

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\  
 Data File : VD065819.D  
 Acq On : 18 Jun 2020 20:09  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jun 19 01:04:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D060520S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 05 13:07:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 189229   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 310048   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 293154   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 156237   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.34   | 65  | 100328   | 53.66 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.32% |      |
| 35) Dibromofluoromethane    | 7.91   | 113 | 97041    | 49.55 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.10%  |      |
| 50) Toluene-d8              | 10.34  | 98  | 375600   | 51.43 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.86% |      |
| 62) 4-Bromofluorobenzene    | 12.64  | 95  | 129345   | 52.23 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.46% |      |

| Target Compounds              |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 48995  | 37.511  | ug/l   | 98     |
| 3) Chloromethane              | 2.21 | 50  | 108230 | 51.197  | ug/l   | 94     |
| 4) Vinyl Chloride             | 2.35 | 62  | 131011 | 46.927  | ug/l   | 98     |
| 5) Bromomethane               | 2.77 | 94  | 97673  | 50.026  | ug/l   | 99     |
| 6) Chloroethane               | 2.93 | 64  | 93245  | 49.396  | ug/l   | 96     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 135826 | 42.941  | ug/l   | 97     |
| 8) Diethyl Ether              | 3.71 | 74  | 40252  | 48.402  | ug/l   | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.10 | 101 | 81093  | 42.995  | ug/l   | 96     |
| 10) Methyl Iodide             | 4.31 | 142 | 79889  | 43.497  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 5.22 | 59  | 26855  | 257.264 | ug/l # | 95     |
| 12) 1,1-Dichloroethene        | 4.07 | 96  | 75229  | 43.762  | ug/l   | 91     |
| 13) Acrolein                  | 3.92 | 56  | 22239  | 211.749 | ug/l   | 98     |
| 14) Allyl chloride            | 4.71 | 41  | 134611 | 47.378  | ug/l   | 97     |
| 15) Acrylonitrile             | 5.43 | 53  | 99448  | 263.293 | ug/l   | 99     |
| 16) Acetone                   | 4.16 | 43  | 81562  | 231.243 | ug/l   | 100    |
| 17) Carbon Disulfide          | 4.41 | 76  | 247275 | 42.857  | ug/l   | 98     |
| 18) Methyl Acetate            | 4.72 | 43  | 42823  | 54.127  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 195562 | 50.224  | ug/l   | 97     |
| 20) Methylene Chloride        | 4.97 | 84  | 102741 | 55.323  | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 5.48 | 96  | 93591  | 46.488  | ug/l   | 99     |
| 22) Diisopropyl ether         | 6.36 | 45  | 309943 | 53.989  | ug/l   | 99     |
| 23) Vinyl Acetate             | 6.31 | 43  | 890338 | 274.646 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 170620 | 48.778  | ug/l   | 99     |
| 25) 2-Butanone                | 7.21 | 43  | 122490 | 251.460 | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 142675 | 46.002  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 108003 | 49.872  | ug/l   | 98     |
| 28) Bromochloromethane        | 7.55 | 49  | 70109  | 51.896  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.56 | 42  | 82878  | 269.201 | ug/l   | 98     |
| 30) Chloroform                | 7.71 | 83  | 184748 | 50.957  | ug/l   | 98     |
| 31) Cyclohexane               | 7.98 | 56  | 145472 | 43.382  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.91 | 97  | 160884 | 48.259  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 137142 | 46.175  | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.30 | 43  | 60324  | 51.565  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 144154 | 46.119  | ug/l   | 94     |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDCCC050EC

Quant Time: Jun 19 01:04:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D060520S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 05 13:07:30 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 39) Methylcyclohexane          | 9.36  | 83   | 157851   | 44.889  | ug/l   | 100      |
| 40) Benzene                    | 8.36  | 78   | 393289   | 48.437  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.56  | 41   | 83396    | 119.721 | ug/l # | 50       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 120811   | 49.313  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.45  | 43   | 116838   | 50.225  | ug/l   | 99       |
| 44) Trichloroethene            | 9.11  | 130  | 102139   | 45.203  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 101318   | 49.662  | ug/l   | 97       |
| 46) Dibromomethane             | 9.48  | 93   | 55491    | 50.151  | ug/l   | 94       |
| 47) Bromodichloromethane       | 9.66  | 83   | 146324   | 49.350  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.46  | 41   | 54054    | 48.004  | ug/l   | 90       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 11352    | 963.898 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 300938   | 264.002 | ug/l   | 98       |
| 52) Toluene                    | 10.40 | 92   | 259408   | 49.170  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 134463   | 50.080  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 159077   | 50.166  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 75924    | 51.354  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 92175    | 53.006  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 130958   | 51.128  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 225917   | 279.439 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.98 | 43   | 204439   | 266.018 | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.14 | 129  | 101179   | 50.660  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 74137    | 51.025  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.88 | 164  | 87407    | 44.093  | ug/l   | 87       |
| 65) Chlorobenzene              | 11.67 | 112  | 277633   | 48.511  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 103524   | 48.528  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.75 | 91   | 504162   | 49.312  | ug/l   | 96       |
| 68) m/p-Xylenes                | 11.86 | 106  | 392475   | 99.662  | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 180891   | 50.945  | ug/l   | 100      |
| 70) Styrene                    | 12.20 | 104  | 321150   | 52.248  | ug/l   | 99       |
| 71) Bromoform                  | 12.37 | 173  | 56739    | 48.299  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.48 | 105  | 484101   | 46.214  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.29 | 43   | 112077   | 48.092  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 84470    | 47.748  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 110145   | 90.649  | ug/l # | 100      |
| 77) Bromobenzene               | 12.77 | 156  | 116062   | 46.829  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.83 | 91   | 590102   | 46.800  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 332143   | 48.017  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 414834   | 47.589  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 27384    | 48.694  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 354078   | 47.690  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.23 | 119  | 360676   | 47.685  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 416929   | 47.785  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 494700   | 46.997  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 462801   | 47.969  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 230189   | 47.104  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 229990   | 47.312  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.85 | 91   | 438385   | 47.643  | ug/l   | 98       |
| 90) Hexachloroethane           | 14.11 | 117  | 92246    | 47.767  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 201655   | 47.948  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 13591    | 46.162  | ug/l   | 95       |

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Acq On : 18 Jun 2020 20:09  
Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

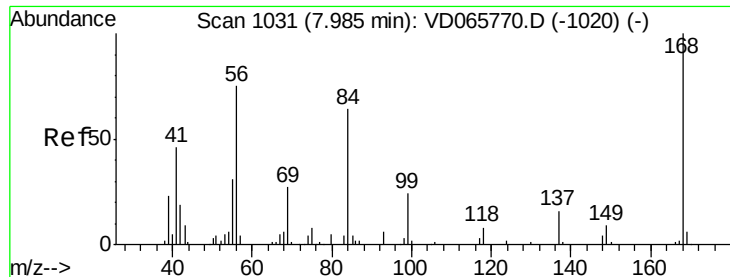
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Jun 19 01:04:27 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D060520S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 05 13:07:30 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 134548   | 47.052 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.27 | 225  | 73655    | 42.609 | ug/l  | 97       |
| 95) Naphthalene            | 15.41 | 128  | 234739   | 48.462 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 114985   | 46.688 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

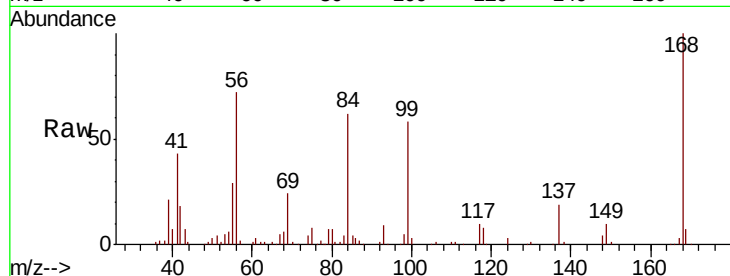
VSTDCCC050EC

Tot Ion:168 Resp: 189229

Ion Ratio Lower Upper

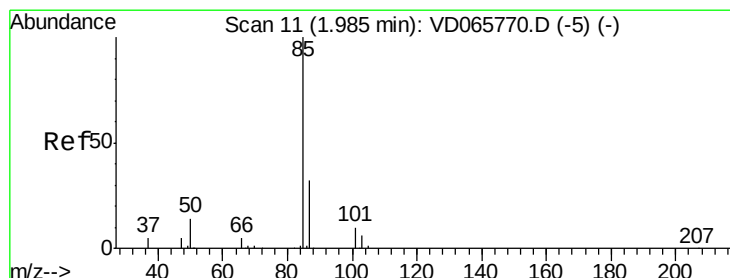
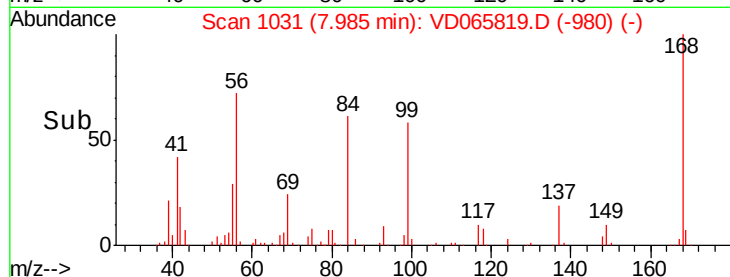
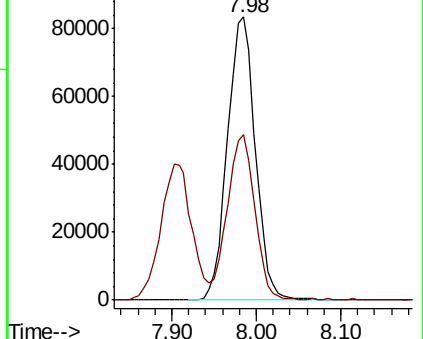
168 100

99 58.2 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 37.511 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065819.D

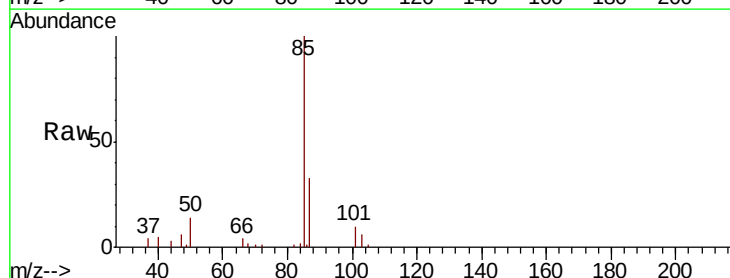
Acq: 18 Jun 2020 20:09

Tgt Ion: 85 Resp: 48995

Ion Ratio Lower Upper

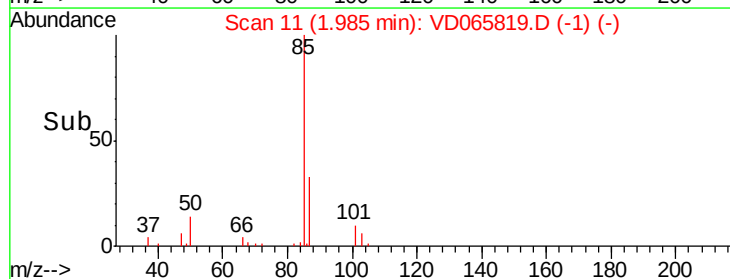
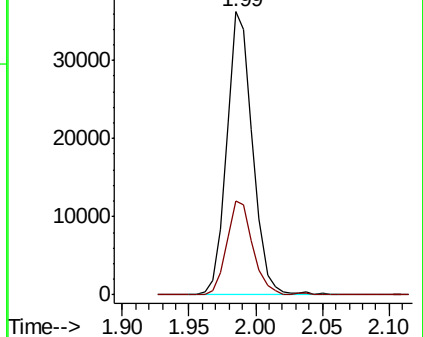
85 100

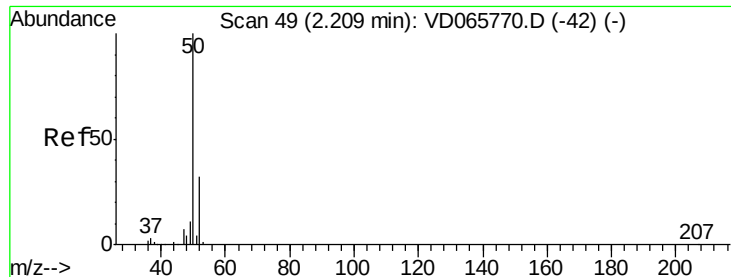
87 33.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 51.197 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

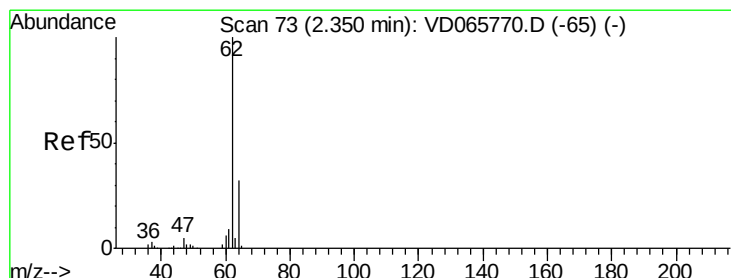
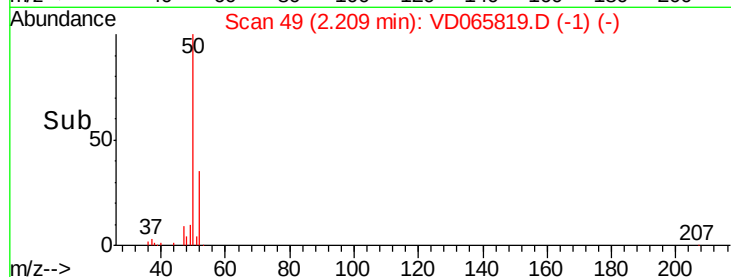
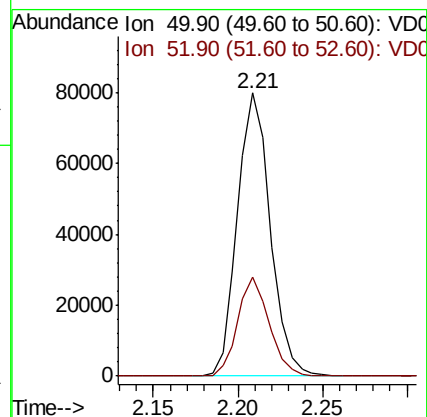
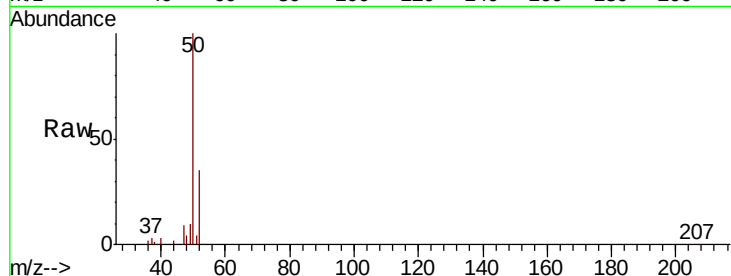
VSTDCCC050EC

Tot Ion: 50 Resp: 108230

Ion Ratio Lower Upper

50 100

52 35.2 25.6 38.4



#4

Vinyl Chloride

Concen: 46.927 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065819.D

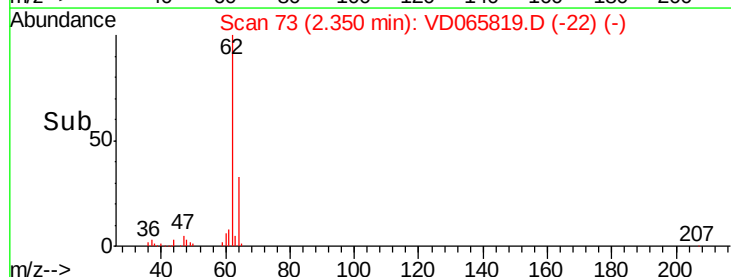
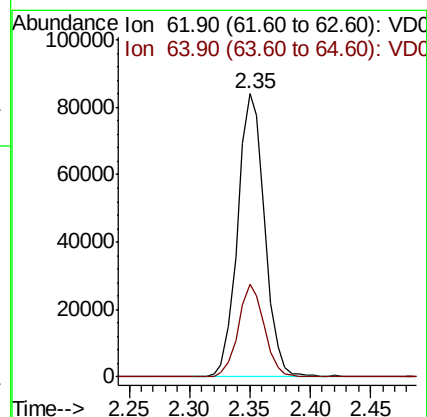
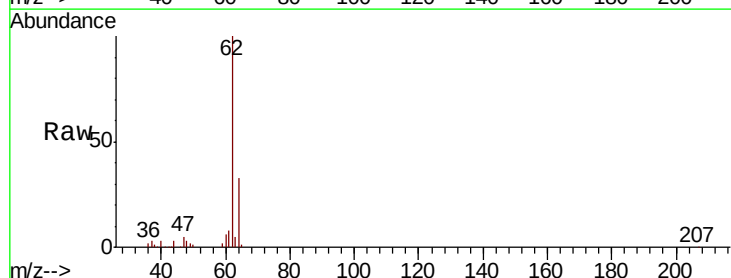
Acq: 18 Jun 2020 20:09

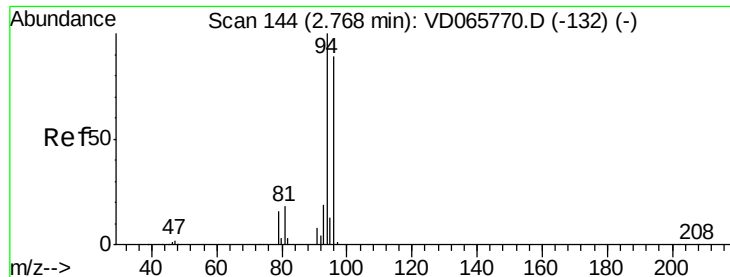
Tgt Ion: 62 Resp: 131011

Ion Ratio Lower Upper

62 100

64 32.8 25.3 37.9





#5

Bromomethane

Concen: 50.026 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

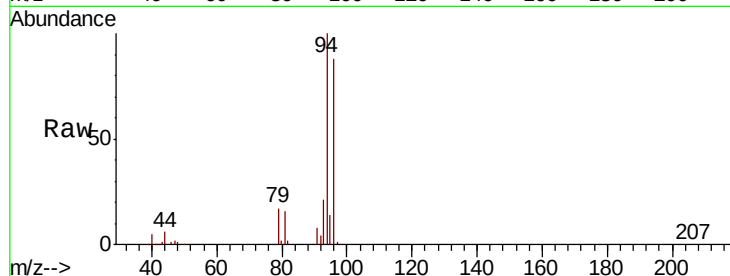
VSTDCCC050EC

Tot Ion: 94 Resp: 97673

Ion Ratio Lower Upper

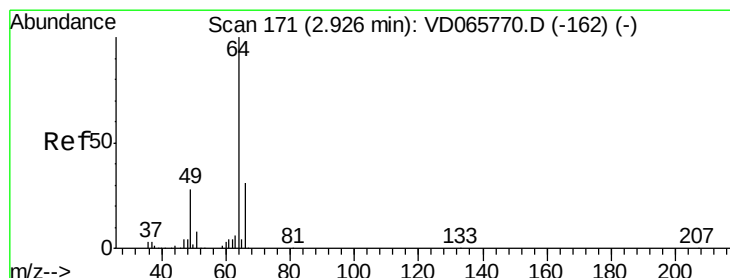
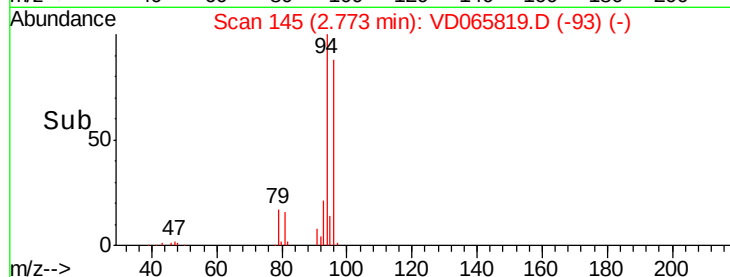
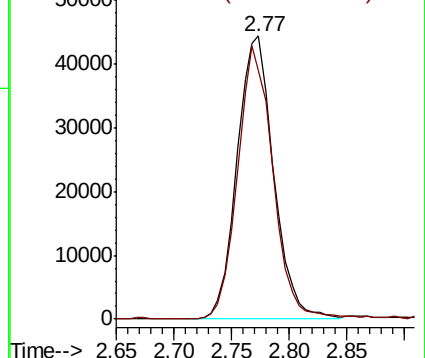
94 100

96 87.8 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.396 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065819.D

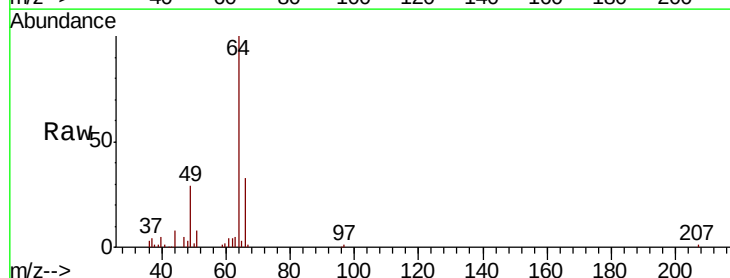
Acq: 18 Jun 2020 20:09

Tgt Ion: 64 Resp: 93245

Ion Ratio Lower Upper

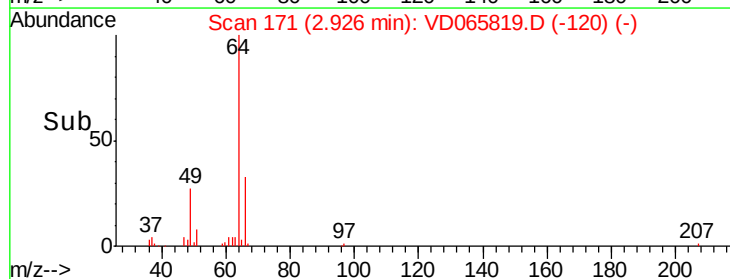
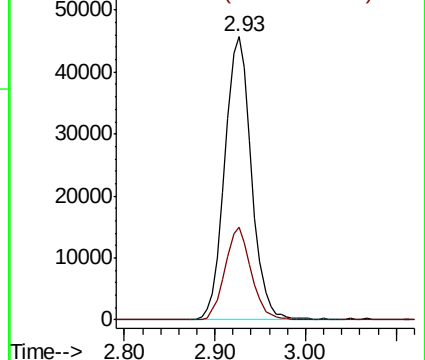
64 100

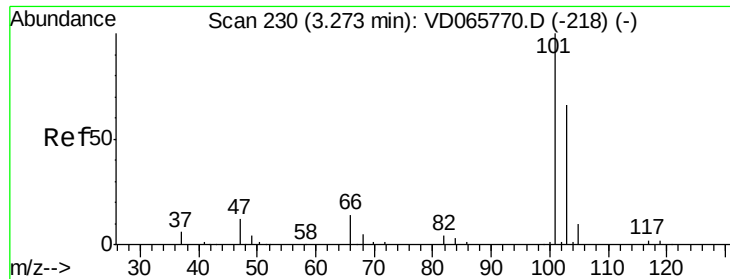
66 32.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



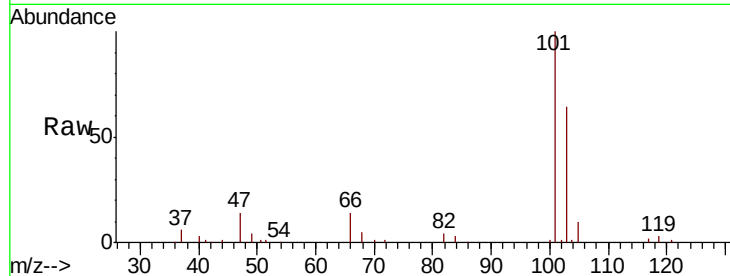


#7

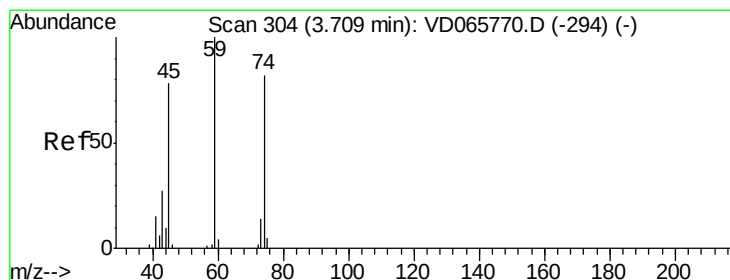
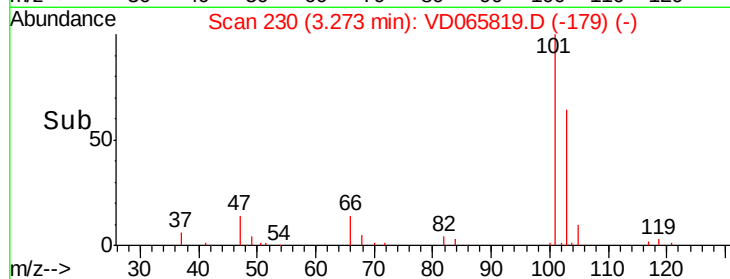
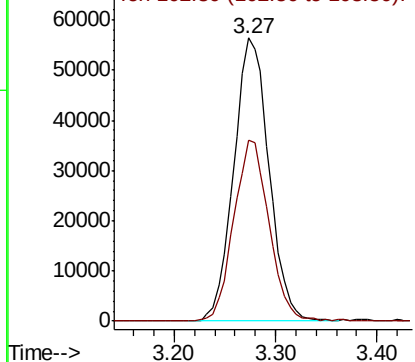
Trichlorofluoromethane  
 Concen: 42.941 ug/l  
 RT: 3.27 min Scan# 230  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion:101 Resp: 135826  
 Ion Ratio Lower Upper  
 101 100  
 103 63.8 53.1 79.7



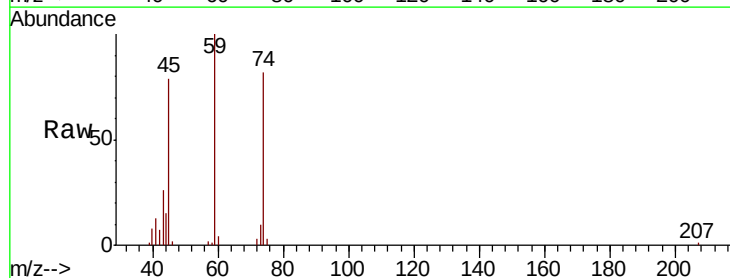
Abundance Ion 100.90 (100.60 to 101.60): V  
 Ion 102.80 (102.50 to 103.50): V



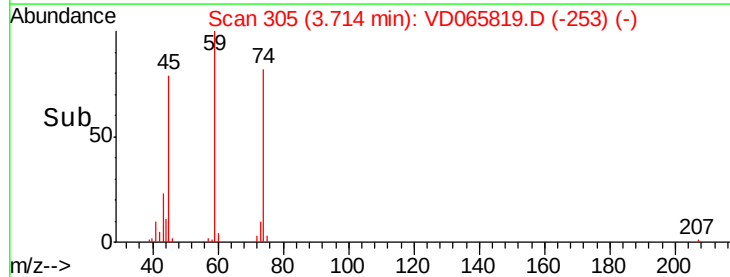
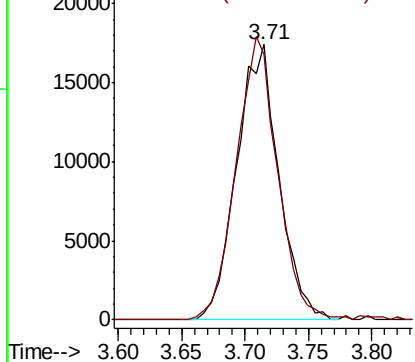
#8

Diethyl Ether  
 Concen: 48.402 ug/l  
 RT: 3.71 min Scan# 305  
 Delta R.T. 0.01 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

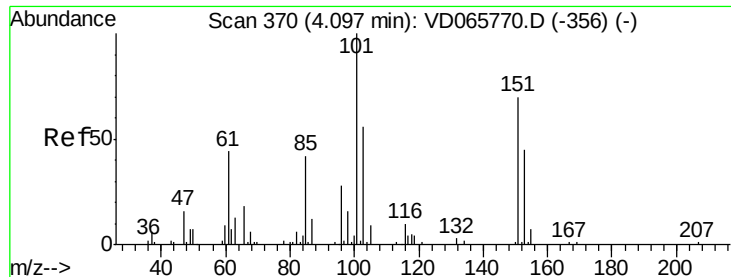
Tgt Ion: 74 Resp: 40252  
 Ion Ratio Lower Upper  
 74 100  
 45 100.6 47.9 143.8



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







#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.995 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

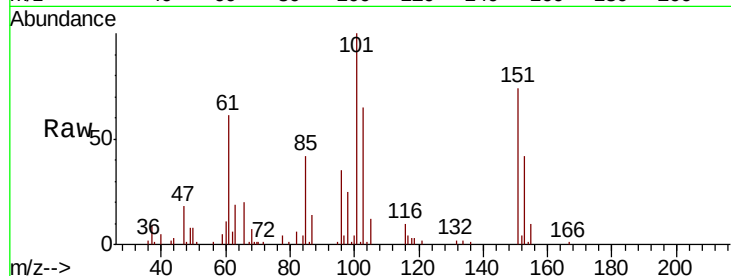
Tot Ion:101 Resp: 81093

Ion Ratio Lower Upper

101 100

85 47.1 36.5 54.7

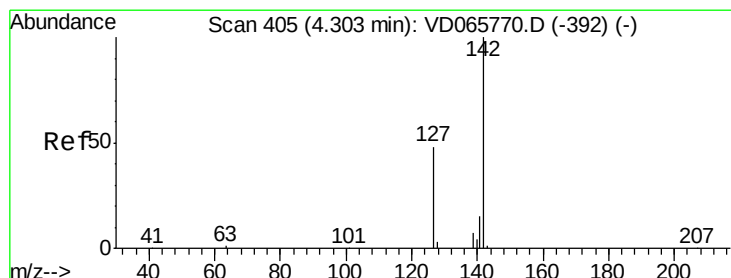
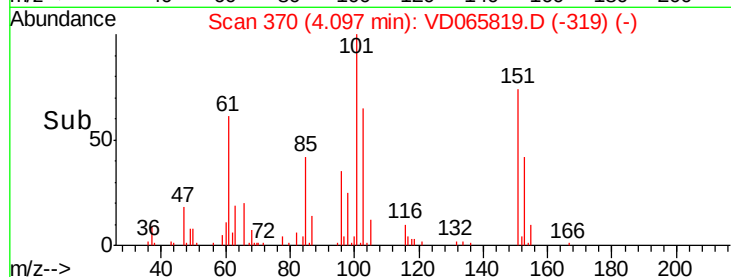
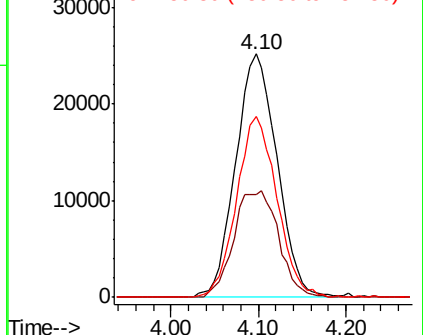
151 72.4 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.497 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

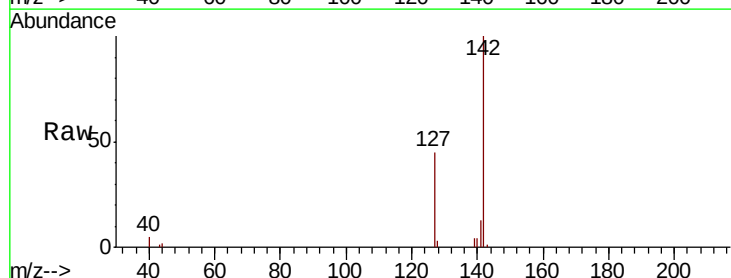
Tgt Ion:142 Resp: 79889

Ion Ratio Lower Upper

142 100

127 48.0 37.6 56.4

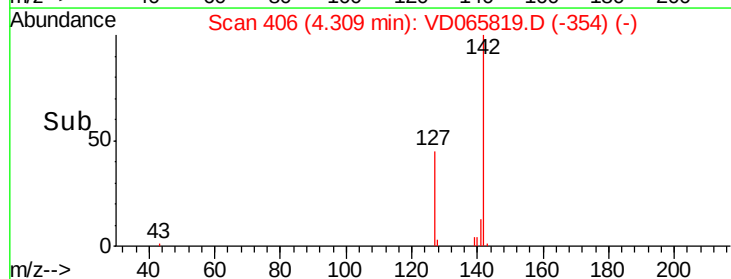
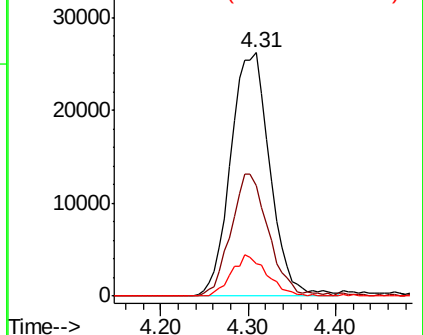
141 15.4 12.1 18.1

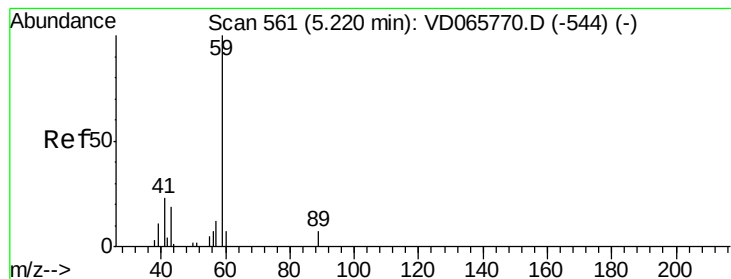


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



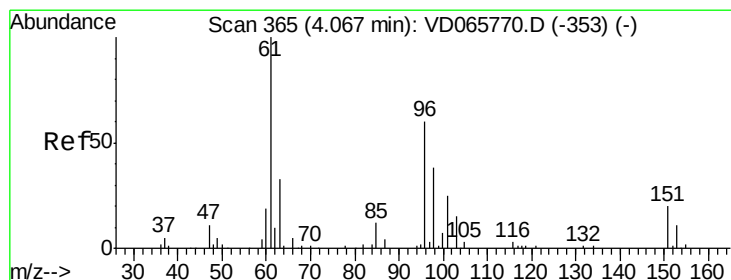
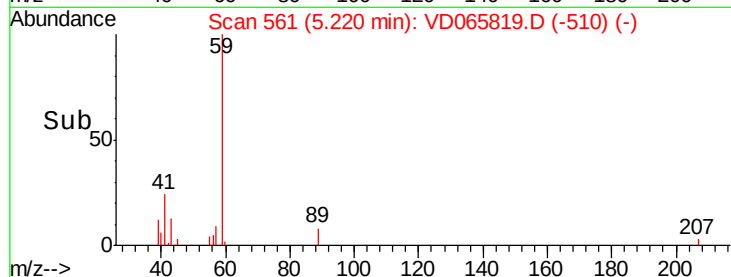
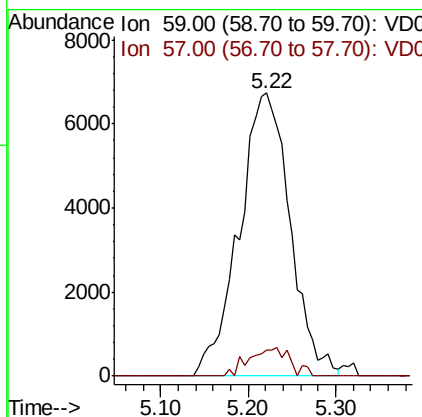
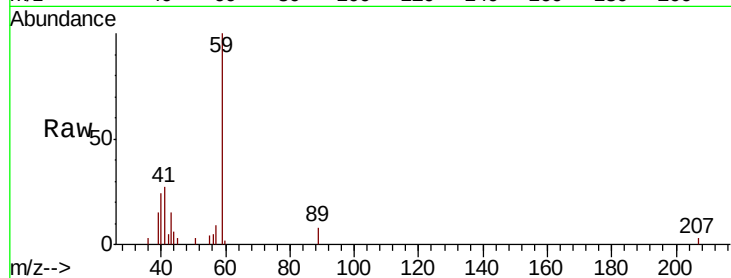


#11

Tert butyl alcohol  
 Concen: 257.264 ug/l  
 RT: 5.22 min Scan# 561  
 Delta R.T. 0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

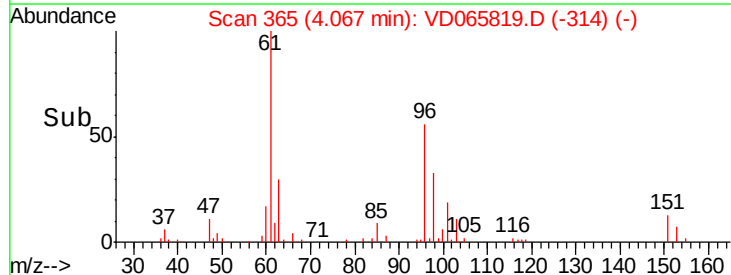
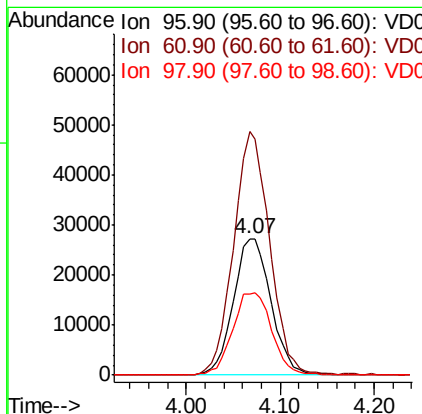
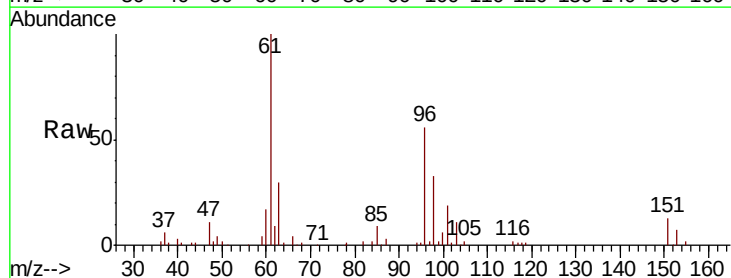
Tot Ion: 59 Resp: 26855  
 Ion Ratio Lower Upper  
 59 100  
 57 7.4 7.5 11.3#

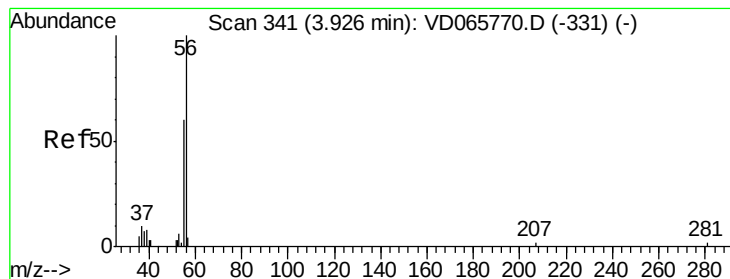


#12

1,1-Dichloroethene  
 Concen: 43.762 ug/l  
 RT: 4.07 min Scan# 365  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

Tgt Ion: 96 Resp: 75229  
 Ion Ratio Lower Upper  
 96 100  
 61 178.7 132.3 198.5  
 98 59.4 50.7 76.1





#13

Acrolein

Concen: 211.749 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

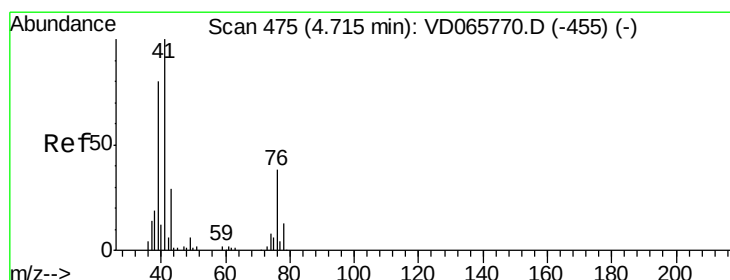
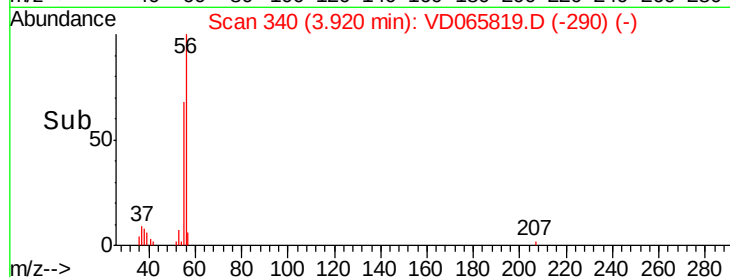
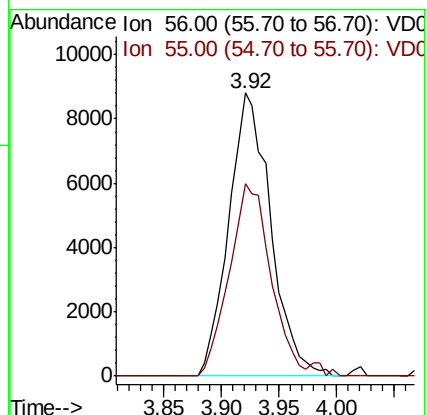
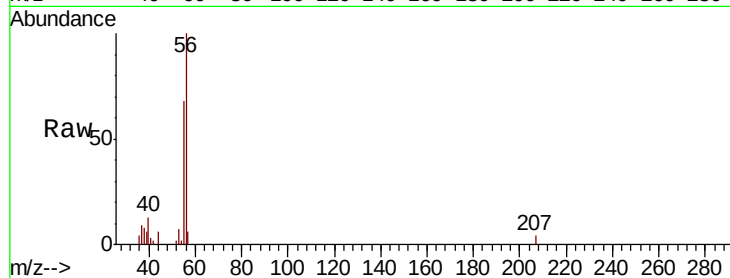
VSTDCCC050EC

Tot Ion: 56 Resp: 22239

Ion Ratio Lower Upper

56 100

55 66.8 54.8 82.2



#14

Allyl chloride

Concen: 47.378 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

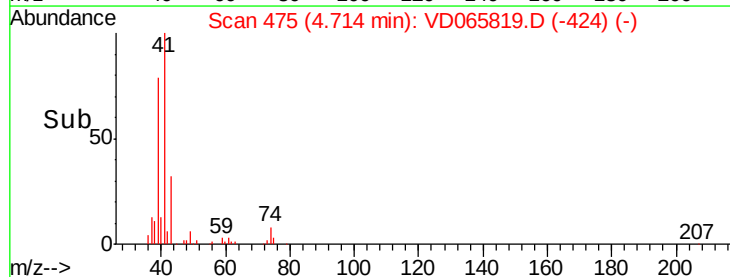
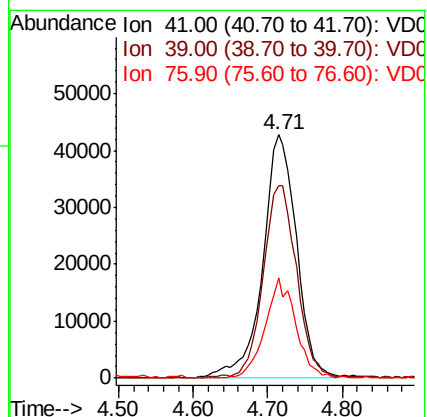
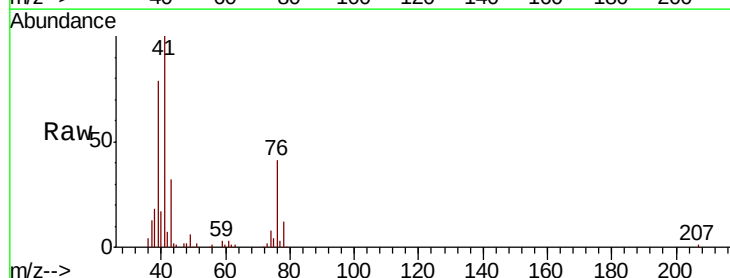
Tgt Ion: 41 Resp: 134611

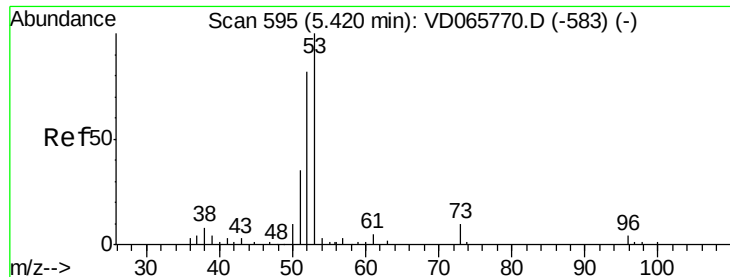
Ion Ratio Lower Upper

41 100

39 79.1 60.9 91.3

76 37.0 28.9 43.3





#15

Acrylonitrile

Concen: 263.293 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

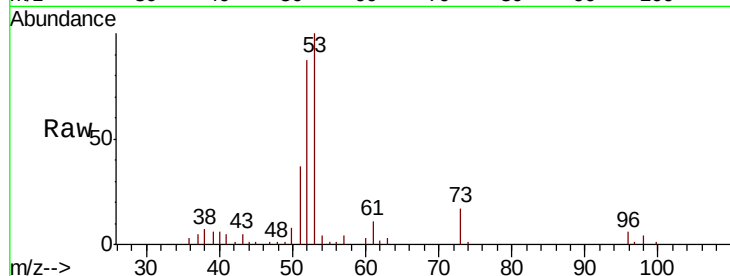
Tot Ion: 53 Resp: 99448

Ion Ratio Lower Upper

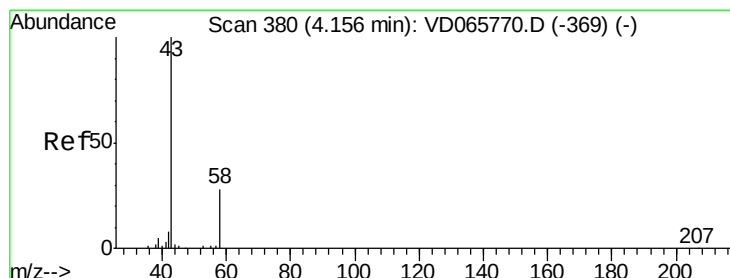
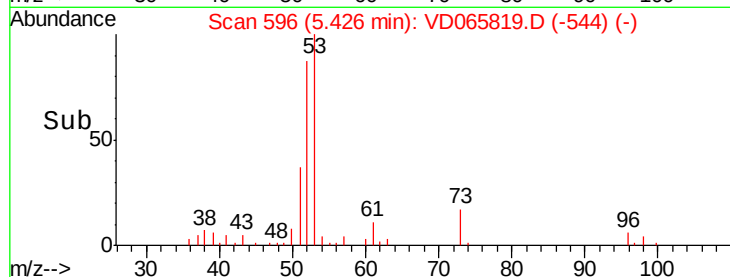
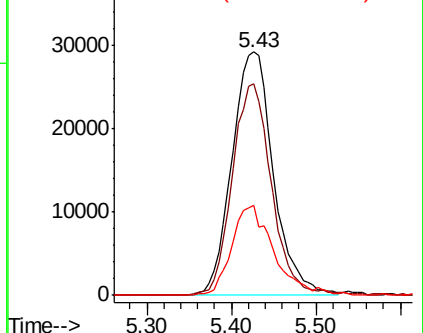
53 100

52 82.5 66.2 99.2

51 36.4 30.7 46.1



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: 231.243 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065819.D

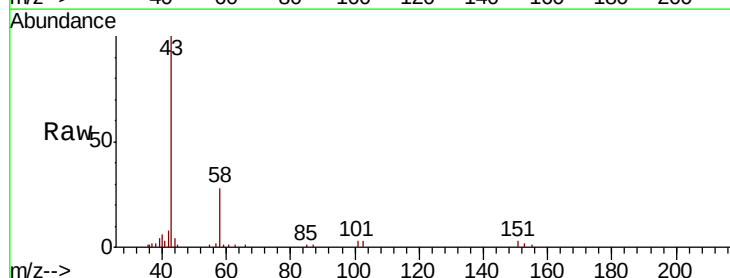
Acq: 18 Jun 2020 20:09

Tgt Ion: 43 Resp: 81562

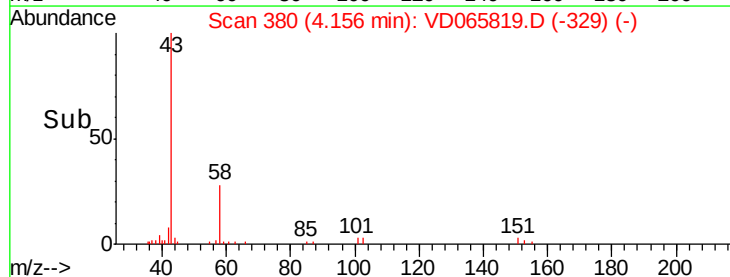
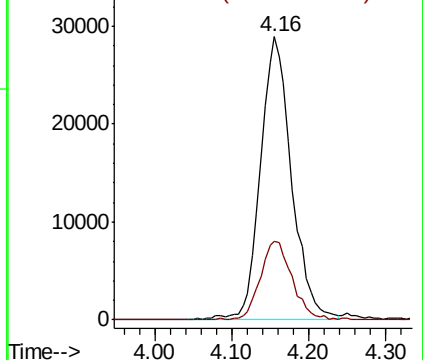
Ion Ratio Lower Upper

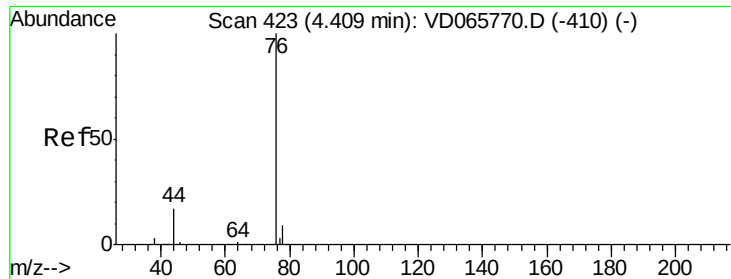
43 100

58 27.8 22.3 33.5



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





#17

Carbon Disulfide

Concen: 42.857 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

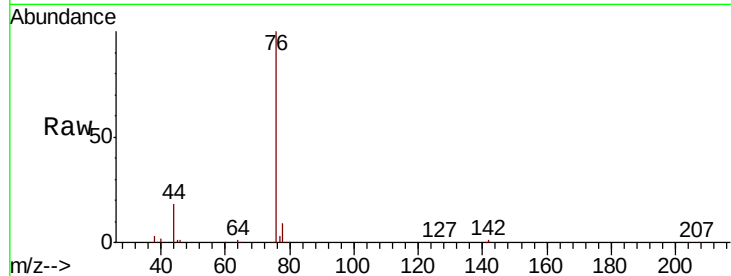
VSTDCCC050EC

Tot Ion: 76 Resp: 247275

Ion Ratio Lower Upper

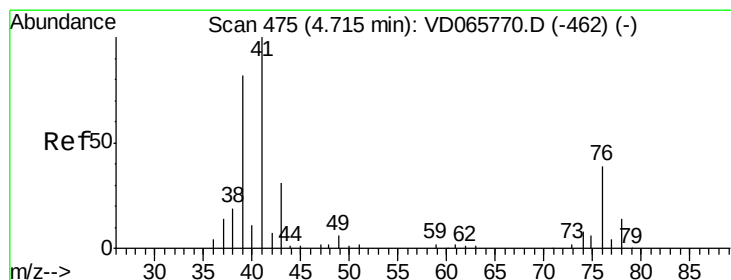
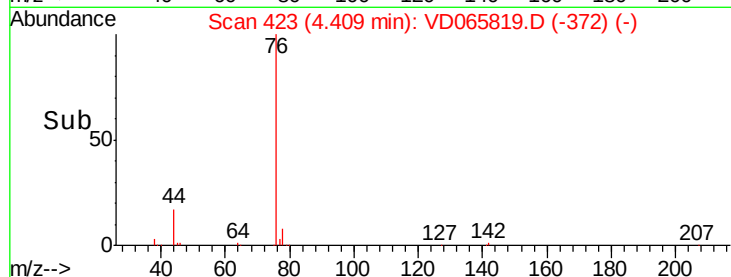
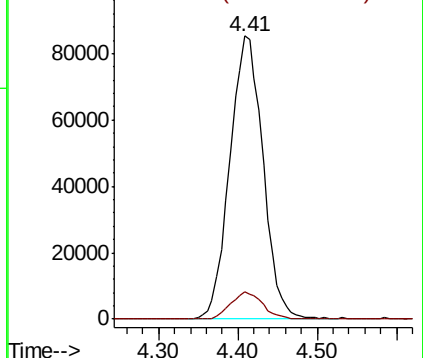
76 100

78 9.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 54.127 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065819.D

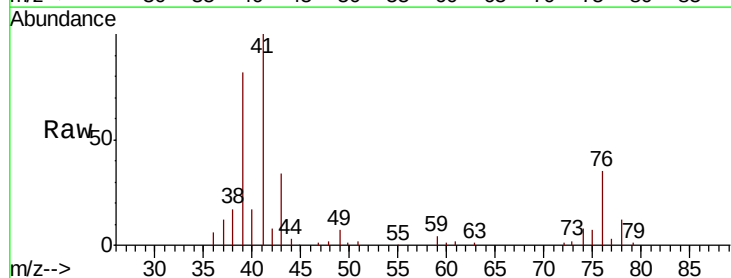
Acq: 18 Jun 2020 20:09

Tgt Ion: 43 Resp: 42823

Ion Ratio Lower Upper

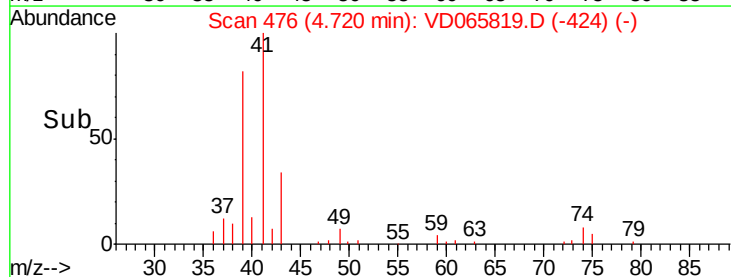
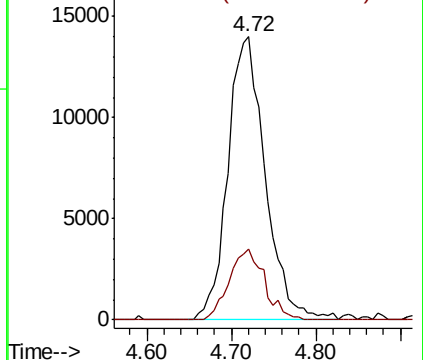
43 100

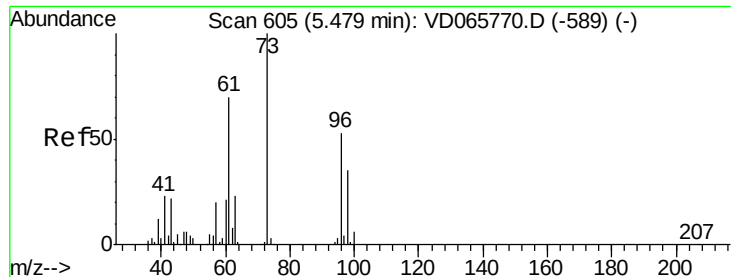
74 23.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

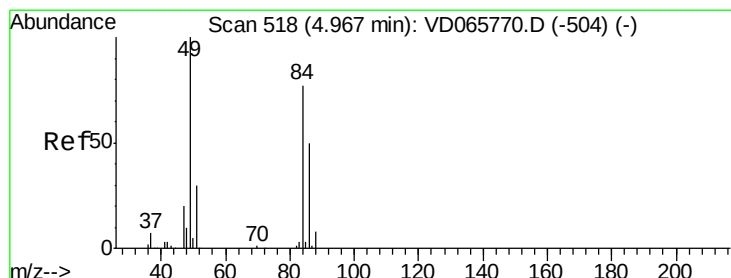
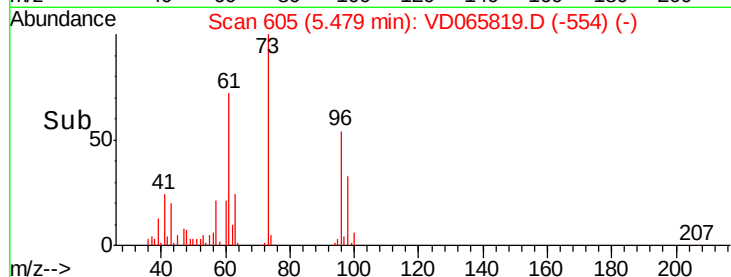
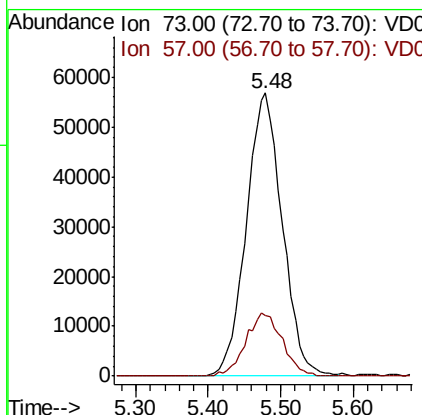
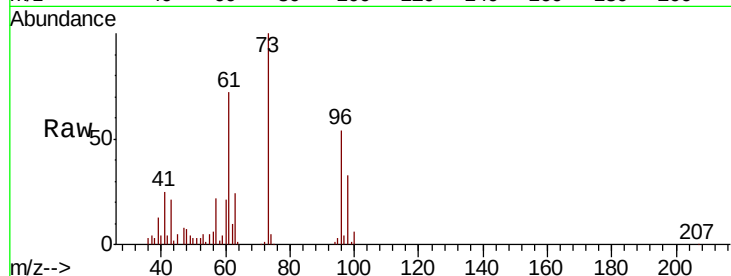




#19  
Methvl tert-butyl Ether  
Concen: 50.224 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

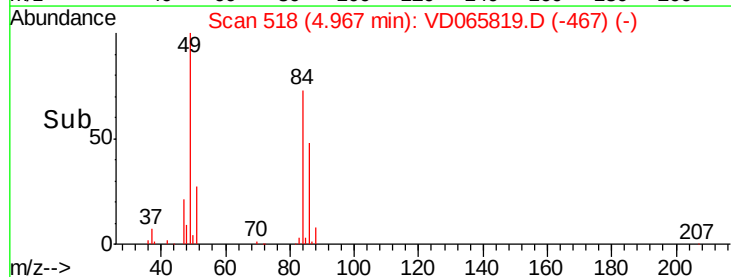
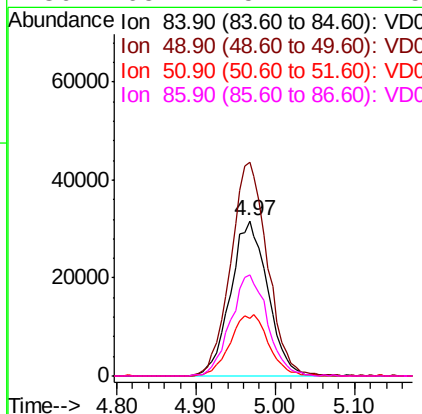
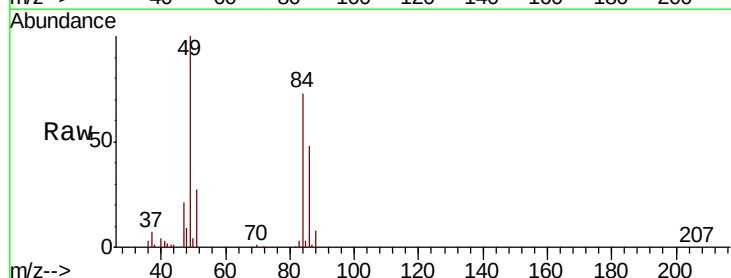
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

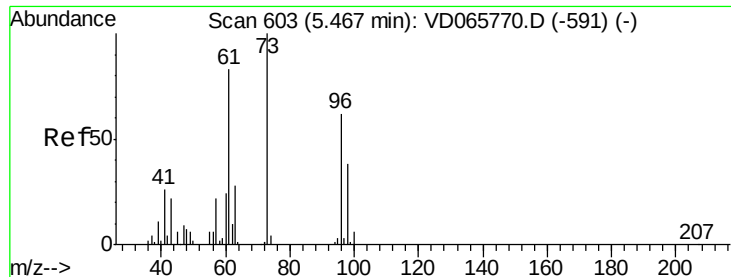
Tot Ion: 73 Resp: 195562  
Ion Ratio Lower Upper  
73 100  
57 21.6 16.2 24.2



#20  
Methylene Chloride  
Concen: 55.323 ug/l  
RT: 4.97 min Scan# 518  
Delta R.T. 0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion: 84 Resp: 102741  
Ion Ratio Lower Upper  
84 100  
49 137.5 103.4 155.0  
51 36.8 31.4 47.2  
86 65.4 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 46.488 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

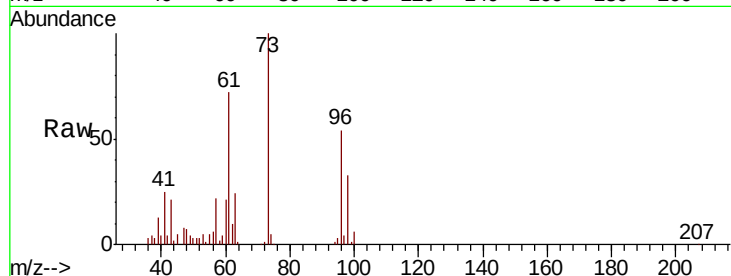
Tot Ion: 96 Resp: 93591

Ion Ratio Lower Upper

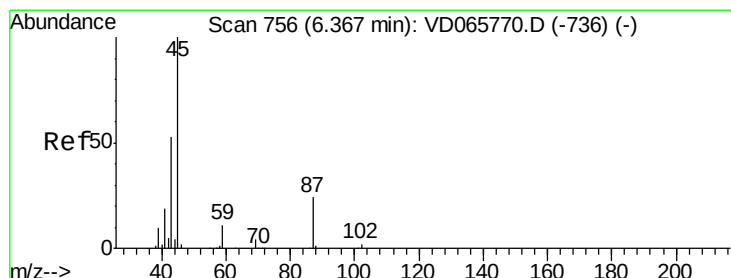
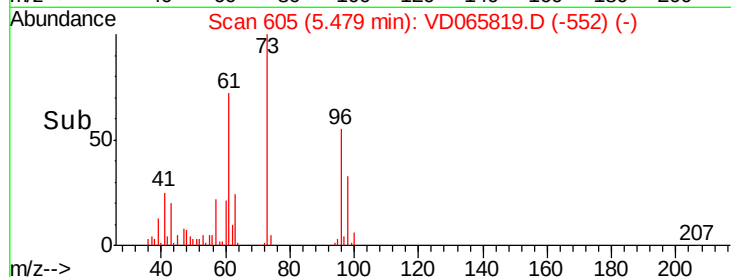
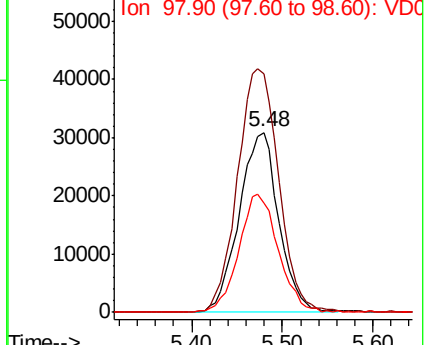
96 100

61 132.7 107.7 161.5

98 61.0 49.3 73.9



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



#22

Diisopropyl ether

Concen: 53.989 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Tgt Ion: 45 Resp: 309943

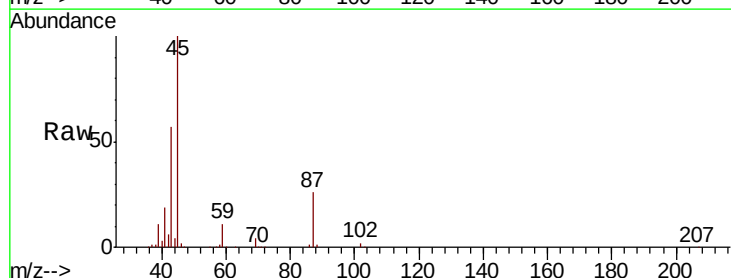
Ion Ratio Lower Upper

45 100

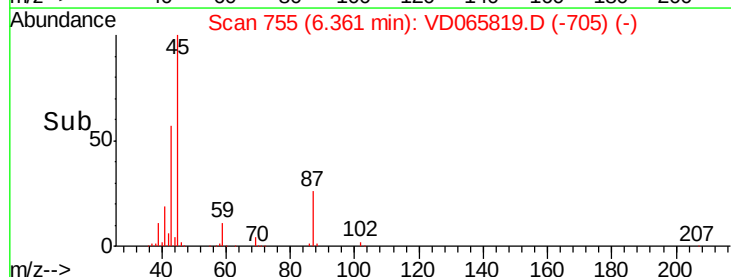
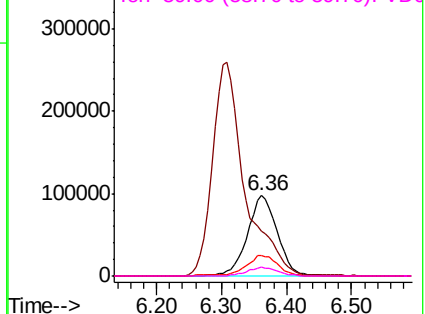
43 55.5 43.4 65.0

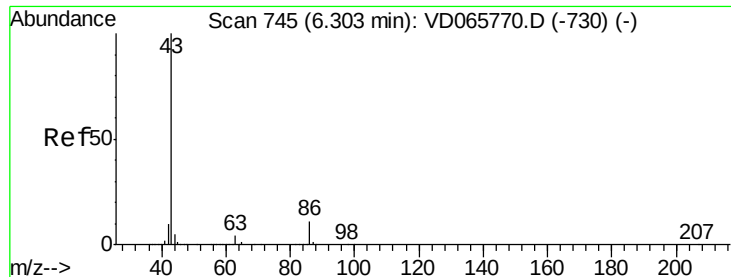
87 25.7 20.2 30.4

59 11.2 9.4 14.0



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





#23

Vinyl Acetate

Concen: 274.646 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

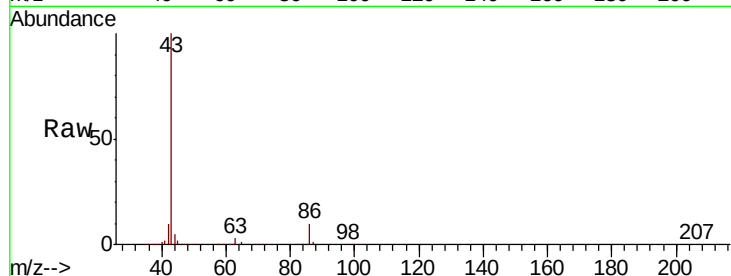
VSTDCCC050EC

Tot Ion: 43 Resp: 890338

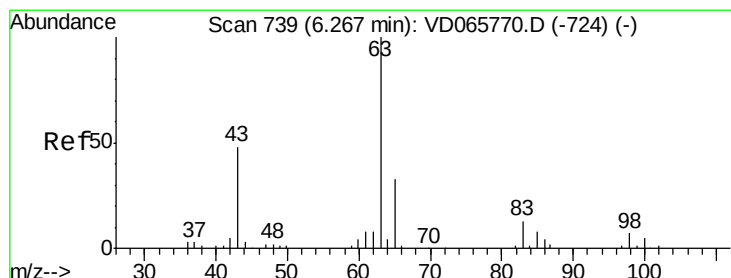
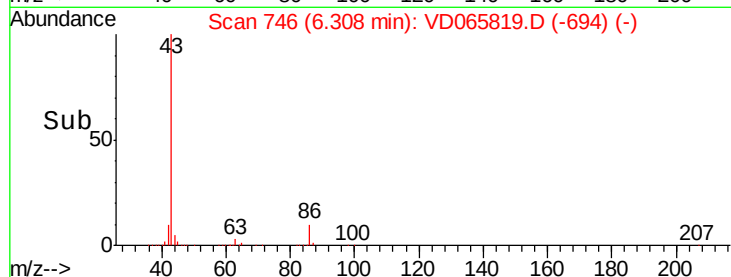
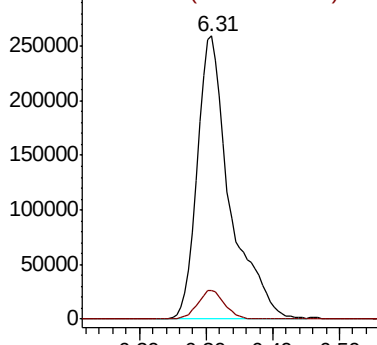
Ion Ratio Lower Upper

43 100

86 10.2 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC  
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.778 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

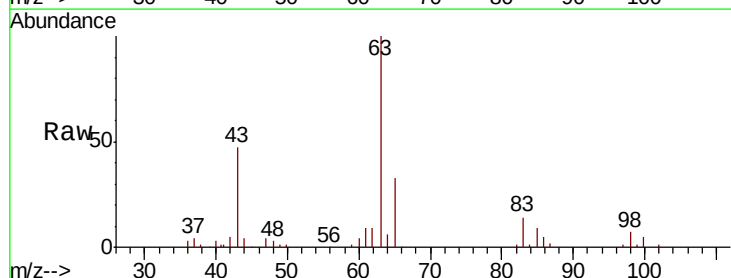
Tgt Ion: 63 Resp: 170620

Ion Ratio Lower Upper

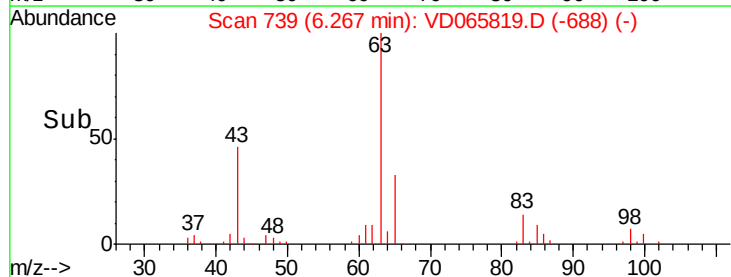
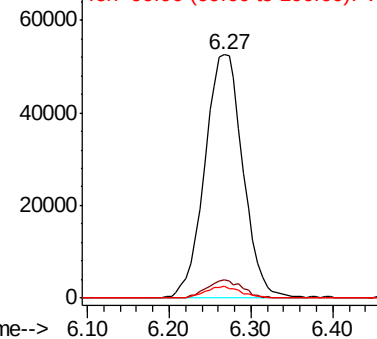
63 100

98 7.3 3.5 10.5

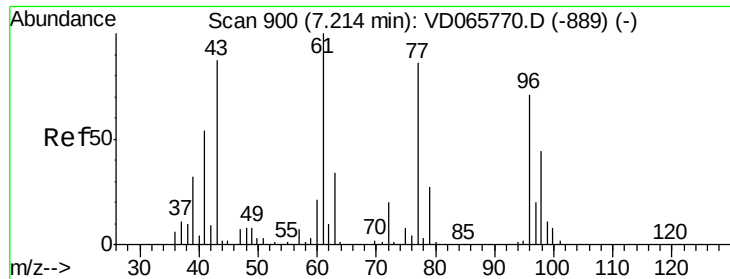
100 5.1 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VDC  
Ion 97.90 (97.60 to 98.60): VDC  
Ion 99.90 (99.60 to 100.60): VDC



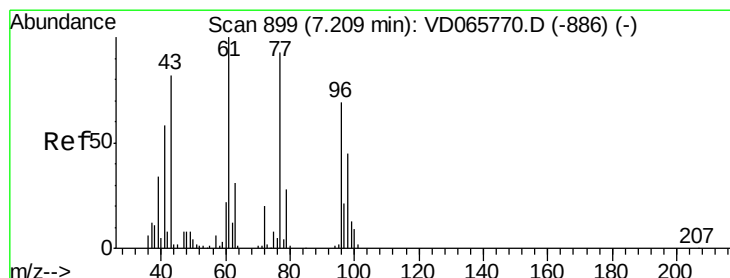
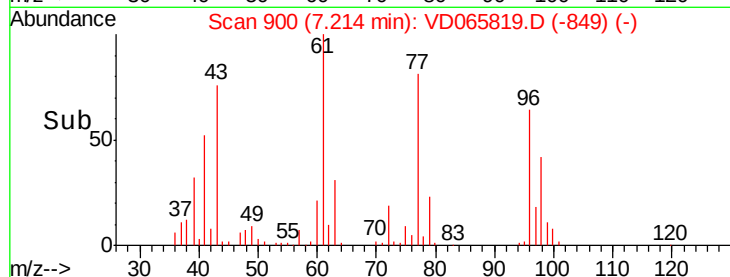
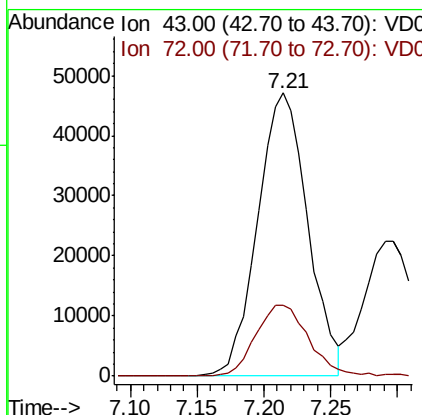
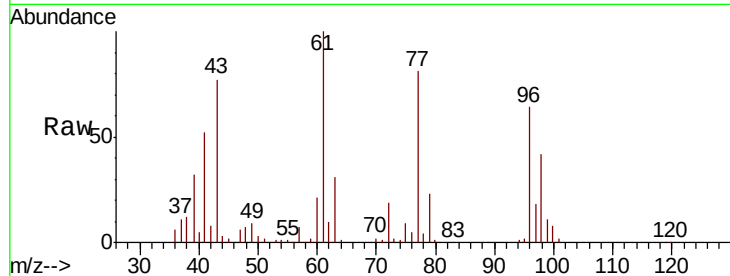




#25  
2-Butanone  
Concen: 251.460 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

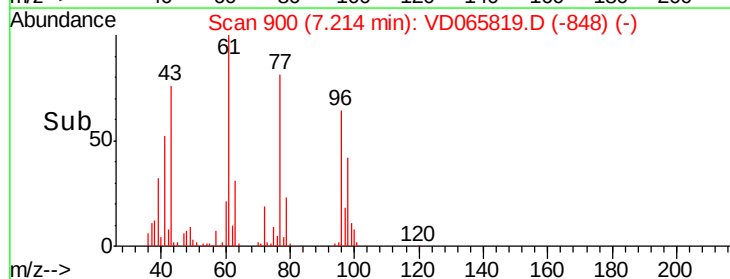
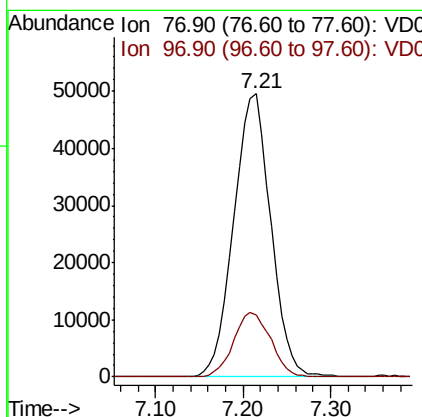
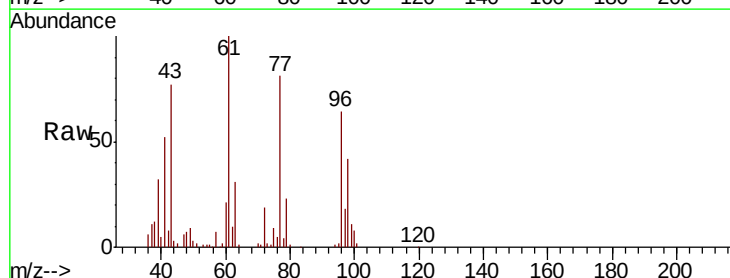
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

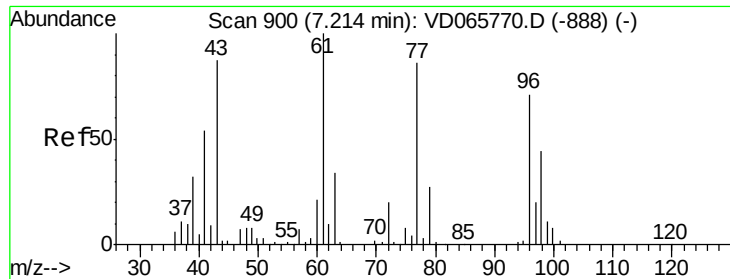
Tot Ion: 43 Resp: 122490  
Ion Ratio Lower Upper  
43 100  
72 25.1 18.5 27.7



#26  
2,2-Dichloropropane  
Concen: 46.002 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. 0.01 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion: 77 Resp: 142675  
Ion Ratio Lower Upper  
77 100  
97 22.9 10.9 32.7



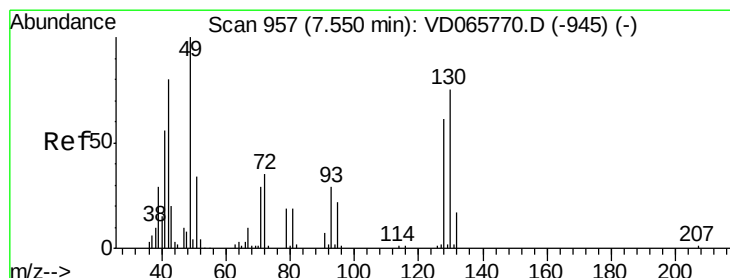
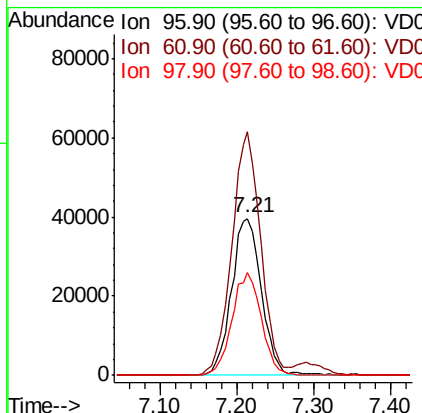
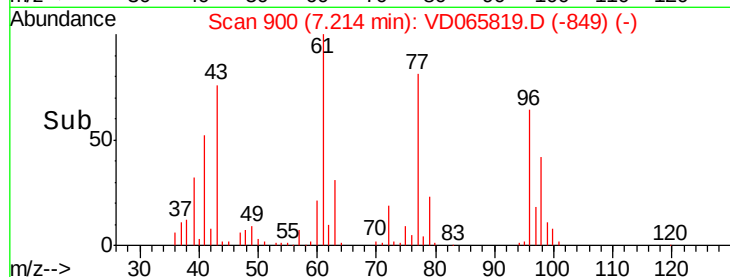
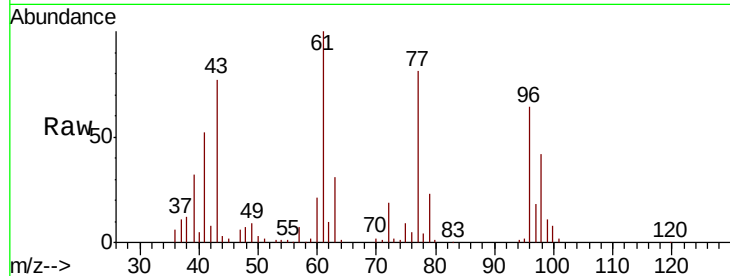


#27

cis-1,2-Dichloroethene  
Concen: 49.872 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

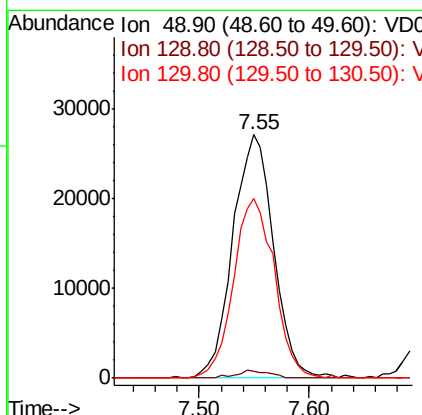
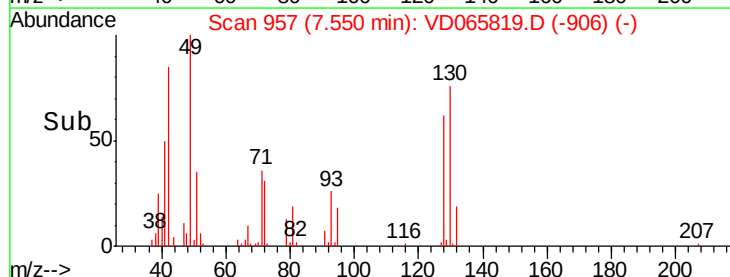
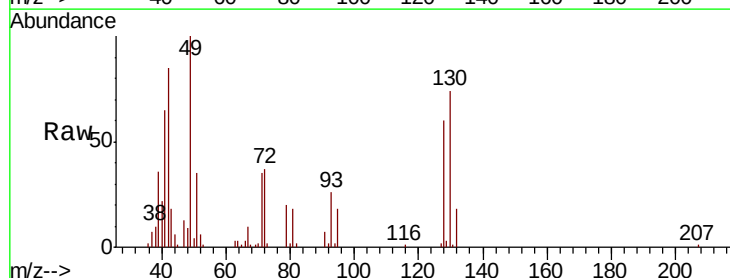
Tot Ion: 96 Resp: 108003  
Ion Ratio Lower Upper  
96 100  
61 149.1 0.0 291.2  
98 63.6 0.0 128.8

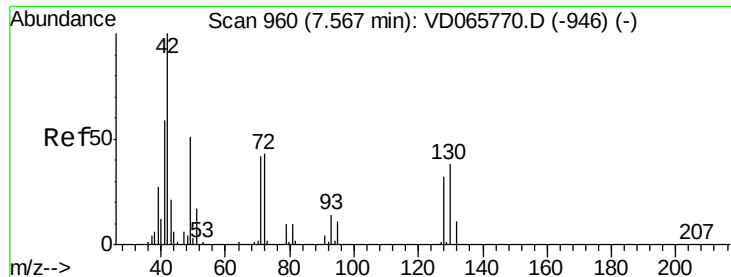


#28

Bromochloromethane  
Concen: 51.896 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion: 49 Resp: 70109  
Ion Ratio Lower Upper  
49 100  
129 2.6 0.0 4.6  
130 73.7 59.5 89.3





#29

Tetrahydrofuran

Concen: 269.201 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

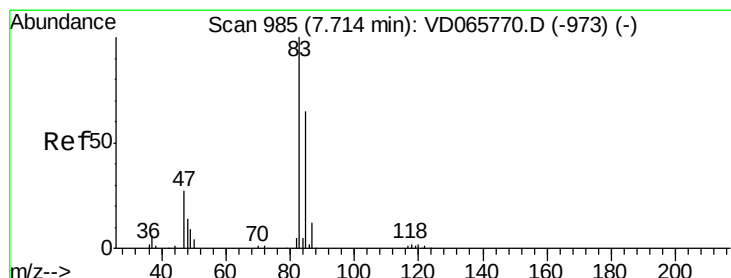
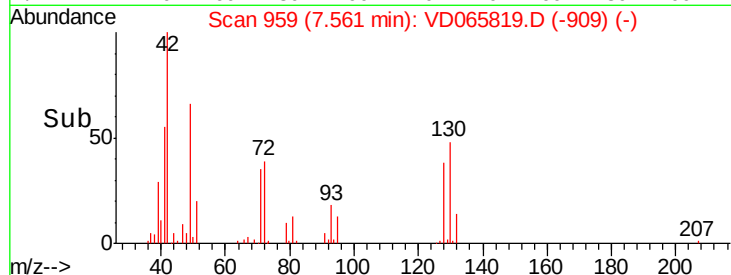
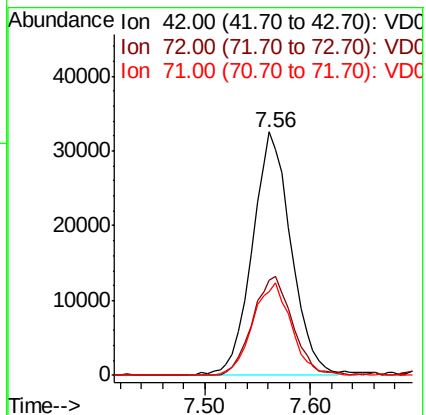
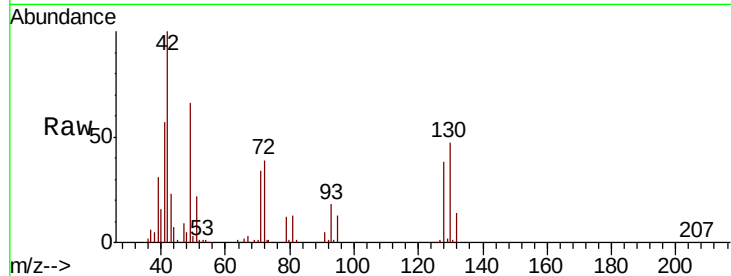
Tot Ion: 42 Resp: 82878

Ion Ratio Lower Upper

42 100

72 41.8 34.9 52.3

71 37.9 31.2 46.8



#30

Chloroform

Concen: 50.957 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD065819.D

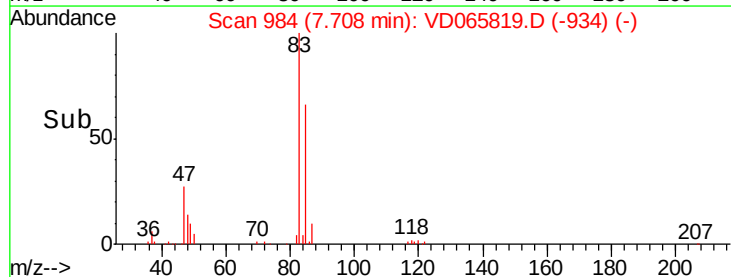
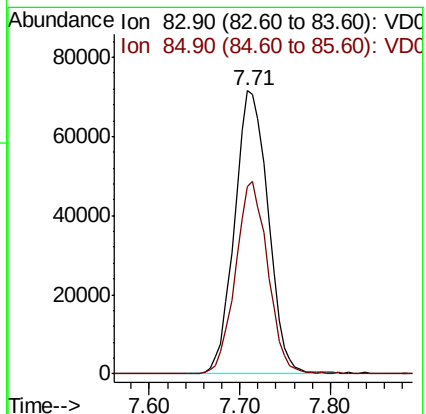
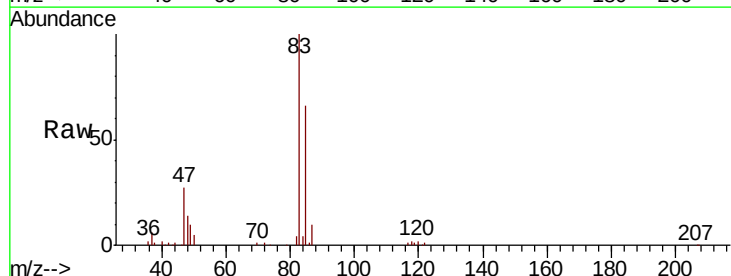
Acq: 18 Jun 2020 20:09

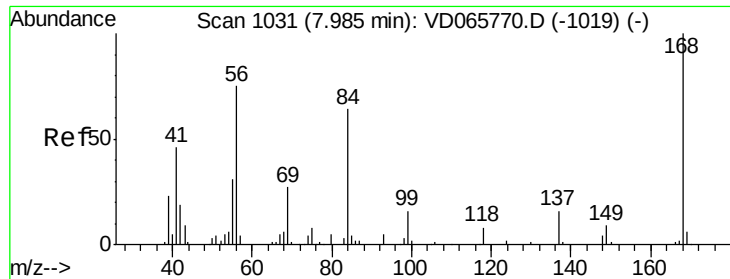
Tgt Ion: 83 Resp: 184748

Ion Ratio Lower Upper

83 100

85 66.1 51.9 77.9

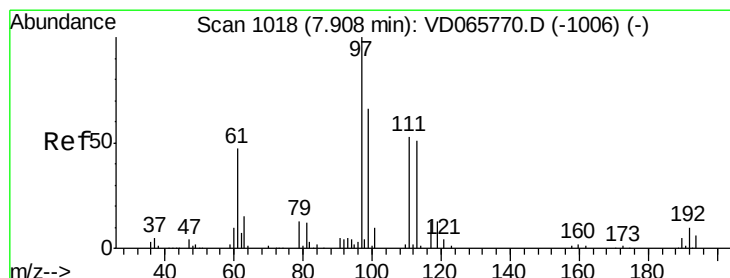
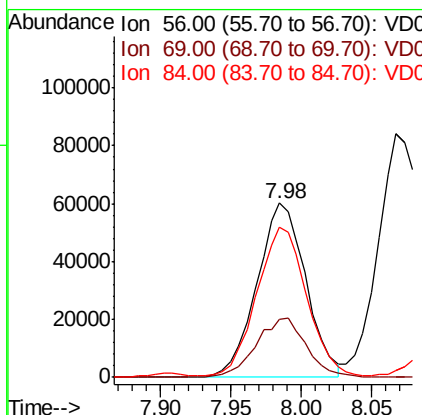
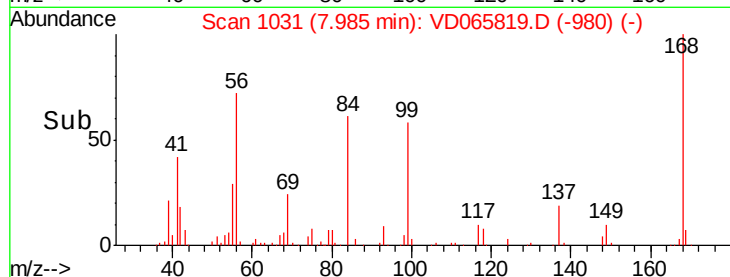
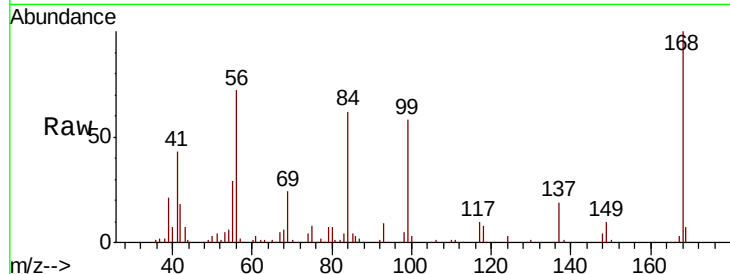




#31  
Cyclohexane  
Concen: 43.382 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

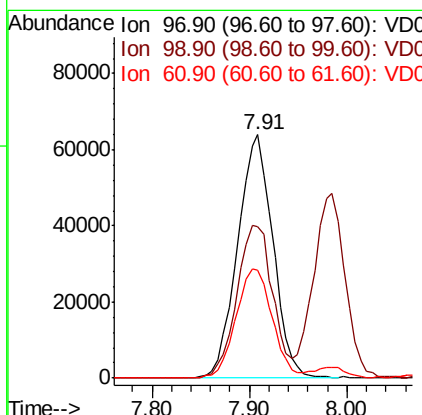
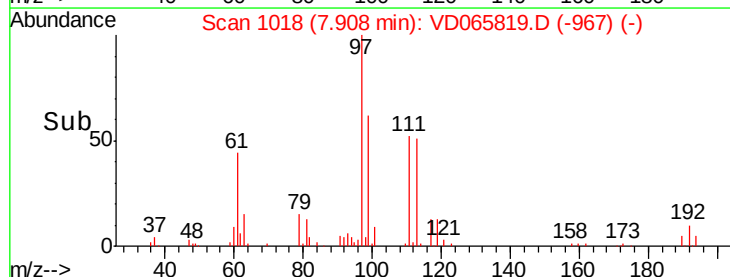
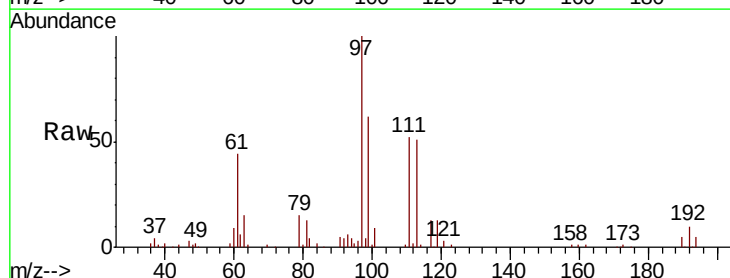
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

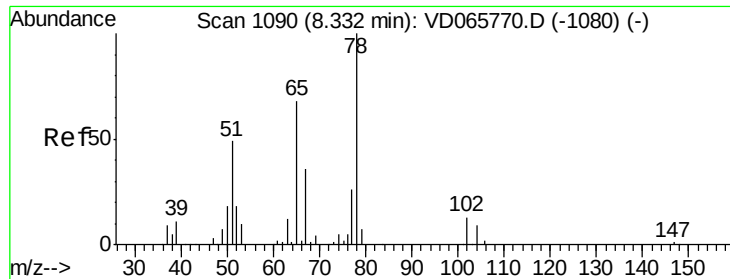
Tot Ion: 56 Resp: 145472  
Ion Ratio Lower Upper  
56 100  
69 33.3 28.5 42.7  
84 84.9 68.4 102.6



#32  
1,1,1-Trichloroethane  
Concen: 48.259 ug/l  
RT: 7.91 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion: 97 Resp: 160884  
Ion Ratio Lower Upper  
97 100  
99 64.0 49.2 73.8  
61 46.2 36.0 54.0

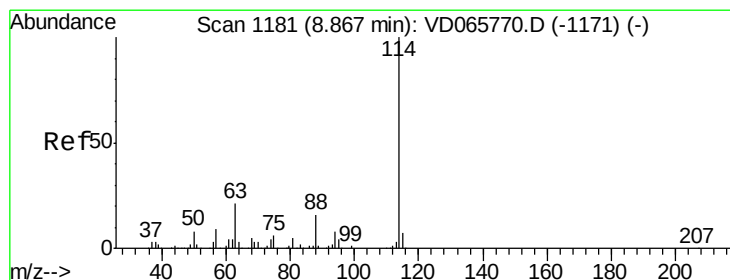
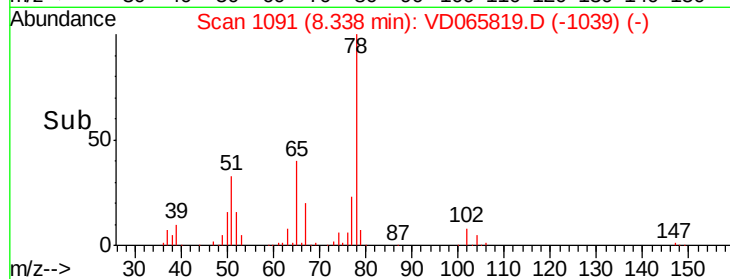
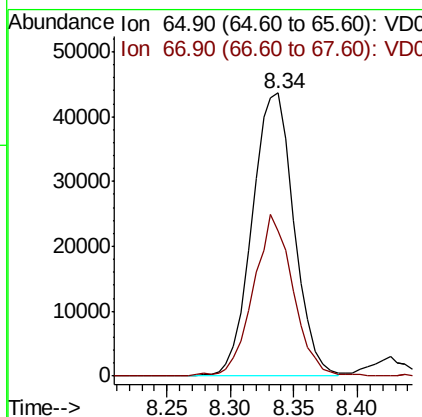
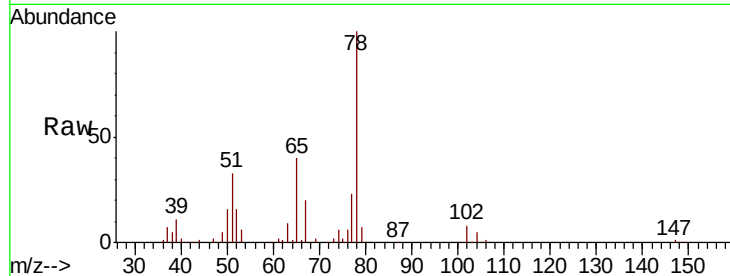




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.656 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. 0.01 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

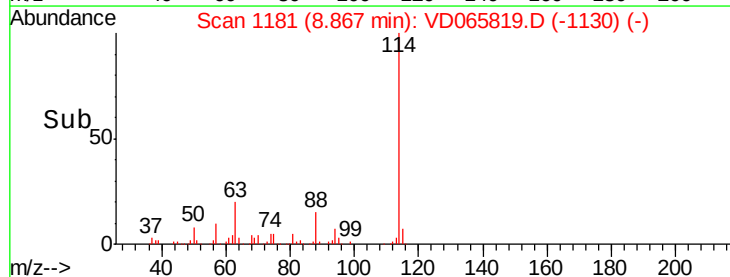
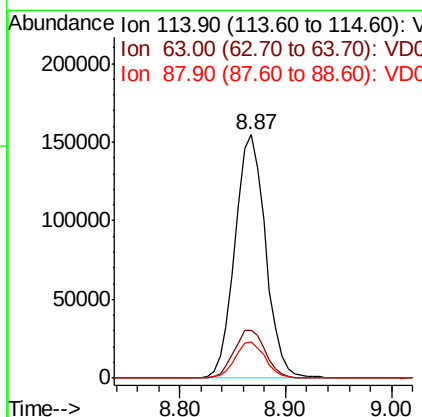
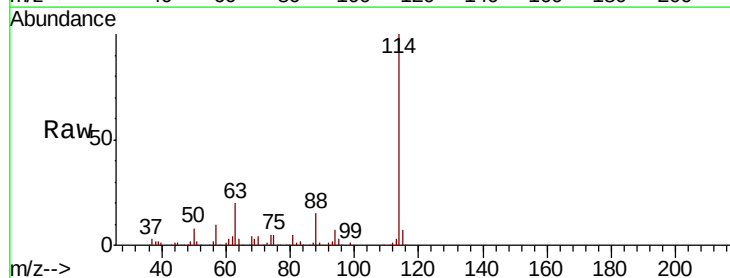
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

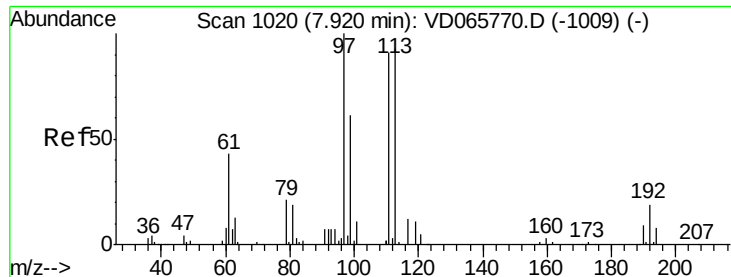
Tot Ion: 65 Resp: 100328  
 Ion Ratio Lower Upper  
 65 100  
 67 54.1 0.0 103.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

Tgt Ion: 114 Resp: 310048  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 41.8  
 88 15.1 0.0 32.0

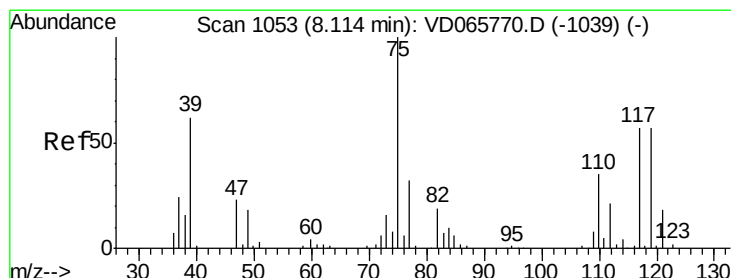
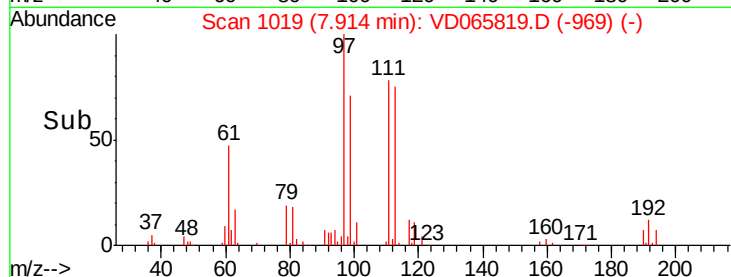
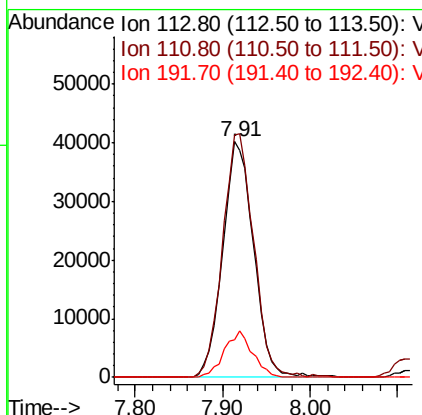
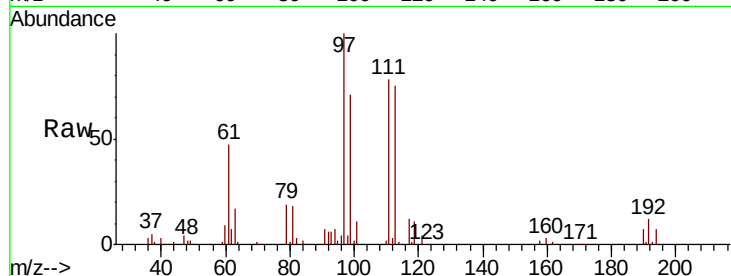




#35  
 Dibromofluoromethane  
 Concen: 49.550 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

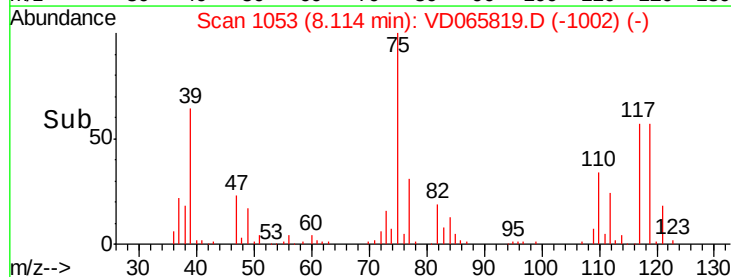
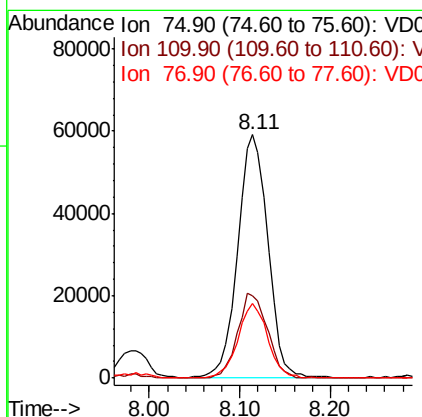
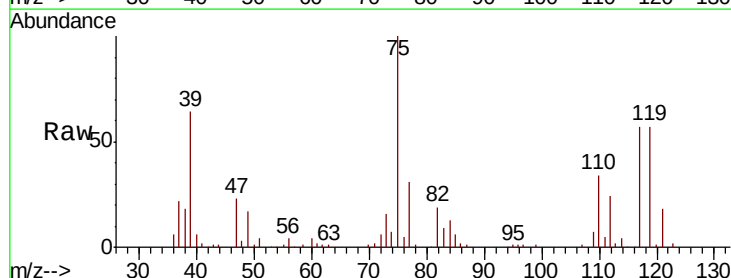
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

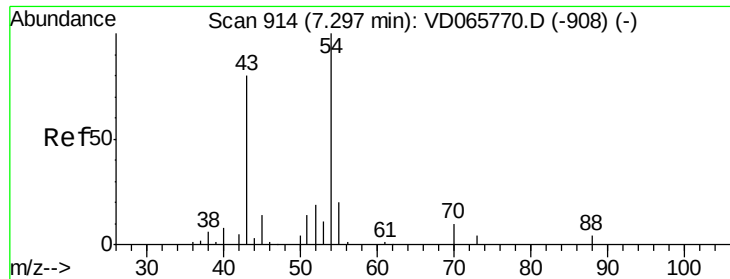
Tot Ion:113 Resp: 97041  
 Ion Ratio Lower Upper  
 113 100  
 111 103.5 83.4 125.0  
 192 17.9 15.7 23.5



#36  
 1,1-Dichloropropene  
 Concen: 46.175 ug/l  
 RT: 8.11 min Scan# 1053  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

Tgt Ion: 75 Resp: 137142  
 Ion Ratio Lower Upper  
 75 100  
 110 34.4 17.6 52.8  
 77 30.2 25.1 37.7

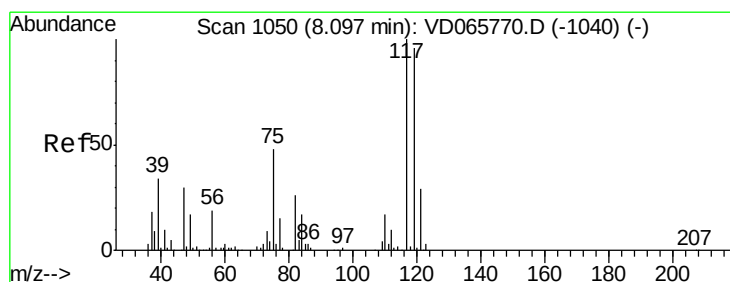
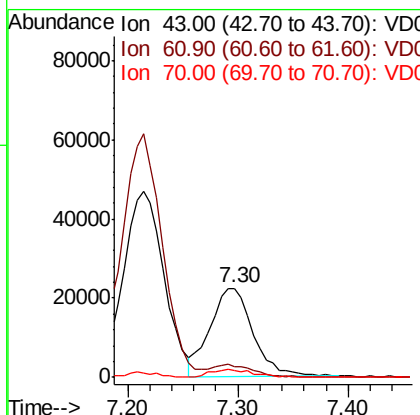
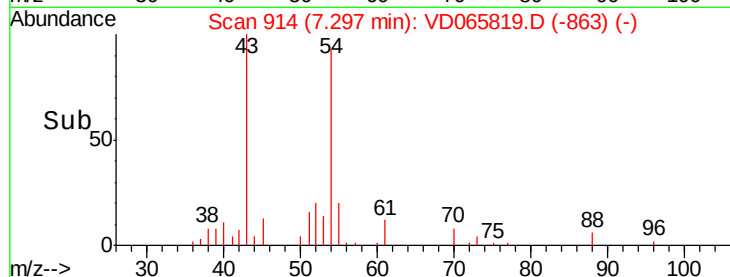
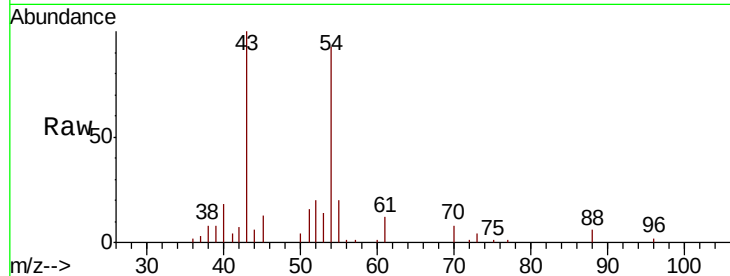




#37  
Ethyl Acetate  
Concen: 51.565 ug/l  
RT: 7.30 min Scan# 914  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

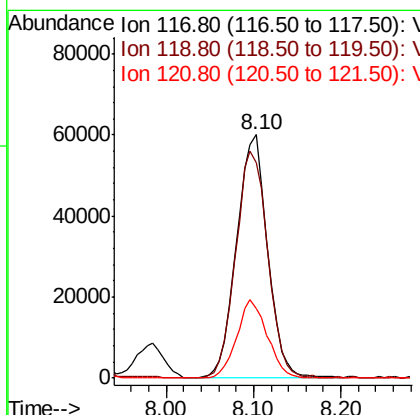
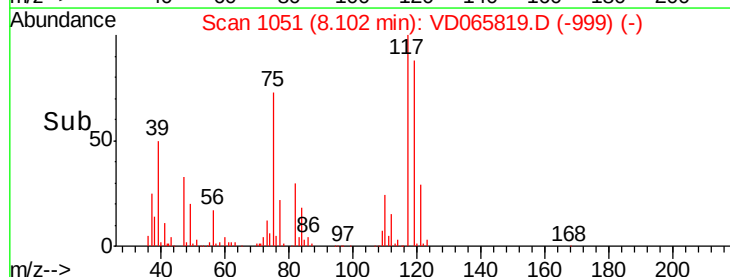
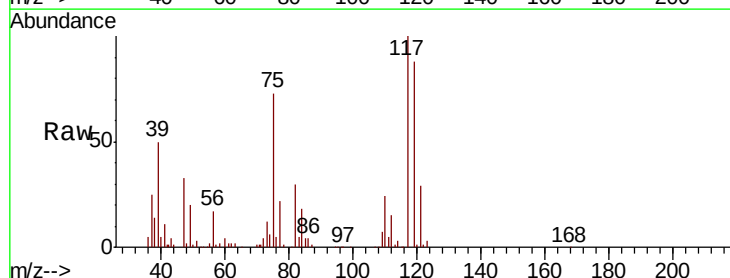
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

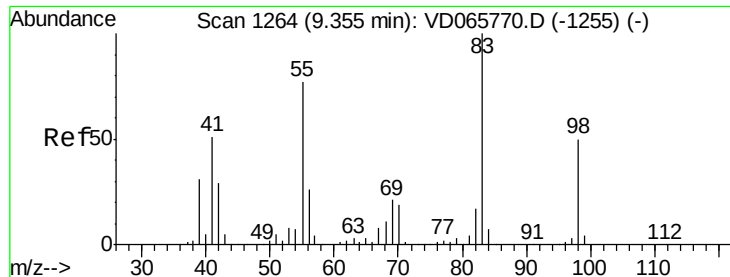
Tot Ion: 43 Resp: 60324  
Ion Ratio Lower Upper  
43 100  
61 13.0 10.6 15.8  
70 9.0 7.5 11.3



#38  
Carbon Tetrachloride  
Concen: 46.119 ug/l  
RT: 8.10 min Scan# 1051  
Delta R.T. 0.01 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion: 117 Resp: 144154  
Ion Ratio Lower Upper  
117 100  
119 88.4 76.8 115.2  
121 28.8 23.4 35.2

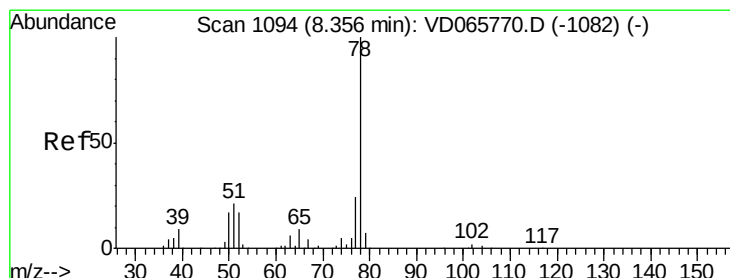
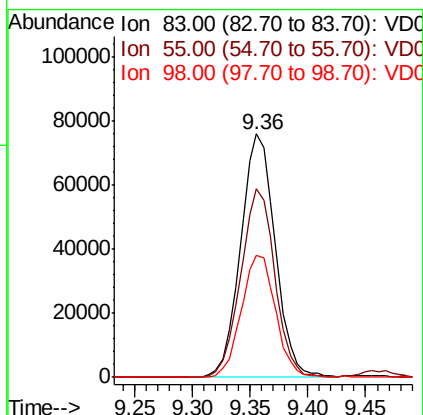
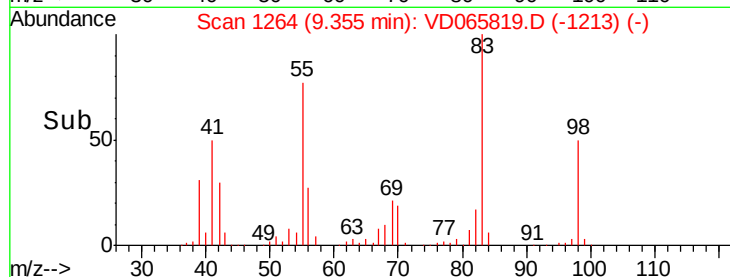
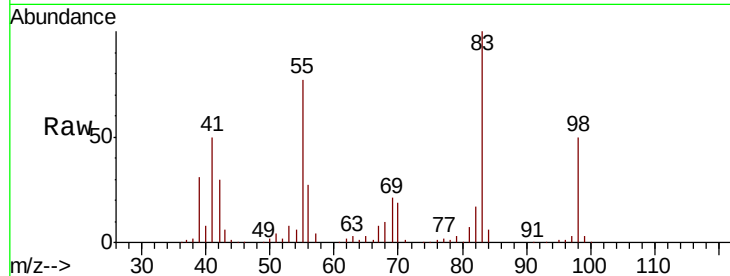




#39  
Methylvlcyclohexane  
Concen: 44.889 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

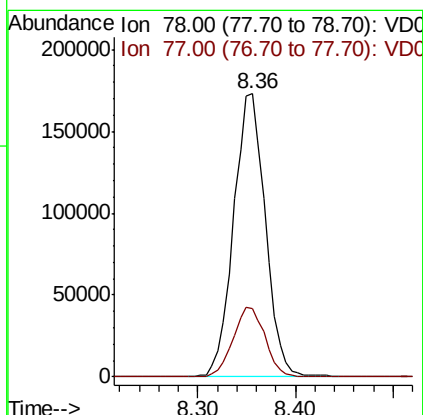
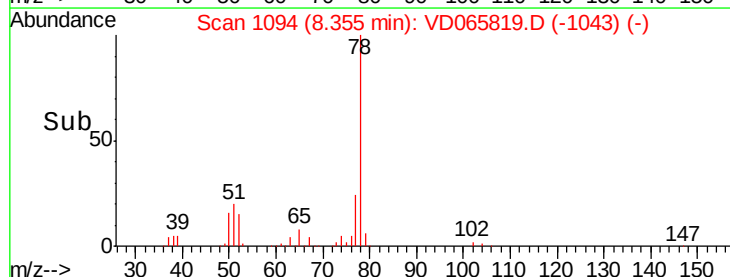
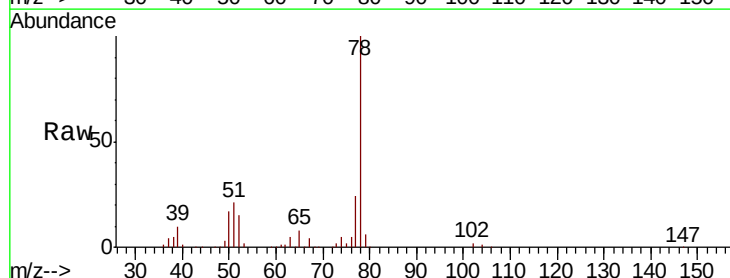
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 83 Resp: 157851  
Ion Ratio Lower Upper  
83 100  
55 77.4 61.6 92.4  
98 50.1 40.2 60.2

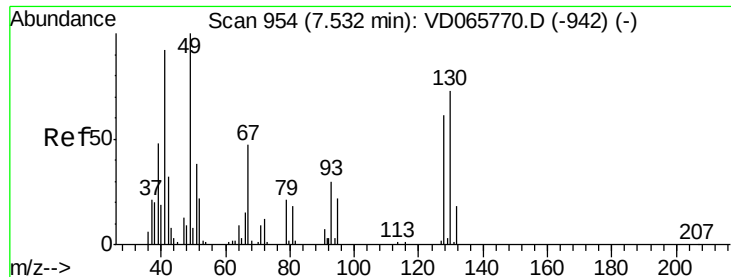


#40  
Benzene  
Concen: 48.437 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion: 78 Resp: 393289  
Ion Ratio Lower Upper  
78 100  
77 24.2 19.2 28.8



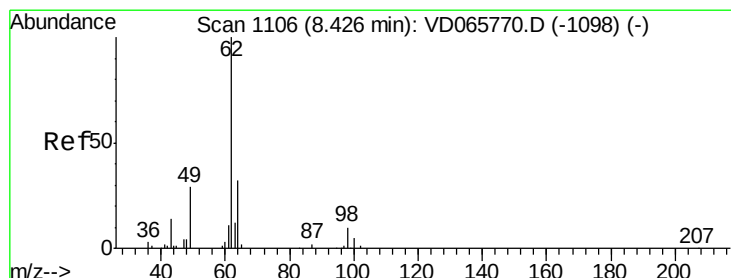
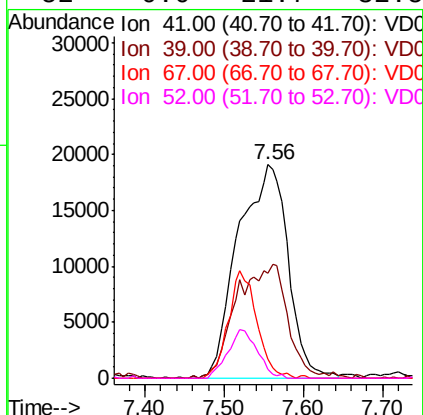
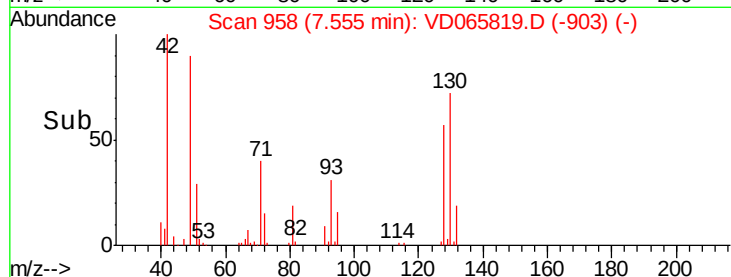
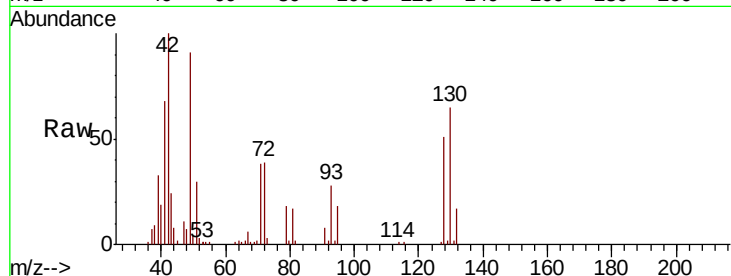




#41  
Methacrylonitrile  
Concen: 119.721 ug/l  
RT: 7.56 min Scan# 958  
Delta R.T. 0.02 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

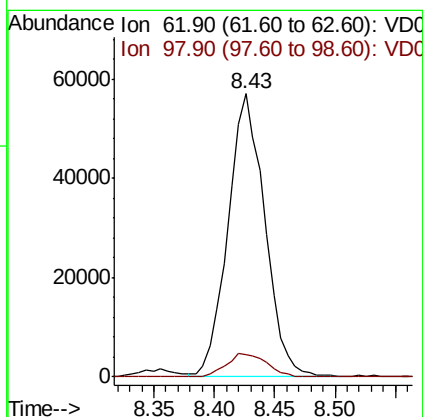
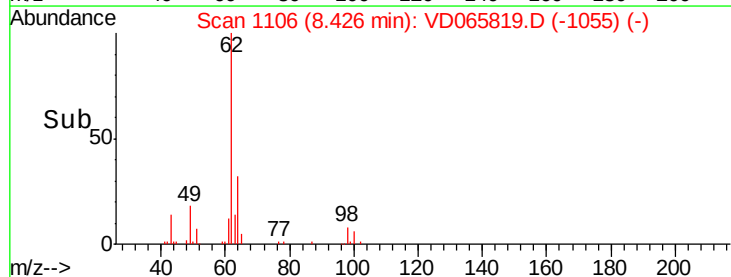
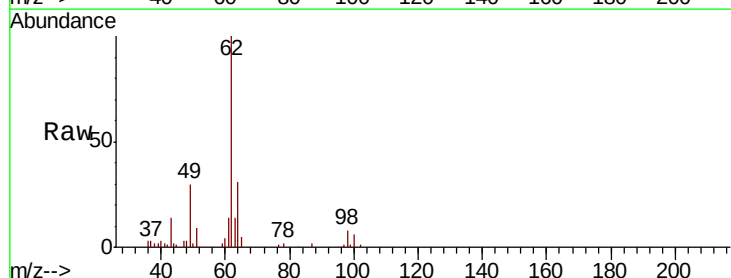
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

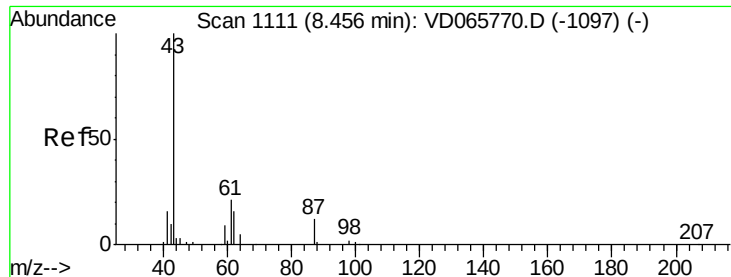
Tot Ion: 41 Resp: 83396  
Ion Ratio Lower Upper  
41 100  
39 54.4 38.3 57.5  
67 0.0 49.8 74.6#  
52 0.0 21.7 32.5#



#42  
1,2-Dichloroethane  
Concen: 49.313 ug/l  
RT: 8.43 min Scan# 1106  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion: 62 Resp: 120811  
Ion Ratio Lower Upper  
62 100  
98 9.0 0.0 18.6





#43

Isopropyl Acetate

Concen: 50.225 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

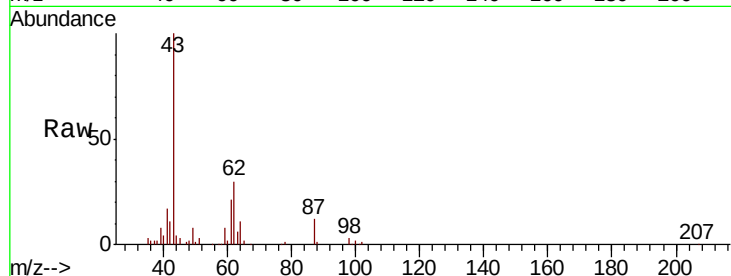
Tot Ion: 43 Resp: 116838

Ion Ratio Lower Upper

43 100

61 29.7 24.2 36.4

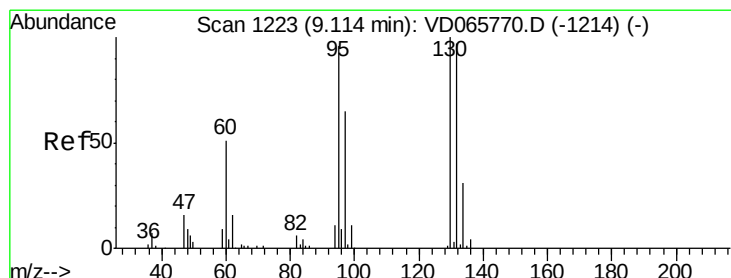
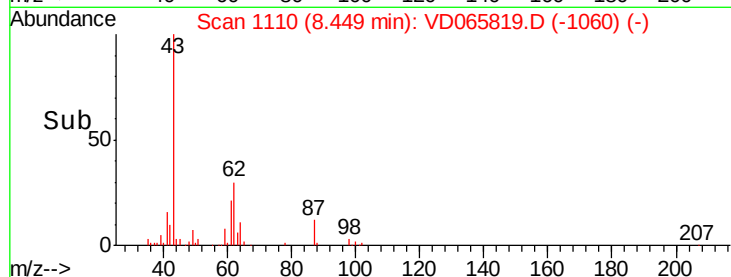
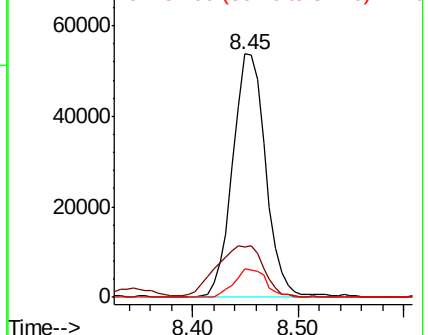
87 11.4 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 45.203 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065819.D

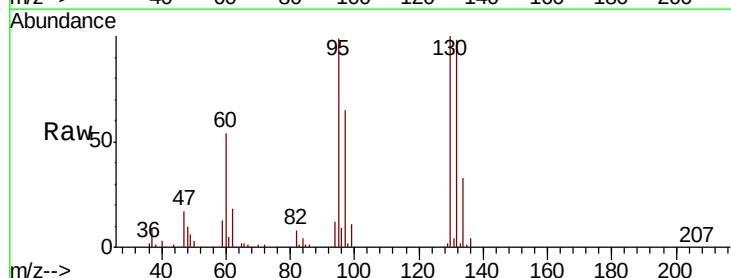
Acq: 18 Jun 2020 20:09

Tgt Ion: 130 Resp: 102139

Ion Ratio Lower Upper

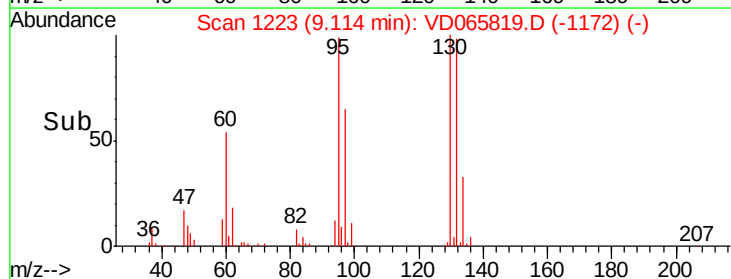
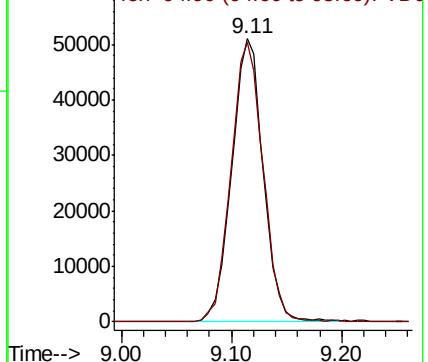
130 100

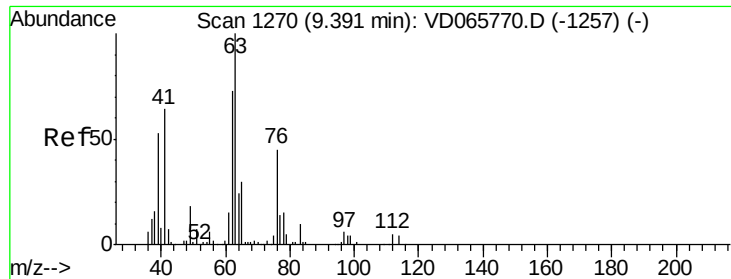
95 98.9 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

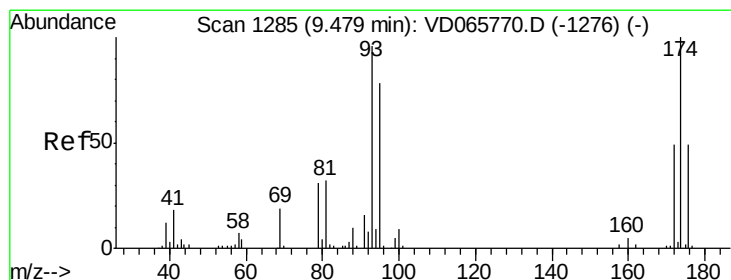
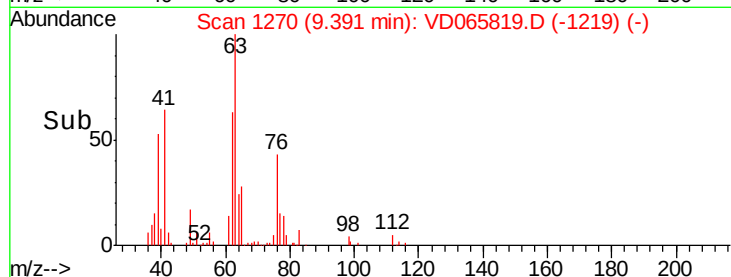
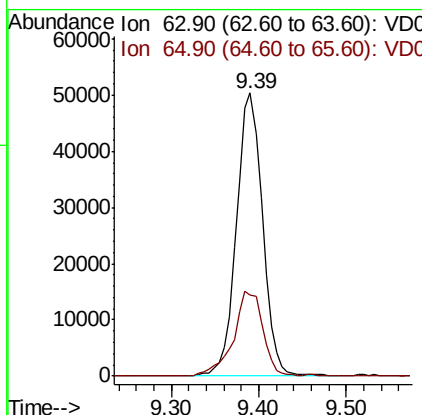
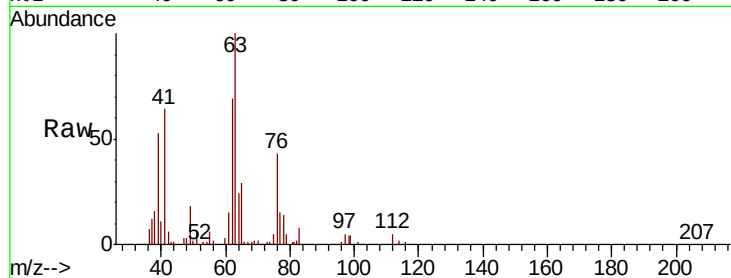




#45  
 1,2-Dichloropropane  
 Concen: 49.662 ug/l  
 RT: 9.39 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

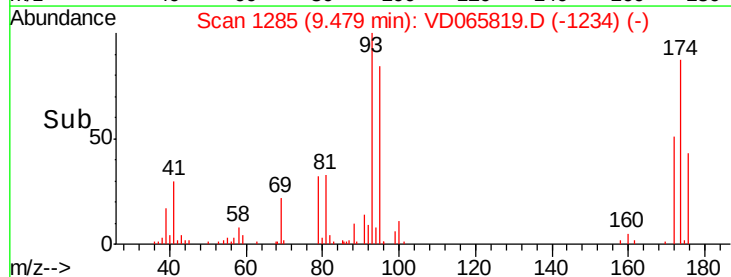
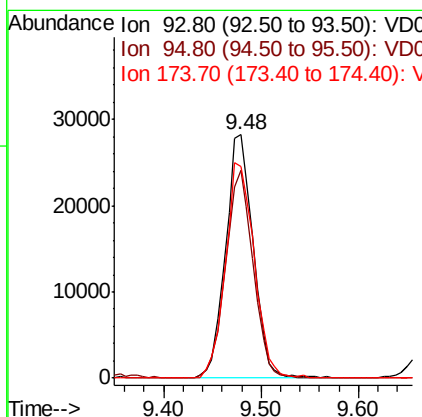
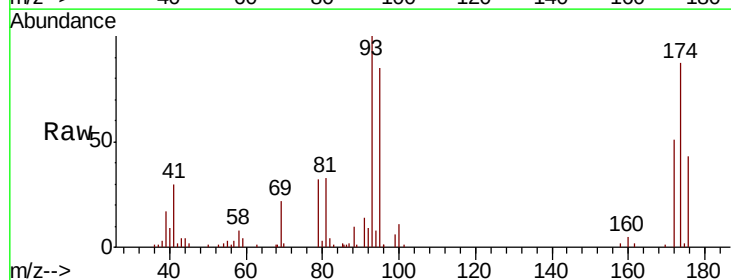
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

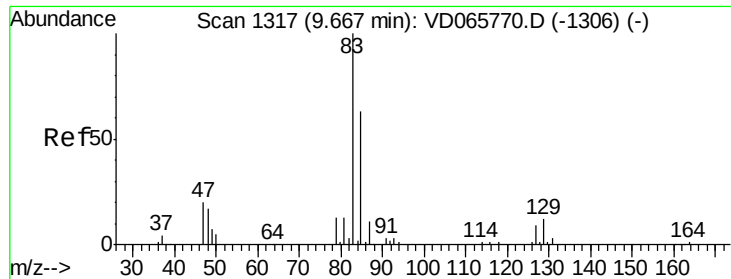
Tot Ion: 63 Resp: 101318  
 Ion Ratio Lower Upper  
 63 100  
 65 28.8 24.2 36.2



#46  
 Dibromomethane  
 Concen: 50.151 ug/l  
 RT: 9.48 min Scan# 1285  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

Tgt Ion: 93 Resp: 55491  
 Ion Ratio Lower Upper  
 93 100  
 95 84.7 65.8 98.6  
 174 92.0 80.9 121.3

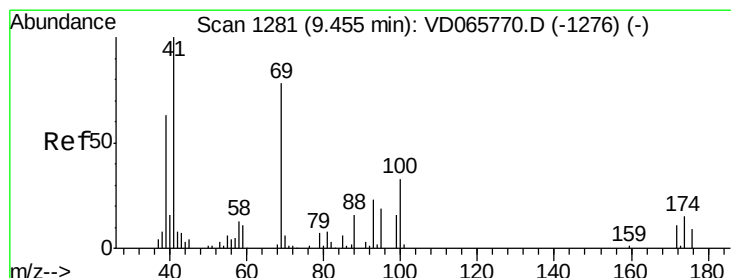
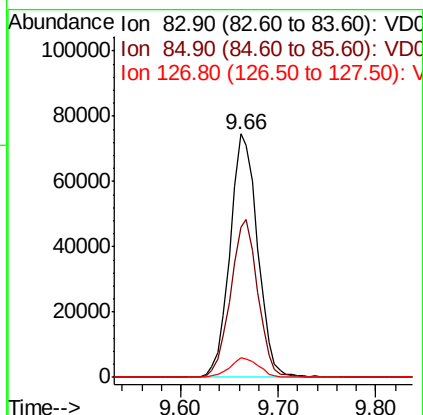
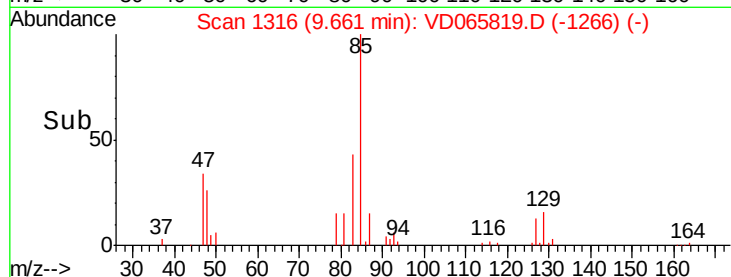
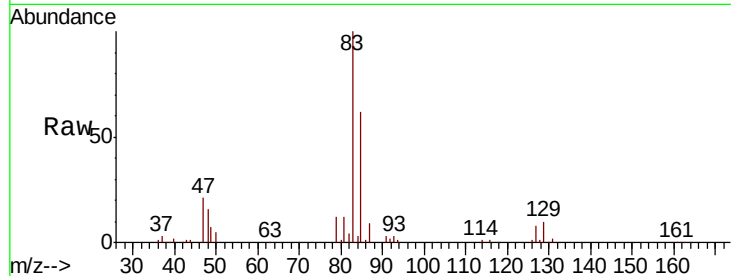




#47  
Bromodichloromethane  
Concen: 49.350 ug/l  
RT: 9.66 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

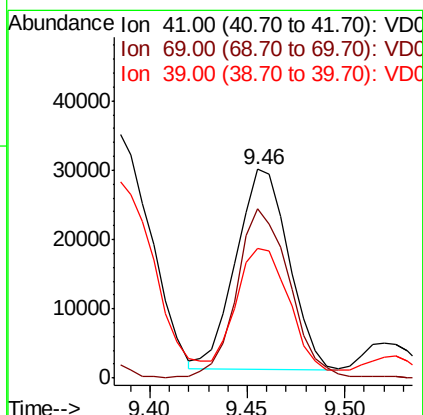
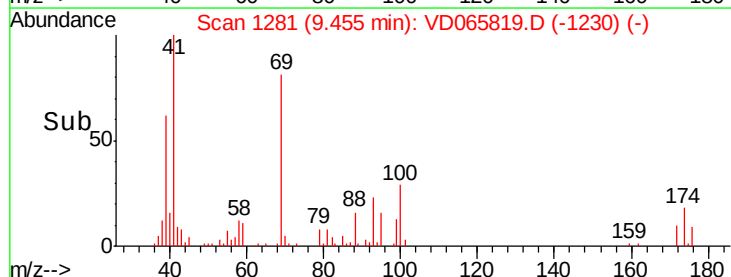
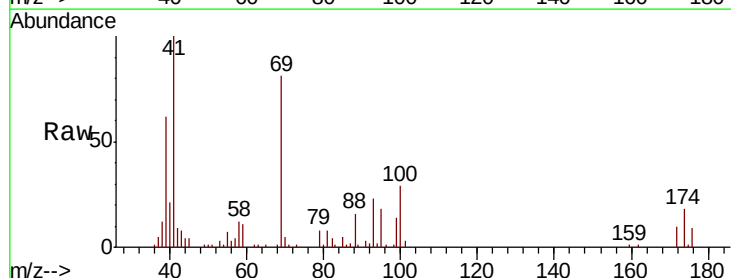
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

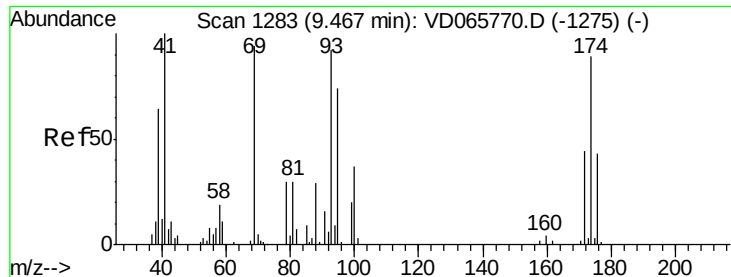
Tot Ion: 83 Resp: 146324  
Ion Ratio Lower Upper  
83 100  
85 61.6 50.7 76.1  
127 8.3 7.1 10.7



#48  
Methyl methacrylate  
Concen: 48.004 ug/l  
RT: 9.46 min Scan# 1281  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion: 41 Resp: 54054  
Ion Ratio Lower Upper  
41 100  
69 85.4 60.9 91.3  
39 67.5 48.1 72.1





#49

1,4-Dioxane

Concen: 963.898 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

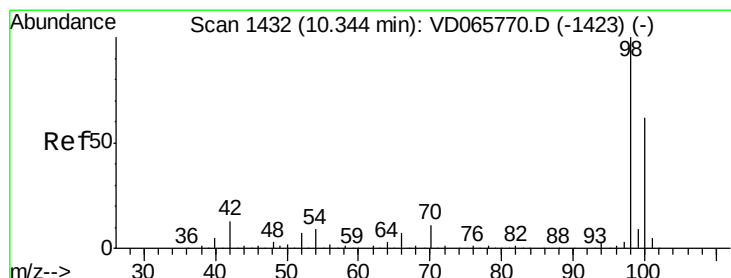
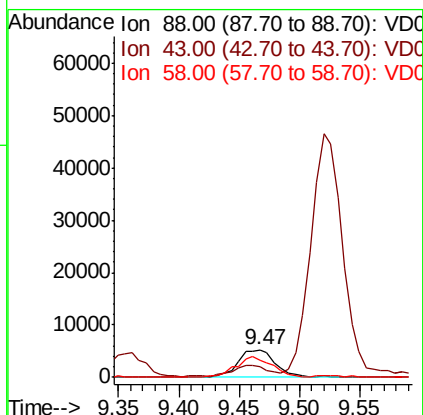
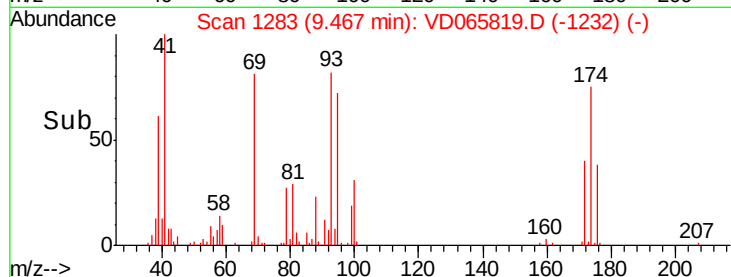
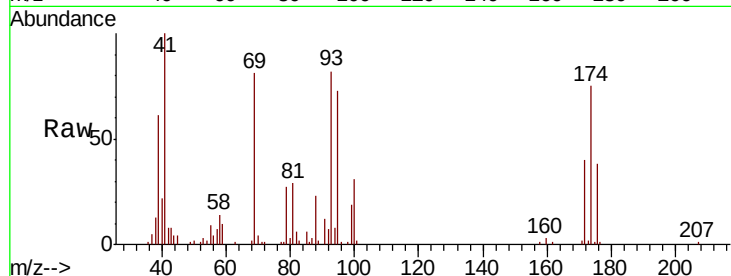
Tot Ion: 88 Resp: 11352

Ion Ratio Lower Upper

88 100

43 43.1 32.2 48.4

58 72.0 54.9 82.3



#50

Toluene-d8

Concen: 51.432 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065819.D

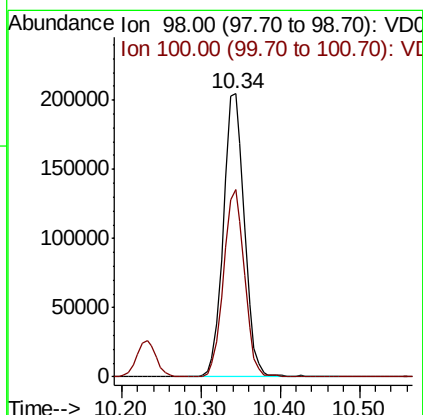
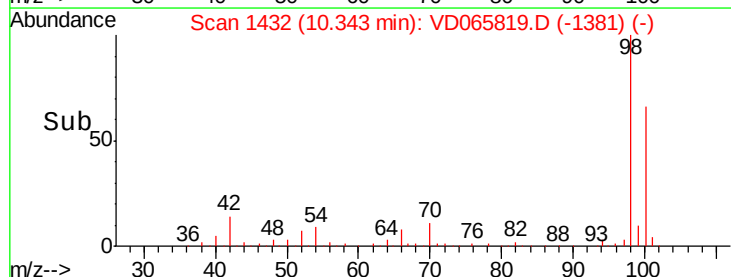
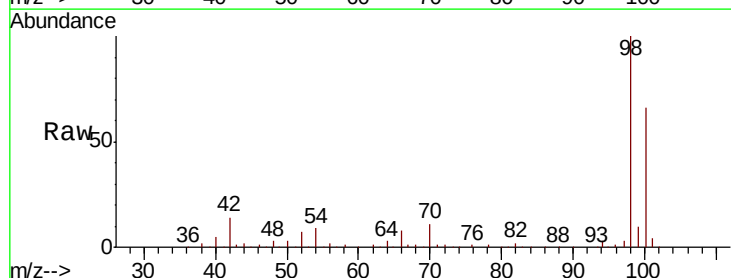
Acq: 18 Jun 2020 20:09

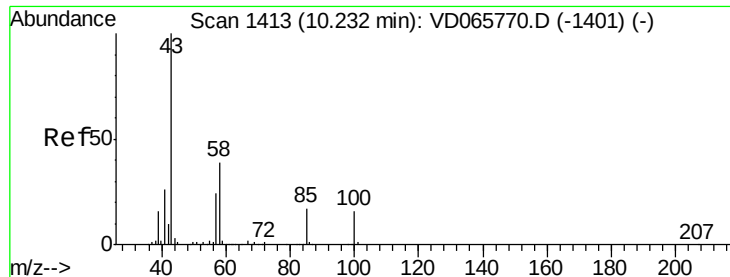
Tgt Ion: 98 Resp: 375600

Ion Ratio Lower Upper

98 100

100 66.0 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 264.002 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

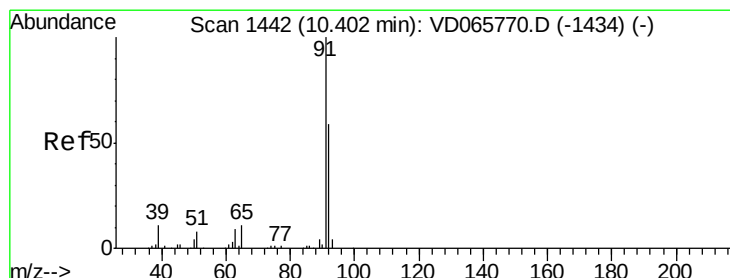
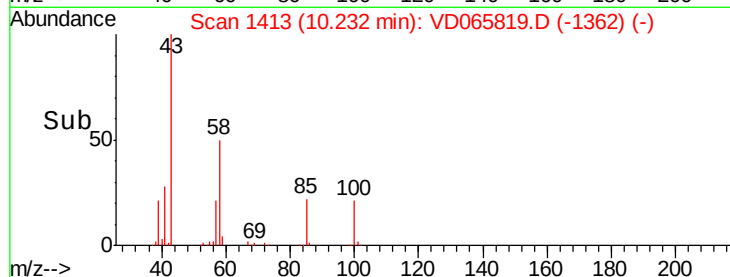
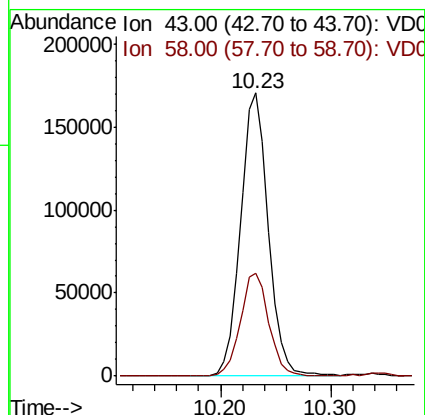
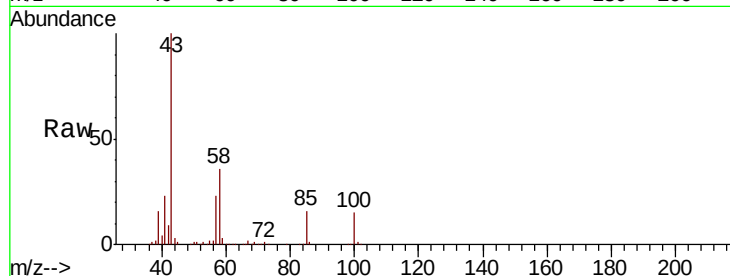
VSTDCCC050EC

Tot Ion: 43 Resp: 300938

Ion Ratio Lower Upper

43 100

58 37.0 30.7 46.1



#52

Toluene

Concen: 49.170 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065819.D

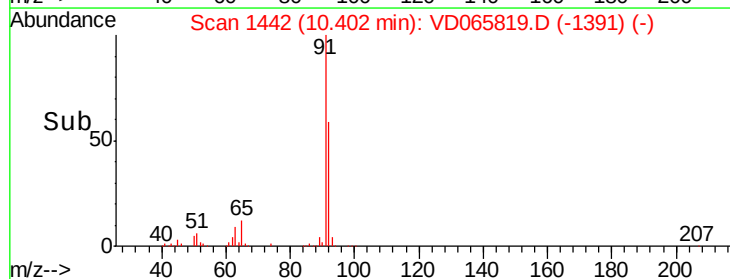
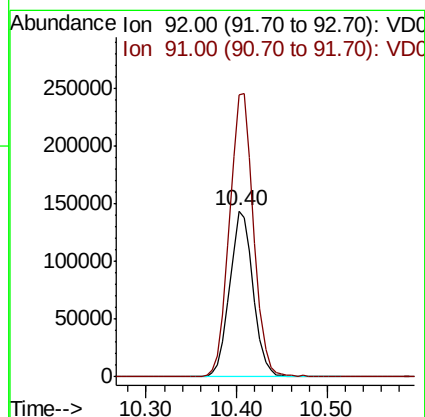
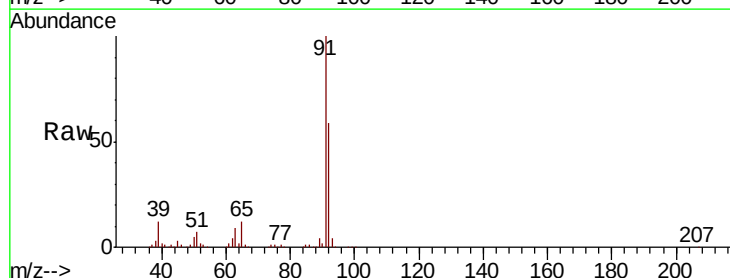
Acq: 18 Jun 2020 20:09

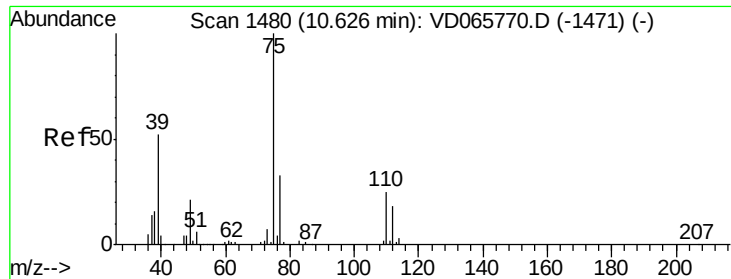
Tgt Ion: 92 Resp: 259408

Ion Ratio Lower Upper

92 100

91 175.1 137.8 206.8

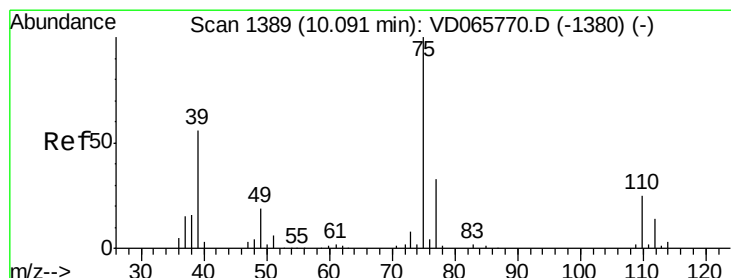
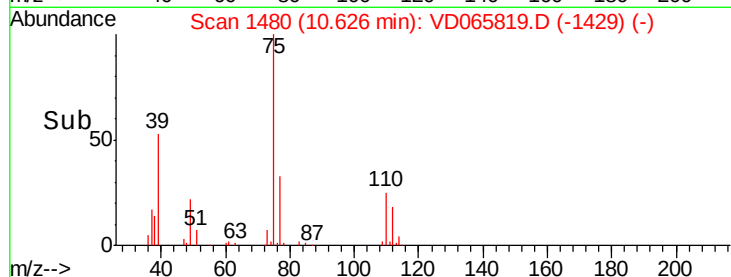
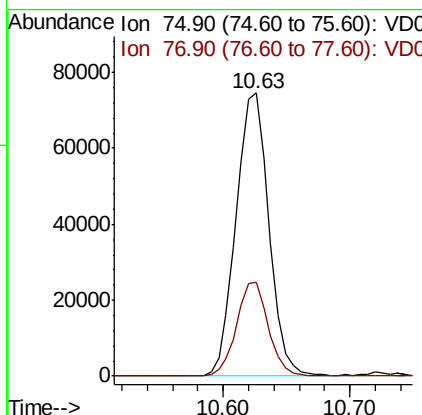
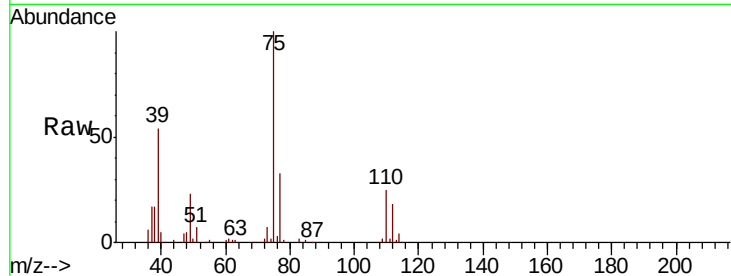




#53  
t-1,3-Dichloropropene  
Concen: 50.080 ug/l  
RT: 10.63 min Scan# 1480  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

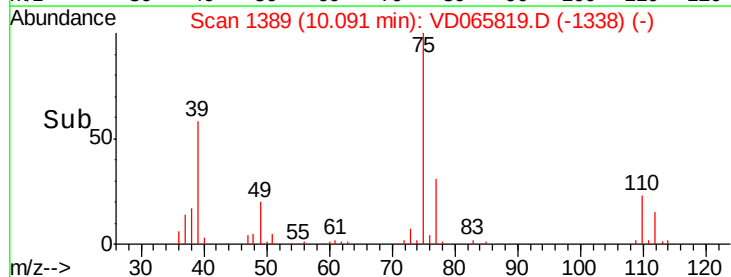
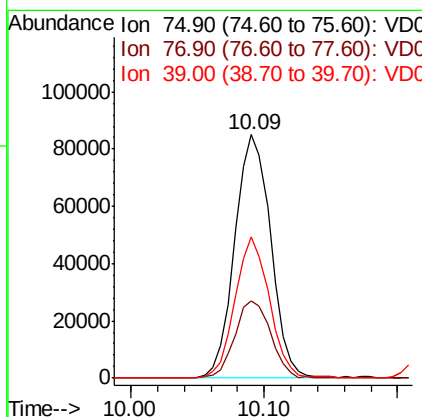
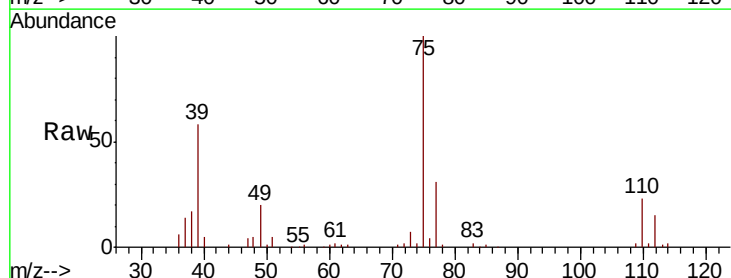
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

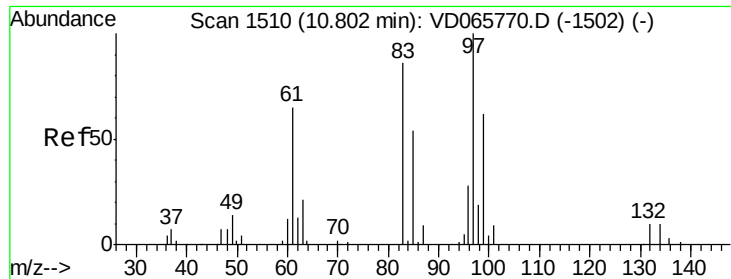
Tot Ion: 75 Resp: 134463  
Ion Ratio Lower Upper  
75 100  
77 33.3 26.4 39.6



#54  
cis-1,3-Dichloropropene  
Concen: 50.166 ug/l  
RT: 10.09 min Scan# 1389  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion: 75 Resp: 159077  
Ion Ratio Lower Upper  
75 100  
77 31.5 26.0 39.0  
39 58.2 45.0 67.6

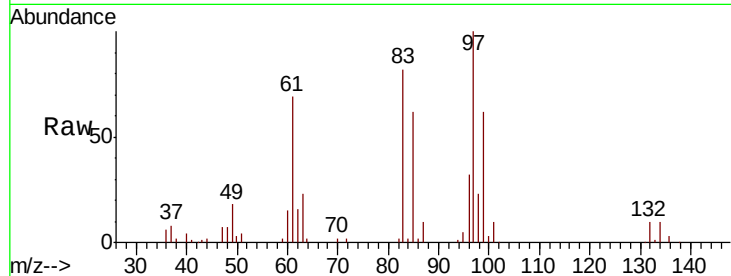




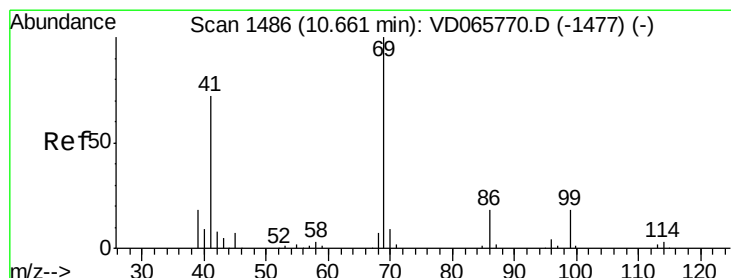
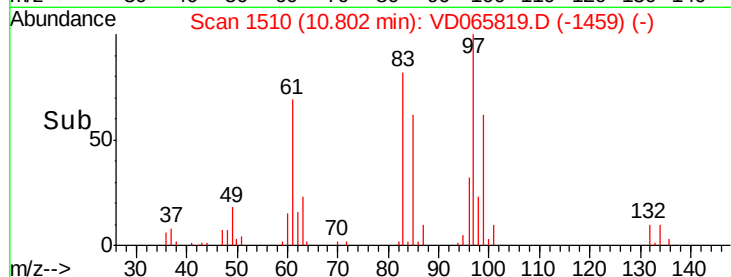
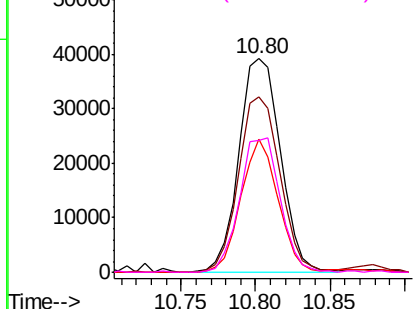
#55  
 1,1,2-Trichloroethane  
 Concen: 51.354 ug/l  
 RT: 10.80 min Scan# 1510  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 97 Resp: 75924  
 Ion Ratio Lower Upper  
 97 100  
 83 82.2 68.7 103.1  
 85 62.2 43.0 64.6  
 99 61.8 49.8 74.6

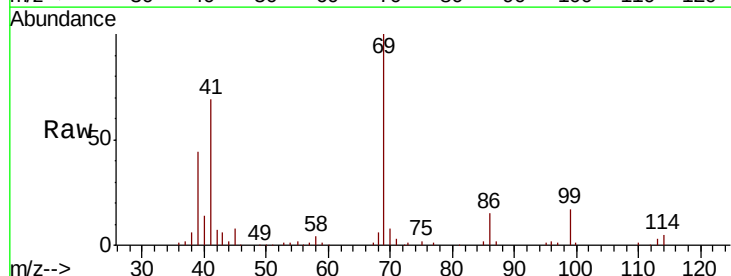


Abundance Ion 96.90 (96.60 to 97.60): VDC  
 Ion 82.90 (82.60 to 83.60): VDC  
 Ion 84.90 (84.60 to 85.60): VDC  
 Ion 98.90 (98.60 to 99.60): VDC

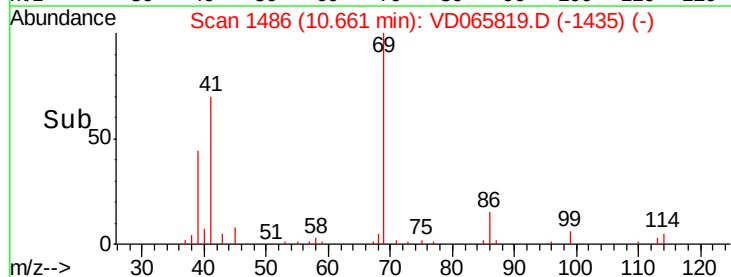
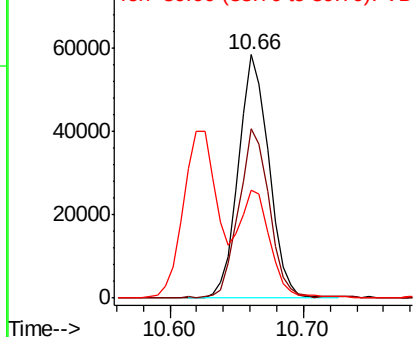


#56  
 Ethyl methacrylate  
 Concen: 53.006 ug/l  
 RT: 10.66 min Scan# 1486  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

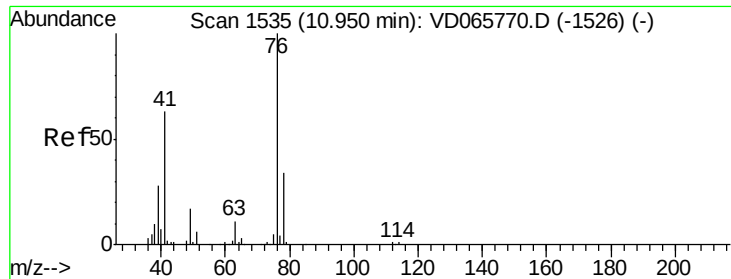
Tgt Ion: 69 Resp: 92175  
 Ion Ratio Lower Upper  
 69 100  
 41 70.3 56.9 85.3  
 39 45.6 36.0 54.0



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







#57

1,3-Dichloropropane

Concen: 51.128 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

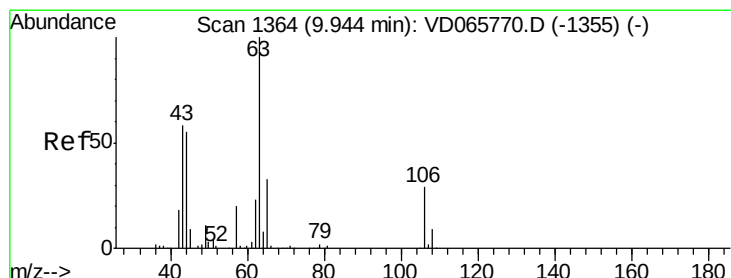
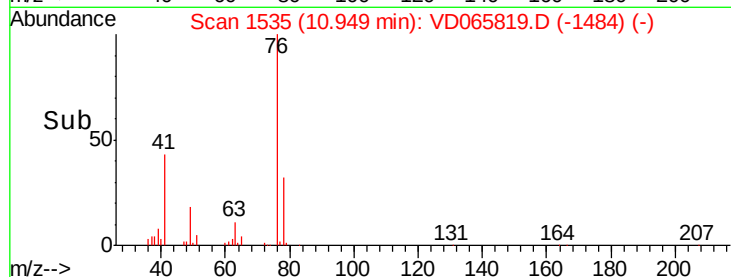
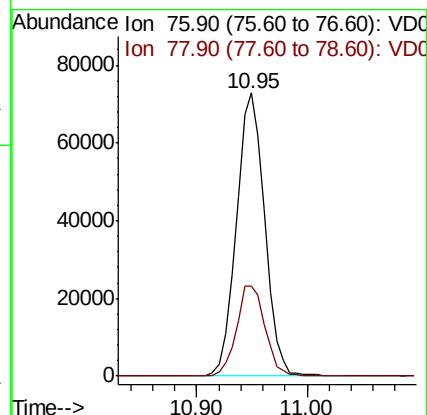
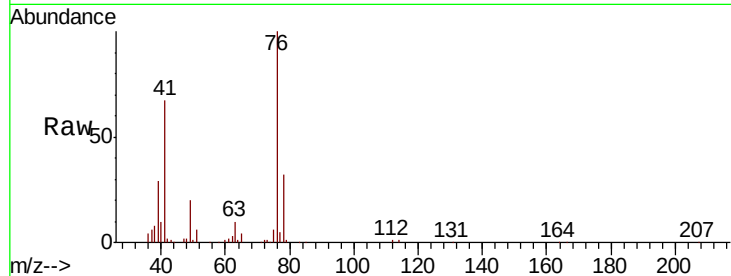
VSTDCCC050EC

Tot Ion: 76 Resp: 130958

Ion Ratio Lower Upper

76 100

78 32.3 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 279.439 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065819.D

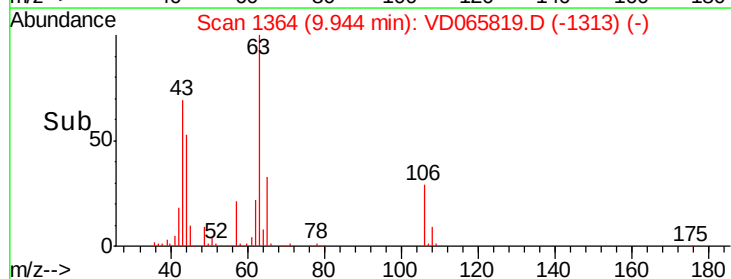
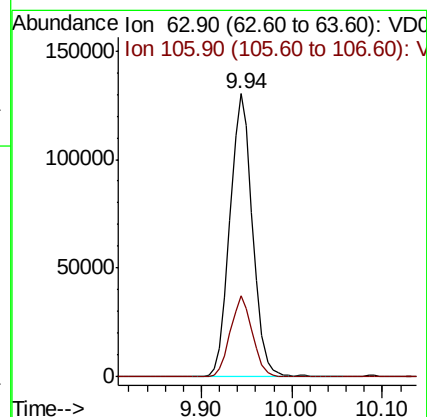
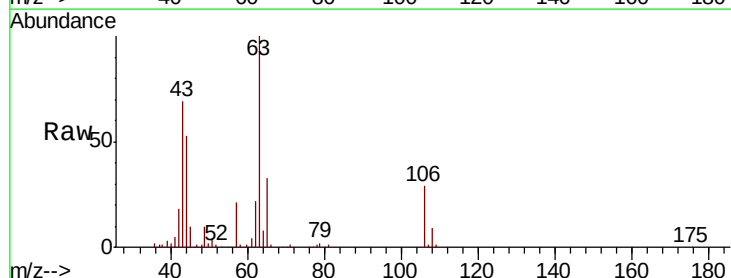
Acq: 18 Jun 2020 20:09

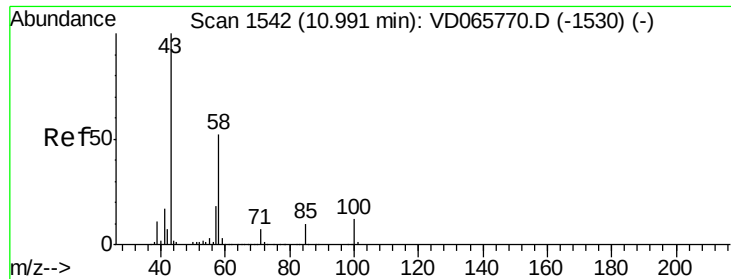
Tgt Ion: 63 Resp: 225917

Ion Ratio Lower Upper

63 100

106 28.0 23.2 34.8

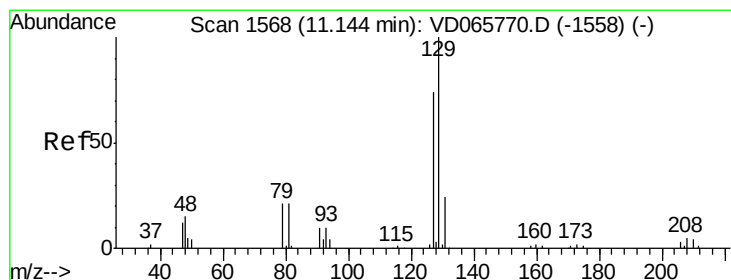
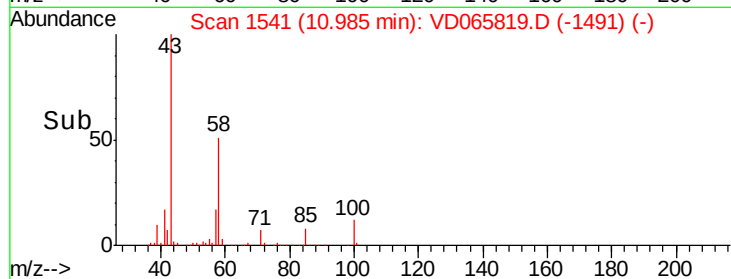
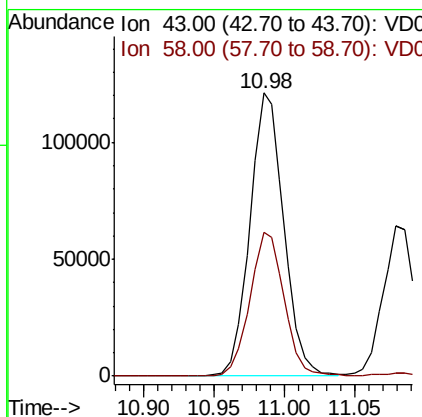
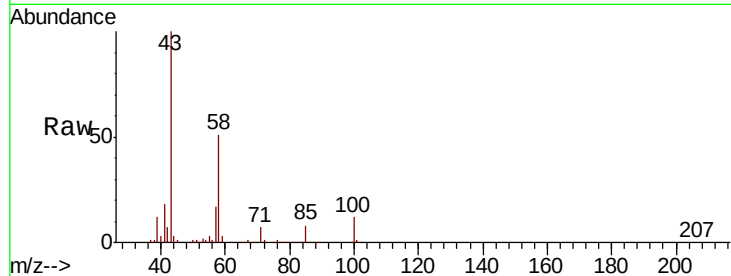




#59  
2-Hexanone  
Concen: 266.018 ug/l  
RT: 10.98 min Scan# 1541  
Delta R.T. -0.01 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

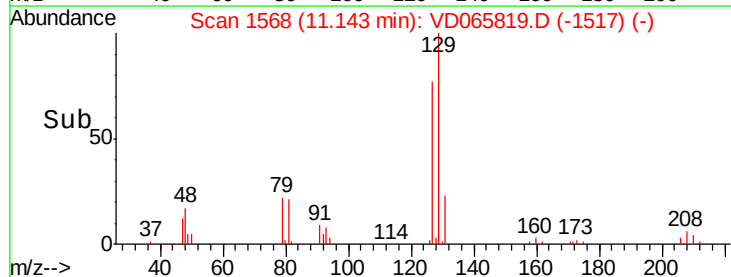
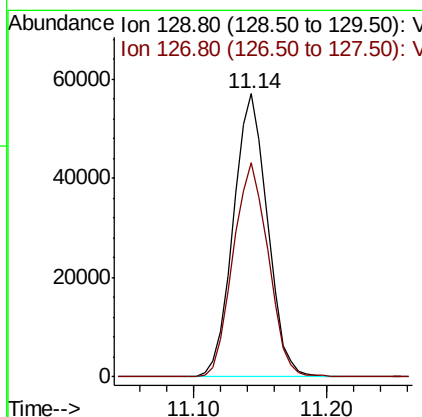
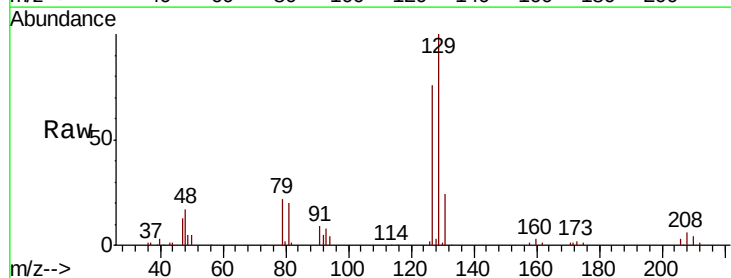
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

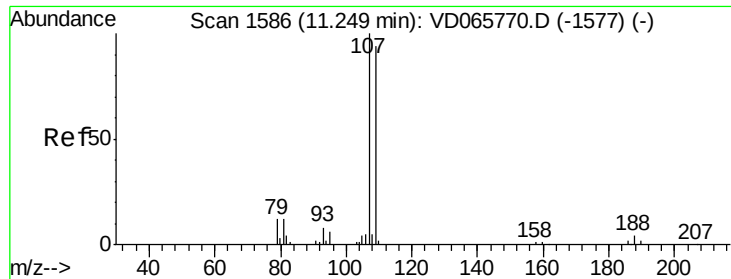
Tot Ion: 43 Resp: 204439  
Ion Ratio Lower Upper  
43 100  
58 51.2 25.7 77.0



#60  
Dibromochloromethane  
Concen: 50.660 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion:129 Resp: 101179  
Ion Ratio Lower Upper  
129 100  
127 77.9 38.0 113.9

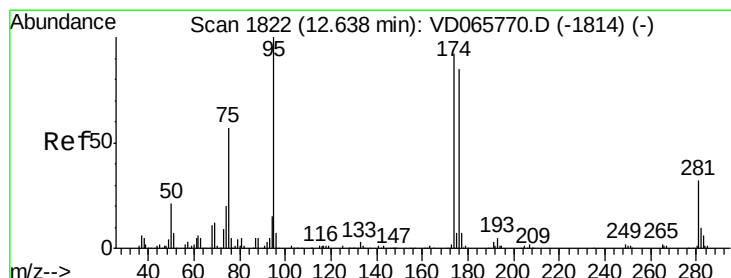
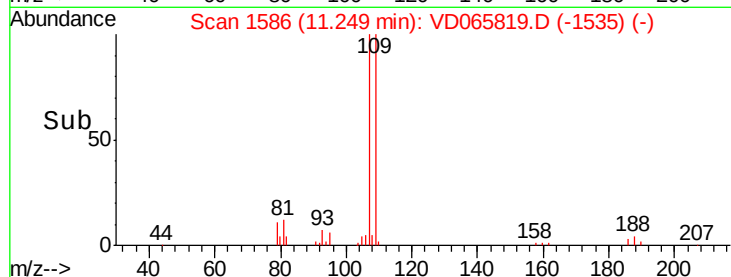
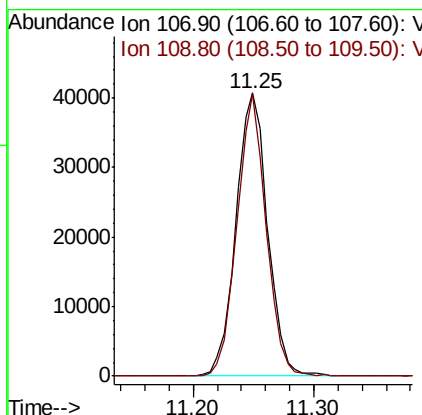
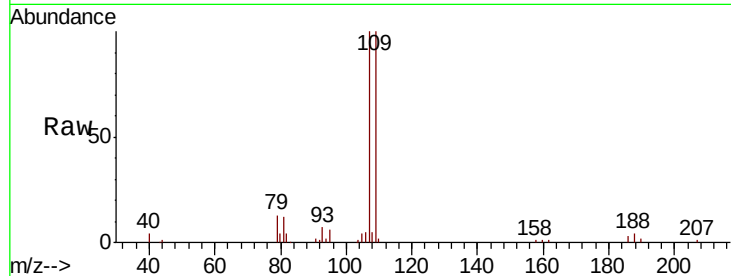




#61  
 1,2-Dibromoethane  
 Concen: 51.025 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

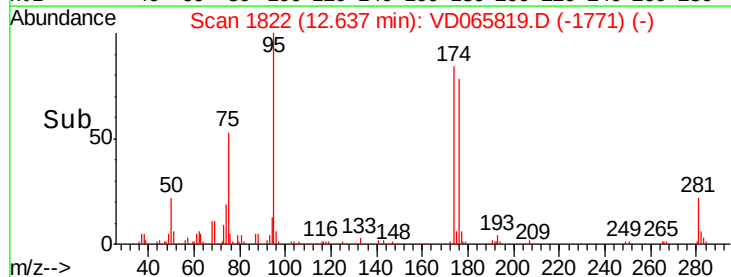
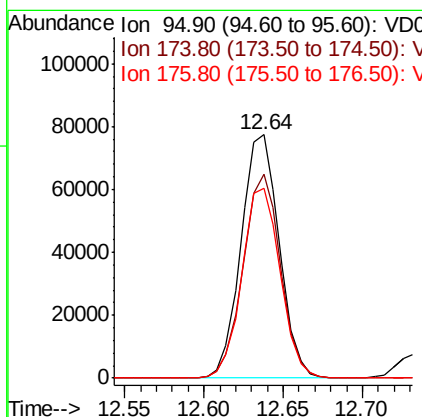
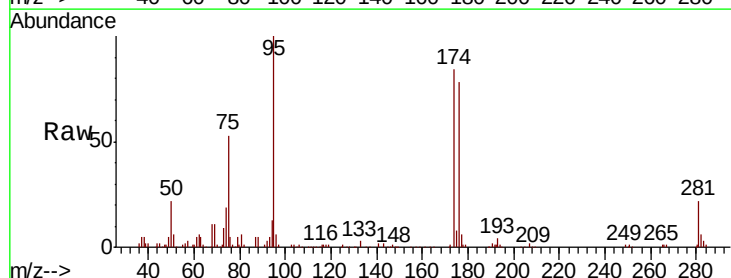
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

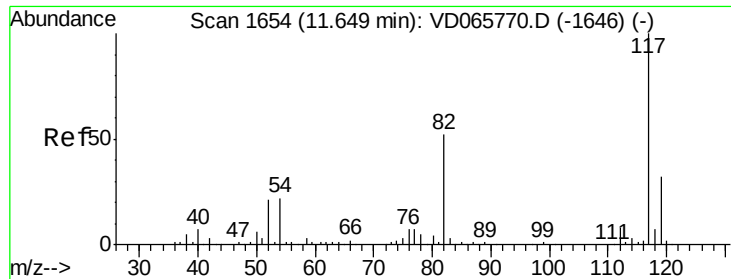
Tot Ion:107 Resp: 74137  
 Ion Ratio Lower Upper  
 107 100  
 109 91.9 74.4 111.6



#62  
 4-Bromofluorobenzene  
 Concen: 52.226 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

Tgt Ion: 95 Resp: 129345  
 Ion Ratio Lower Upper  
 95 100  
 174 82.2 0.0 175.2  
 176 78.5 0.0 163.0

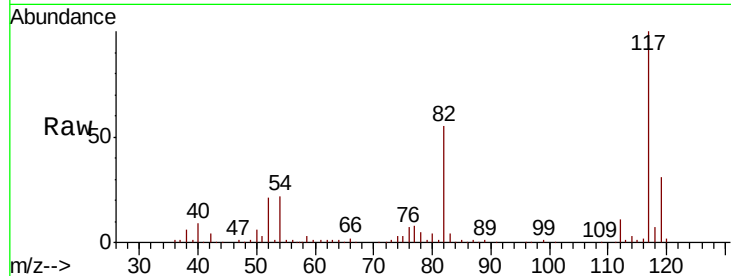




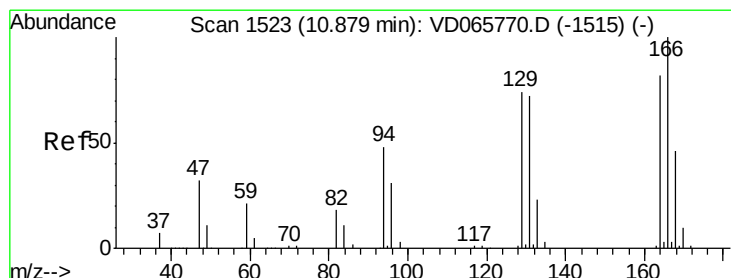
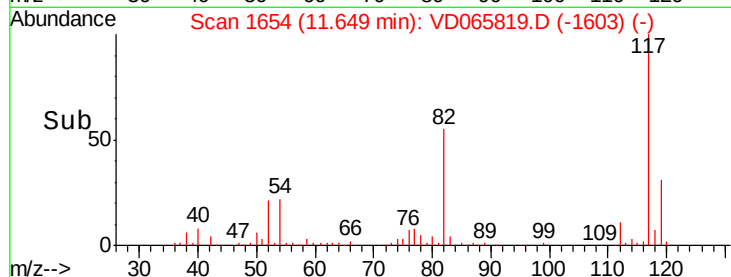
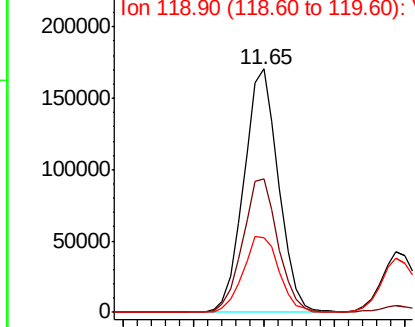
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:117 Resp: 293154  
Ion Ratio Lower Upper  
117 100  
82 54.8 41.9 62.9  
119 30.9 25.3 37.9

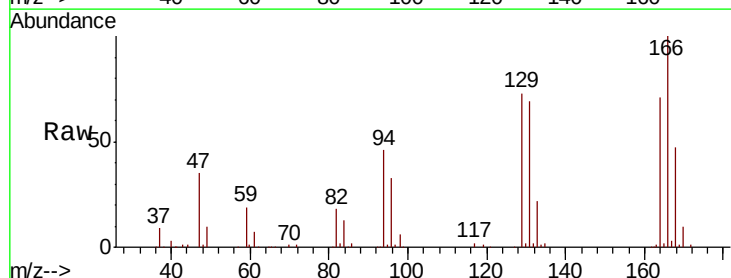


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

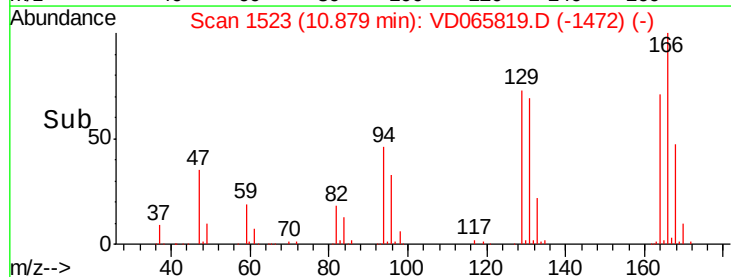
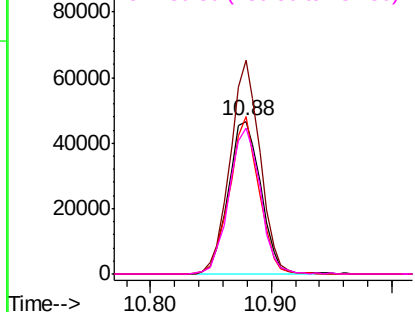


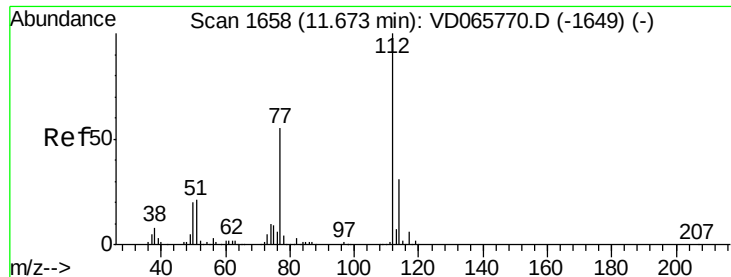
#64  
Tetrachloroethene  
Concen: 44.093 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion:164 Resp: 87407  
Ion Ratio Lower Upper  
164 100  
166 140.1 98.2 147.2  
129 103.0 72.3 108.5  
131 96.2 70.5 105.7



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

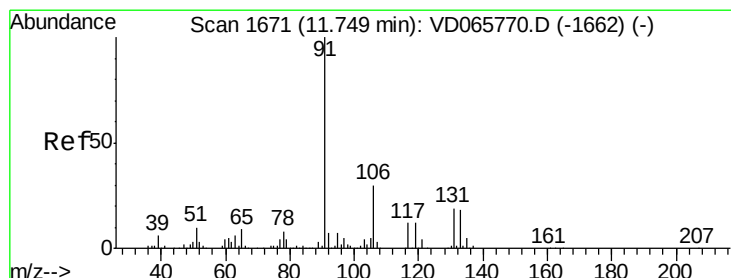
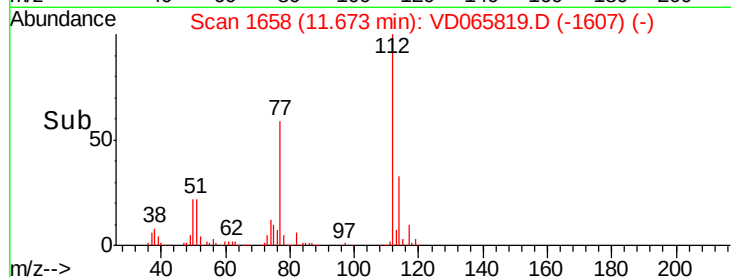
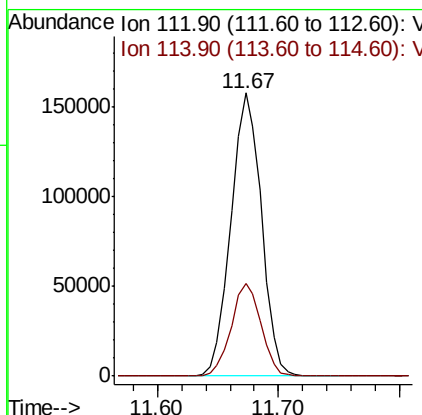
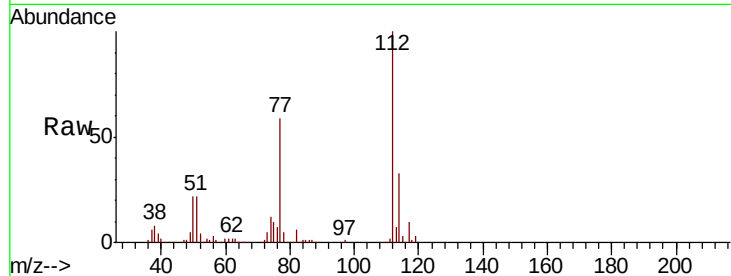




#65  
Chlorobenzene  
Concen: 48.511 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

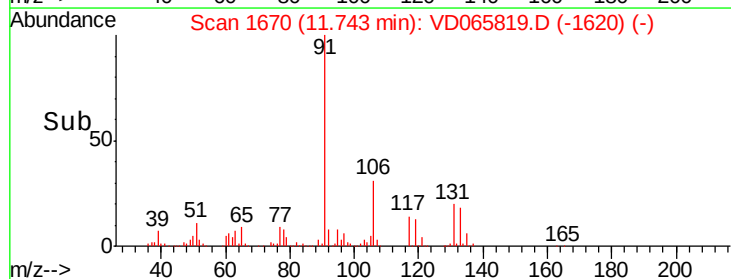
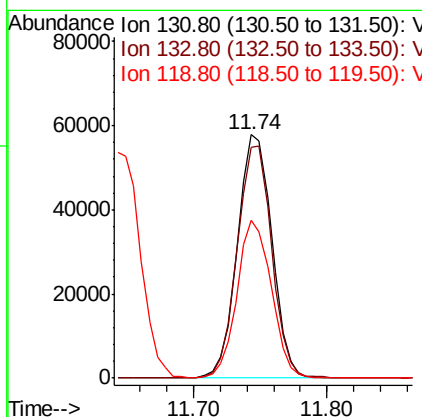
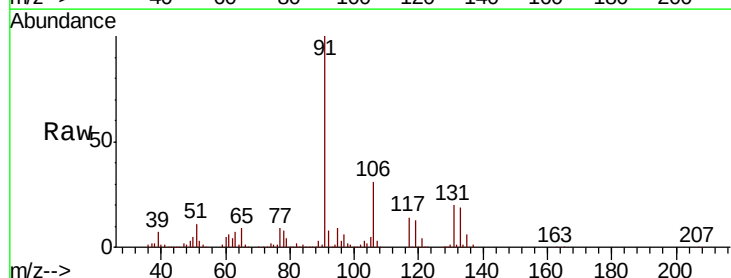
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

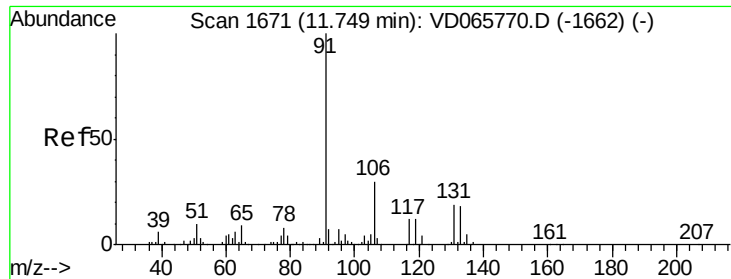
Tot Ion:112 Resp: 277633  
Ion Ratio Lower Upper  
112 100  
114 32.6 24.7 37.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.528 ug/l  
RT: 11.74 min Scan# 1670  
Delta R.T. -0.01 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion:131 Resp: 103524  
Ion Ratio Lower Upper  
131 100  
133 95.7 47.3 141.9  
119 64.5 31.6 94.8





#67

Ethyl Benzene

Concen: 49.312 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

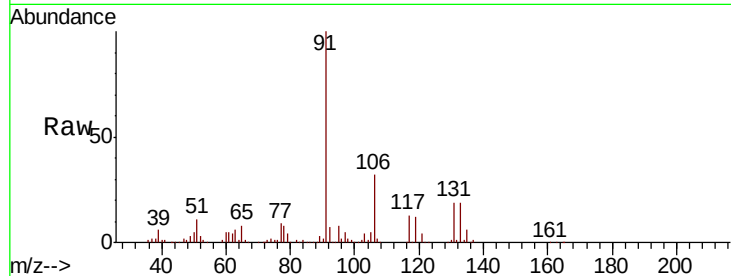
VSTDCCC050EC

Tot Ion: 91 Resp: 504162

Ion Ratio Lower Upper

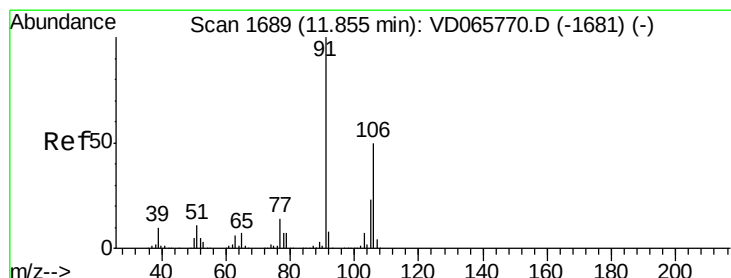
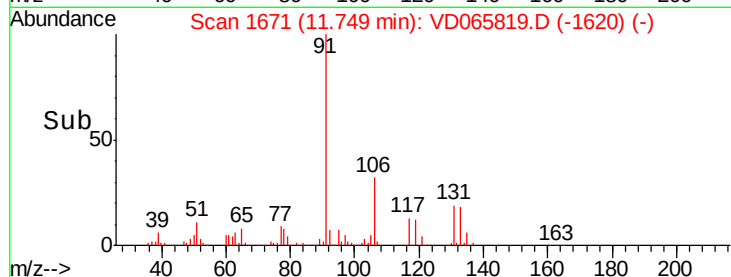
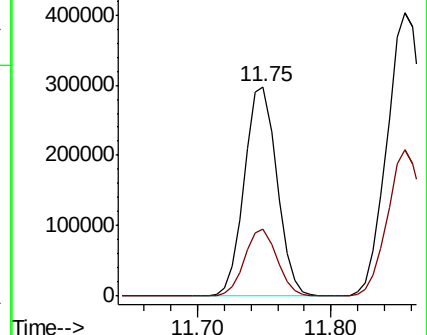
91 100

106 32.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 99.662 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065819.D

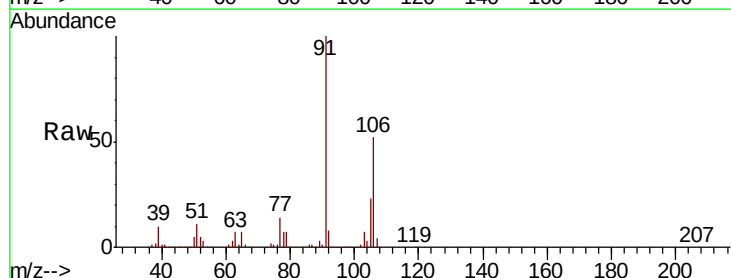
Acq: 18 Jun 2020 20:09

Tgt Ion: 106 Resp: 392475

Ion Ratio Lower Upper

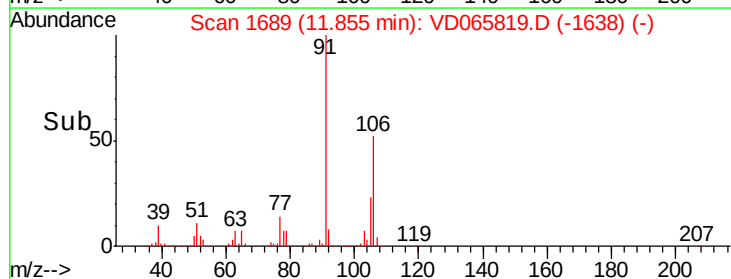
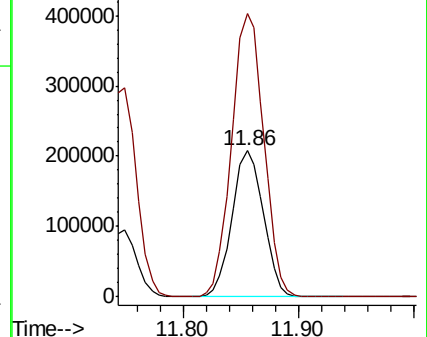
106 100

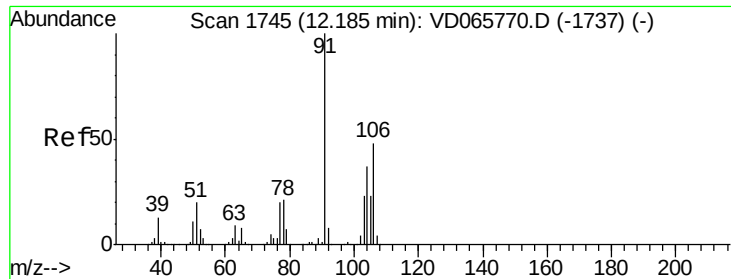
91 198.0 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

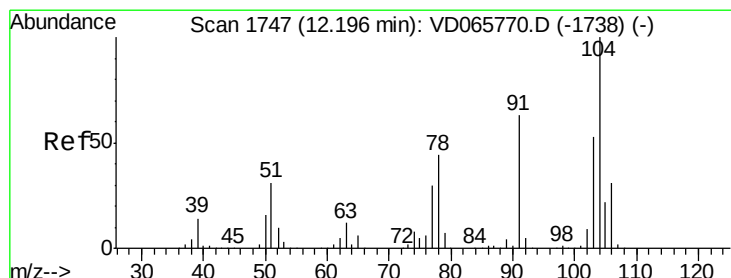
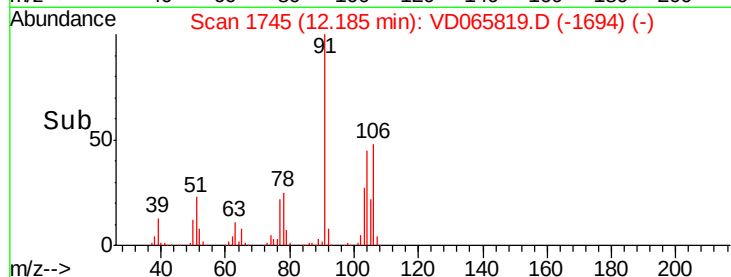
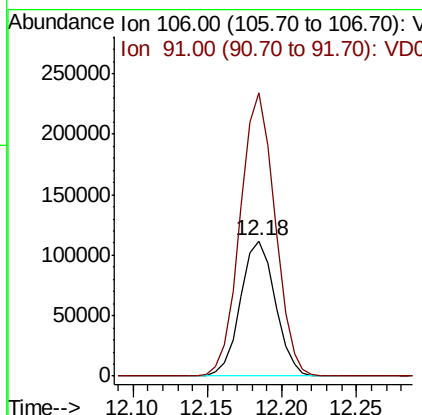
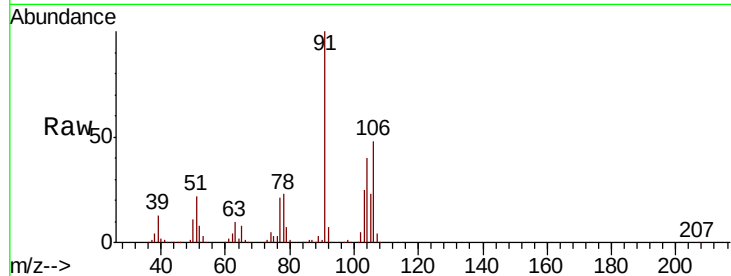




#69  
o-Xylene  
Concen: 50.945 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

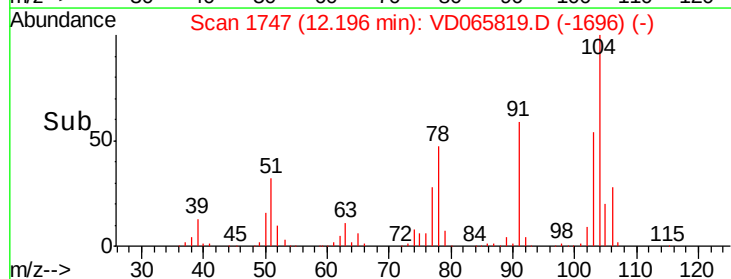
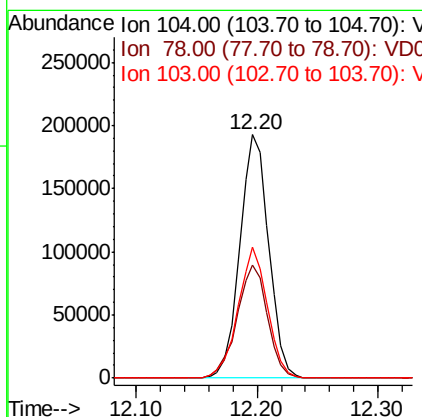
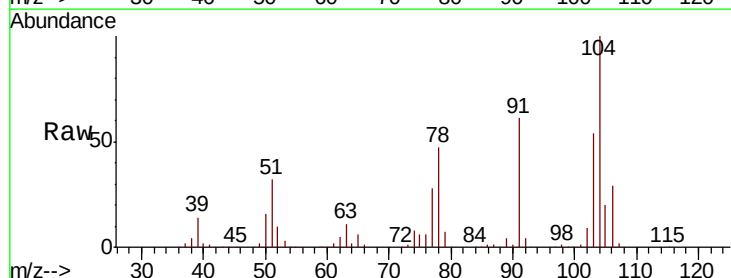
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

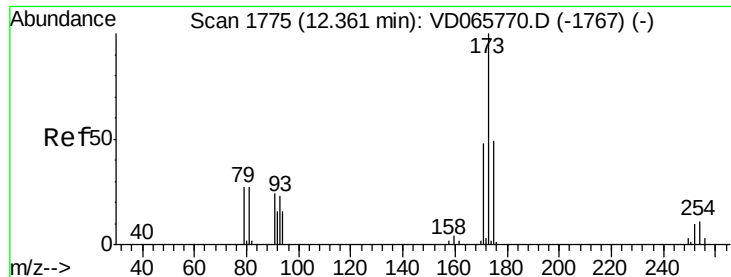
Tot Ion:106 Resp: 180891  
Ion Ratio Lower Upper  
106 100  
91 210.0 105.3 315.8



#70  
Styrene  
Concen: 52.248 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion:104 Resp: 321150  
Ion Ratio Lower Upper  
104 100  
78 49.2 38.6 58.0  
103 54.9 43.9 65.9





#71

Bromoform

Concen: 48.299 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

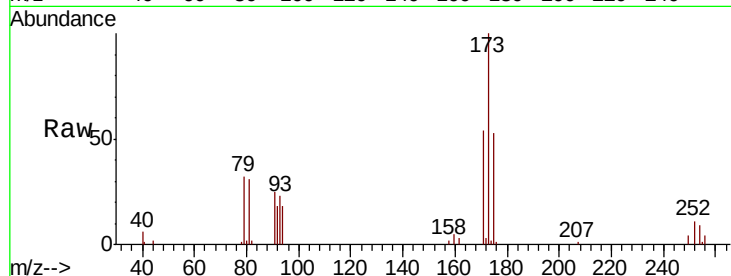
Tot Ion:173 Resp: 56739

Ion Ratio Lower Upper

173 100

175 51.7 24.8 74.4

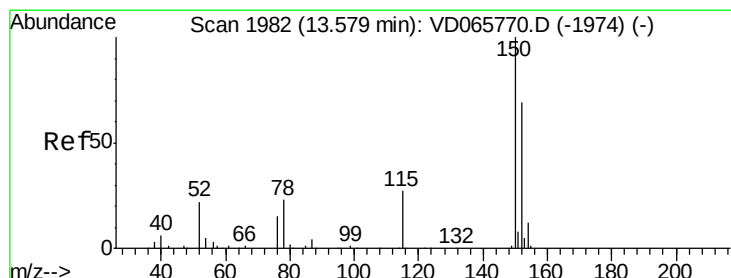
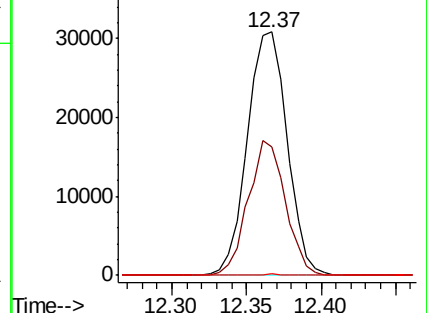
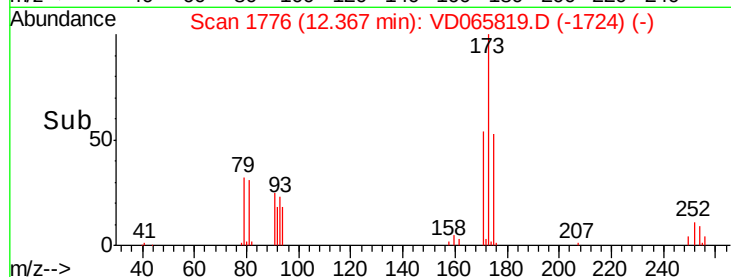
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

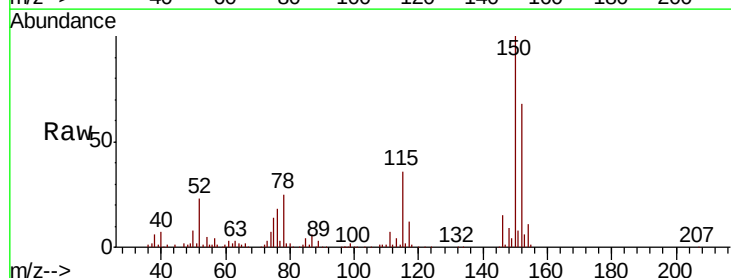
Tgt Ion:152 Resp: 156237

Ion Ratio Lower Upper

152 100

115 57.1 28.7 86.1

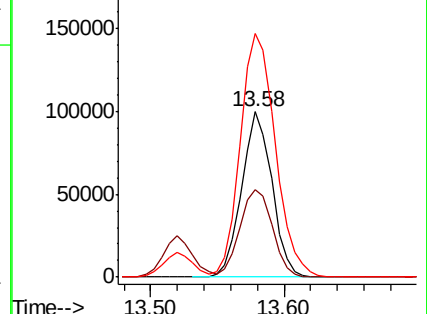
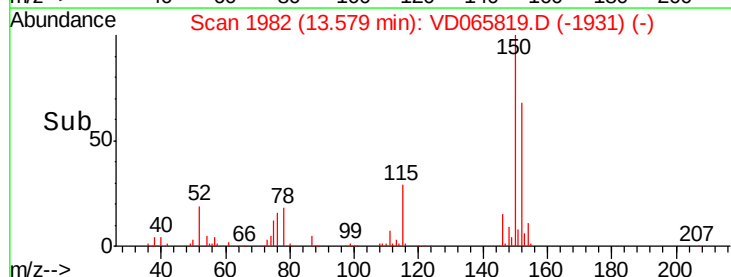
150 170.5 0.0 348.0



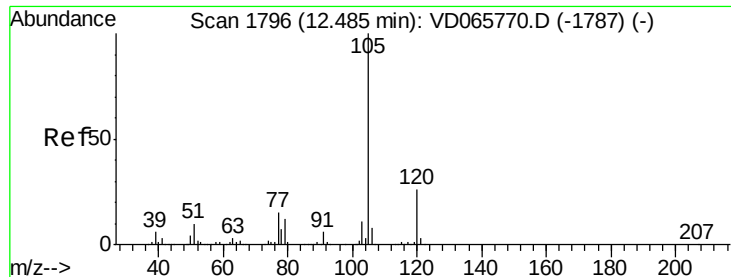
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 46.214 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

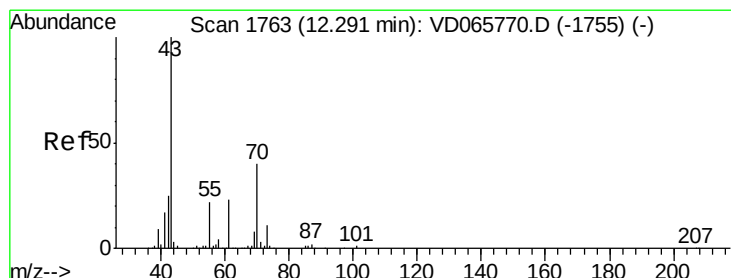
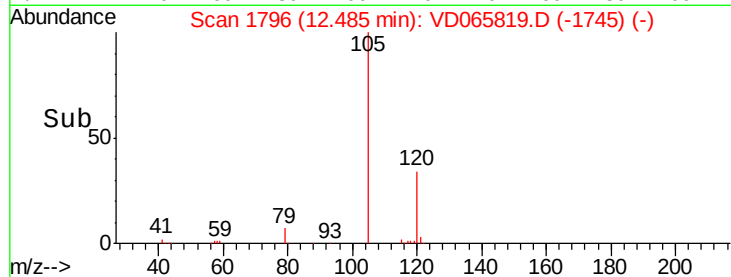
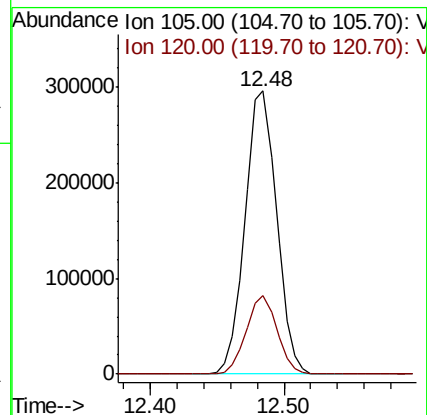
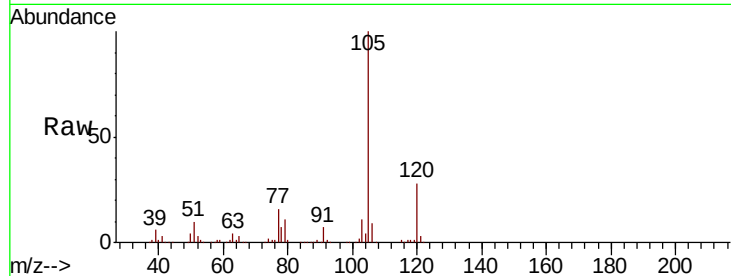
VSTDCCC050EC

Tot Ion:105 Resp: 484101

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



#74

N-ethyl acetate

Concen: 48.092 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Tgt Ion: 43 Resp: 112077

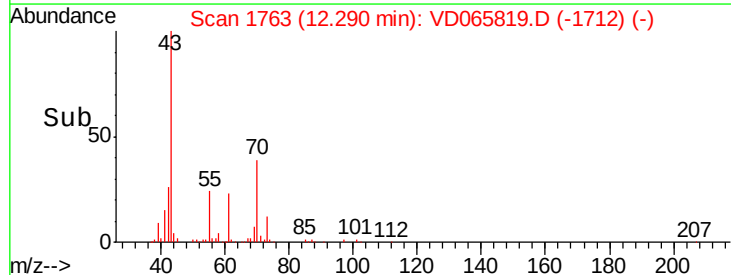
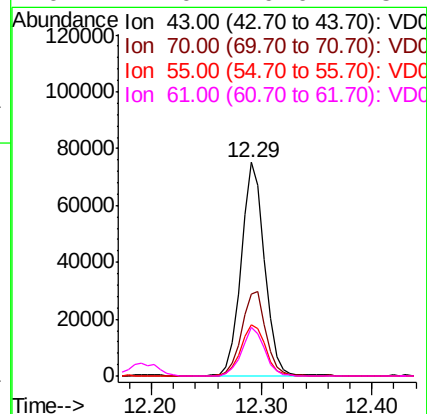
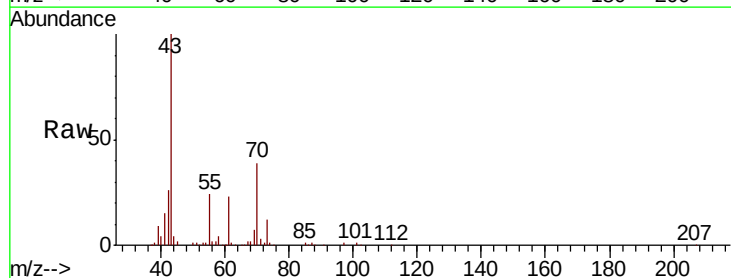
Ion Ratio Lower Upper

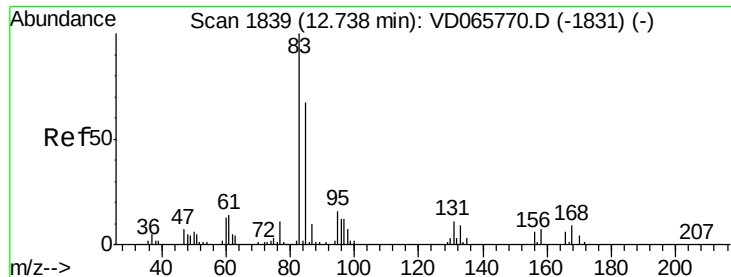
43 100

70 40.7 32.3 48.5

55 25.2 19.0 28.4

61 22.0 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.748 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

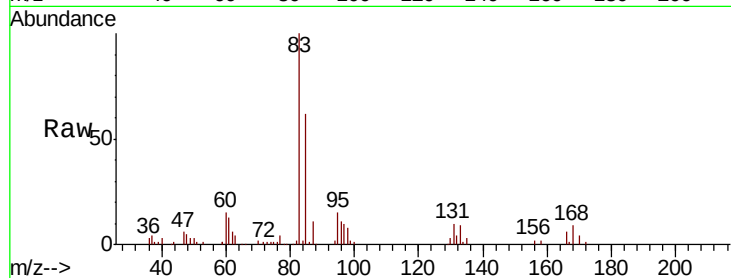
Tot Ion: 83 Resp: 84470

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

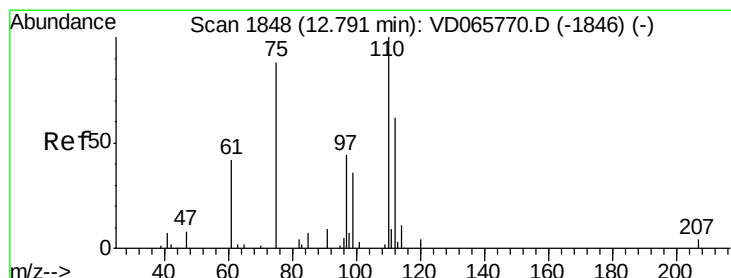
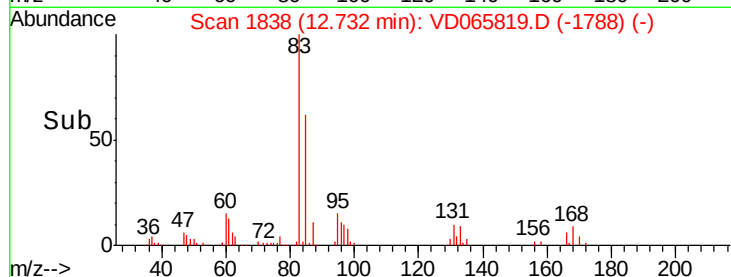
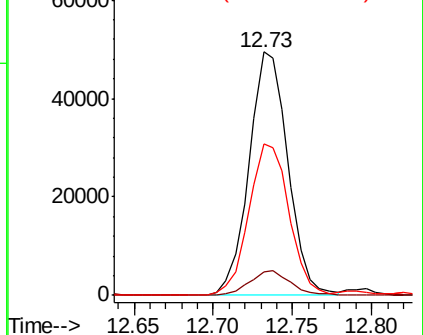
85 64.2 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 90.649 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065819.D

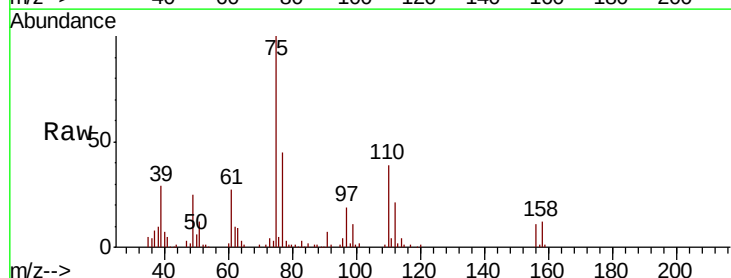
Acq: 18 Jun 2020 20:09

Tgt Ion: 75 Resp: 110145

Ion Ratio Lower Upper

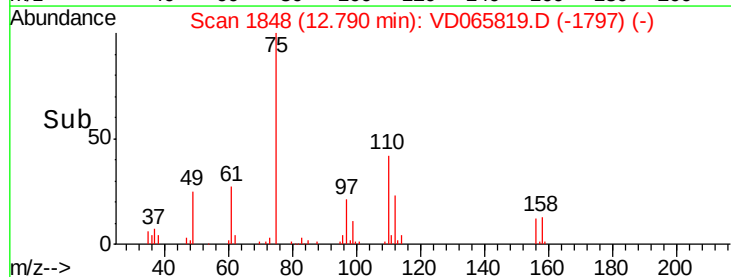
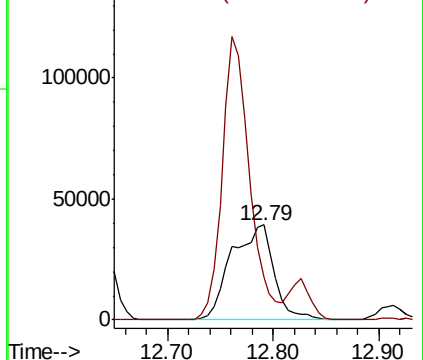
75 100

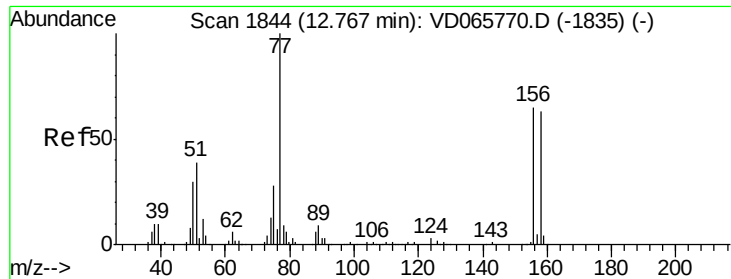
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 46.829 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

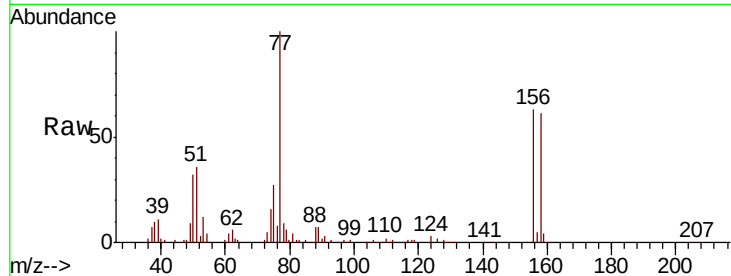
Tot Ion:156 Resp: 116062

Ion Ratio Lower Upper

156 100

77 182.2 87.3 261.8

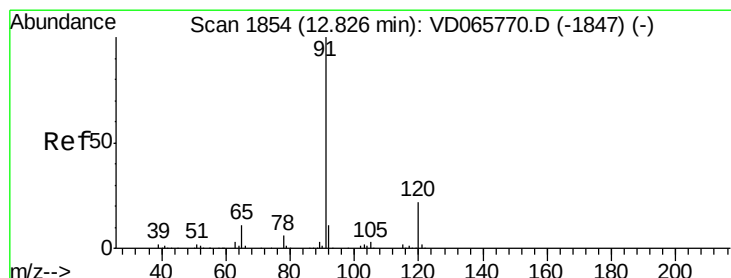
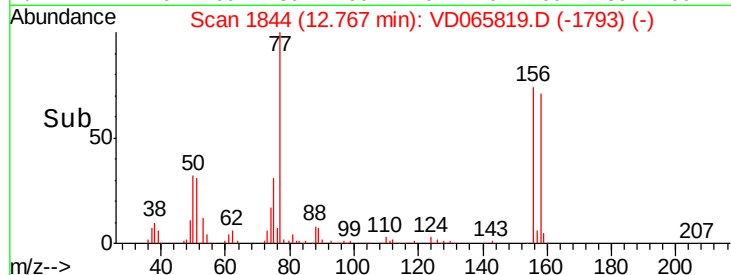
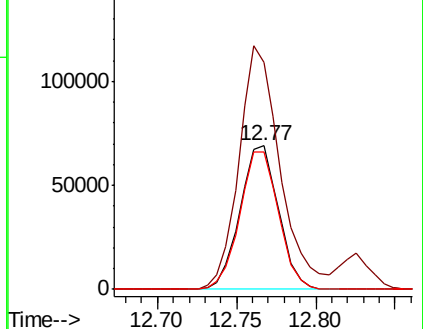
158 97.3 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.800 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065819.D

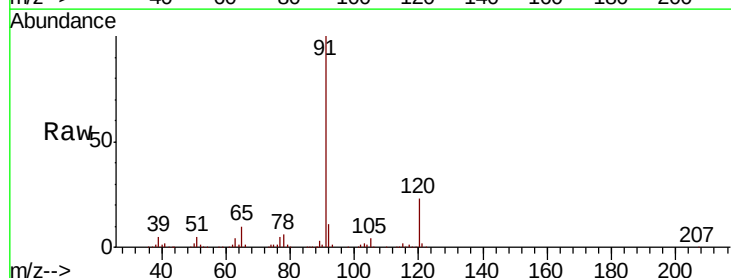
Acq: 18 Jun 2020 20:09

Tgt Ion: 91 Resp: 590102

Ion Ratio Lower Upper

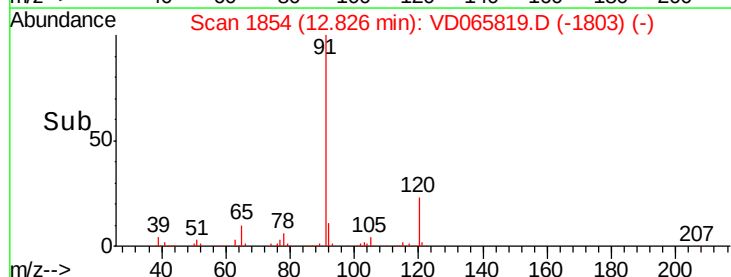
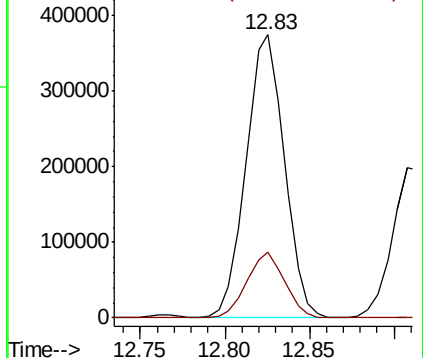
91 100

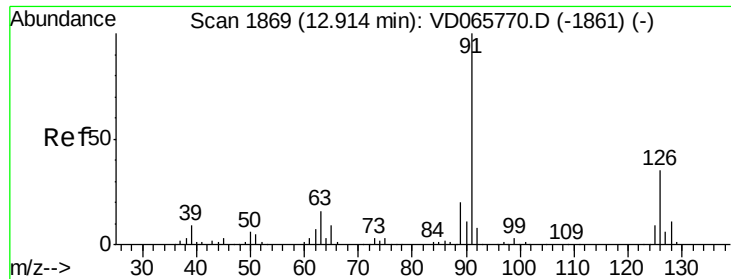
120 22.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

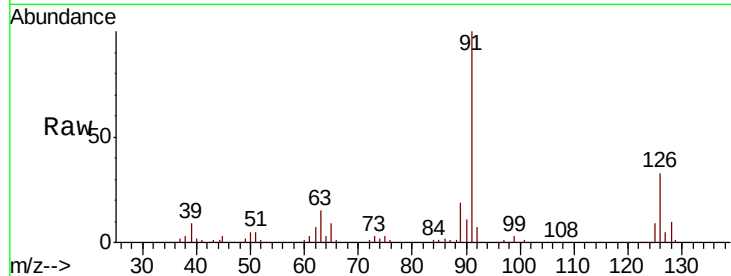




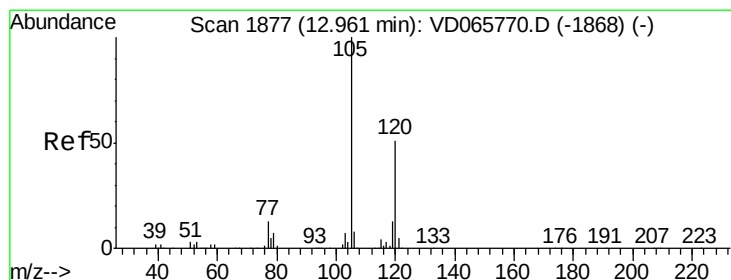
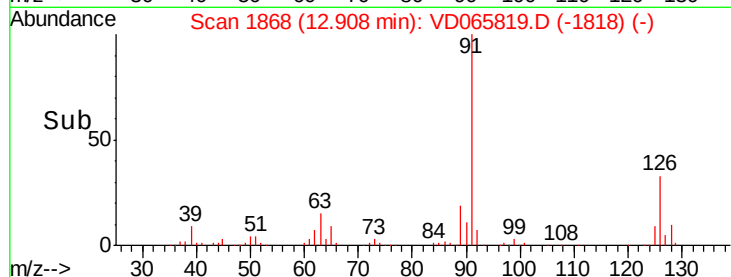
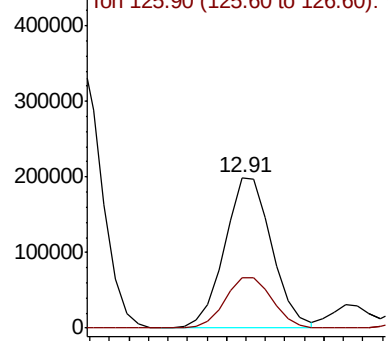
#79  
2-Chlorotoluene  
Concen: 48.017 ug/l  
RT: 12.91 min Scan# 1868  
Delta R.T. -0.01 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 332143  
Ion Ratio Lower Upper  
91 100  
126 34.1 17.5 52.6

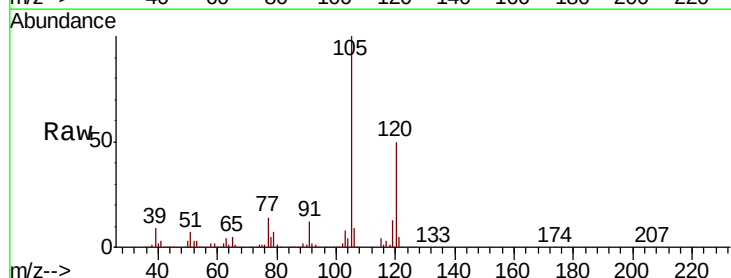


Abundance Ion 91.00 (90.70 to 91.70): V  
Ion 125.90 (125.60 to 126.60): V

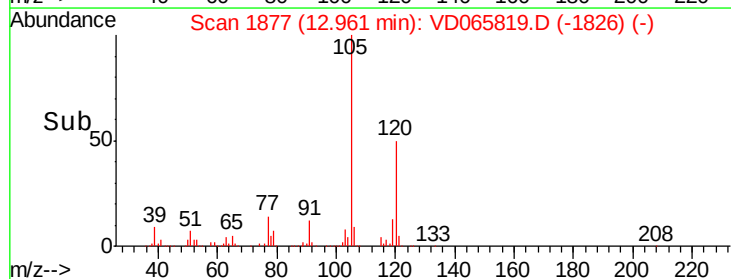
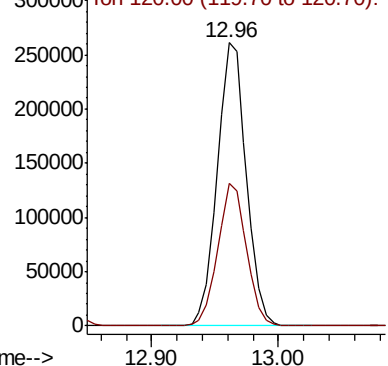


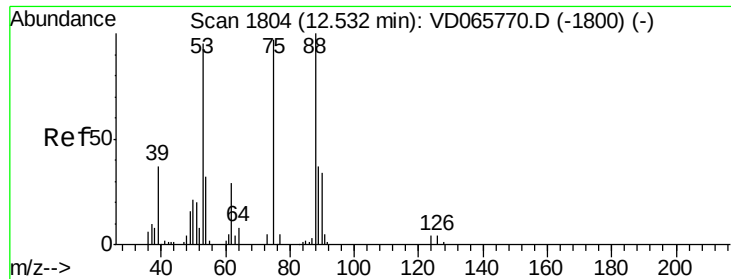
#80  
1,3,5-Trimethylbenzene  
Concen: 47.589 ug/l  
RT: 12.96 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion: 105 Resp: 414834  
Ion Ratio Lower Upper  
105 100  
120 49.8 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V

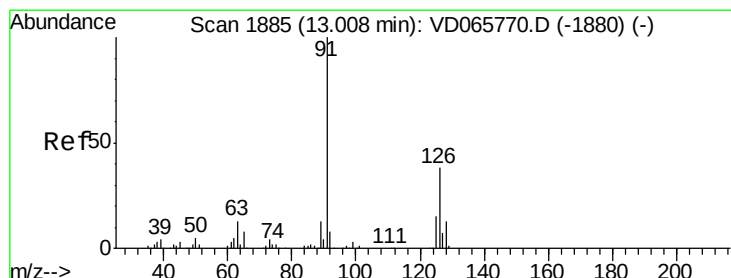
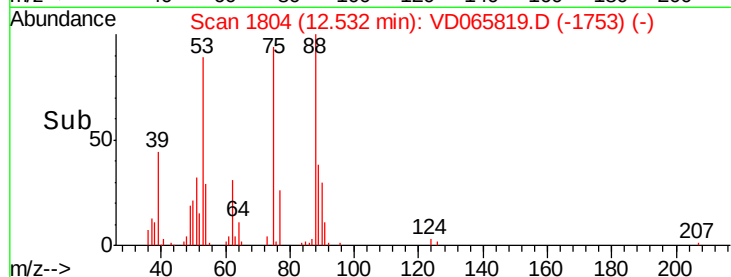
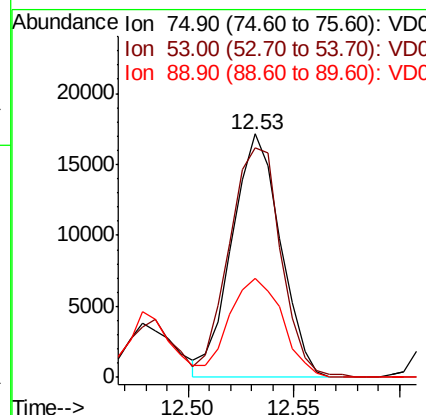
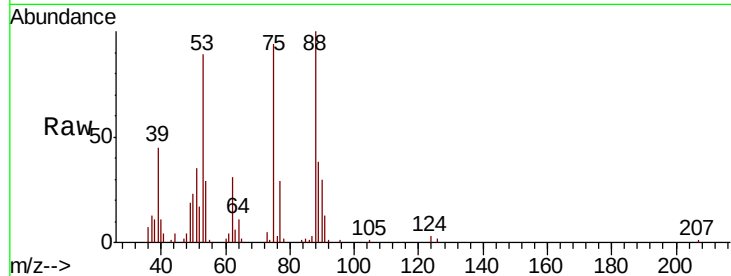




#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.694 ug/l  
RT: 12.53 min Scan# 1804  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

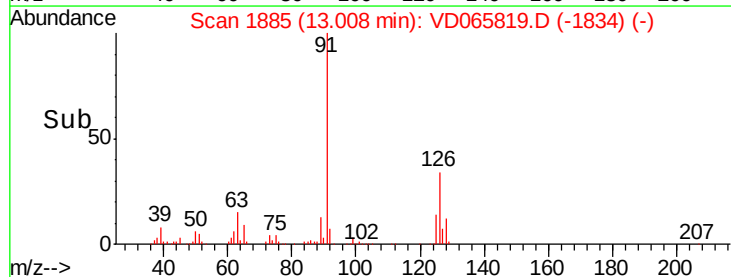
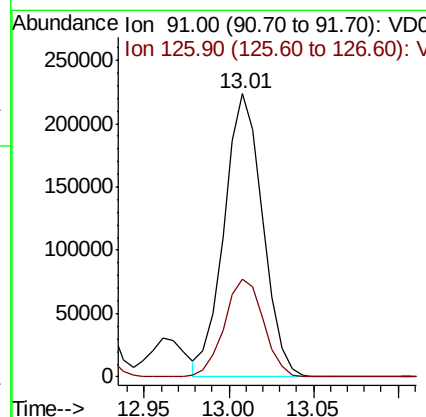
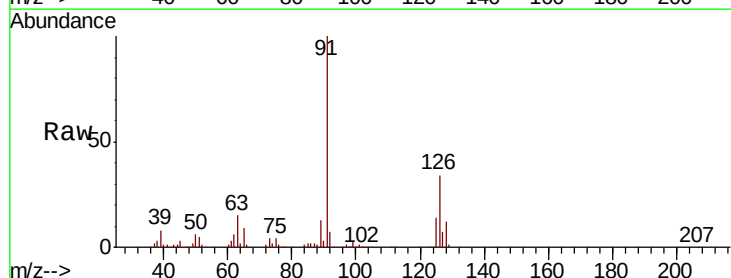
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

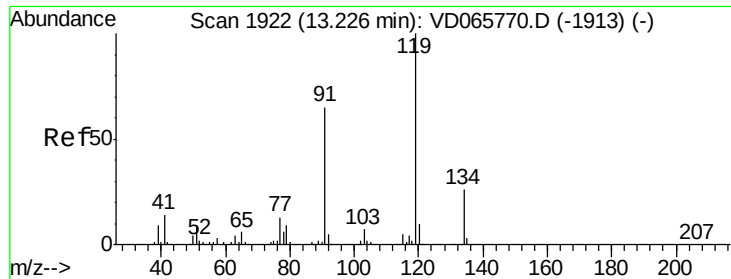
Tot Ion: 75 Resp: 27384  
Ion Ratio Lower Upper  
75 100  
53 100.8 82.6 123.8  
89 43.6 35.9 53.9



#82  
4-Chlorotoluene  
Concen: 47.690 ug/l  
RT: 13.01 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion: 91 Resp: 354078  
Ion Ratio Lower Upper  
91 100  
126 35.2 17.6 52.8

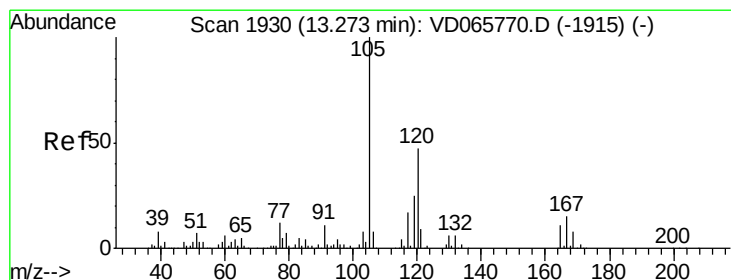
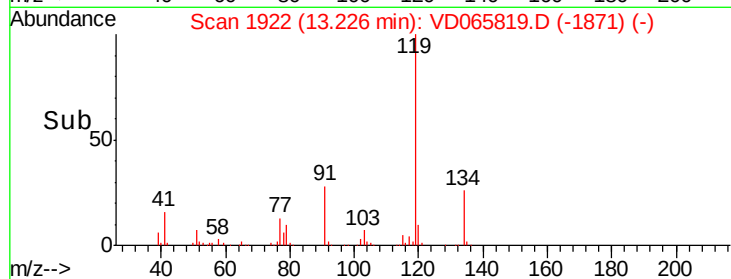
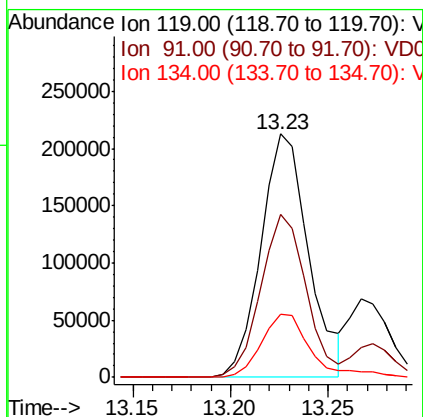
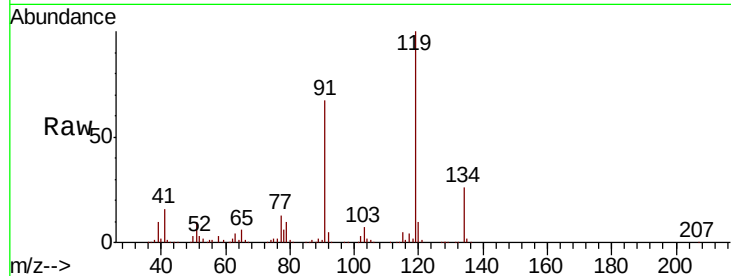




#83  
 tert-Butylbenzene  
 Concen: 47.685 ug/l  
 RT: 13.23 min Scan# 1922  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

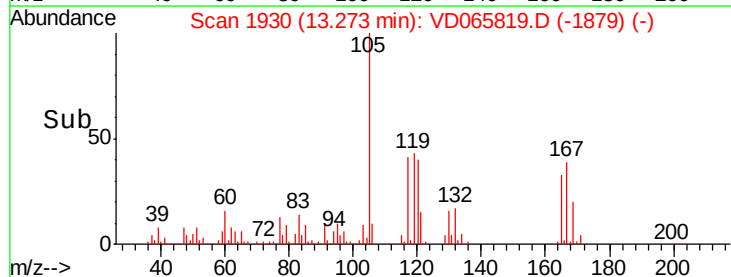
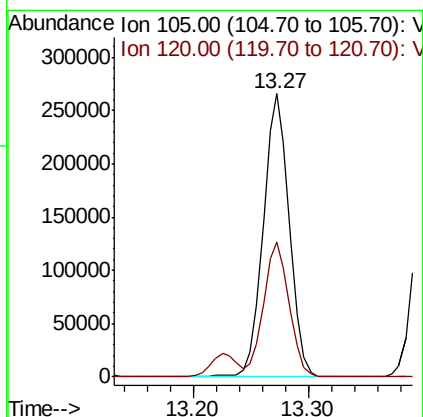
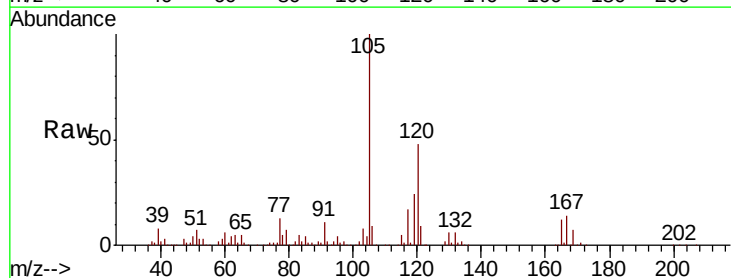
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

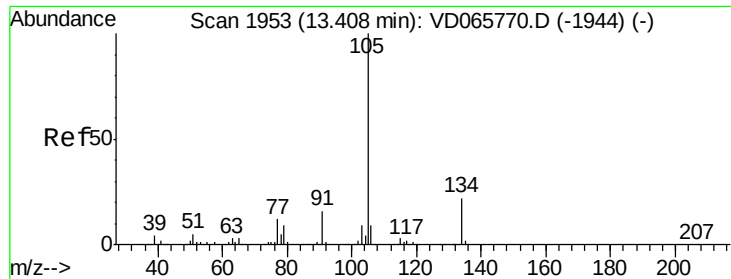
Tot Ion:119 Resp: 360676  
 Ion Ratio Lower Upper  
 119 100  
 91 63.6 32.0 96.0  
 134 27.0 13.8 41.4



#84  
 1,2,4-Trimethylbenzene  
 Concen: 47.785 ug/l  
 RT: 13.27 min Scan# 1930  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

Tgt Ion:105 Resp: 416929  
 Ion Ratio Lower Upper  
 105 100  
 120 47.0 23.3 69.8





#85

sec-Butylbenzene

Concen: 46.997 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

Instrument :

MSVOA\_D

ClientSampleId :

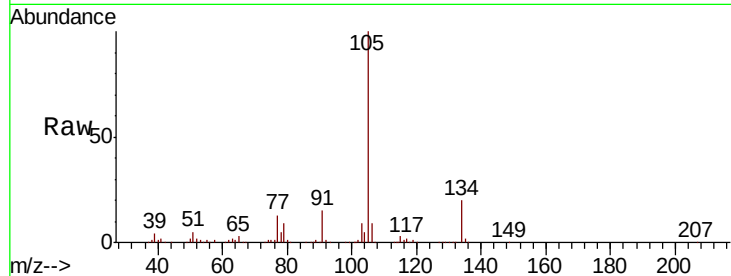
VSTDCCC050EC

Tot Ion:105 Resp: 494700

Ion Ratio Lower Upper

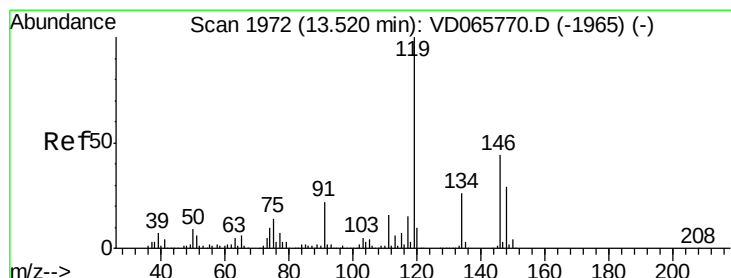
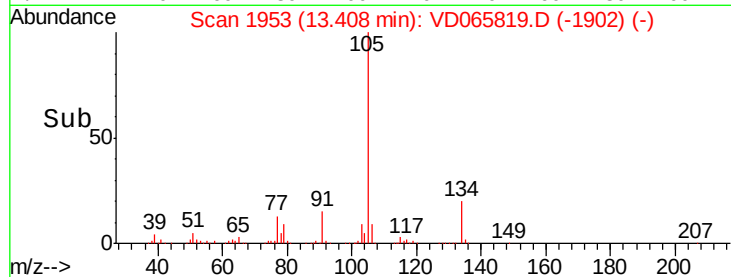
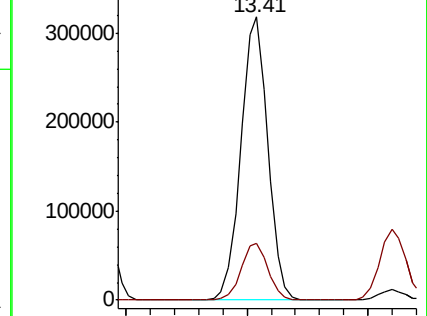
105 100

134 20.2 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.969 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065819.D

Acq: 18 Jun 2020 20:09

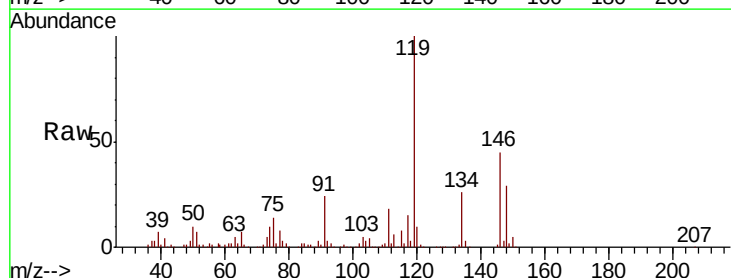
Tgt Ion:119 Resp: 462801

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

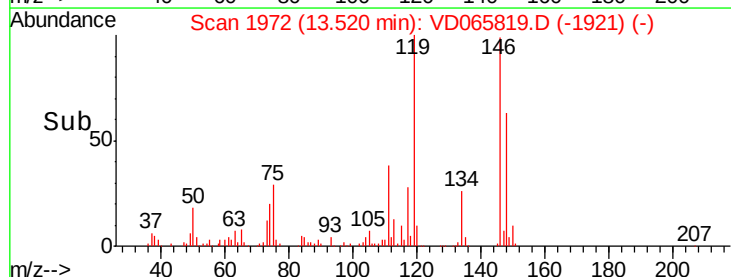
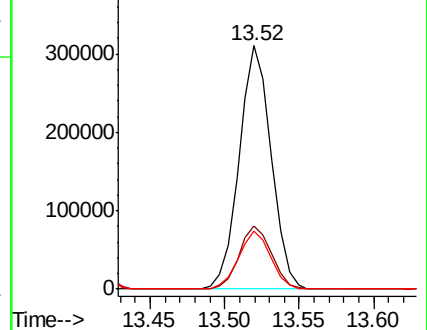
91 23.8 11.8 35.4

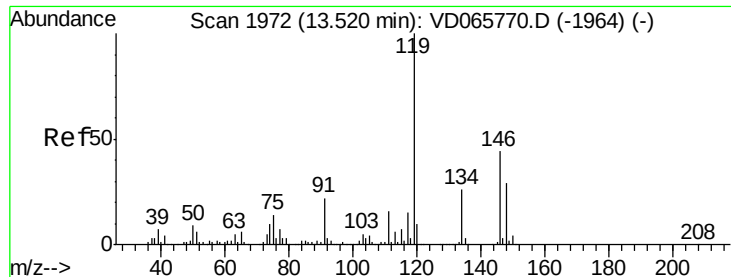


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

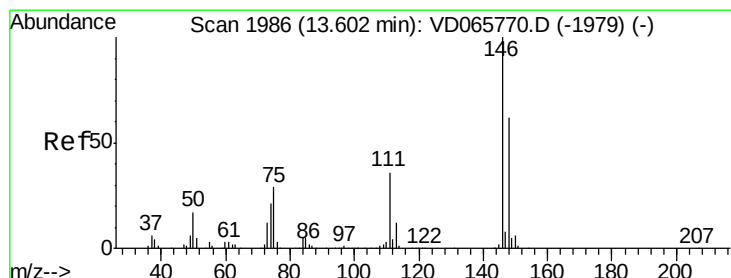
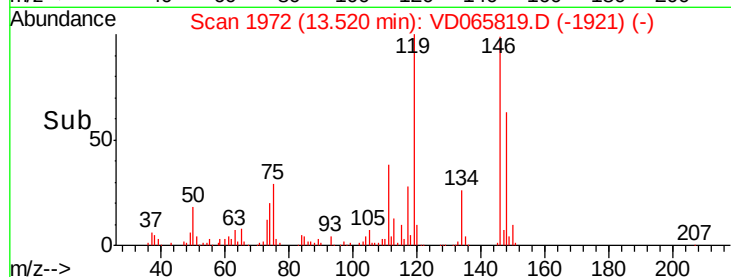
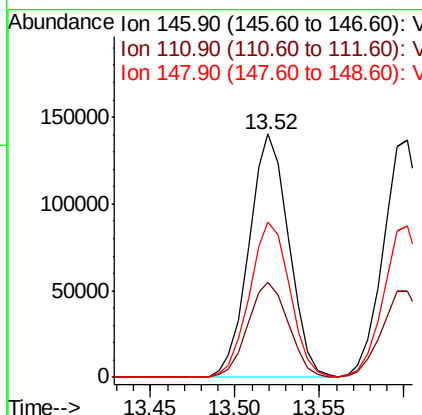
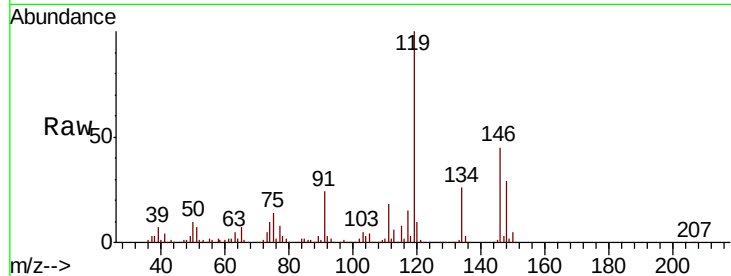




#87  
 1,3-Dichlorobenzene  
 Concen: 47.104 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

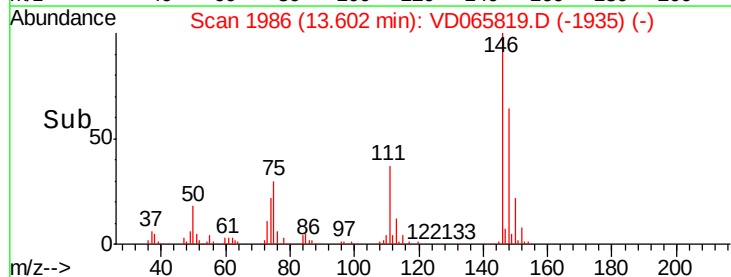
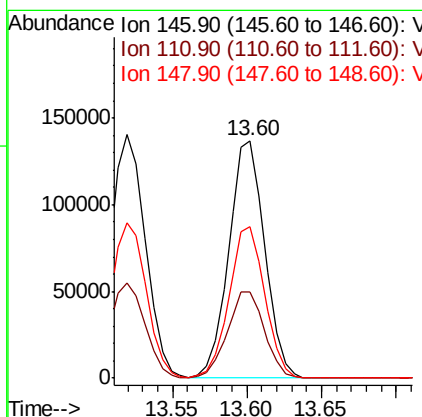
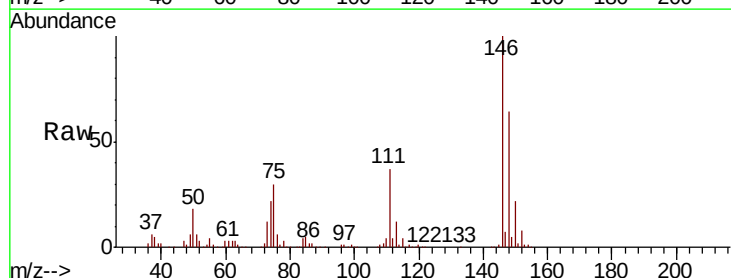
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion:146 Resp: 230189  
 Ion Ratio Lower Upper  
 146 100  
 111 39.7 19.2 57.6  
 148 64.4 32.1 96.3

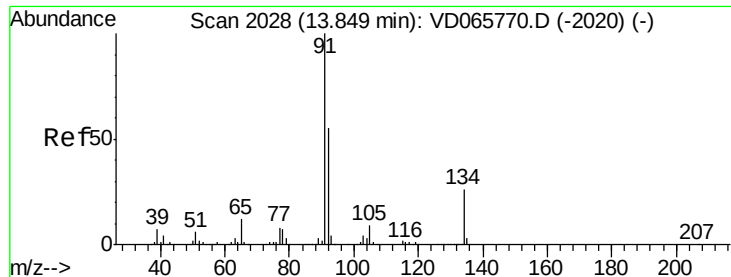


#88  
 1,4-Dichlorobenzene  
 Concen: 47.312 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

Tgt Ion:146 Resp: 229990  
 Ion Ratio Lower Upper  
 146 100  
 111 37.9 18.9 56.7  
 148 63.4 31.6 94.7



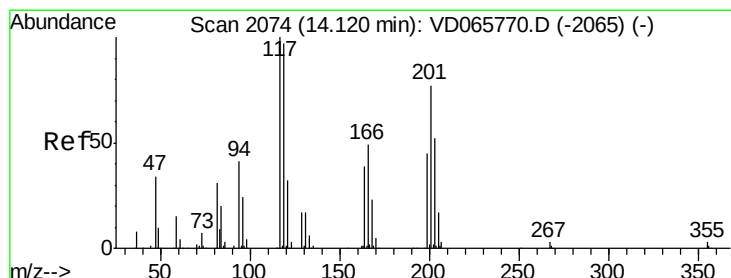
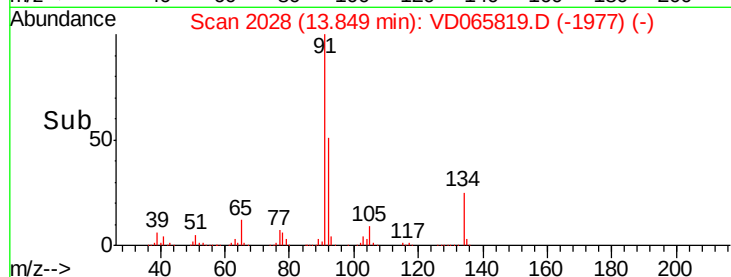
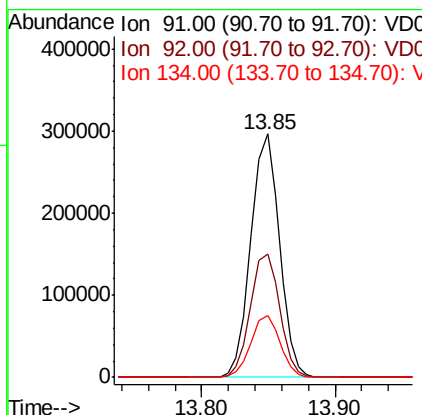
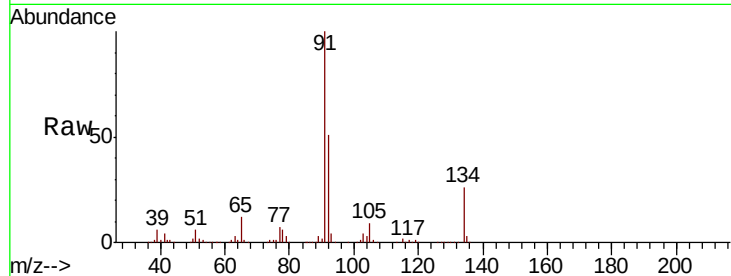




#89  
n-Butylbenzene  
Concen: 47.643 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

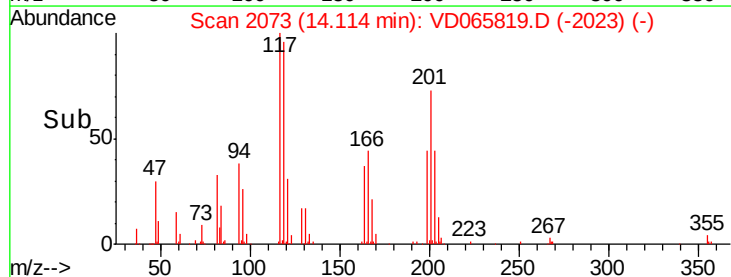
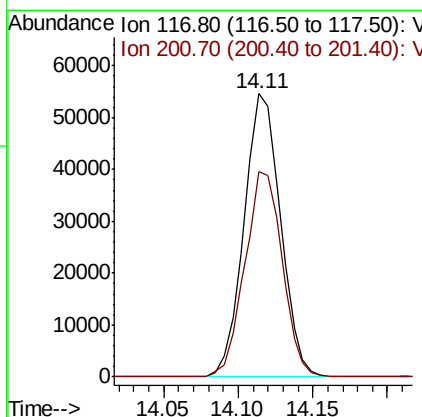
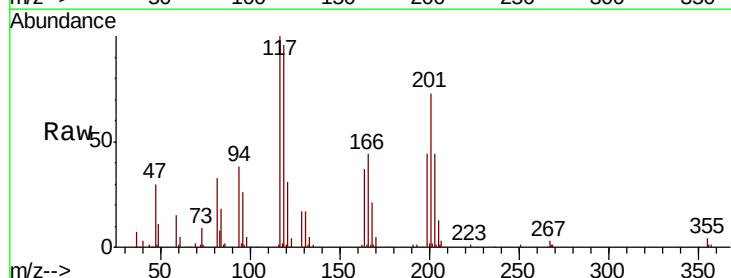
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

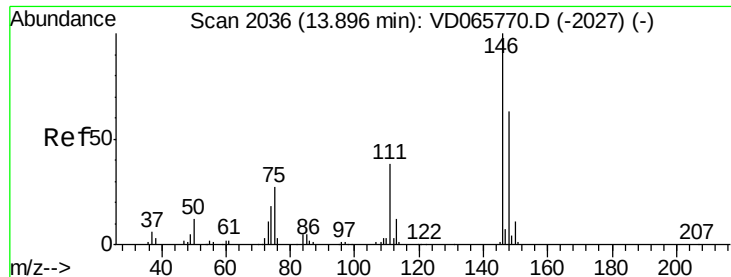
Tot Ion: 91 Resp: 438385  
Ion Ratio Lower Upper  
91 100  
92 51.9 27.0 81.0  
134 25.9 13.0 39.0



#90  
Hexachloroethane  
Concen: 47.767 ug/l  
RT: 14.11 min Scan# 2073  
Delta R.T. -0.01 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion: 117 Resp: 92246  
Ion Ratio Lower Upper  
117 100  
201 74.6 37.1 111.5

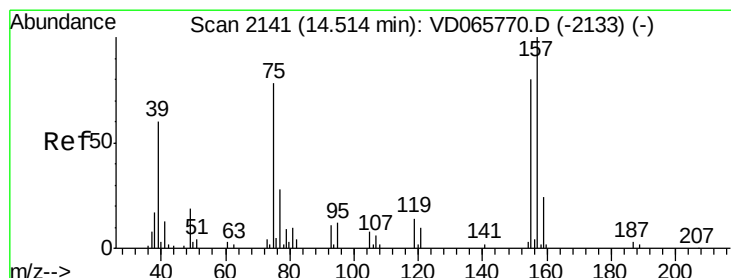
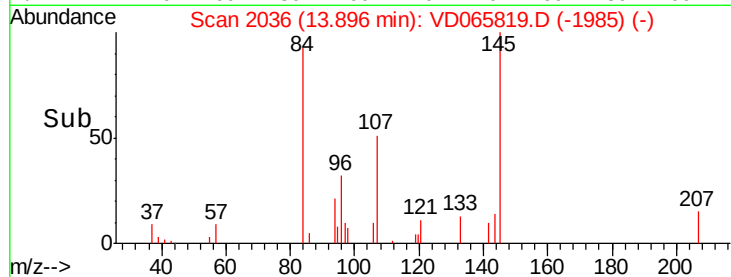
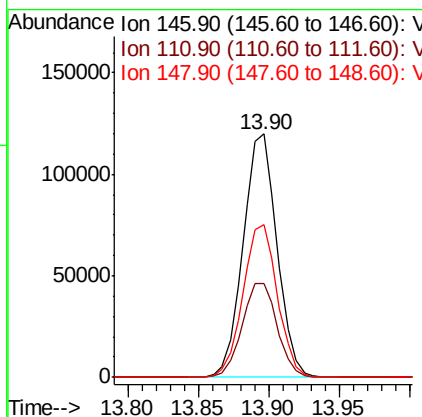
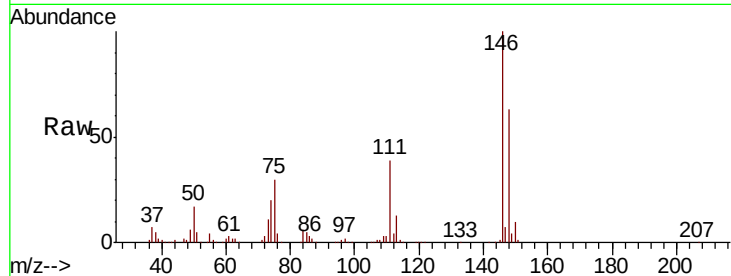




#91  
 1,2-Dichlorobenzene  
 Concen: 47.948 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

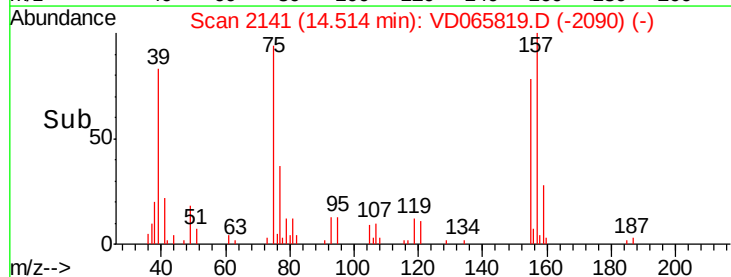
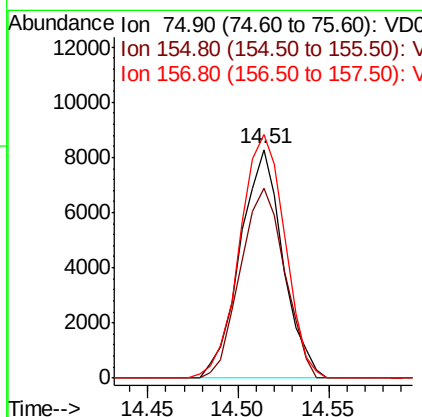
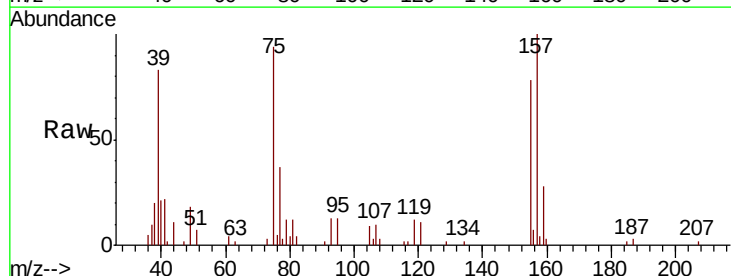
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

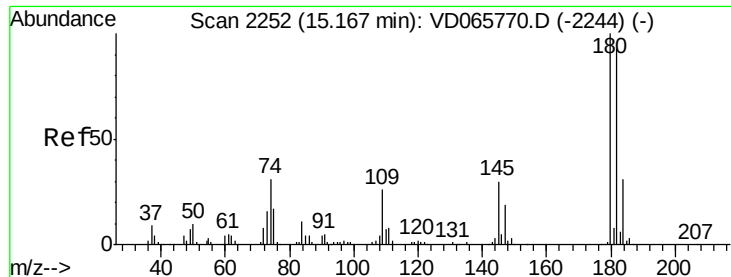
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.9  | 19.8  | 59.4  |
| 148     | 63.6  | 31.9  | 95.7  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 46.162 ug/l  
 RT: 14.51 min Scan# 2141  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 86.1  | 46.3  | 138.9 |
| 157     | 112.5 | 58.1  | 174.3 |

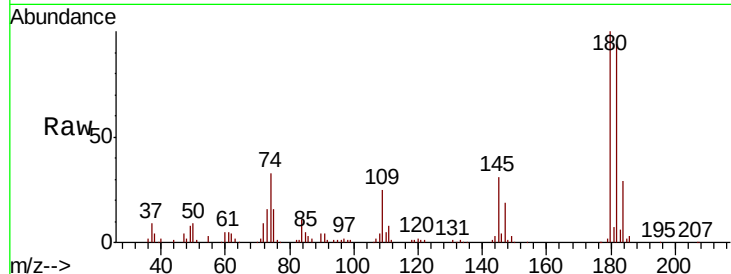




#93  
 1,2,4-Trichlorobenzene  
 Concen: 47.052 ug/l  
 RT: 15.17 min Scan# 2252  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 48.0  | 144.2 |
| 145     | 30.2  | 14.9  | 44.9  |

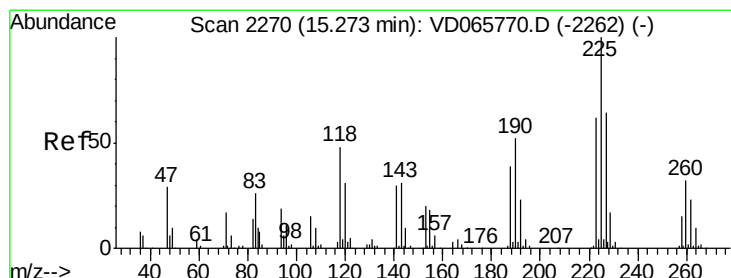
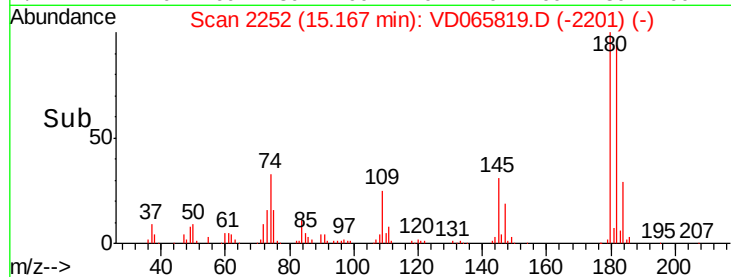
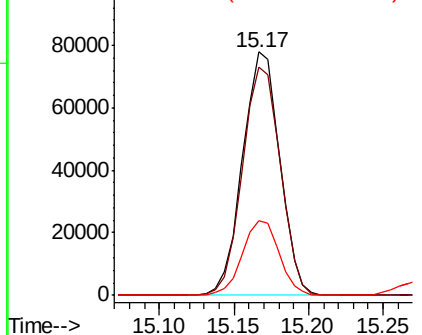


Abundance

Ion 179.80 (179.50 to 180.50): V

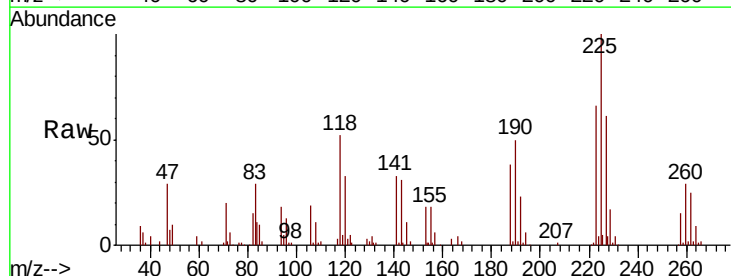
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 42.609 ug/l  
 RT: 15.27 min Scan# 2270  
 Delta R.T. -0.00 min  
 Lab File: VD065819.D  
 Acq: 18 Jun 2020 20:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 65.4  | 30.9  | 92.7  |
| 227     | 63.5  | 31.9  | 95.7  |

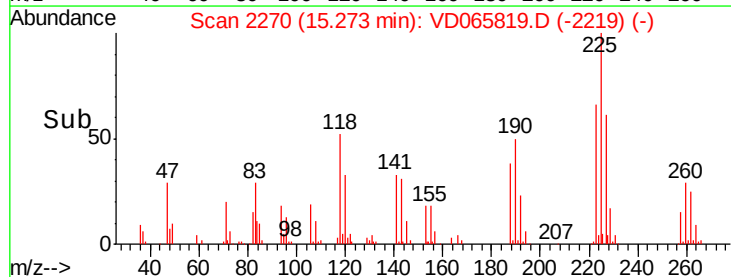
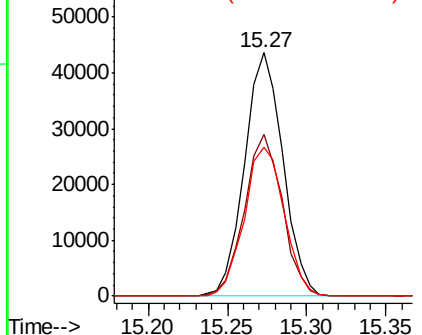


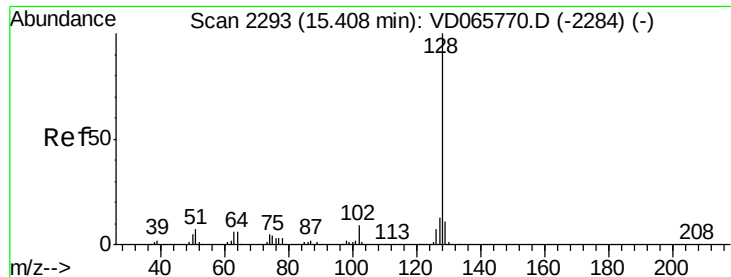
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

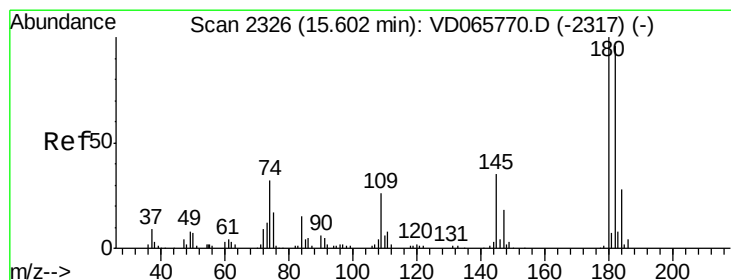
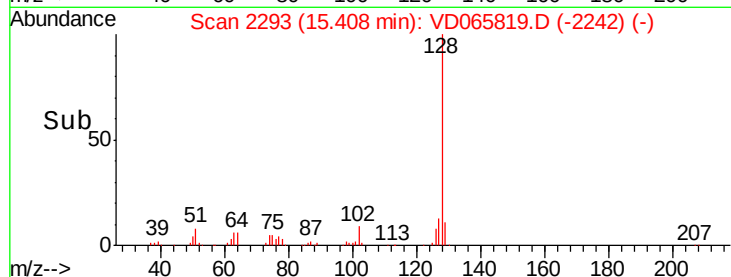
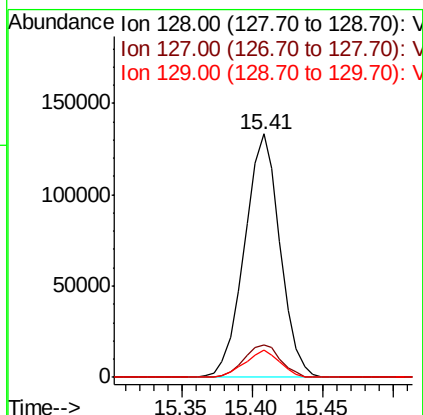
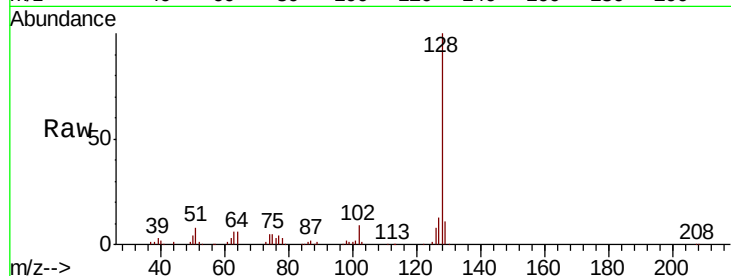




#95  
Naphthalene  
Concen: 48.462 ug/l  
RT: 15.41 min Scan# 2293  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:128 Resp: 234739  
Ion Ratio Lower Upper  
128 100  
127 13.9 10.7 16.1  
129 11.0 8.6 12.8



#96  
1,2,3-Trichlorobenzene  
Concen: 46.688 ug/l  
RT: 15.60 min Scan# 2326  
Delta R.T. -0.00 min  
Lab File: VD065819.D  
Acq: 18 Jun 2020 20:09

Tgt Ion:180 Resp: 114985  
Ion Ratio Lower Upper  
180 100  
182 93.3 47.0 141.2  
145 32.5 16.2 48.6

