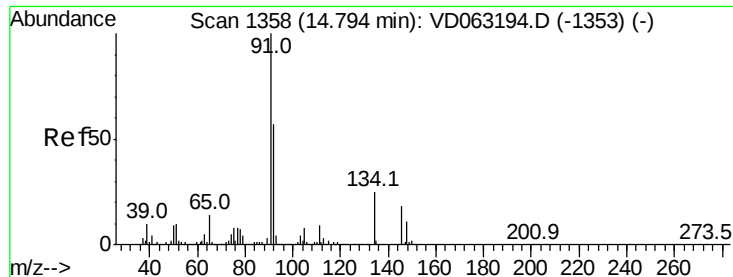
Tot Ion:146 Resp: 951859  
 Ion Ratio Lower Upper  
 146 100  
 111 41.2 20.4 61.3  
 148 65.3 31.8 95.4



#88  
 1,4-Dichlorobenzene  
 Concen: 48.250 ug/l  
 RT: 14.53 min Scan# 1331  
 Delta R.T. -0.00 min  
 Lab File: VD063391.D  
 Acq: 5 Aug 2019 20:00

Tgt Ion:146 Resp: 945101  
 Ion Ratio Lower Upper  
 146 100  
 111 42.4 18.1 54.3  
 148 66.1 33.4 100.1

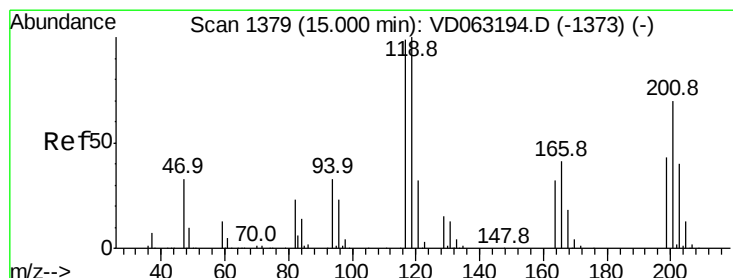
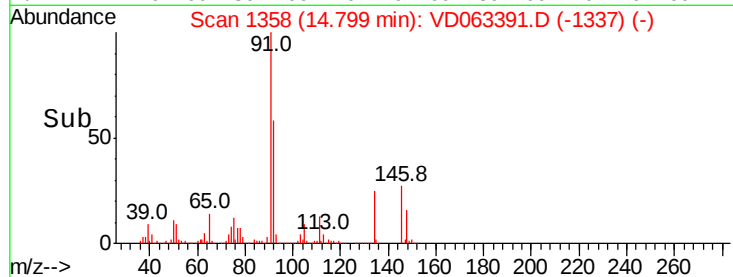
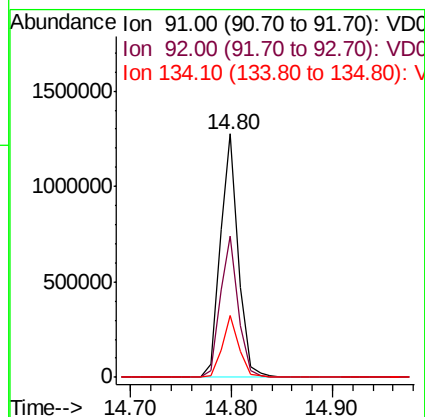
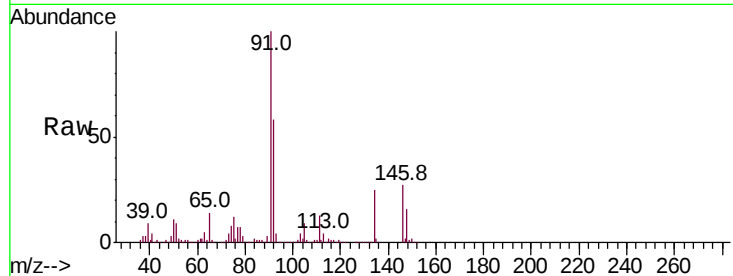




#89  
n-Butylbenzene  
Concen: 48.262 ug/l  
RT: 14.80 min Scan# 1358  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

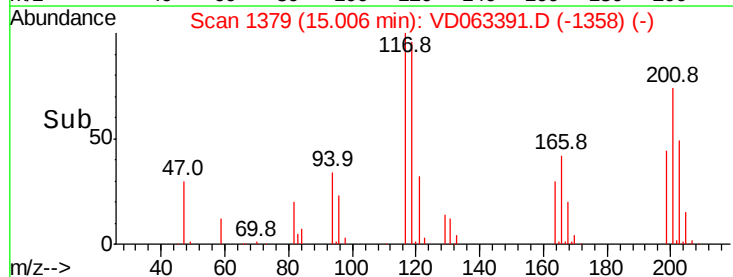
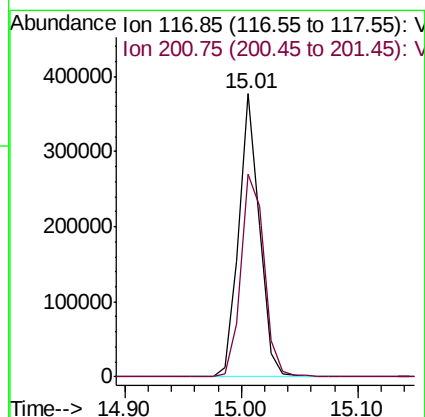
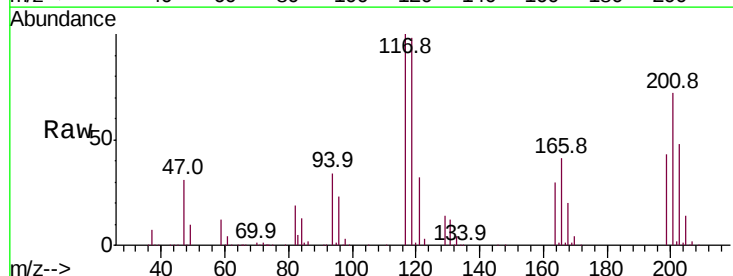
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

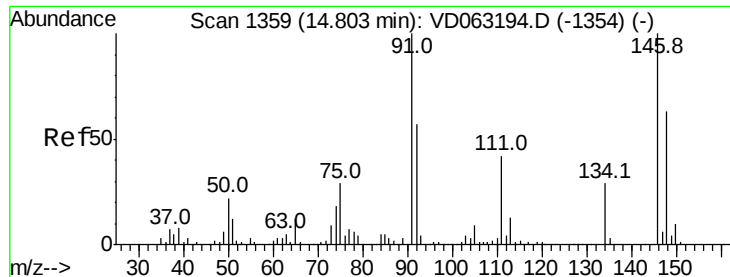
Tot Ion: 91 Resp: 1585016  
Ion Ratio Lower Upper  
91 100  
92 57.8 28.3 85.0  
134 25.2 12.3 36.8



#90  
Hexachloroethane  
Concen: 46.819 ug/l  
RT: 15.01 min Scan# 1379  
Delta R.T. 0.01 min  
Lab File: VD063391.D  
Acq: 5 Aug 2019 20:00

Tgt Ion: 117 Resp: 463831  
Ion Ratio Lower Upper  
117 100  
201 71.5 35.2 105.6

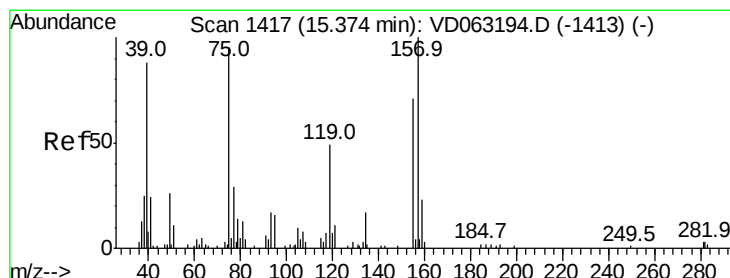
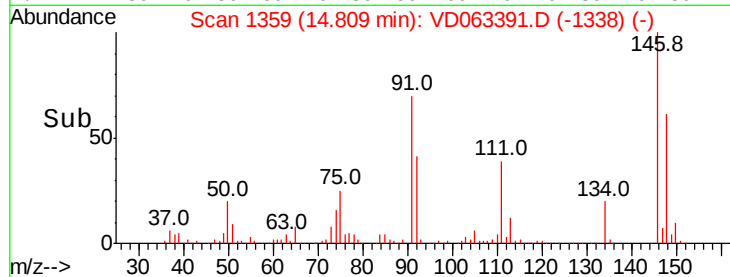
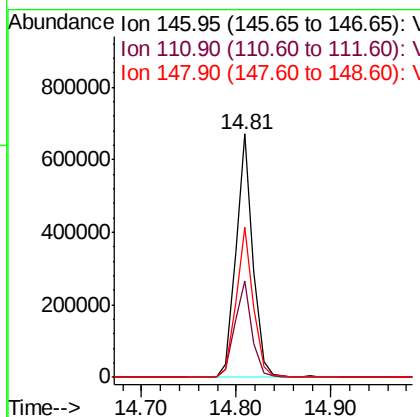
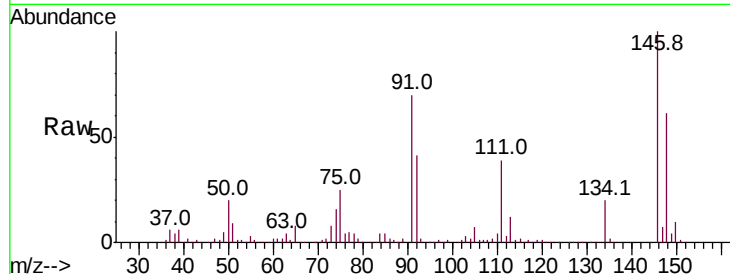




#91  
 1,2-Dichlorobenzene  
 Concen: 49.290 ug/l  
 RT: 14.81 min Scan# 1359  
 Delta R.T. 0.01 min  
 Lab File: VD063391.D  
 Acq: 5 Aug 2019 20:00

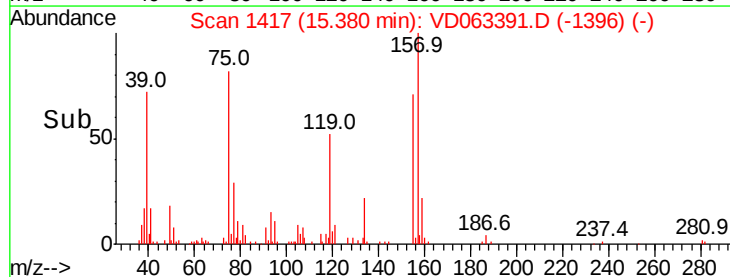
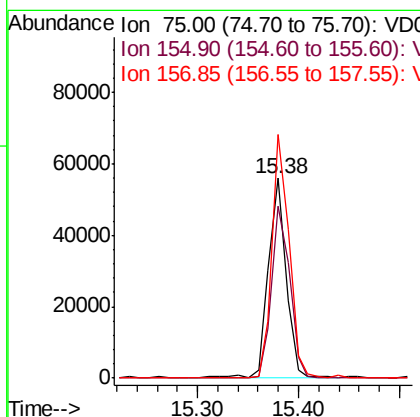
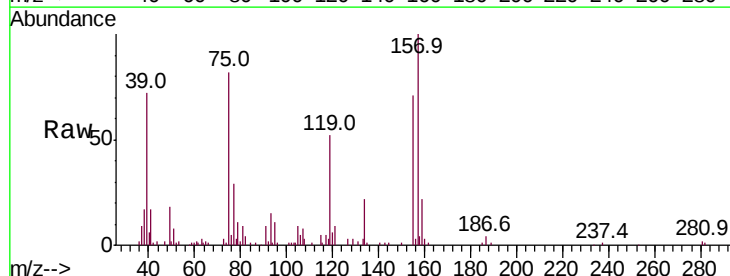
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

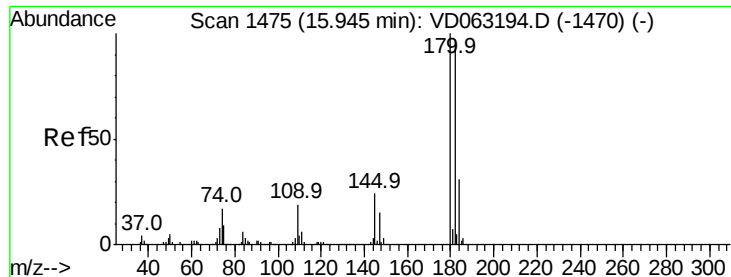
Tot Ion:146 Resp: 831881  
 Ion Ratio Lower Upper  
 146 100  
 111 39.4 21.1 63.3  
 148 61.5 31.6 94.8



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 51.413 ug/l  
 RT: 15.38 min Scan# 1417  
 Delta R.T. 0.01 min  
 Lab File: VD063391.D  
 Acq: 5 Aug 2019 20:00

Tgt Ion: 75 Resp: 68305  
 Ion Ratio Lower Upper  
 75 100  
 155 86.3 37.0 111.0  
 157 122.0 52.4 157.2

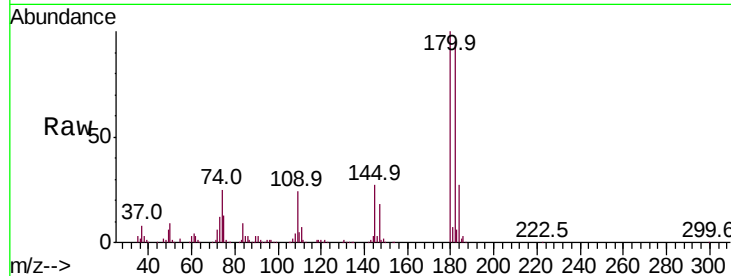




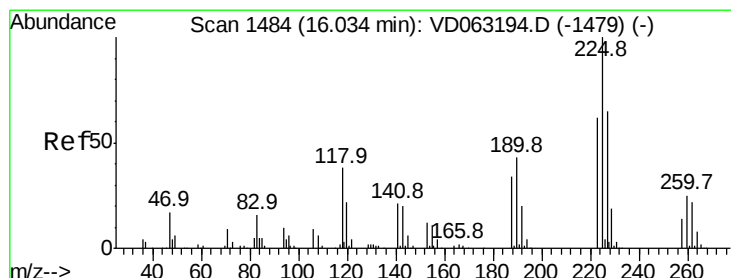
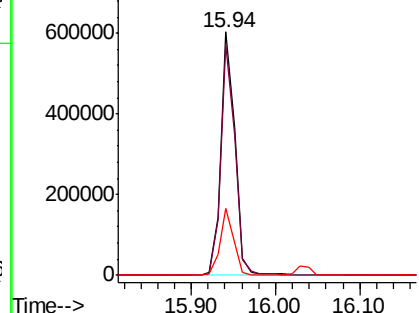
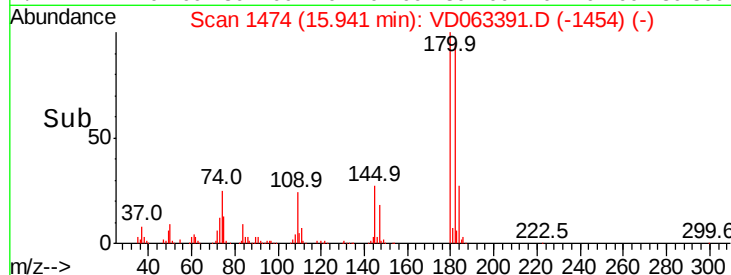
#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.584 ug/l  
 RT: 15.94 min Scan# 1474  
 Delta R.T. -0.00 min  
 Lab File: VD063391.D  
 Acq: 5 Aug 2019 20:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion:180 Resp: 704035  
 Ion Ratio Lower Upper  
 180 100  
 182 94.7 48.6 145.8  
 145 27.3 12.2 36.6

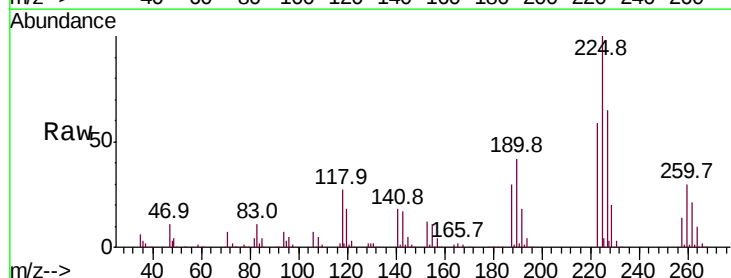


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

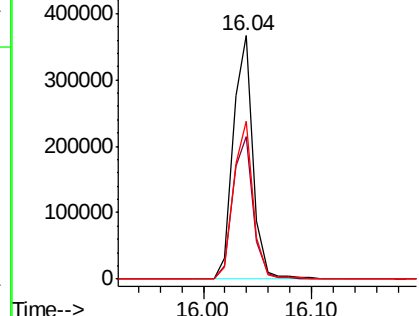
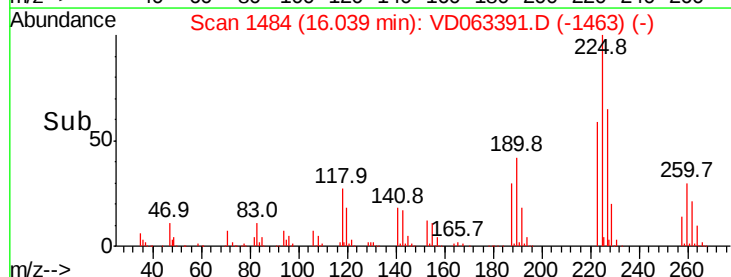


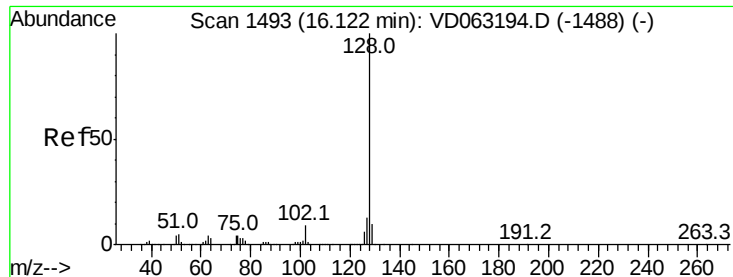
#94  
 Hexachlorobutadiene  
 Concen: 47.926 ug/l  
 RT: 16.04 min Scan# 1484  
 Delta R.T. 0.01 min  
 Lab File: VD063391.D  
 Acq: 5 Aug 2019 20:00

Tgt Ion:225 Resp: 465006  
 Ion Ratio Lower Upper  
 225 100  
 223 58.7 30.9 92.5  
 227 64.7 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: 50.420 ug/l

RT: 16.12 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

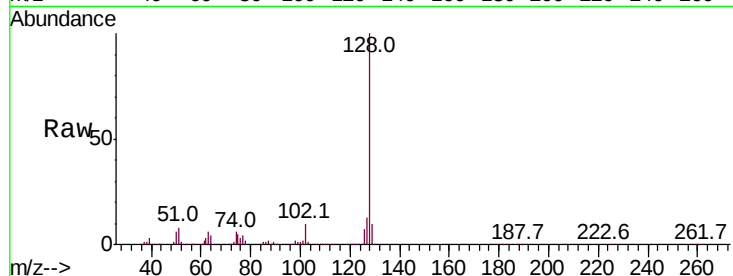
Tot Ion:128 Resp: 954123

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

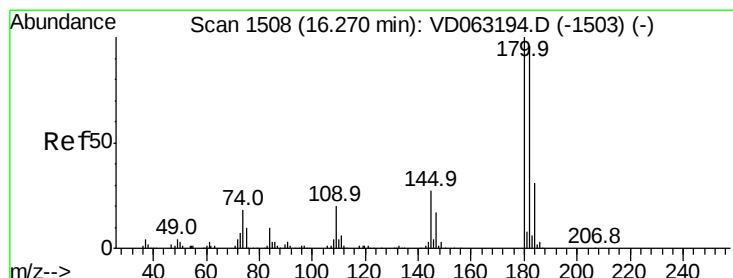
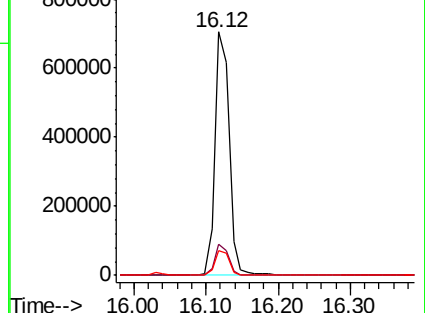
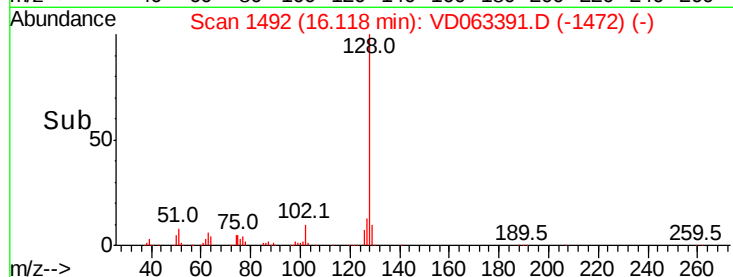
129 10.3 7.8 11.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.944 ug/l

RT: 16.27 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VD063391.D

Acq: 5 Aug 2019 20:00

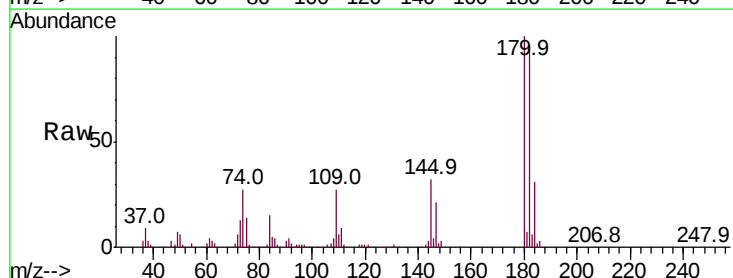
Tgt Ion:180 Resp: 538832

Ion Ratio Lower Upper

180 100

182 96.2 48.3 144.9

145 31.8 13.6 40.7



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

