

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030220\  
 Data File : VD065369.D  
 Acq On : 02 Mar 2020 10:04  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 3/3/2020 11:12:00 AM

Quant Time: Mar 02 12:04:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D021820S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:26:54 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 467406   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 664078   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 597185   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 296869   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 190808   | 45.38 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.76%  |          |
| 35) Dibromofluoromethane    | 7.92  | 113  | 207144   | 51.16 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.32% |          |
| 50) Toluene-d8              | 10.34 | 98   | 822042   | 53.11 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.22% |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 265797   | 54.20 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.40% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85   | 193267   | 49.299  | ug/l  | 98     |
| 3) Chloromethane              | 2.21 | 50   | 224487   | 44.989  | ug/l  | 100    |
| 4) Vinyl Chloride             | 2.36 | 62   | 229654   | 45.261  | ug/l  | 97     |
| 5) Bromomethane               | 2.77 | 94   | 139170   | 45.364  | ug/l  | 95     |
| 6) Chloroethane               | 2.93 | 64   | 143562   | 46.352  | ug/l  | 98     |
| 7) Trichlorofluoromethane     | 3.28 | 101  | 353901   | 48.717  | ug/l  | 98     |
| 8) Diethyl Ether              | 3.71 | 74   | 99459    | 45.357  | ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101  | 226449   | 49.362  | ug/l  | 98     |
| 10) Methyl Iodide             | 4.30 | 142  | 239192   | 50.217  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 5.24 | 59   | 48963    | 194.867 | ug/l  | 97     |
| 12) 1,1-Dichloroethene        | 4.06 | 96   | 208306   | 48.068  | ug/l  | 94     |
| 13) Acrolein                  | 3.93 | 56   | 69088    | 221.089 | ug/l  | 99     |
| 14) Allyl chloride            | 4.71 | 41   | 327042   | 46.473  | ug/l  | 98     |
| 15) Acrylonitrile             | 5.43 | 53   | 209952   | 216.263 | ug/l  | 100    |
| 16) Acetone                   | 4.16 | 43   | 271562   | 264.200 | ug/l  | 99     |
| 17) Carbon Disulfide          | 4.40 | 76   | 660294   | 45.447  | ug/l  | 99     |
| 18) Methyl Acetate            | 4.72 | 43   | 96466    | 41.729  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 5.49 | 73   | 404718   | 44.785  | ug/l  | 98     |
| 20) Methylene Chloride        | 4.96 | 84   | 231355   | 50.617  | ug/l  | 93     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96   | 236554   | 48.017  | ug/l  | 98     |
| 22) Diisopropyl ether         | 6.37 | 45   | 643115   | 47.405  | ug/l  | 99     |
| 23) Vinyl Acetate             | 6.31 | 43   | 1719918  | 229.965 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 6.27 | 63   | 397414   | 47.229  | ug/l  | 98     |
| 25) 2-Butanone                | 7.22 | 43   | 291572   | 224.205 | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 7.21 | 77   | 360235   | 49.341  | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96   | 250887   | 48.078  | ug/l  | 99     |
| 28) Bromochloromethane        | 7.55 | 49   | 156704   | 50.196  | ug/l  | 99     |
| 29) Tetrahydrofuran           | 7.57 | 42   | 161697   | 212.207 | ug/l  | 99     |
| 30) Chloroform                | 7.71 | 83   | 401886   | 47.406  | ug/l  | 100    |
| 31) Cyclohexane               | 7.98 | 56   | 381775   | 46.177  | ug/l  | 98     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97   | 373042   | 49.182  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 8.11 | 75   | 330519   | 51.152  | ug/l  | 99     |
| 37) Ethyl Acetate             | 7.30 | 43   | 113764   | 42.116  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 8.10 | 117  | 346000   | 52.602  | ug/l  | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030220\  
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 Acq On : 02 Mar 2020 10:04  
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 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 3/3/2020 11:12:00 AM

Quant Time: Mar 02 12:04:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D021820S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 19 03:26:54 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 404878   | 53.299  | ug/l   | 97       |
| 40) Benzene                    | 8.36  | 78   | 927100   | 50.833  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.53  | 41   | 57690    | 36.989  | ug/l   | 88       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 235584   | 46.986  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 213204   | 43.404  | ug/l   | 97       |
| 44) Trichloroethene            | 9.11  | 130  | 261423   | 51.710  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 225040   | 49.622  | ug/l   | 99       |
| 46) Dibromomethane             | 9.48  | 93   | 113286   | 48.550  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.67  | 83   | 304427   | 49.506  | ug/l   | 95       |
| 48) Methyl methacrylate        | 9.46  | 41   | 101823   | 44.846  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 25391    | 927.790 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 566482   | 227.056 | ug/l   | 100      |
| 52) Toluene                    | 10.41 | 92   | 596779   | 52.863  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 279133   | 48.972  | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene    | 10.10 | 75   | 345137   | 50.145  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.81 | 97   | 161756   | 49.252  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 185727   | 48.995  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 276267   | 49.424  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.95  | 63   | 281410   | 235.466 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.99 | 43   | 465028   | 260.381 | ug/l   | 96       |
| 60) Dibromochloromethane       | 11.14 | 129  | 208474   | 49.594  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 148316   | 47.696  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.88 | 164  | 226501   | 53.478  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.67 | 112  | 621090   | 51.827  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 228169   | 51.020  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.75 | 91   | 1128925  | 53.787  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.86 | 106  | 869586   | 108.291 | ug/l   | 98       |
| 69) o-Xylene                   | 12.18 | 106  | 383837   | 53.953  | ug/l   | 99       |
| 70) Styrene                    | 12.20 | 104  | 682911   | 54.066  | ug/l   | 99       |
| 71) Bromoform                  | 12.37 | 173  | 121853   | 49.103  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.48 | 105  | 1077782  | 54.837  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.30 | 43   | 195937   | 44.865  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 164739   | 46.443  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 112513m  | 44.545  | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 248396   | 50.896  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.83 | 91   | 1293607  | 54.770  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 697125   | 52.687  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 885375   | 54.694  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 53103    | 45.394  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 727801   | 51.812  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 748933   | 55.201  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.28 | 105  | 879612   | 54.288  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.41 | 105  | 1073199  | 54.896  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 986713   | 55.191  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 483054   | 51.198  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 477380   | 51.266  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.86 | 91   | 924562   | 56.121  | ug/l   | 100      |
| 90) Hexachloroethane           | 14.12 | 117  | 193105   | 53.195  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 411611   | 50.809  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 24869    | 45.495  | ug/l   | 94       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030220\  
Data File : VD065369.D  
Acq On : 02 Mar 2020 10:04  
Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

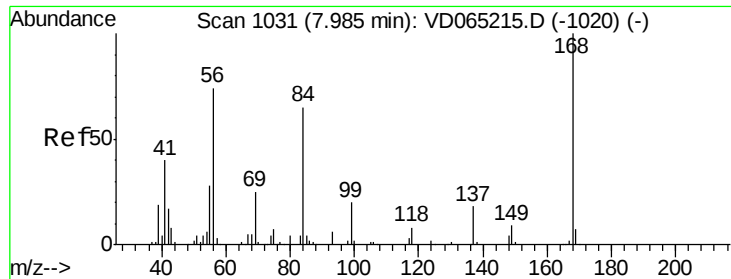
MMDadoda  
3/3/2020 11:12:00 AM

Quant Time: Mar 02 12:04:02 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D021820S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 19 03:26:54 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 286415   | 54.050 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 186885   | 54.978 | ug/l  | 99       |
| 95) Naphthalene            | 15.41 | 128  | 439254   | 50.989 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 241023   | 52.078 | ug/l  | 98       |

(#) = 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: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 467406

Ion Ratio Lower Upper

168 100

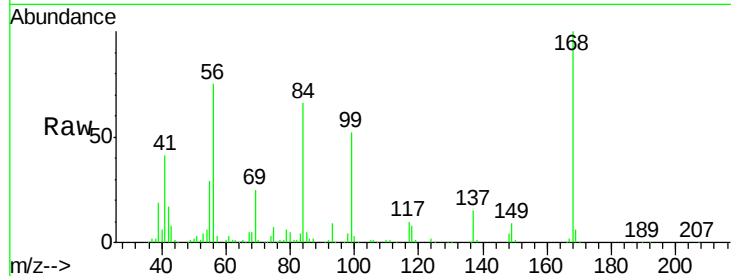
99 51.3 41.4 62.2

Manual Integrations

APPROVED

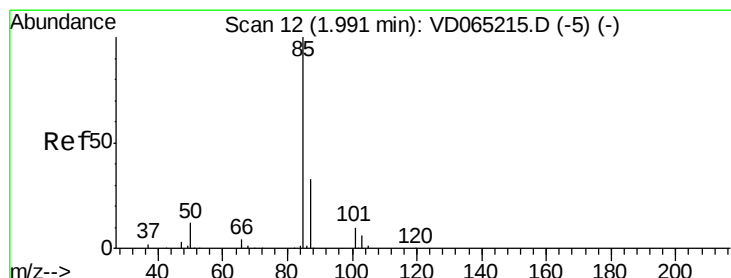
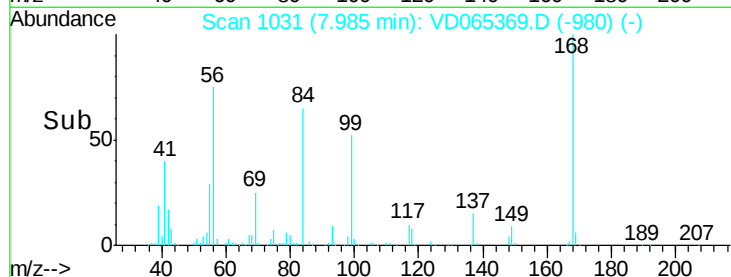
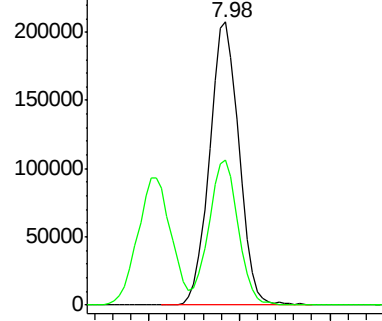
MMDadoda

3/3/2020 11:12:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 49.299 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065369.D

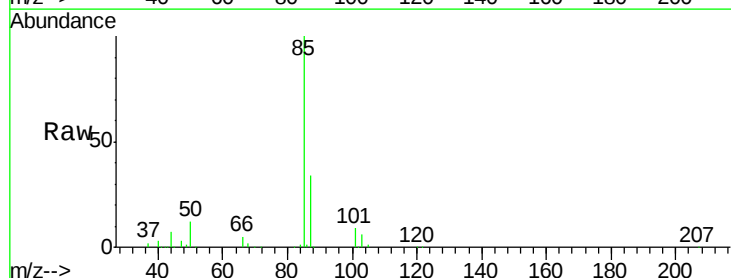
Acq: 02 Mar 2020 10:04

Tgt Ion: 85 Resp: 193267

Ion Ratio Lower Upper

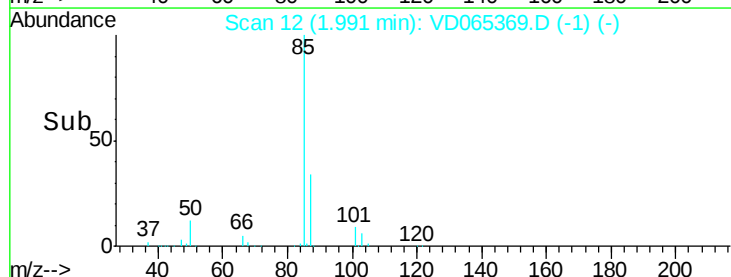
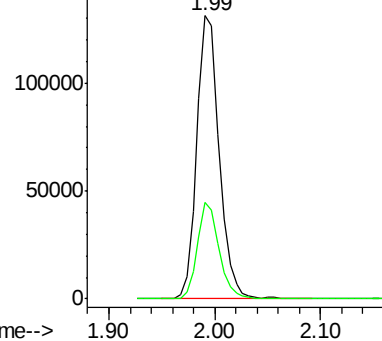
85 100

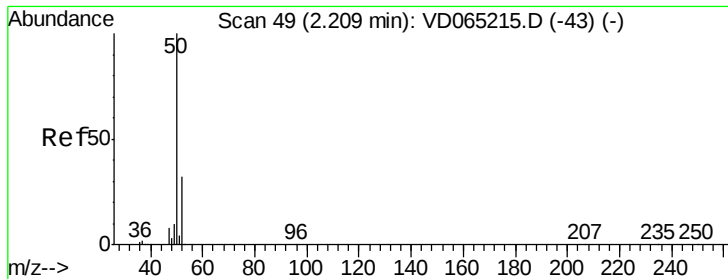
87 33.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.989 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 224487

Ion Ratio Lower Upper

50 100

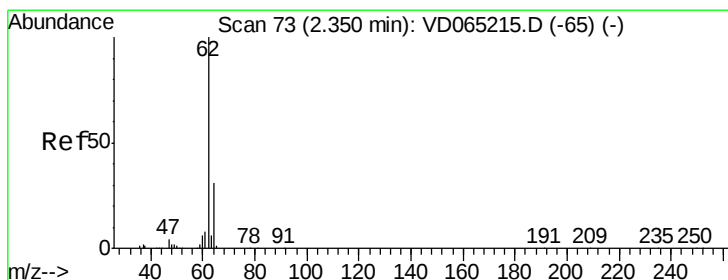
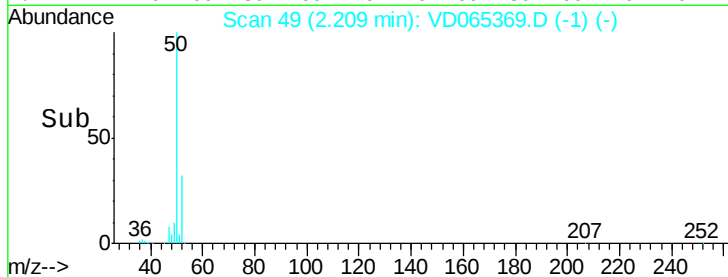
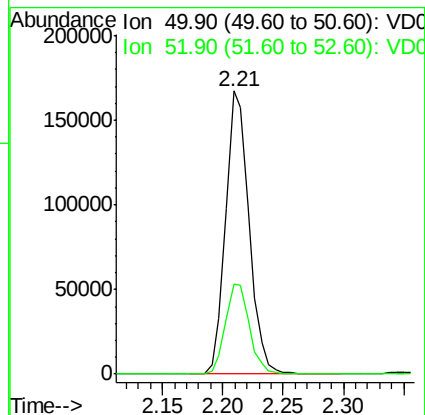
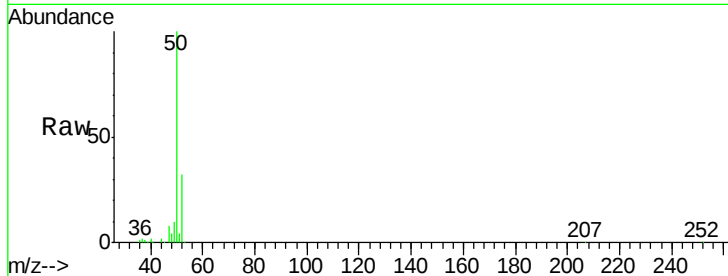
52 31.9 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

3/3/2020 11:12:00 AM



#4

Vinyl Chloride

Concen: 45.261 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065369.D

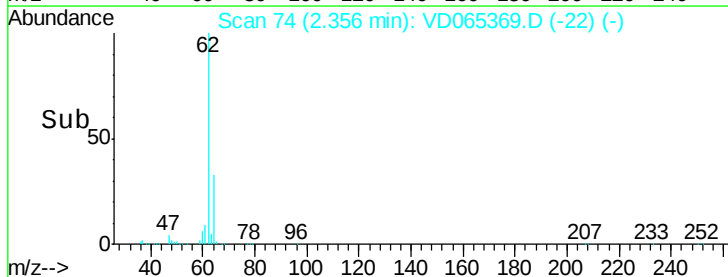
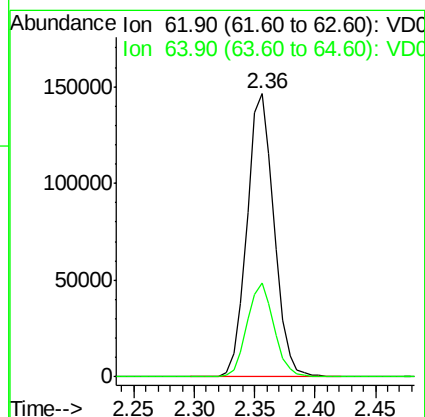
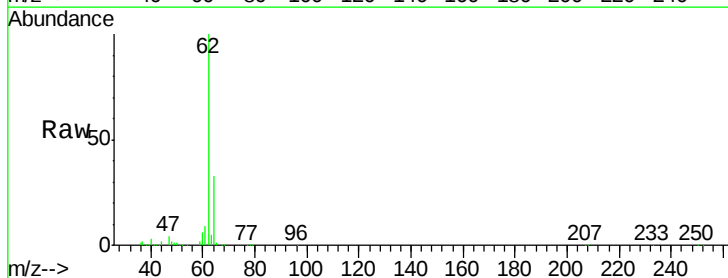
Acq: 02 Mar 2020 10:04

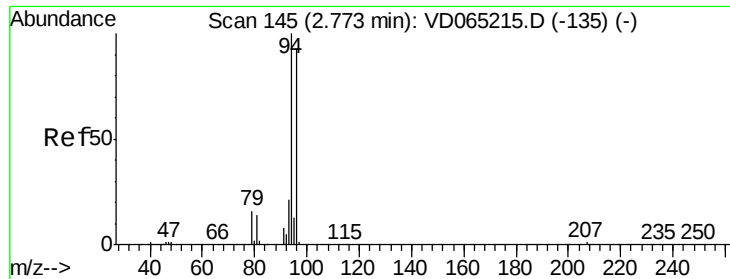
Tgt Ion: 62 Resp: 229654

Ion Ratio Lower Upper

62 100

64 33.0 25.0 37.6





#5

Bromomethane

Concen: 45.364 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 139170

Ion Ratio Lower Upper

94 100

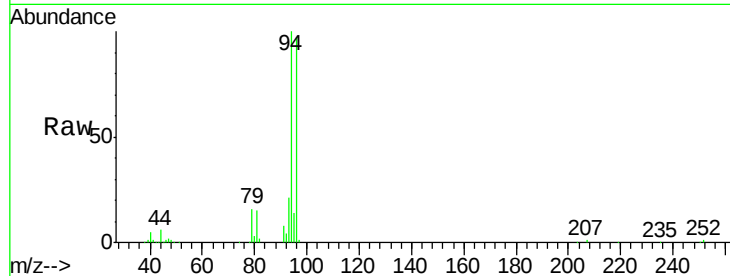
96 97.2 74.2 111.4

Manual Integrations

APPROVED

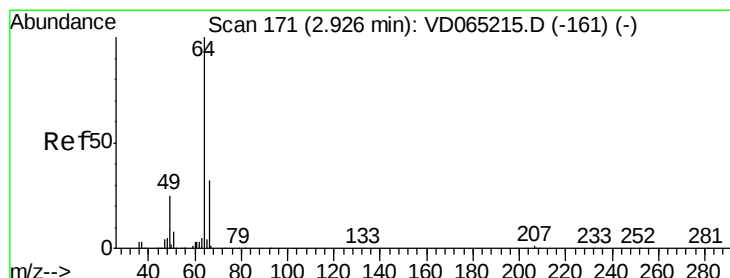
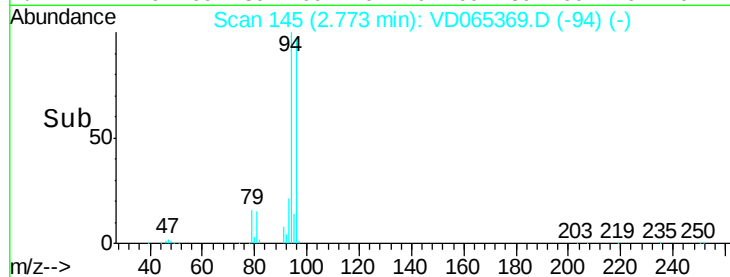
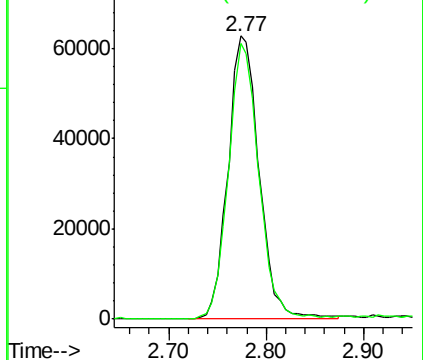
MMDadoda

3/3/2020 11:12:00 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.352 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065369.D

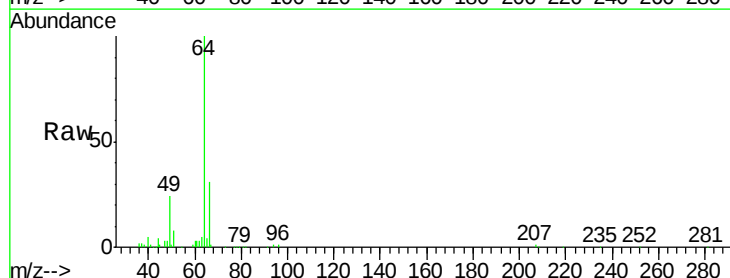
Acq: 02 Mar 2020 10:04

Tgt Ion: 64 Resp: 143562

Ion Ratio Lower Upper

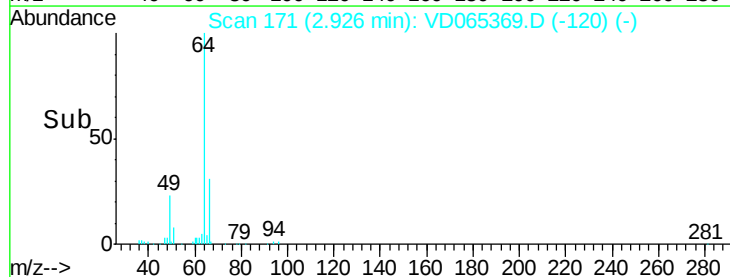
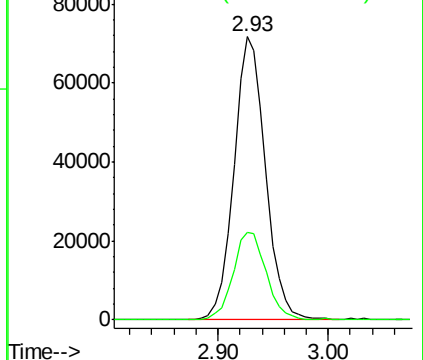
64 100

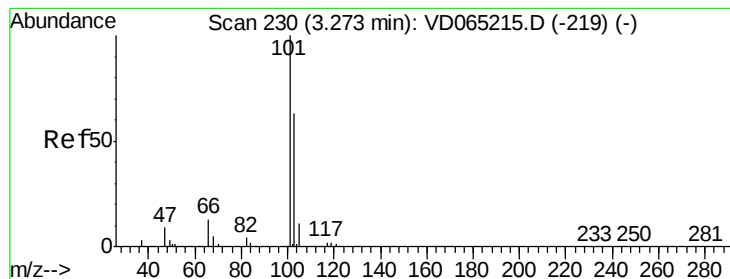
66 31.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

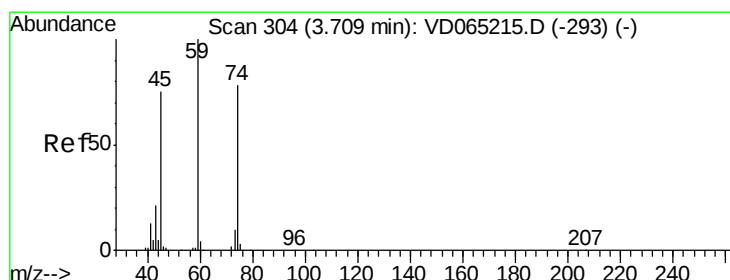
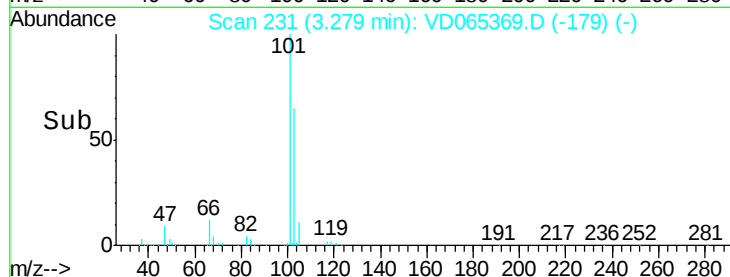
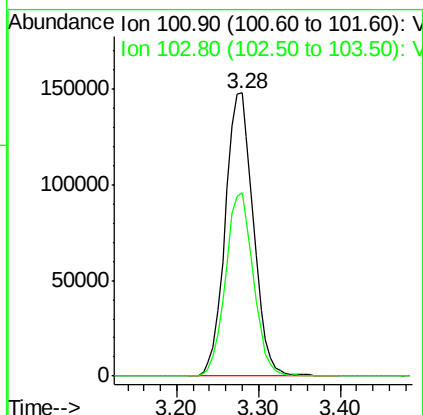
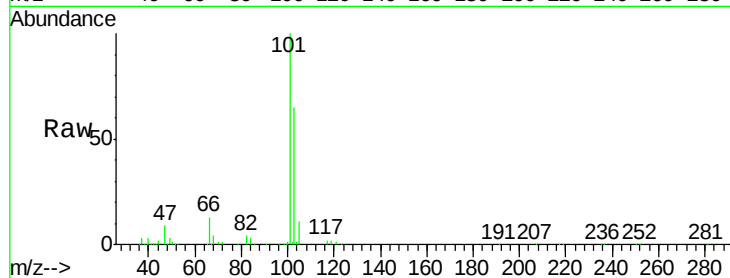
Trichlorofluoromethane  
 Concen: 48.717 ug/l  
 RT: 3.28 min Scan# 231  
 Delta R.T. 0.01 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.7  | 50.7  | 76.1  |

Manual Integrations  
 APPROVED

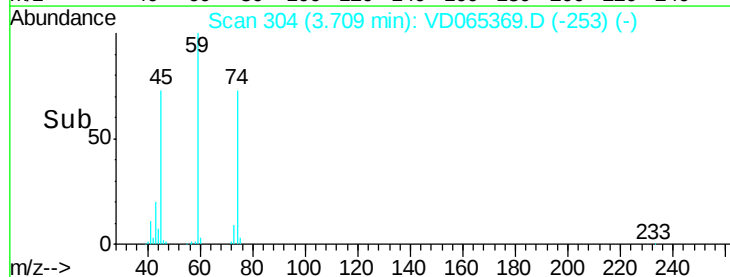
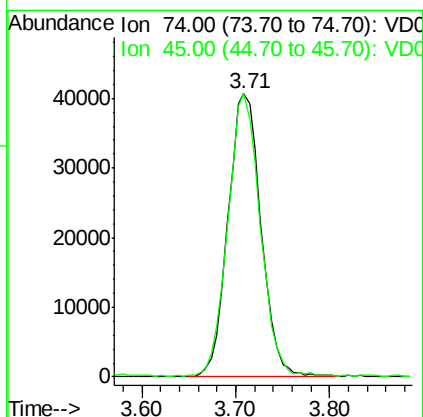
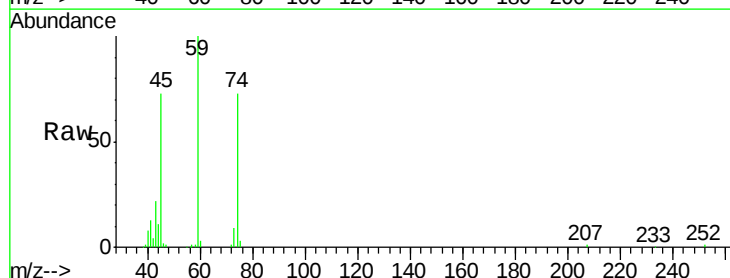
MMDadoda  
 3/3/2020 11:12:00 AM

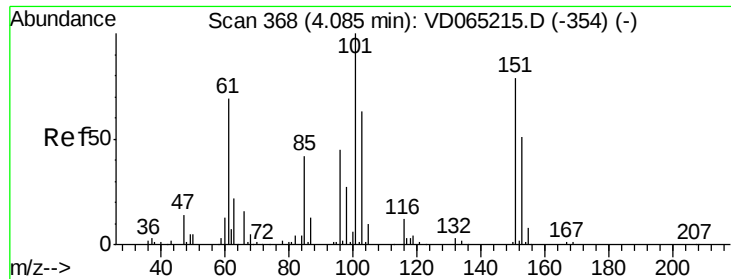


#8

Diethyl Ether  
 Concen: 45.357 ug/l  
 RT: 3.71 min Scan# 304  
 Delta R.T. 0.00 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 98.5  | 50.0  | 149.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.362 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

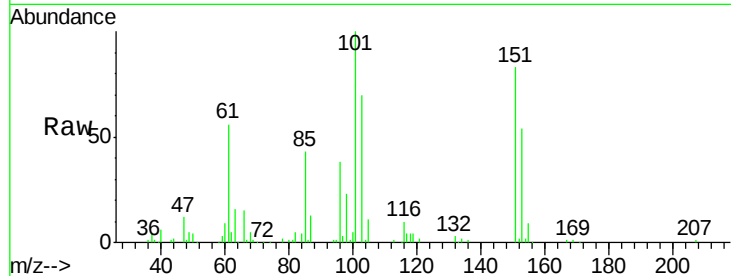
ClientSampleId :

VSTDCCC050

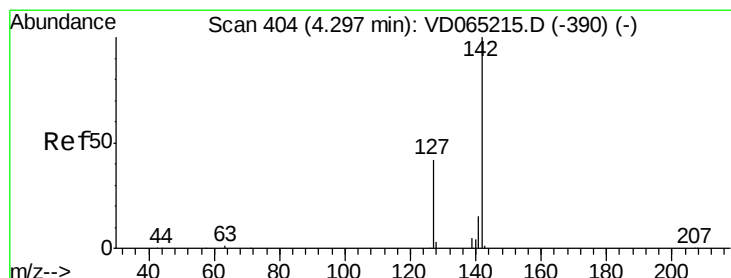
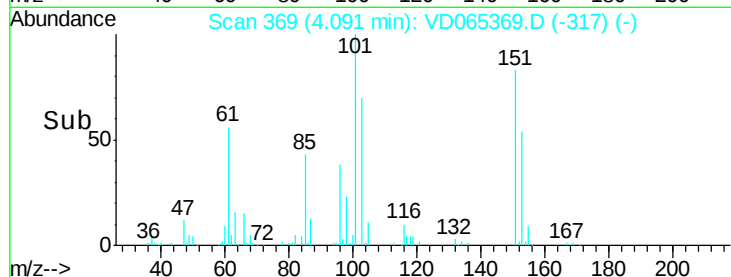
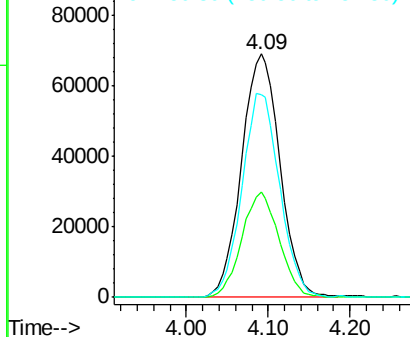
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 226449 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.0  | 34.2  | 51.2   |
| 151       | 81.9  | 63.5  | 95.3   |

Manual Integrations  
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MMDadoda  
3/3/2020 11:12:00 AM



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: 50.217 ug/l

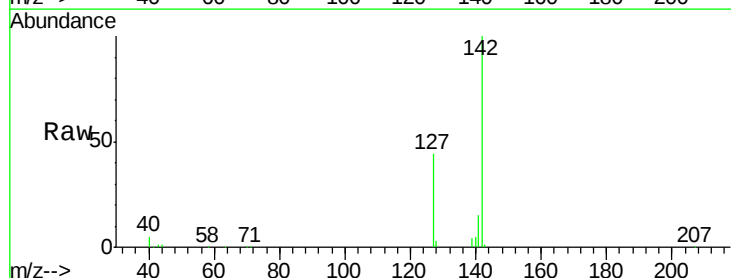
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

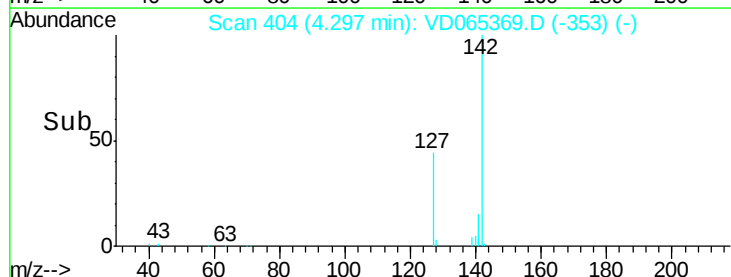
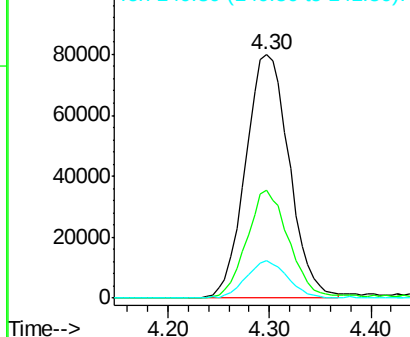
Lab File: VD065369.D

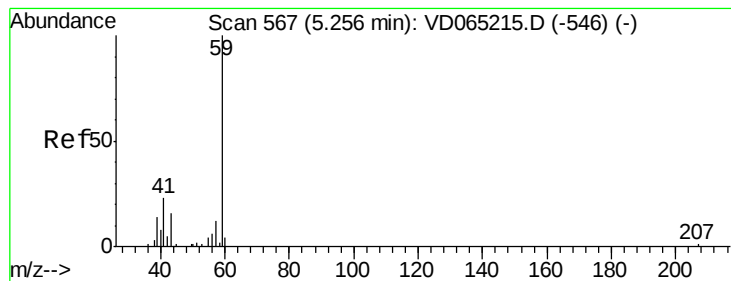
Acq: 02 Mar 2020 10:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 239192 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 43.2  | 33.8  | 50.8   |
| 141       | 14.6  | 11.7  | 17.5   |



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

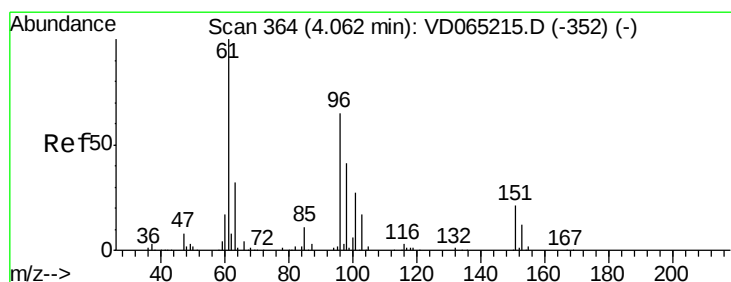
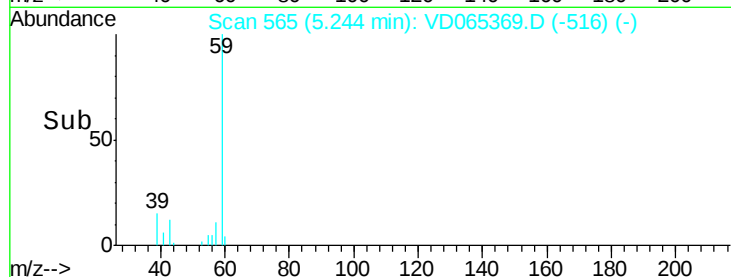
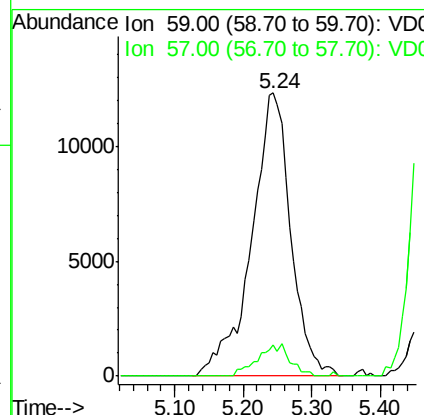
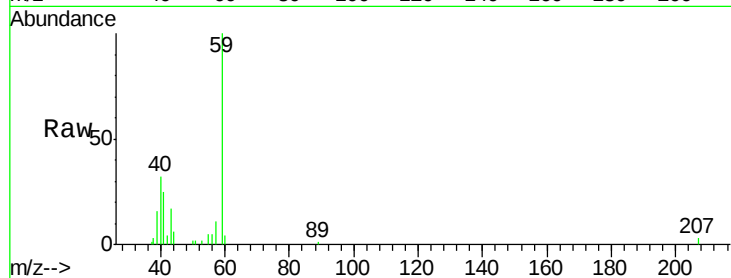
Tert butyl alcohol  
Concen: 194.867 ug/l  
RT: 5.24 min Scan# 565  
Delta R.T. -0.01 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.3   | 8.4   | 12.6  |

Manual Integrations  
APPROVED

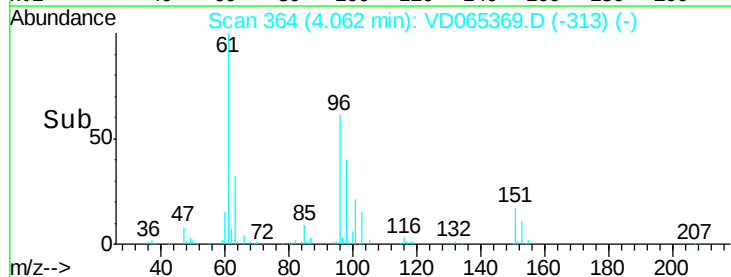
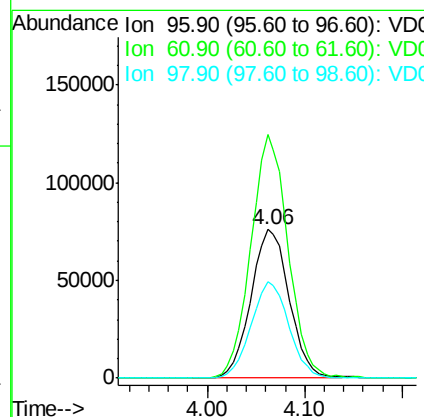
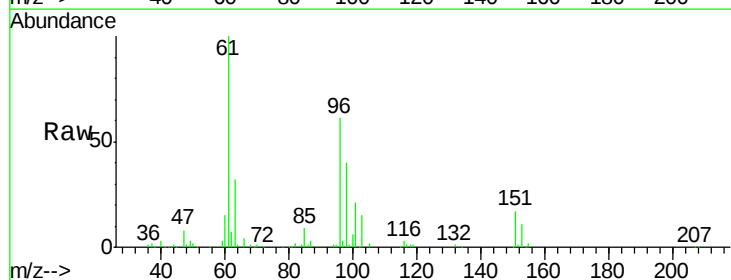
MMDadoda  
3/3/2020 11:12:00 AM



#12

1,1-Dichloroethene  
Concen: 48.068 ug/l  
RT: 4.06 min Scan# 364  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 163.6 | 123.3 | 184.9 |
| 98      | 64.7  | 51.0  | 76.4  |





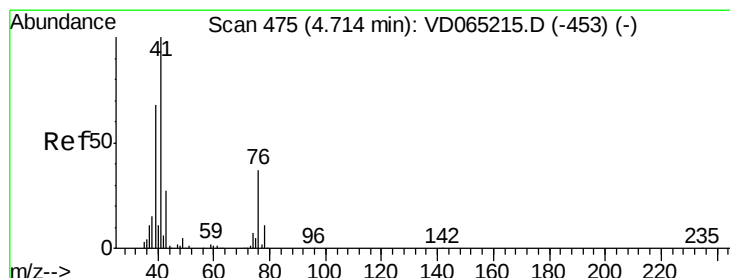
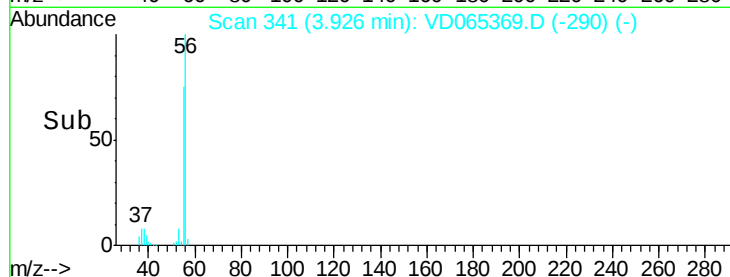
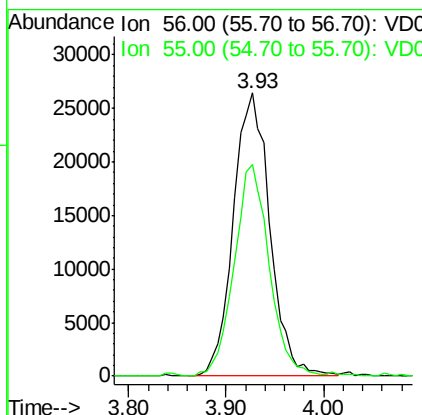
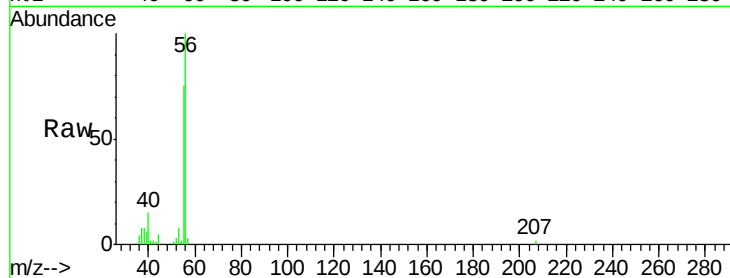
#13  
Acrolein  
Concen: 221.089 ug/l  
RT: 3.93 min Scan# 341  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 56   | Resp  | 69088 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 55        | 71.7 | 56.6  | 85.0  |

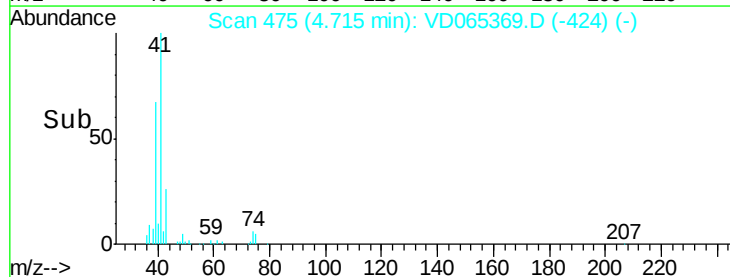
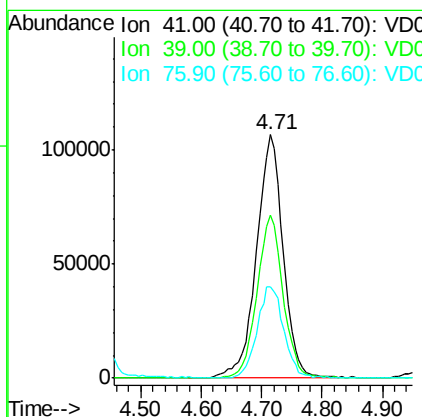
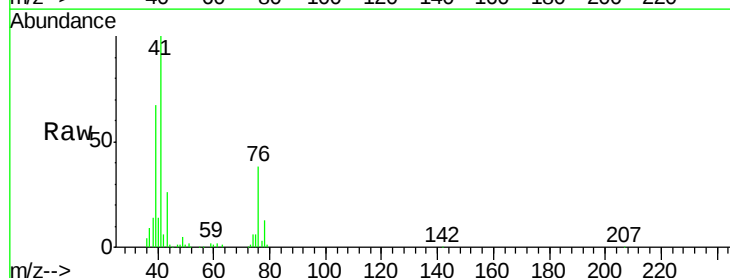
Manual Integrations  
APPROVED

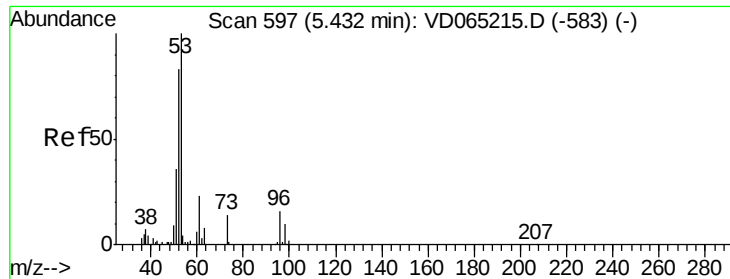
MMDadoda  
3/3/2020 11:12:00 AM



#14  
Allyl chloride  
Concen: 46.473 ug/l  
RT: 4.71 min Scan# 475  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

| Tgt Ion   | 41   | Resp  | 327042 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 39        | 65.7 | 53.8  | 80.6   |
| 76        | 37.0 | 28.7  | 43.1   |





#15

Acrylonitrile

Concen: 216.263 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

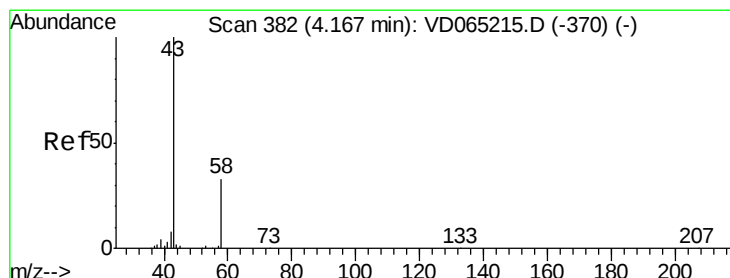
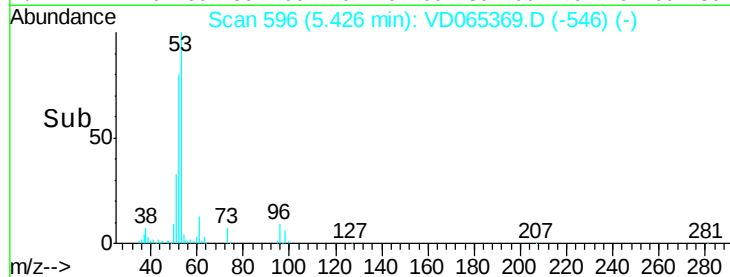
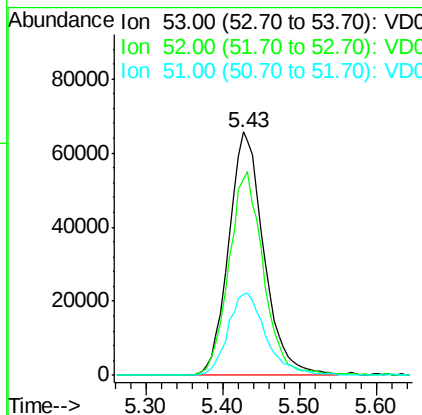
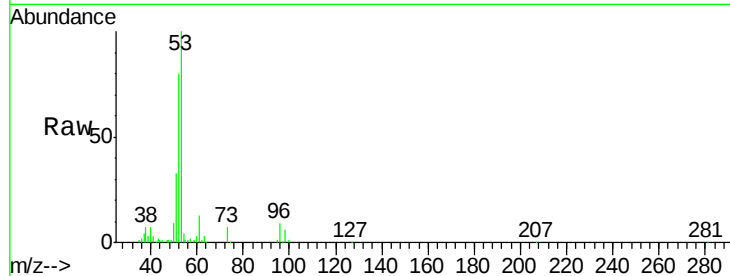
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 209952 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.8  | 65.4  | 98.2   |
| 51        | 36.4  | 29.5  | 44.3   |

Manual Integrations  
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MMDadoda  
3/3/2020 11:12:00 AM



#16

Acetone

Concen: 264.200 ug/l

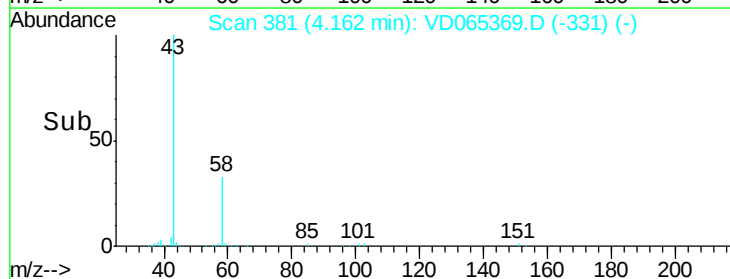
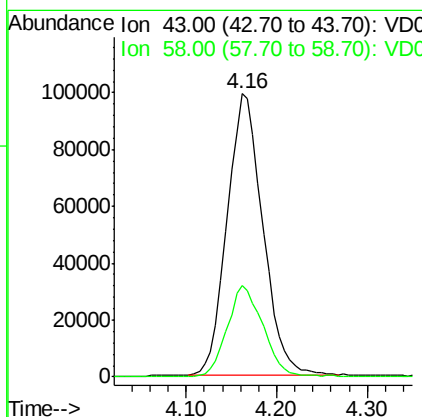
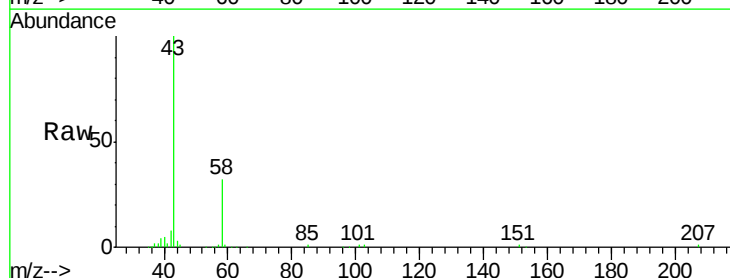
RT: 4.16 min Scan# 381

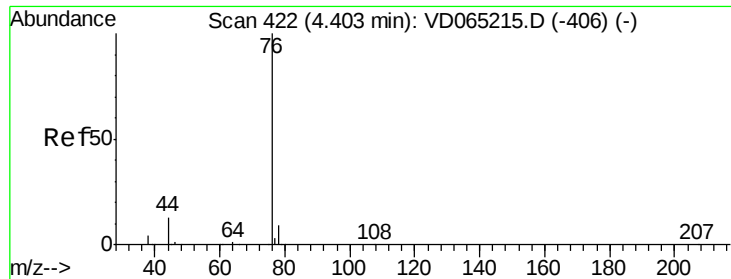
Delta R.T. -0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 271562 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 32.3  | 26.2  | 39.2   |





#17

Carbon Disulfide

Concen: 45.447 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 660294

Ion Ratio Lower Upper

76 100

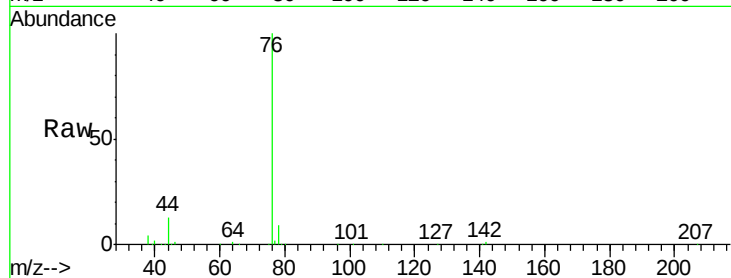
78 9.3 7.0 10.6

Manual Integrations

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MMDadoda

3/3/2020 11:12:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

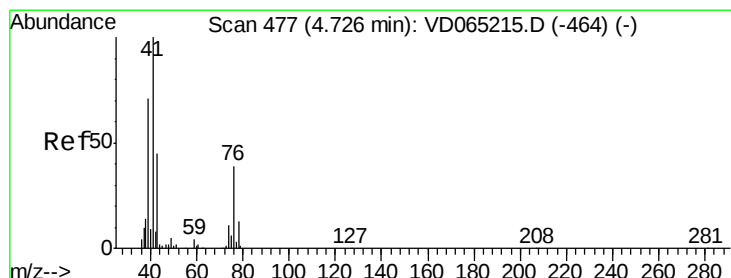
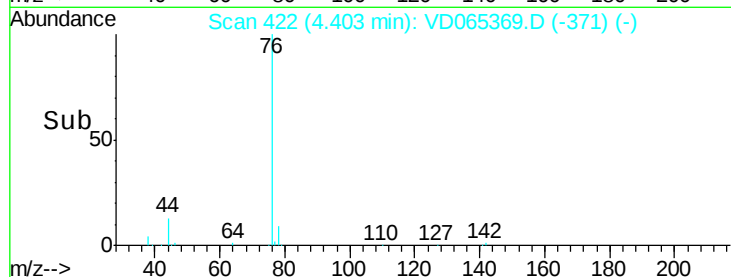
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 41.729 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065369.D

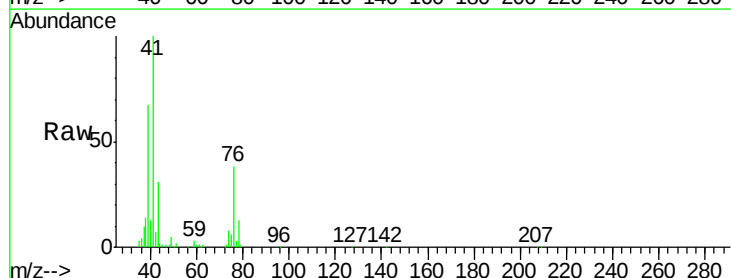
Acq: 02 Mar 2020 10:04

Tgt Ion: 43 Resp: 96466

Ion Ratio Lower Upper

43 100

74 23.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

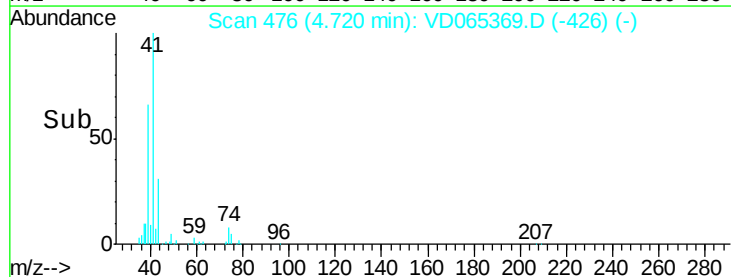
30000

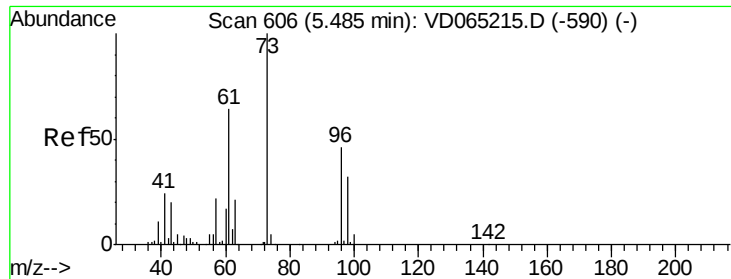
20000

10000

0

Time-->





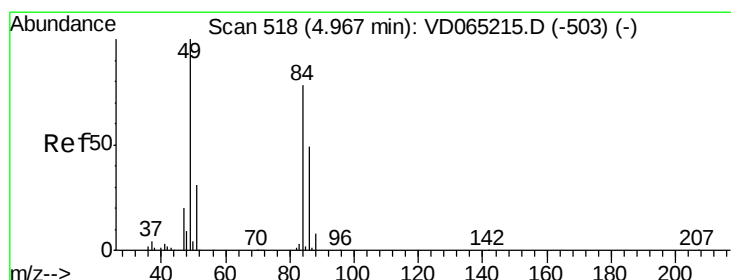
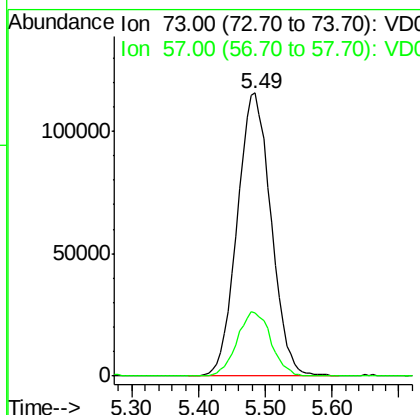
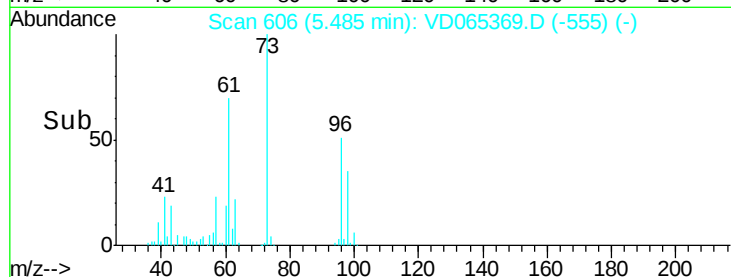
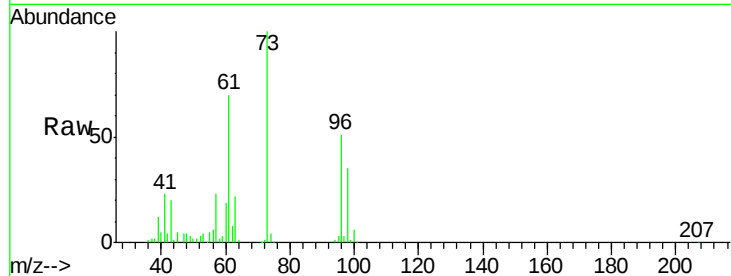
#19  
Methvl tert-butvl Ether  
Concen: 44.785 ug/l  
RT: 5.49 min Scan# 606  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 404718  
Ion Ratio Lower Upper  
73 100  
57 22.6 17.3 25.9

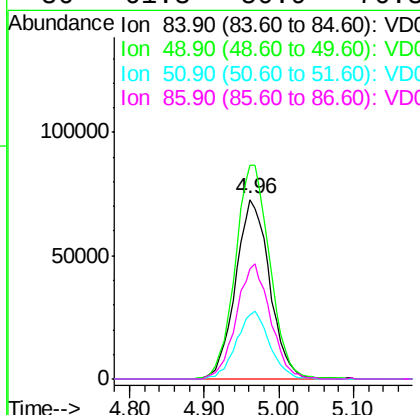
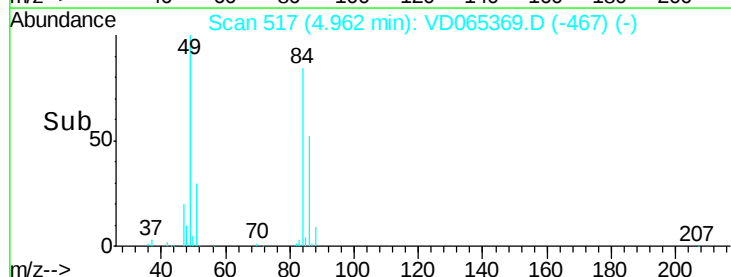
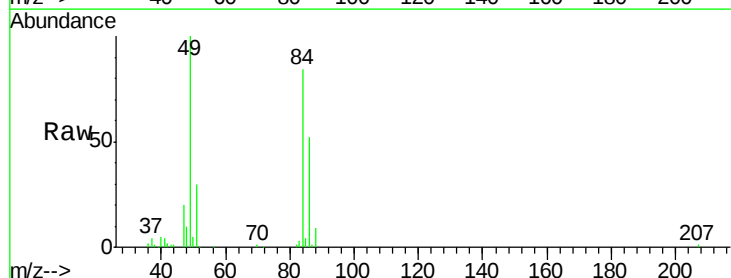
Manual Integrations  
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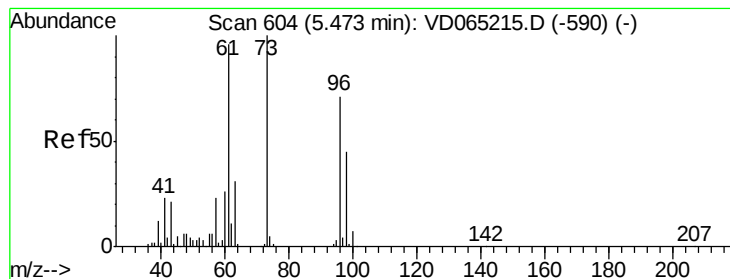
MMDadoda  
3/3/2020 11:12:00 AM



#20  
Methylene Chloride  
Concen: 50.617 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. -0.01 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Tgt Ion: 84 Resp: 231355  
Ion Ratio Lower Upper  
84 100  
49 118.9 103.1 154.7  
51 36.0 31.7 47.5  
86 61.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 48.017 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 236554

Ion Ratio Lower Upper

96 100

61 132.5 108.3 162.5

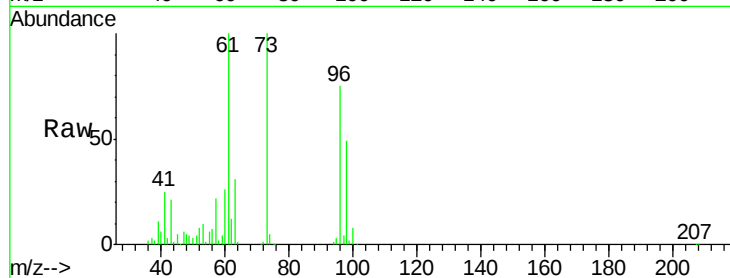
98 64.8 50.7 76.1

Manual Integrations

APPROVED

MMDadoda

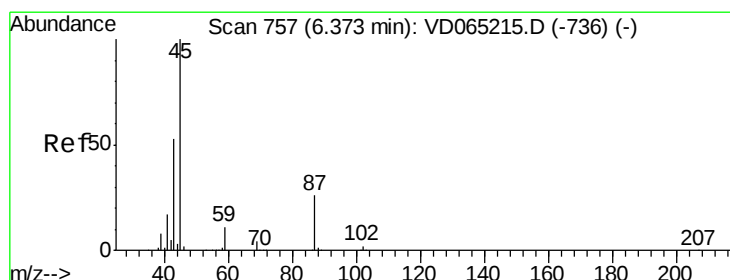
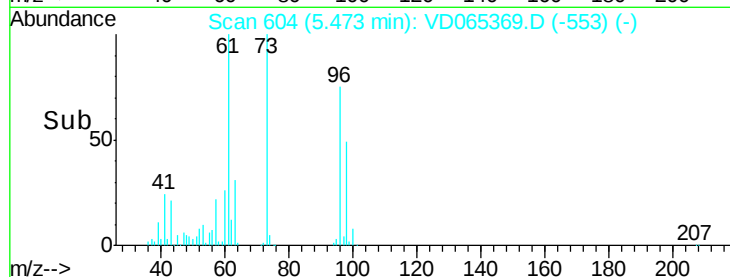
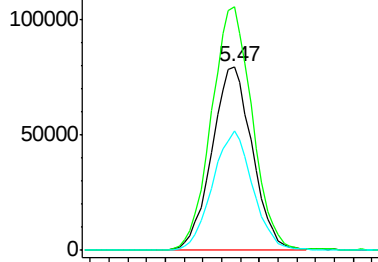
3/3/2020 11:12:00 AM



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: 47.405 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Tgt Ion: 45 Resp: 643115

Ion Ratio Lower Upper

45 100

43 52.2 42.6 64.0

87 26.0 21.2 31.8

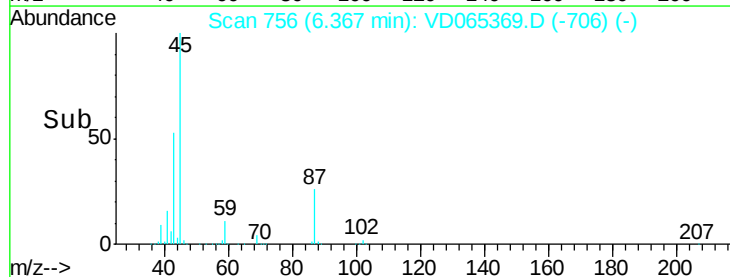
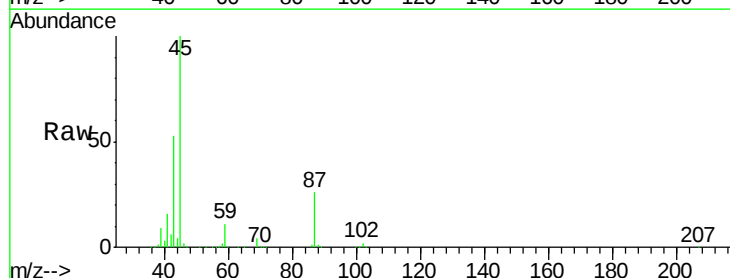
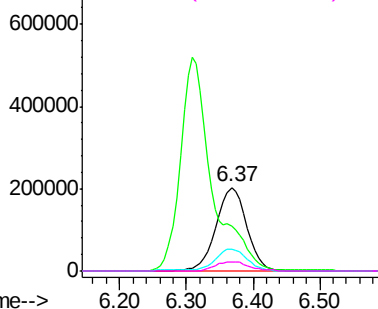
59 10.6 8.9 13.3

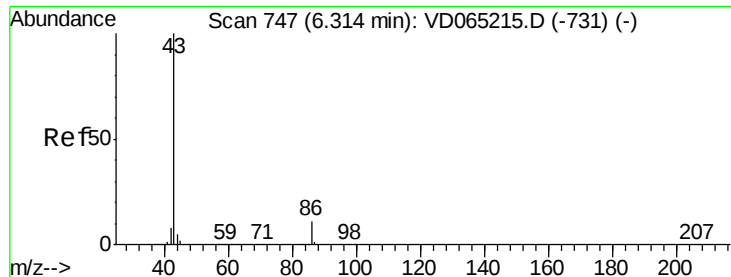
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 229.965 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1719918

Ion Ratio Lower Upper

43 100

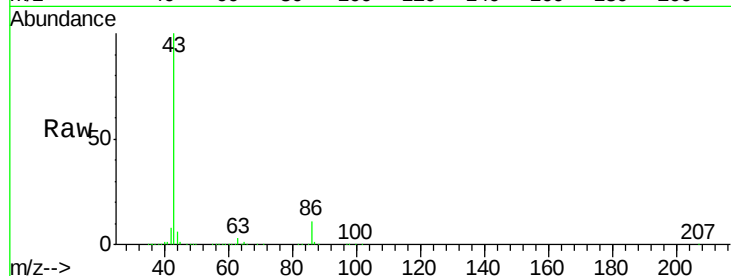
86 10.7 8.6 12.8

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

500000

400000

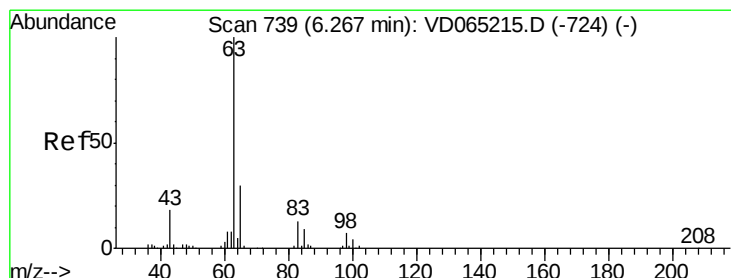
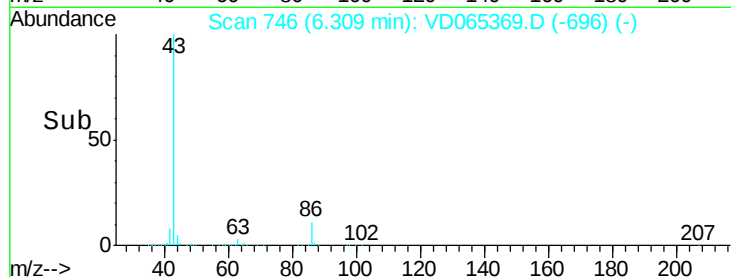
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.229 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

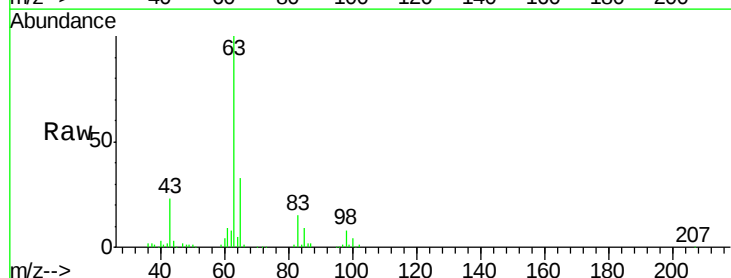
Tgt Ion: 63 Resp: 397414

Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.1

100 4.2 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

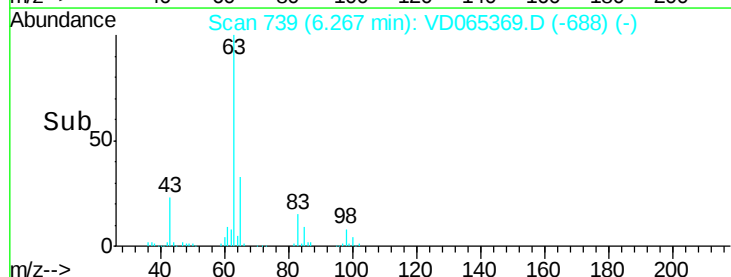
150000

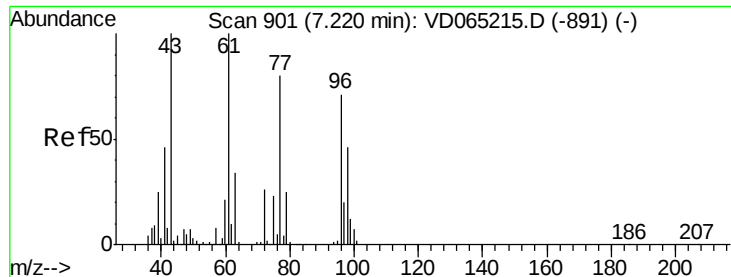
100000

50000

0

Time-->





#25

2-Butanone

Concen: 224.205 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 291572

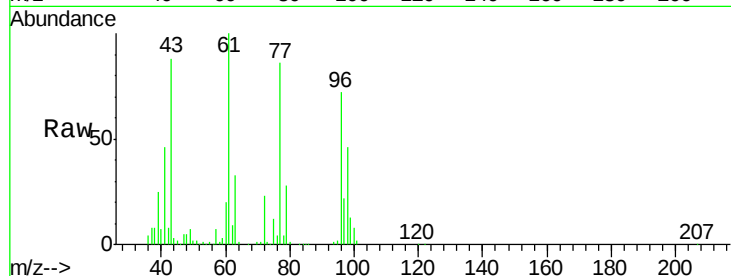
Ion Ratio Lower Upper

43 100

72 26.6 20.9 31.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

120000

100000

80000

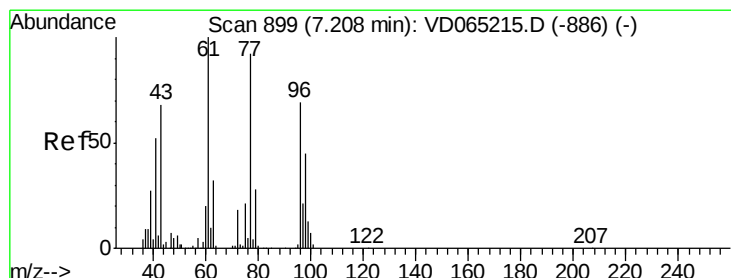
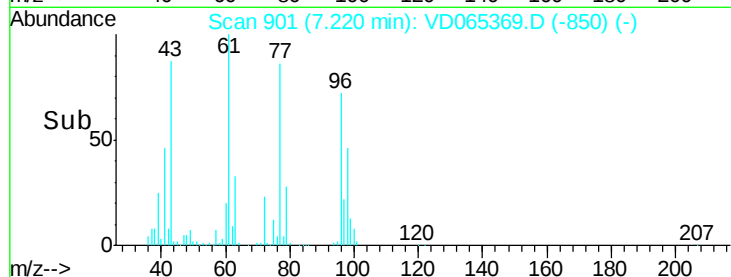
60000

40000

20000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 49.341 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065369.D

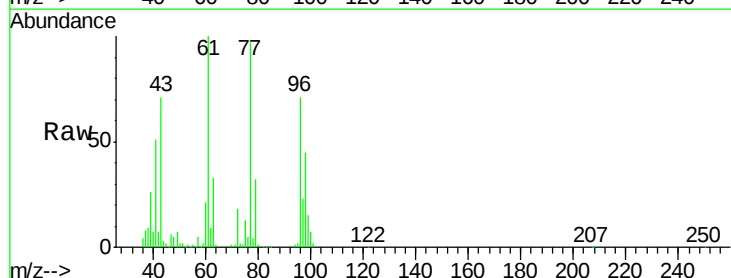
Acq: 02 Mar 2020 10:04

Tgt Ion: 77 Resp: 360235

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

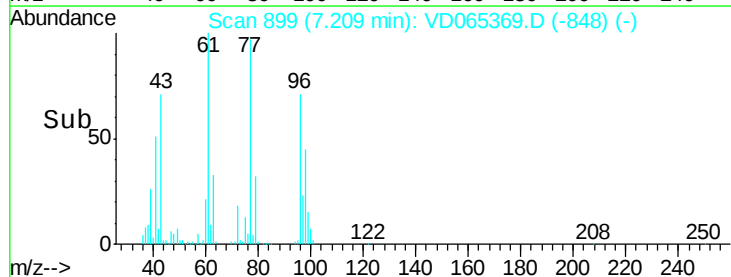
7.21

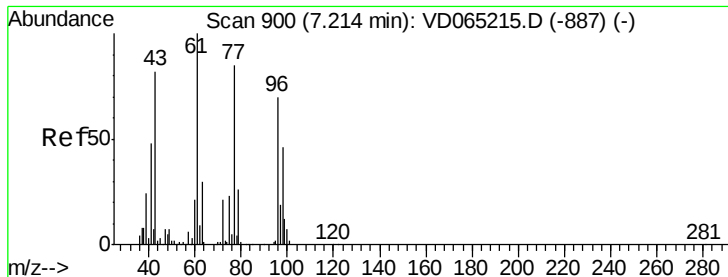
100000

50000

0

Time--> 7.10 7.20 7.30 7.40





#27

cis-1,2-Dichloroethene

Concen: 48.078 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

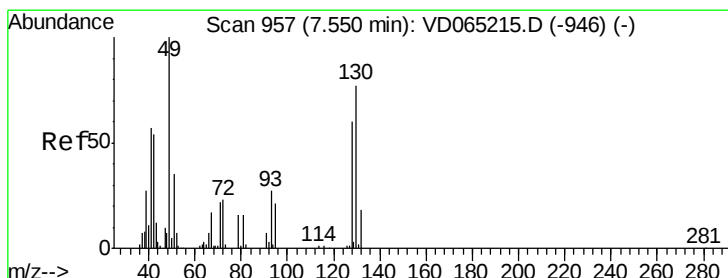
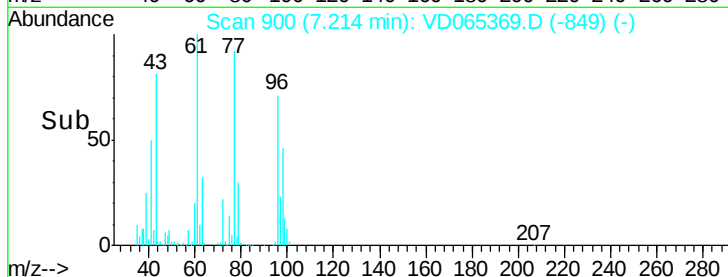
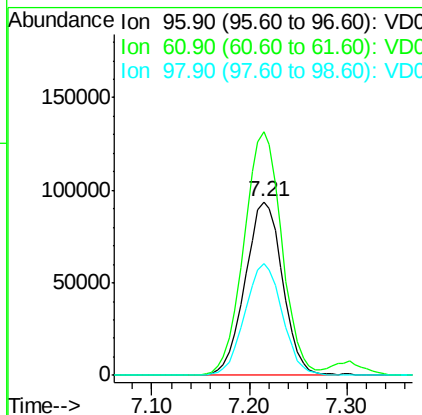
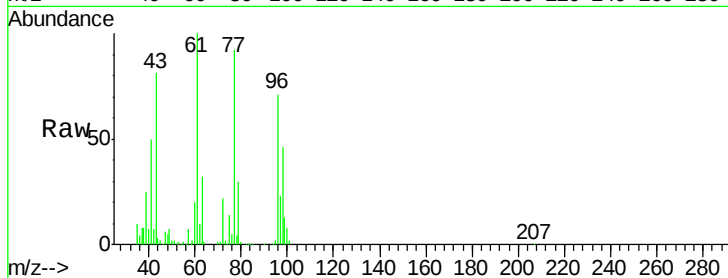
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 250887 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 142.2 | 0.0   | 286.0  |
| 98       | 64.8  | 0.0   | 127.8  |

Manual Integrations  
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3/3/2020 11:12:00 AM



#28

Bromochloromethane

Concen: 50.196 ug/l

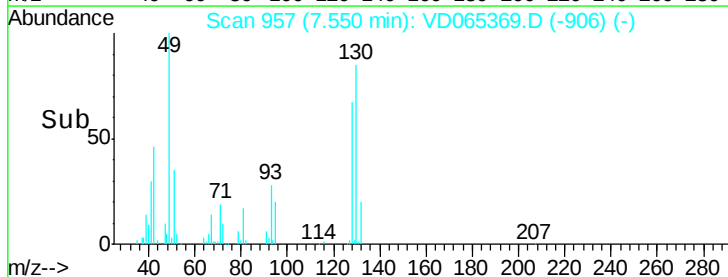
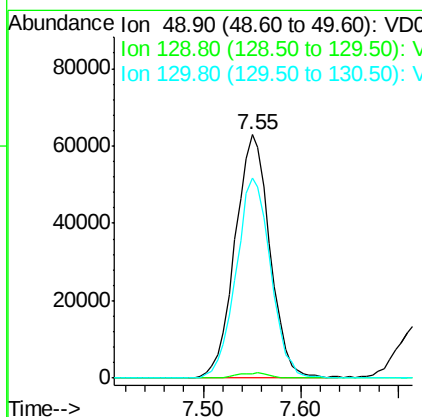
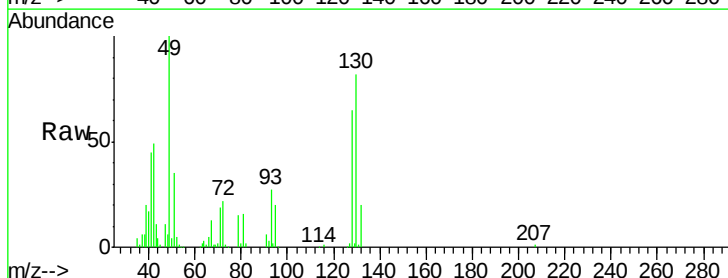
RT: 7.55 min Scan# 957

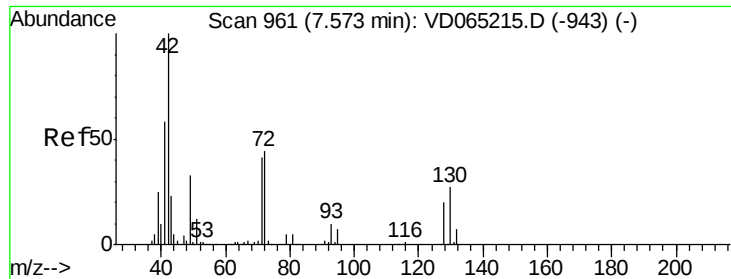
Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 156704 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.1   | 0.0   | 4.6    |
| 130      | 82.0  | 64.7  | 97.1   |





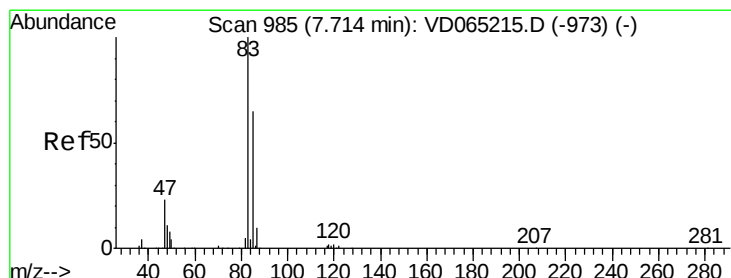
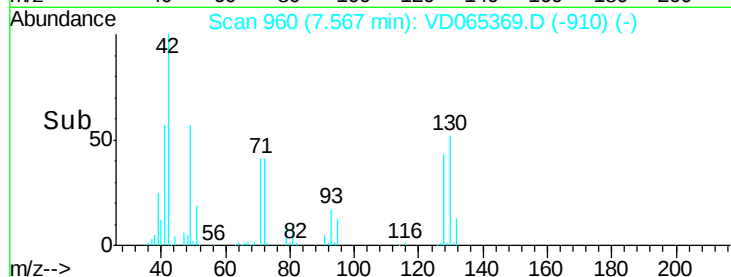
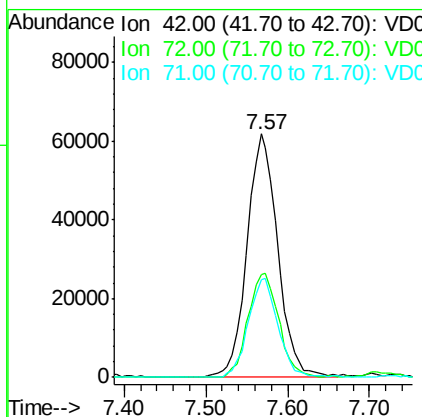
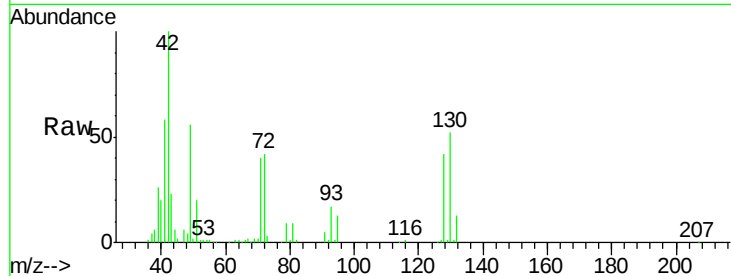
#29  
Tetrahydrofuran  
Concen: 212.207 ug/l  
RT: 7.57 min Scan# 960  
Delta R.T. -0.01 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 42.7  | 33.7  | 50.5  |
| 71      | 39.2  | 31.4  | 47.2  |

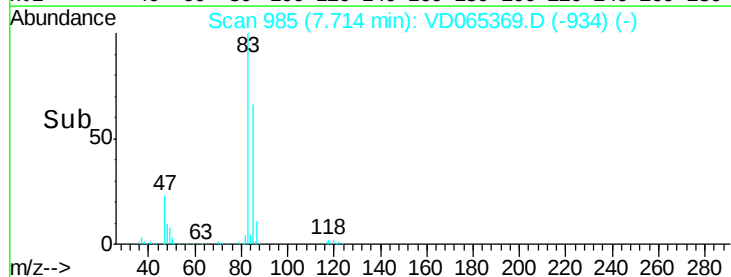
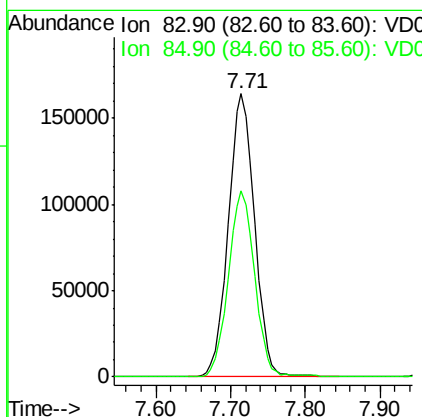
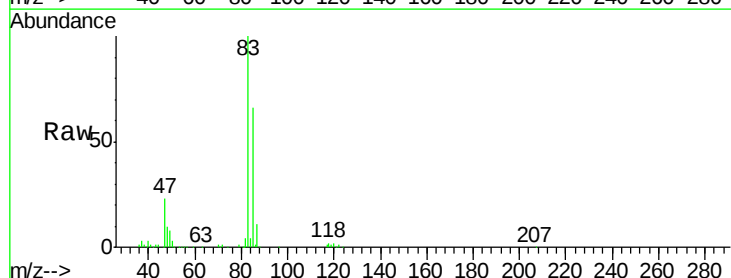
Manual Integrations  
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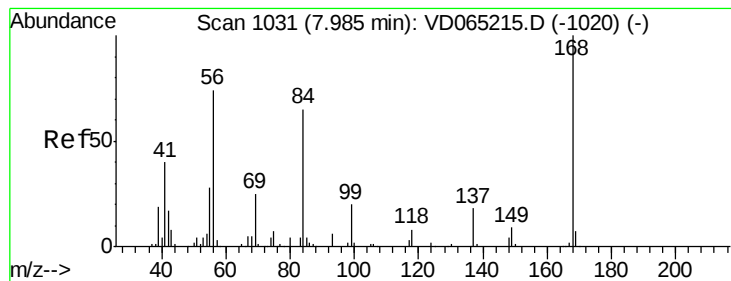
MMDadoda  
3/3/2020 11:12:00 AM



#30  
Chloroform  
Concen: 47.406 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.8  | 52.3  | 78.5  |





#31

Cyclohexane

Concen: 46.177 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

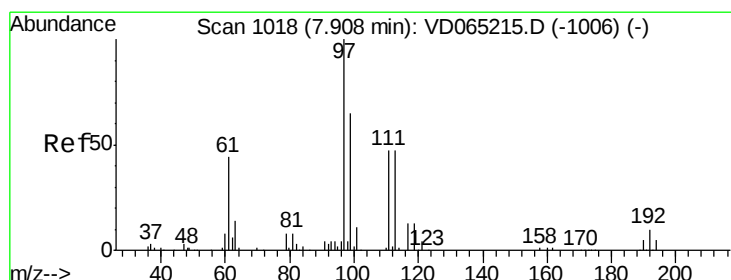
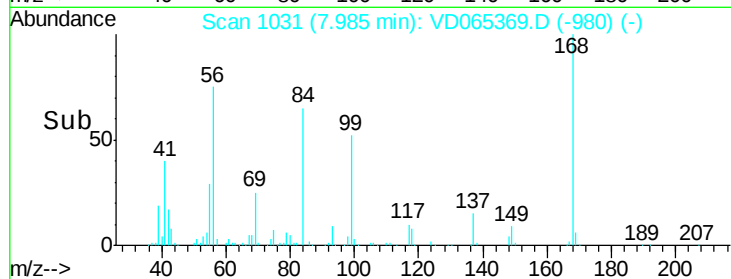
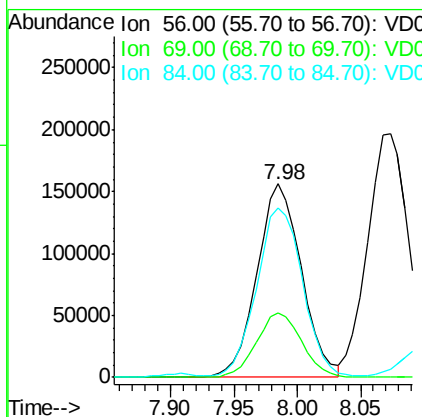
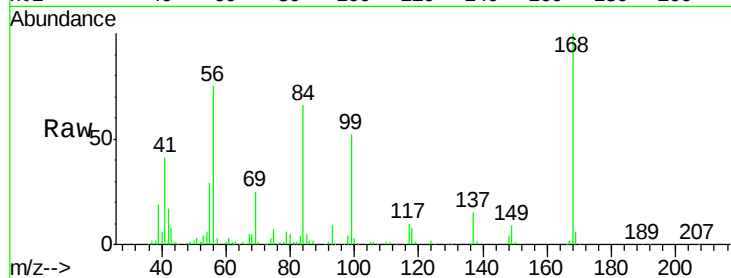
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 381775 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 33.6  | 27.4  | 41.0   |
| 84        | 86.2  | 71.1  | 106.7  |

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#32

1,1,1-Trichloroethane

Concen: 49.182 ug/l

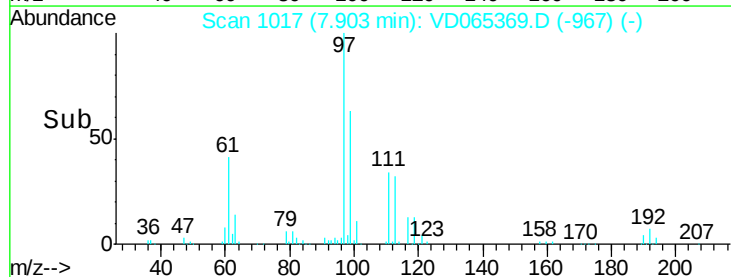
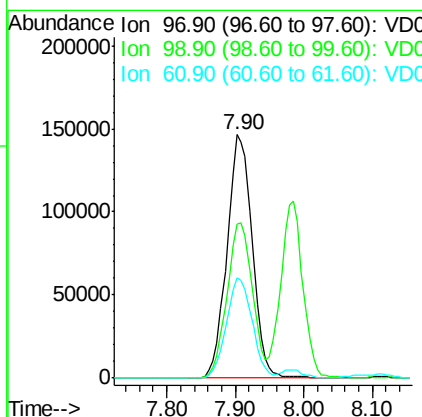
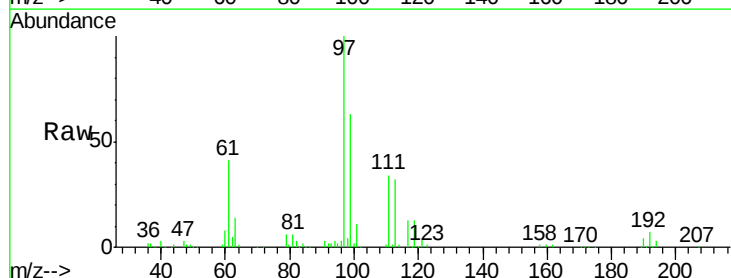
RT: 7.90 min Scan# 1017

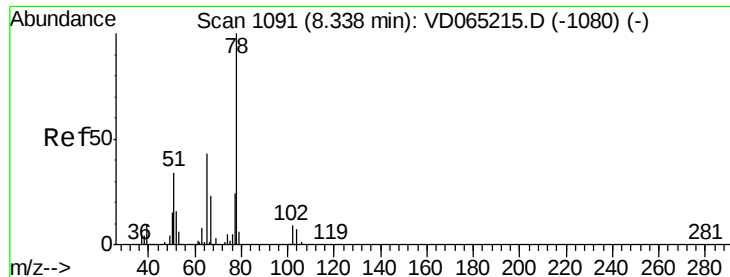
Delta R.T. -0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 373042 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.3  | 51.4  | 77.2   |
| 61        | 41.8  | 34.8  | 52.2   |





#33

1,2-Dichloroethane-d4

Concen: 45.378 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 190808

Ion Ratio Lower Upper

65 100

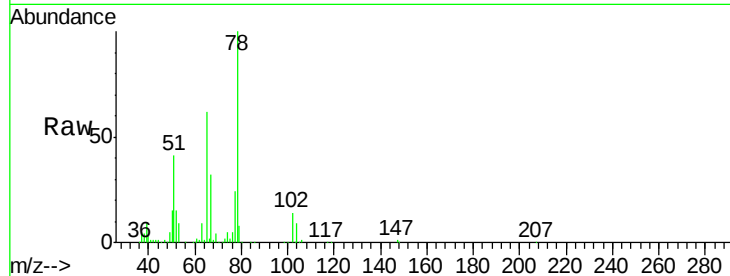
67 54.4 0.0 106.8

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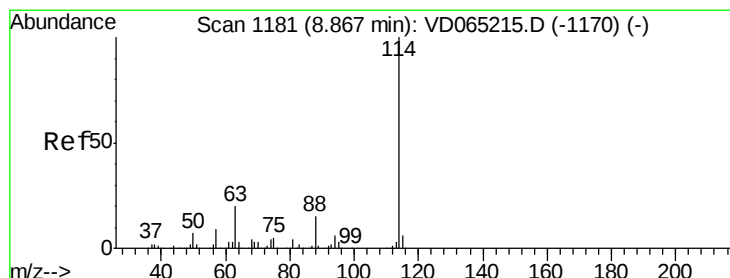
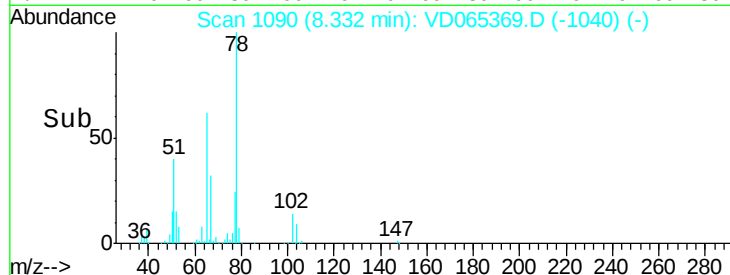
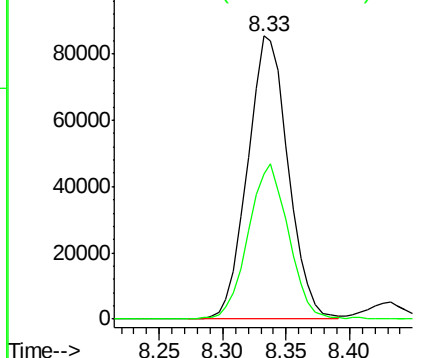
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

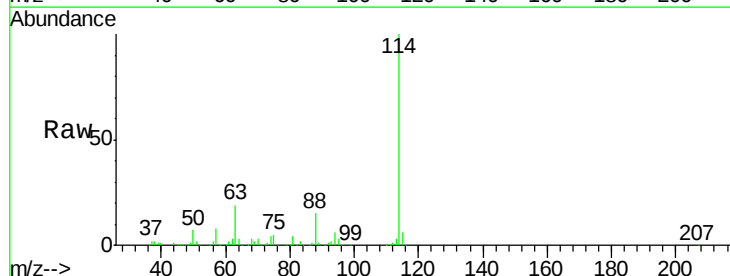
Tgt Ion: 114 Resp: 664078

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.4

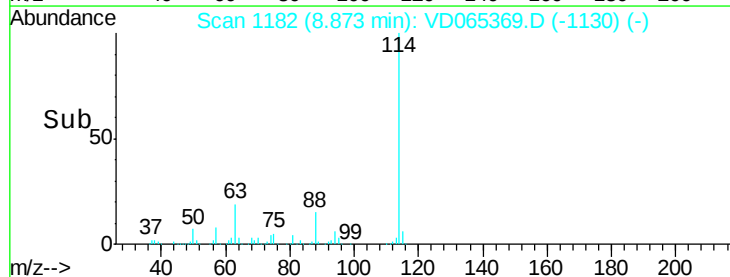
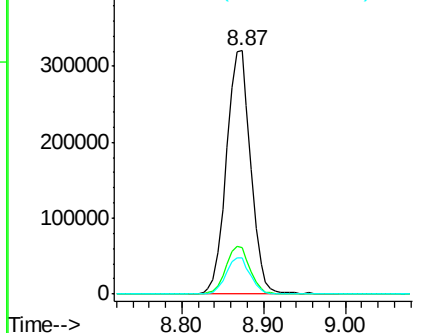
88 15.0 0.0 30.4

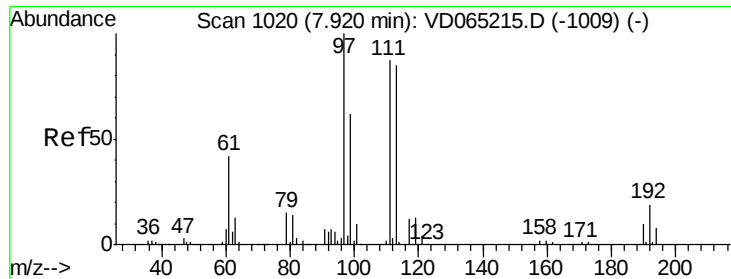


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





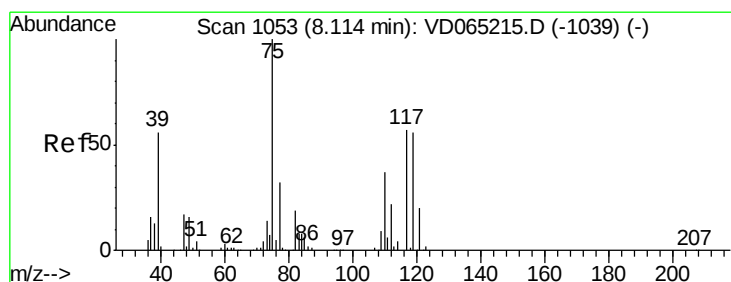
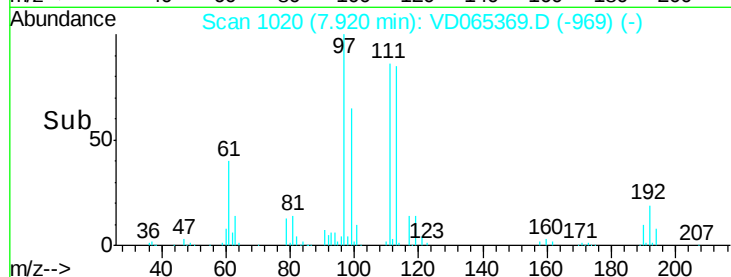
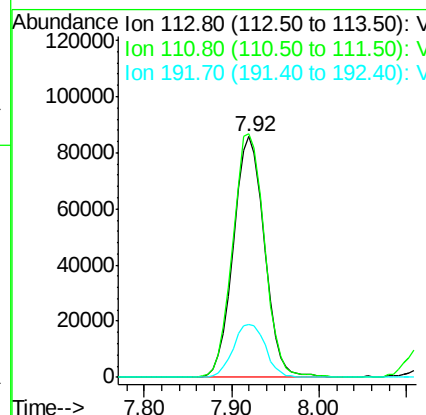
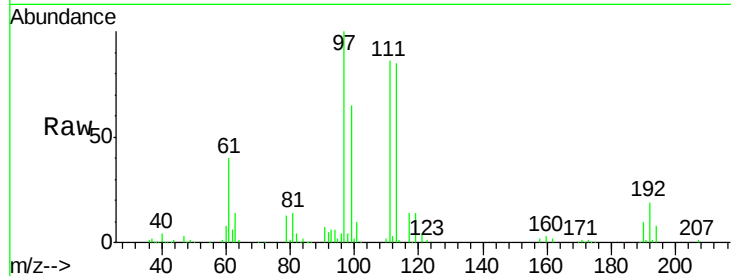
#35  
Dibromofluoromethane  
Concen: 51.157 ug/l  
RT: 7.92 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 207144 |       |       |
| 111     | 103.4 | 82.9   | 124.3 |       |
| 192     | 22.8  | 17.3   | 25.9  |       |

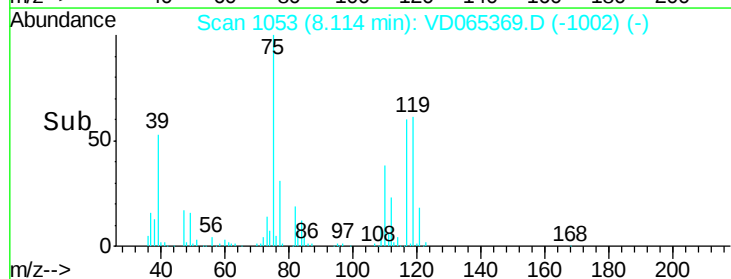
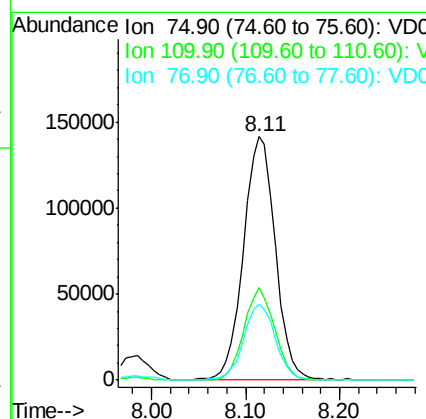
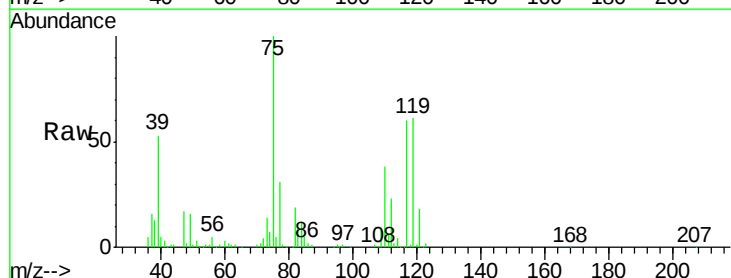
Manual Integrations  
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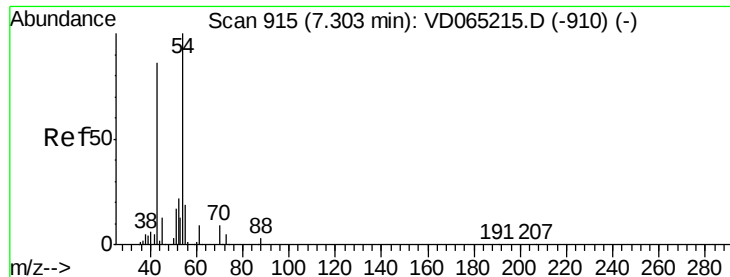
MMDadoda  
3/3/2020 11:12:00 AM



#36  
1,1-Dichloropropene  
Concen: 51.152 ug/l  
RT: 8.11 min Scan# 1053  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 330519 |       |       |
| 110     | 36.7  | 17.9   | 53.7  |       |
| 77      | 31.3  | 25.1   | 37.7  |       |





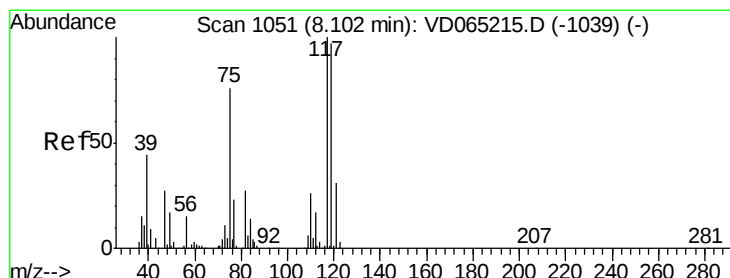
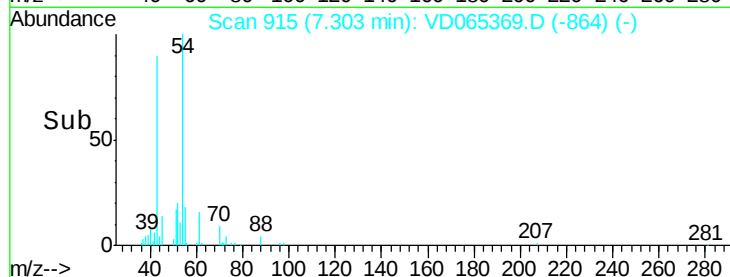
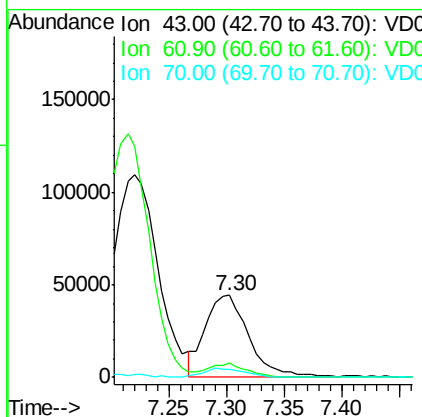
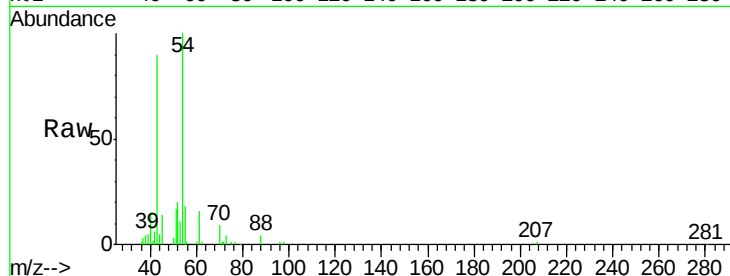
#37  
Ethyl Acetate  
Concen: 42.116 ug/l  
RT: 7.30 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.2  | 11.2  | 16.8  |
| 70      | 10.7  | 8.2   | 12.2  |

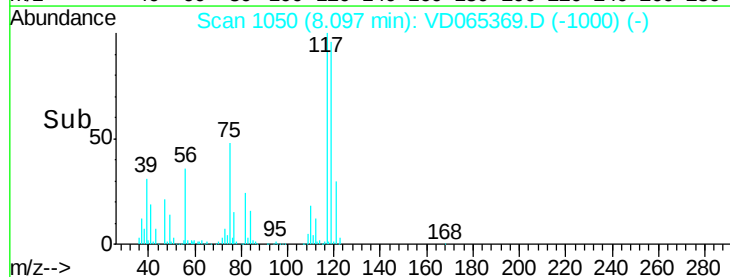
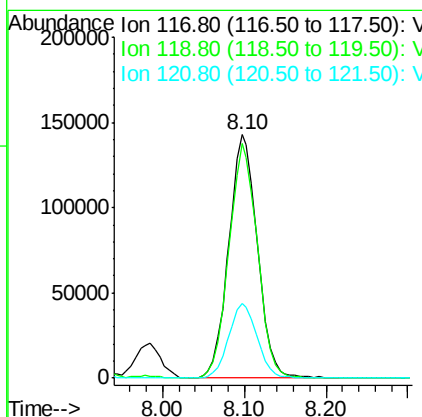
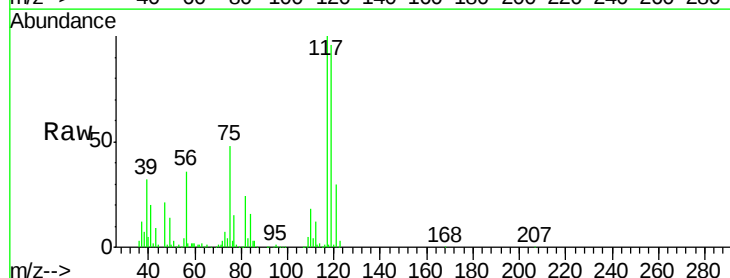
Manual Integrations  
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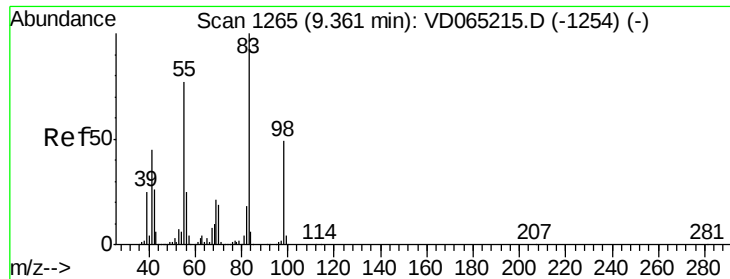
MMDadoda  
3/3/2020 11:12:00 AM



#38  
Carbon Tetrachloride  
Concen: 52.602 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.01 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.4  | 77.6  | 116.4 |
| 121     | 30.5  | 24.8  | 37.2  |





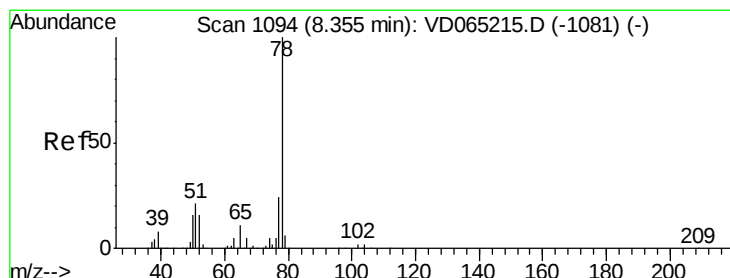
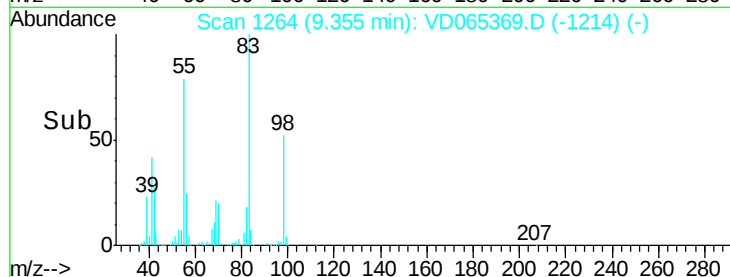
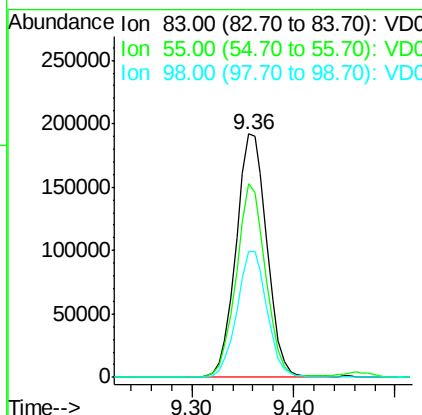
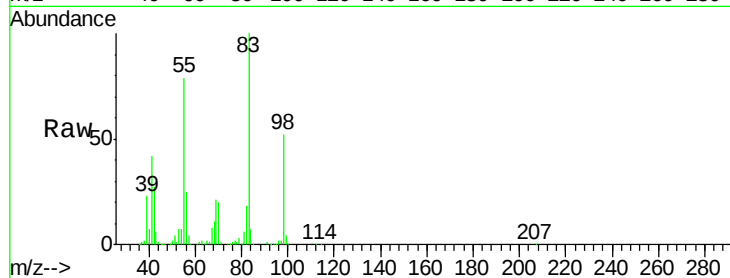
#39  
Methvlcvclohexane  
Concen: 53.299 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.01 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 79.3  | 61.8  | 92.6  |
| 98      | 51.5  | 39.4  | 59.0  |

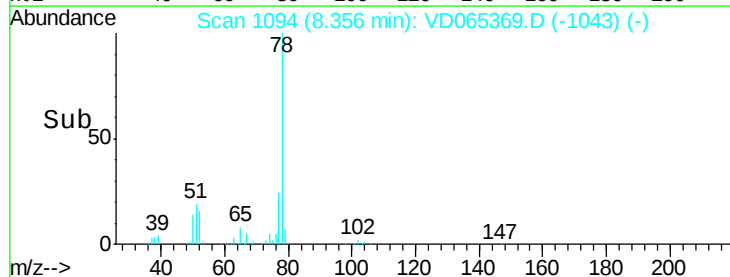
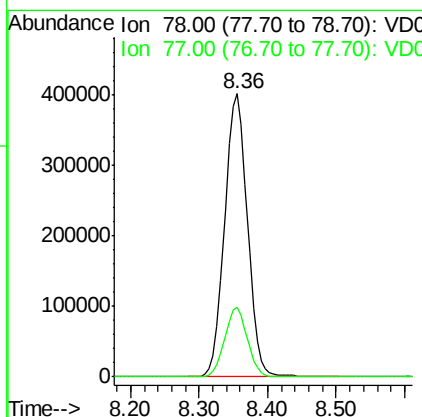
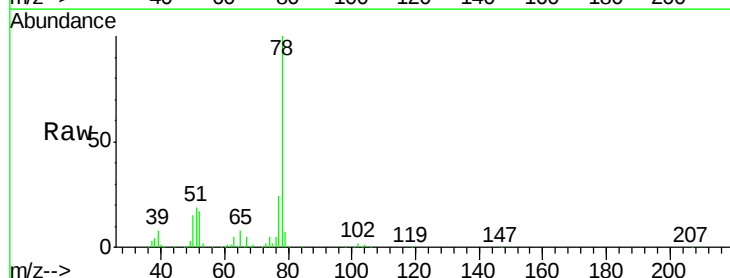
Manual Integrations  
APPROVED

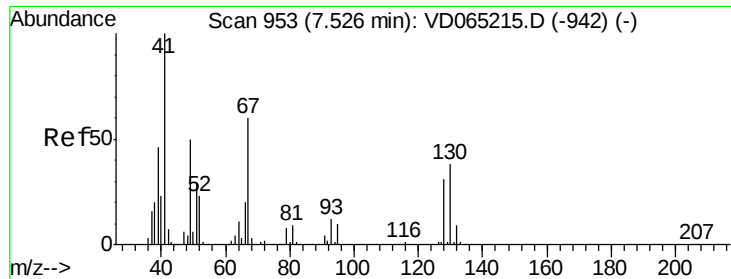
MMDadoda  
3/3/2020 11:12:00 AM



#40  
Benzene  
Concen: 50.833 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.4  | 19.0  | 28.6  |





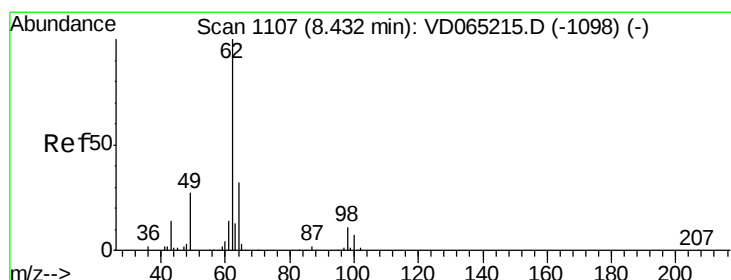
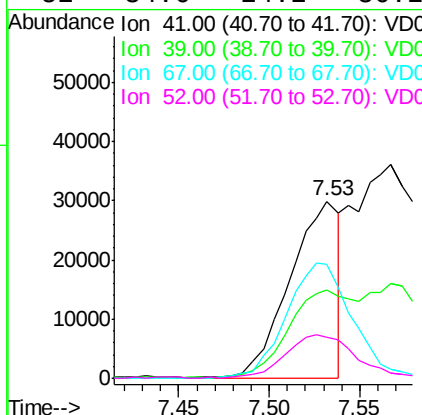
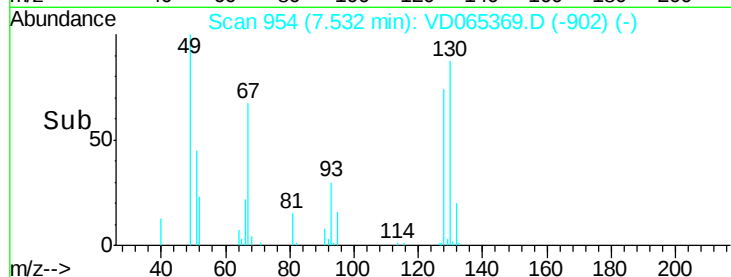
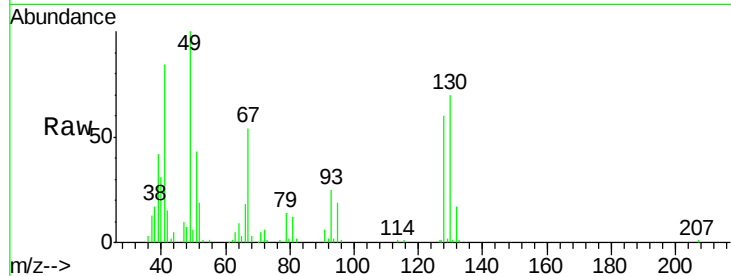
#41  
Methacrylonitrile  
Concen: 36.989 ug/l  
RT: 7.53 min Scan# 954  
Delta R.T. 0.01 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 41    | Resp  | 57690 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 67.6  | 48.1  | 72.1  |
| 67      | 85.7  | 58.9  | 88.3  |
| 52      | 34.6  | 24.2  | 36.2  |

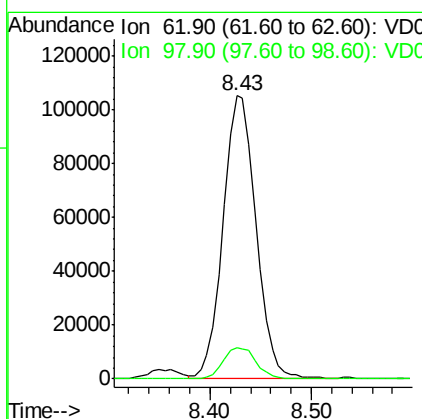
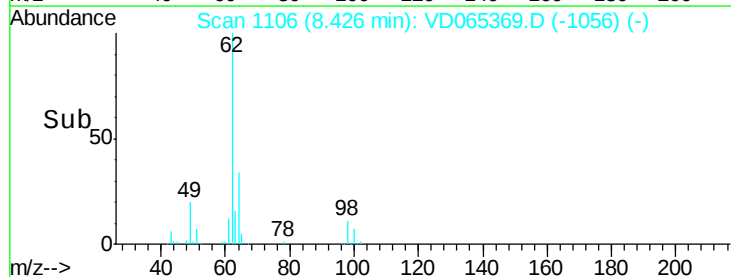
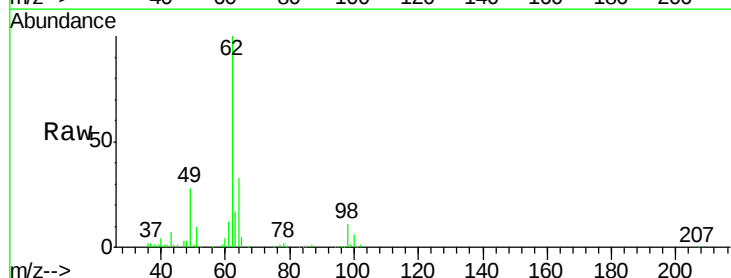
Manual Integrations  
APPROVED

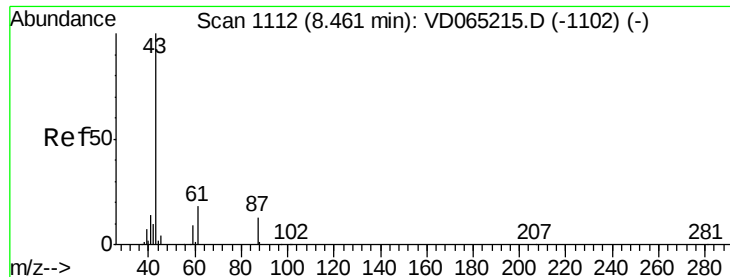
MMDadoda  
3/3/2020 11:12:00 AM



#42  
1,2-Dichloroethane  
Concen: 46.986 ug/l  
RT: 8.43 min Scan# 1106  
Delta R.T. -0.01 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

| Tgt Ion | 62    | Resp  | 235584 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 11.2  | 0.0   | 20.6   |





#43

Isopropyl Acetate

Concen: 43.404 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

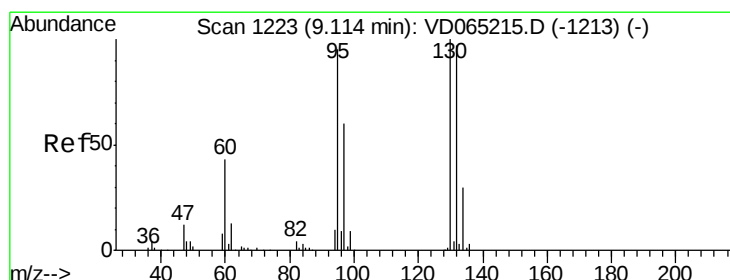
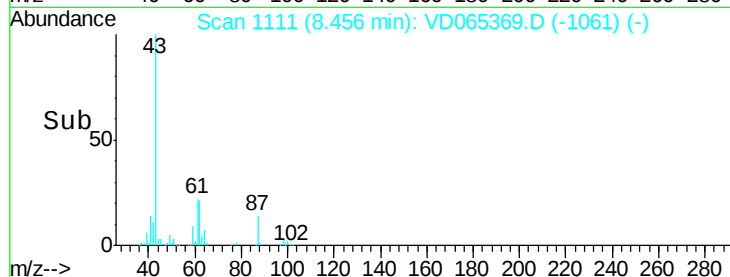
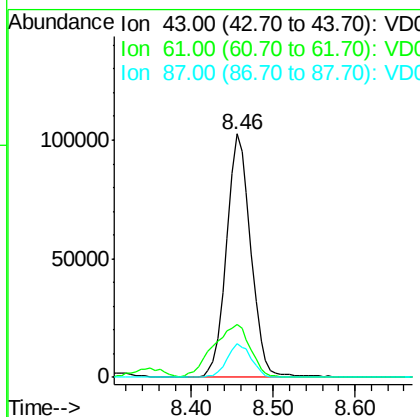
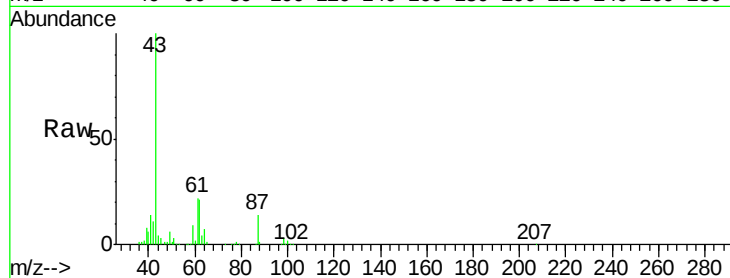
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 213204 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 33.0  | 24.6  | 36.8   |
| 87       | 13.7  | 10.6  | 16.0   |

Manual Integrations  
APPROVED

MMDadoda  
3/3/2020 11:12:00 AM



#44

Trichloroethene

Concen: 51.710 ug/l

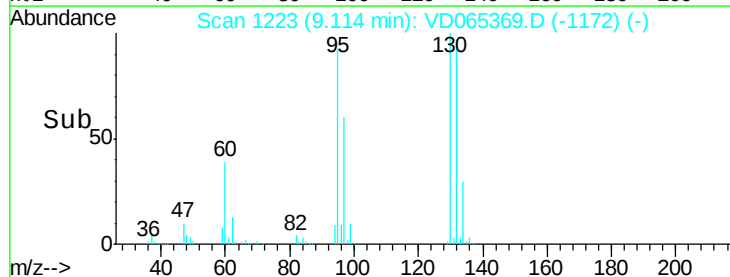
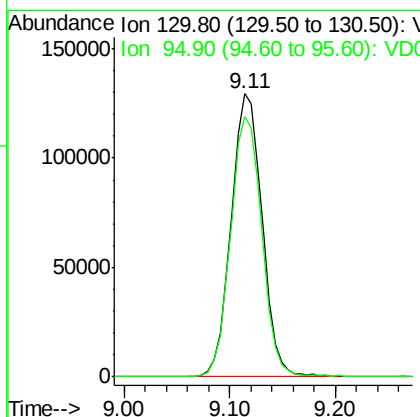
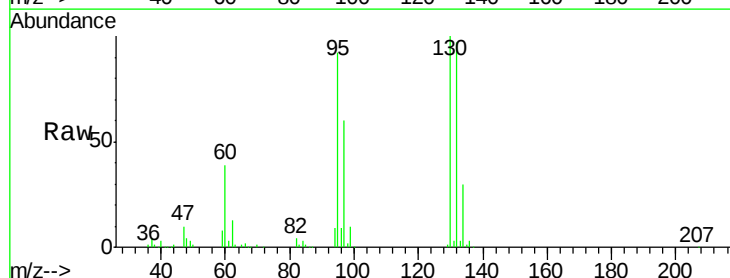
RT: 9.11 min Scan# 1223

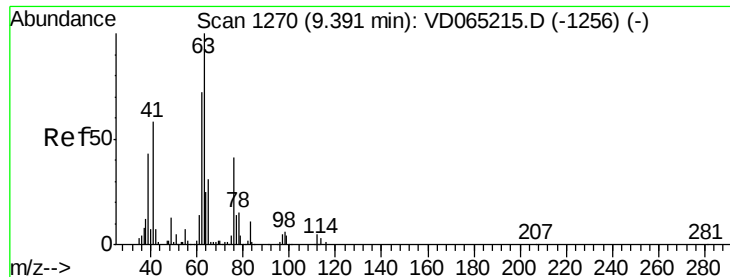
Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 261423 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 92.2  | 0.0   | 190.6  |





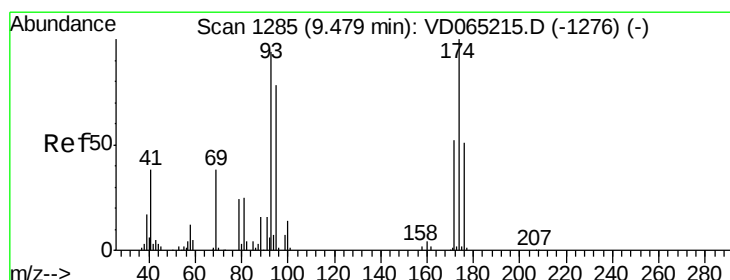
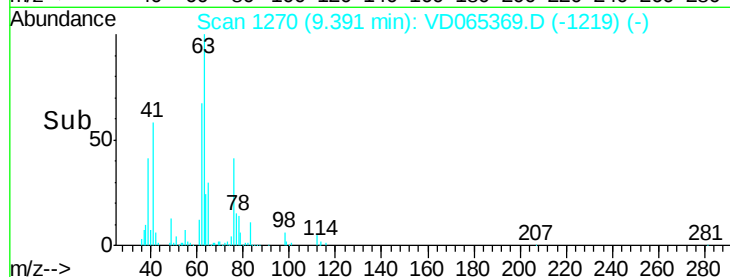
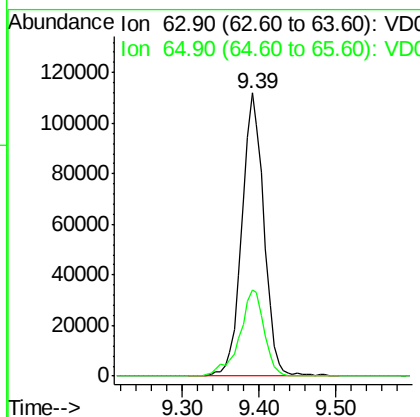
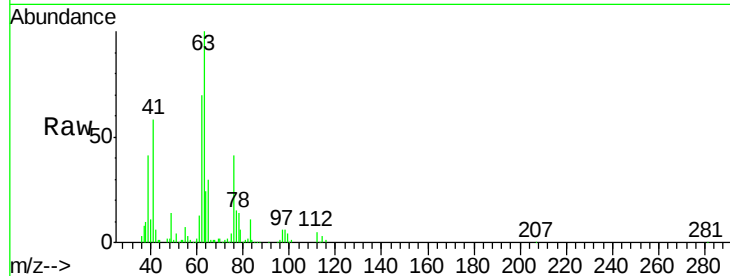
#45  
 1,2-Dichloropropane  
 Concen: 49.622 ug/l  
 RT: 9.39 min Scan# 1270  
 Delta R.T. 0.00 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.4  | 24.9  | 37.3  |

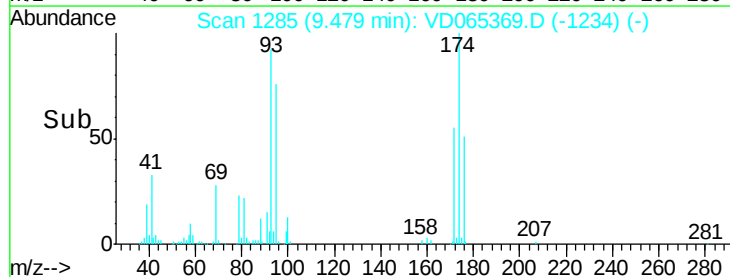
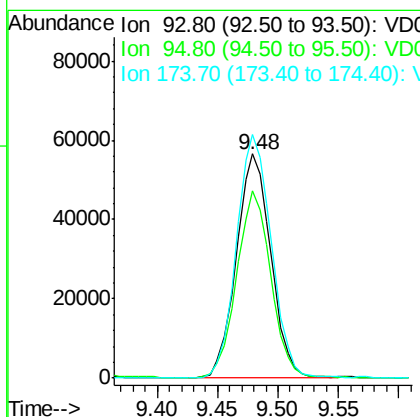
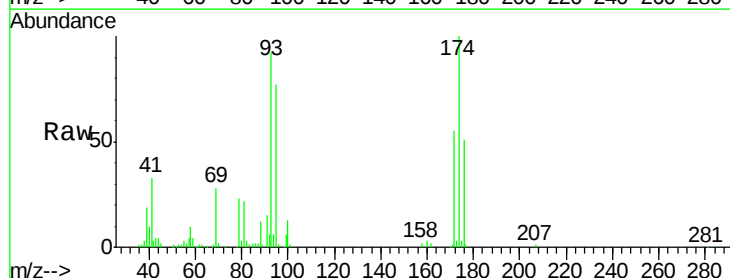
Manual Integrations  
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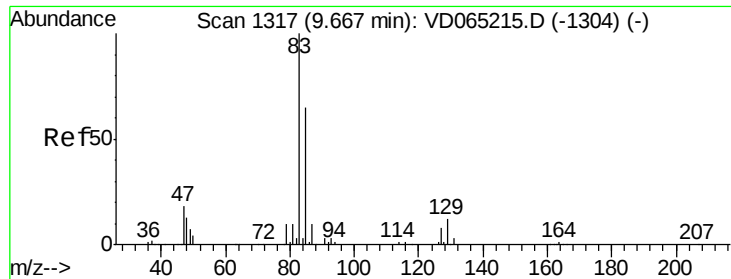
MMDadoda  
 3/3/2020 11:12:00 AM



#46  
 Dibromomethane  
 Concen: 48.550 ug/l  
 RT: 9.48 min Scan# 1285  
 Delta R.T. 0.00 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.4  | 65.8  | 98.6  |
| 174     | 109.4 | 86.8  | 130.2 |





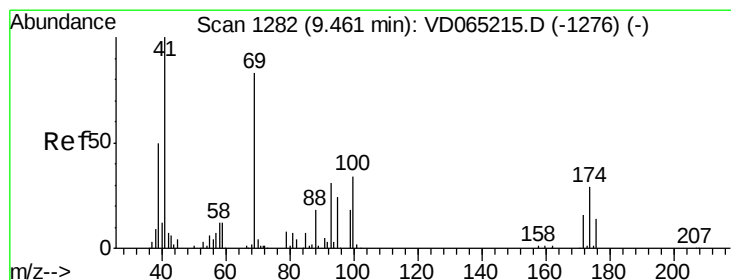
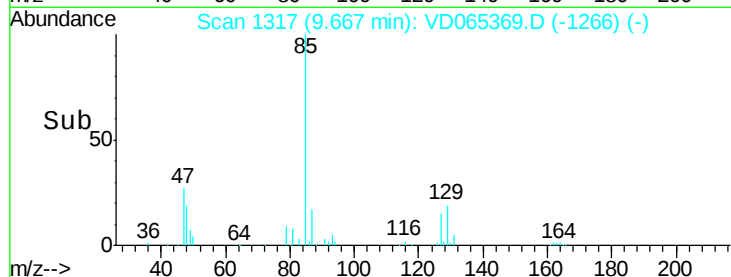
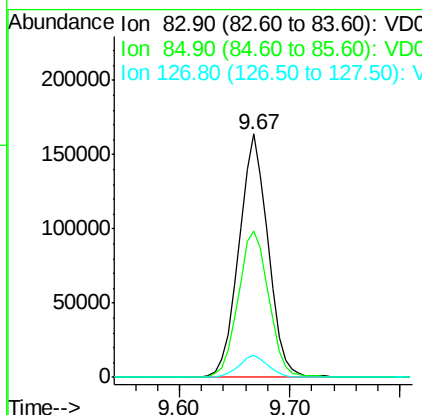
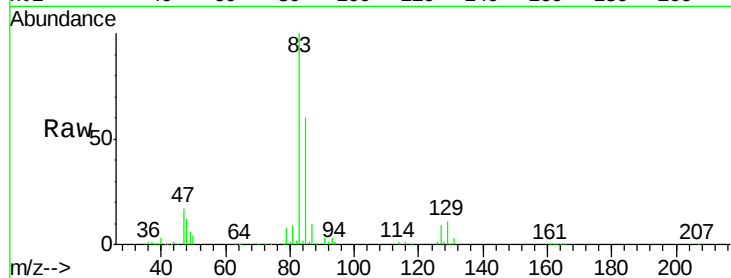
#47  
Bromodichloromethane  
Concen: 49.506 ug/l  
RT: 9.67 min Scan# 1317  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 60.3  | 52.0  | 78.0  |
| 127     | 8.9   | 6.7   | 10.1  |

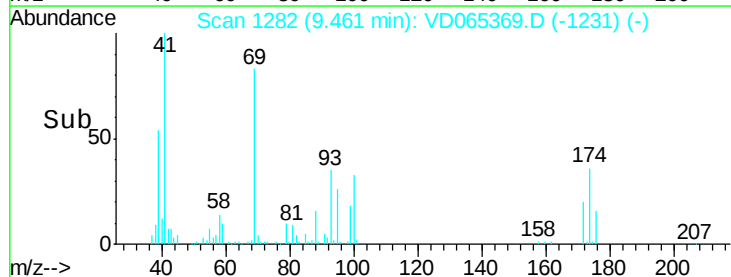
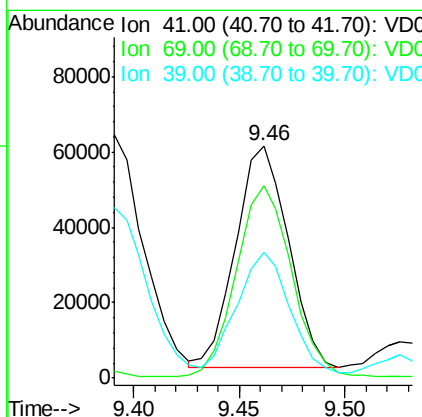
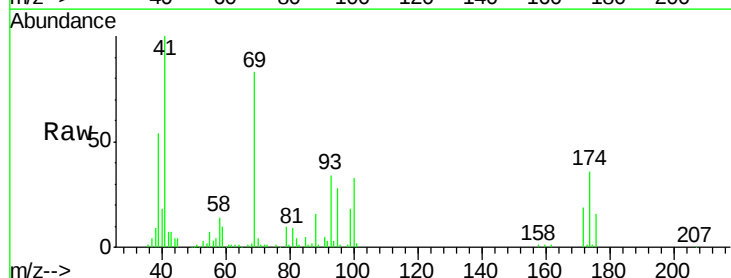
Manual Integrations  
APPROVED

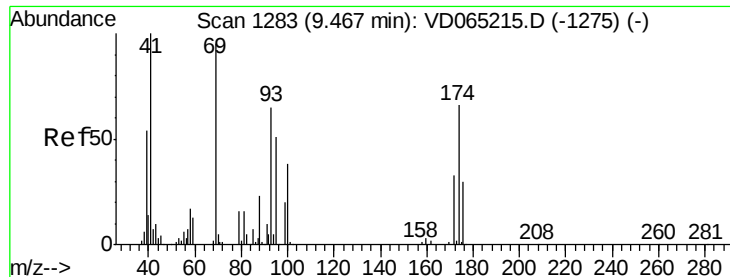
MMDadoda  
3/3/2020 11:12:00 AM



#48  
Methyl methacrylate  
Concen: 44.846 ug/l  
RT: 9.46 min Scan# 1282  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 91.9  | 68.2  | 102.2 |
| 39      | 53.9  | 42.0  | 63.0  |





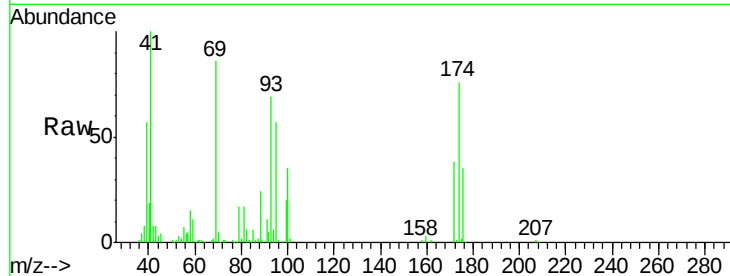
#49  
1,4-Dioxane  
Concen: 927.790 ug/l  
RT: 9.47 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 29.9  | 28.5  | 42.7  |
| 58      | 71.4  | 58.6  | 87.8  |

Manual Integrations  
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MMDadoda  
3/3/2020 11:12:00 AM

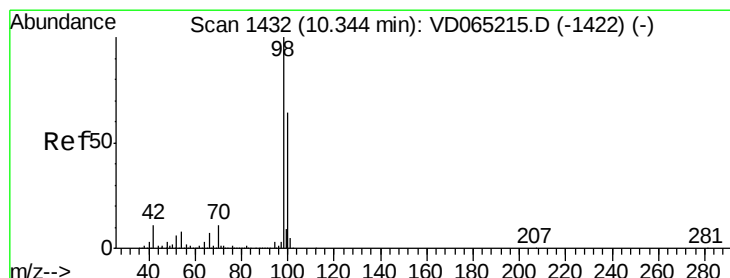
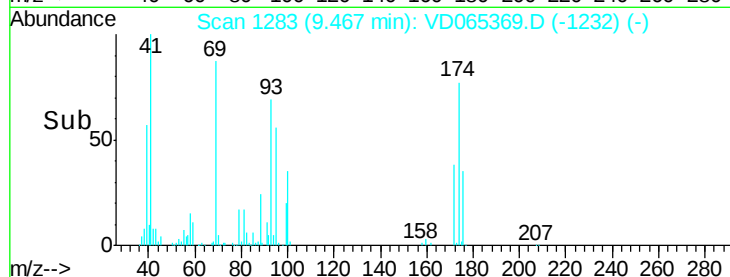
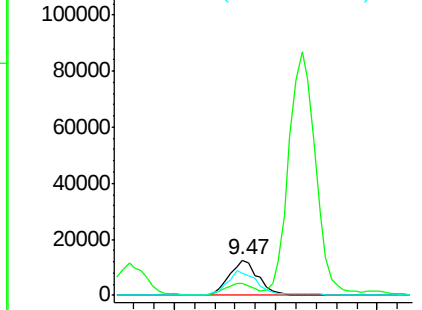


Abundance

Ion 88.00 (87.70 to 88.70): VDC

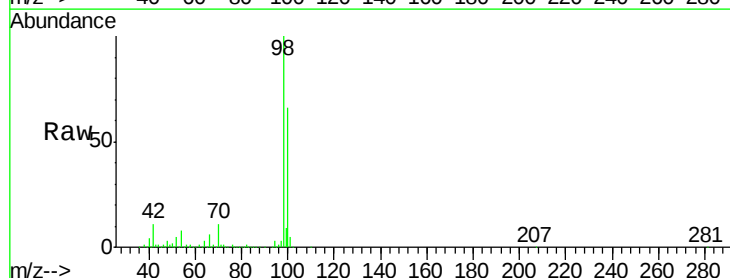
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50  
Toluene-d8  
Concen: 53.105 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

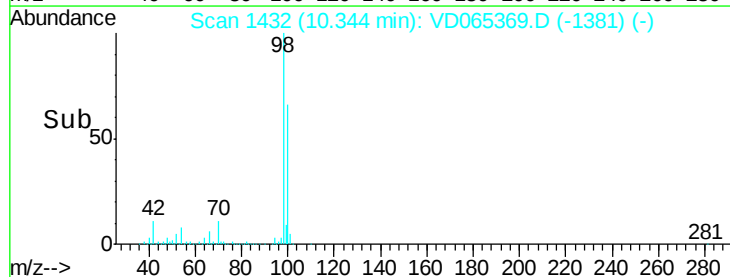
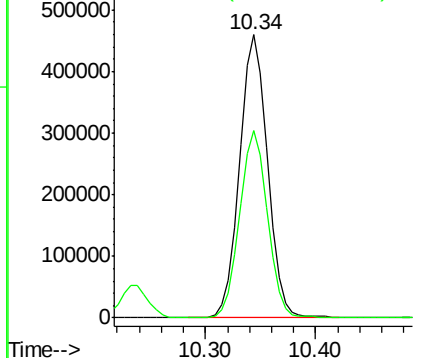
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.1  | 52.0  | 78.0  |

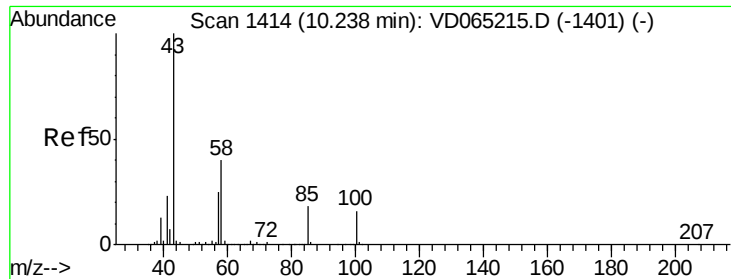


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





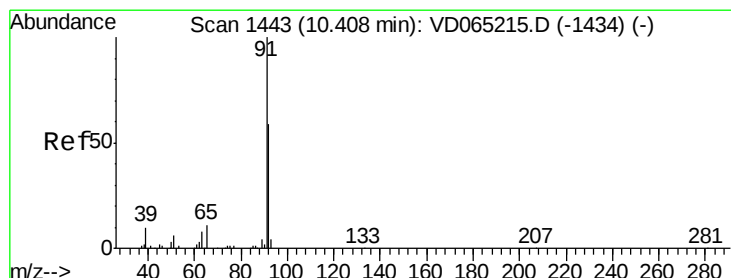
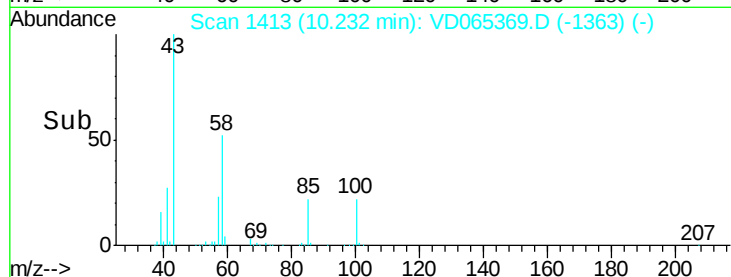
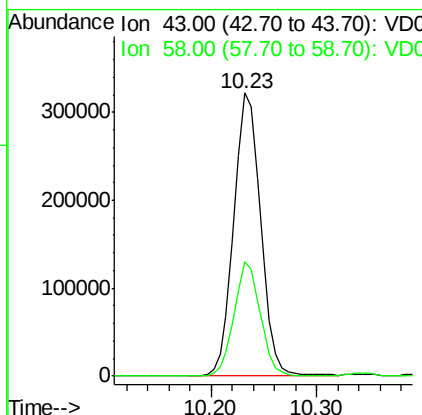
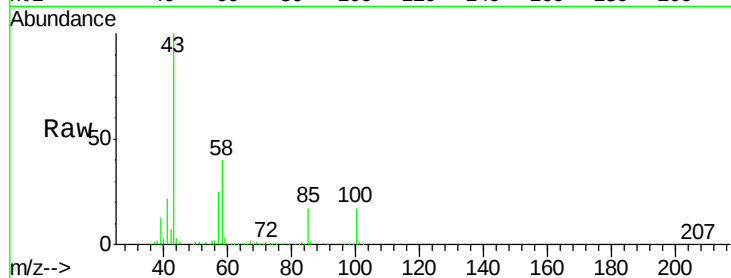
#51  
4-Methyl-2-Pentanone  
Concen: 227.056 ug/l  
RT: 10.23 min Scan# 1413  
Delta R.T. -0.01 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 43 | Resp | 566482 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 39.1 | 31.1   |
| Upper     |    |      | 46.7   |

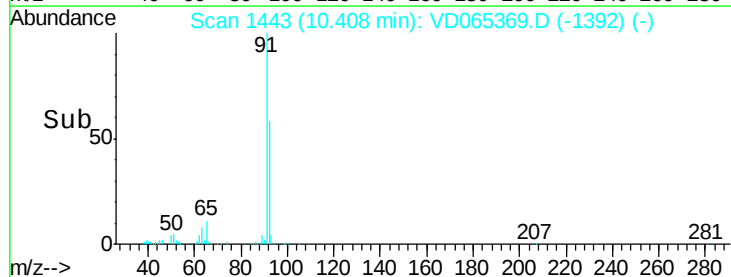
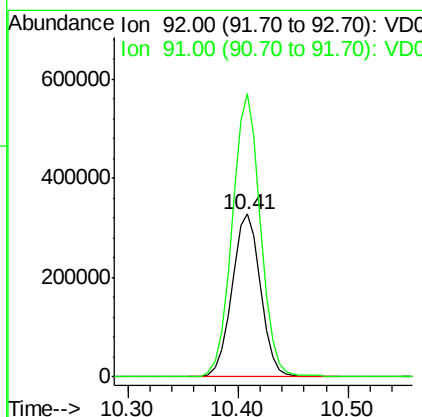
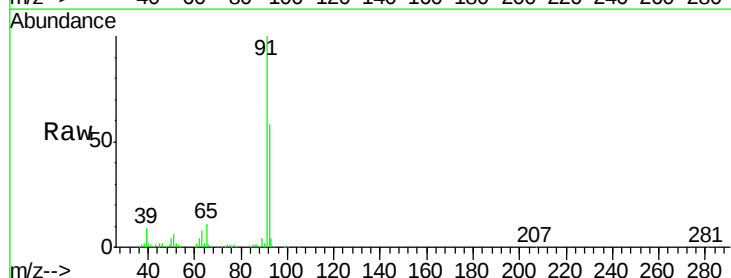
Manual Integrations  
APPROVED

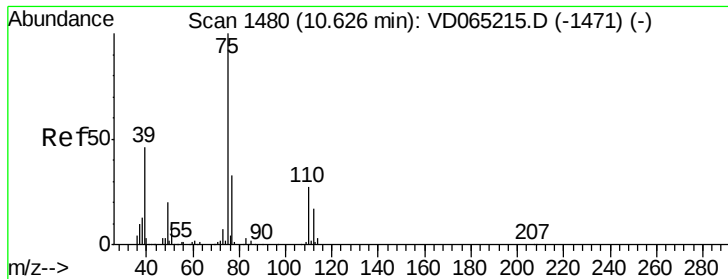
MMDadoda  
3/3/2020 11:12:00 AM



#52  
Toluene  
Concen: 52.863 ug/l  
RT: 10.41 min Scan# 1443  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

| Tgt Ion   | 92 | Resp  | 596779 |
|-----------|----|-------|--------|
| Ion Ratio | 92 | 100   |        |
| Lower     | 91 | 171.6 | 136.3  |
| Upper     |    |       | 204.5  |





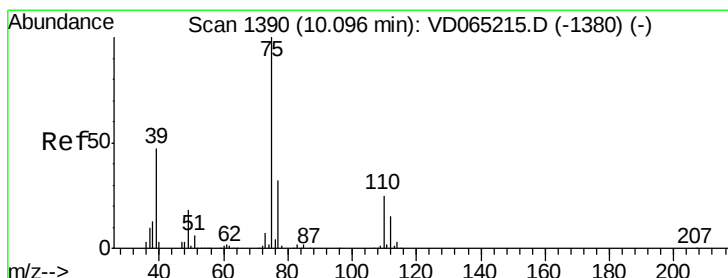
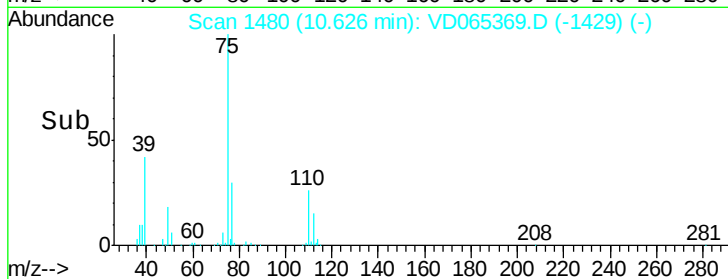
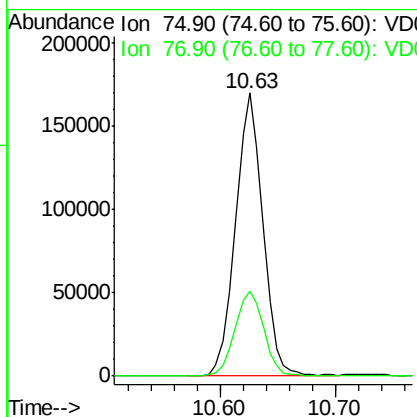
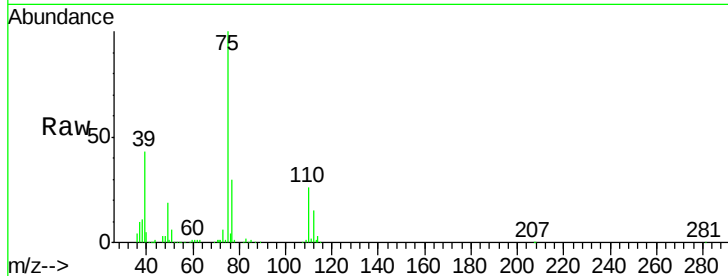
#53  
t-1,3-Dichloropropene  
Concen: 48.972 ug/l  
RT: 10.63 min Scan# 1480  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.0  | 26.6  | 40.0  |

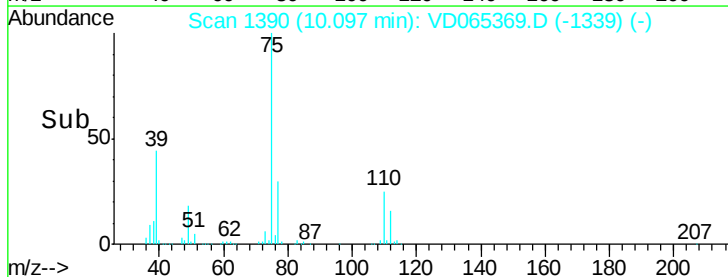
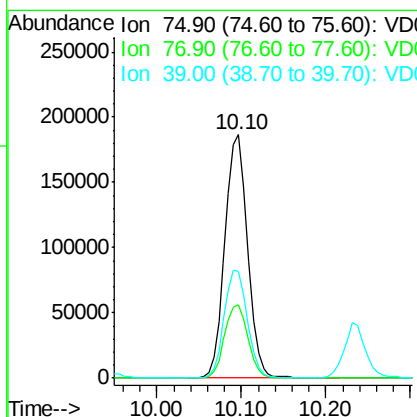
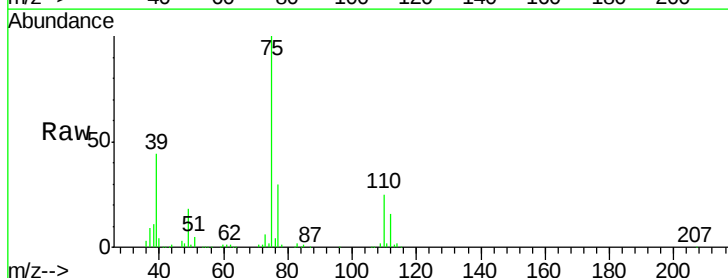
Manual Integrations  
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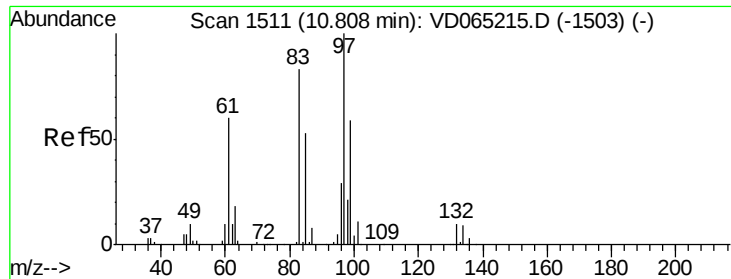
MMDadoda  
3/3/2020 11:12:00 AM



#54  
cis-1,3-Dichloropropene  
Concen: 50.145 ug/l  
RT: 10.10 min Scan# 1390  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.0  | 25.8  | 38.8  |
| 39      | 43.6  | 37.3  | 55.9  |





#55

1,1,2-Trichloroethane

Concen: 49.252 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

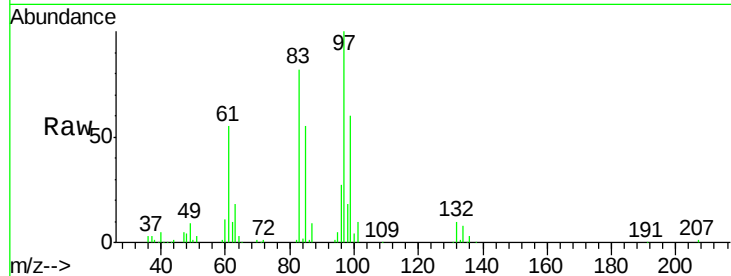
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 161756 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 82.1  | 66.7  | 100.1  |
| 85       | 54.9  | 42.4  | 63.6   |
| 99       | 60.4  | 47.5  | 71.3   |

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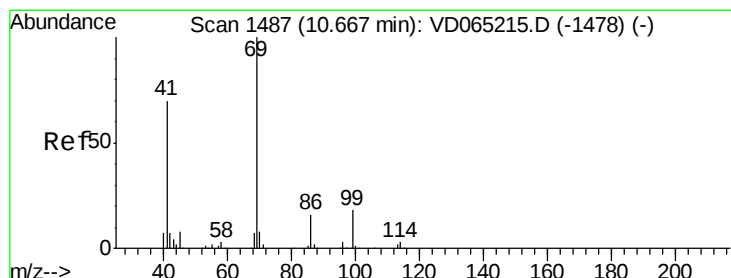
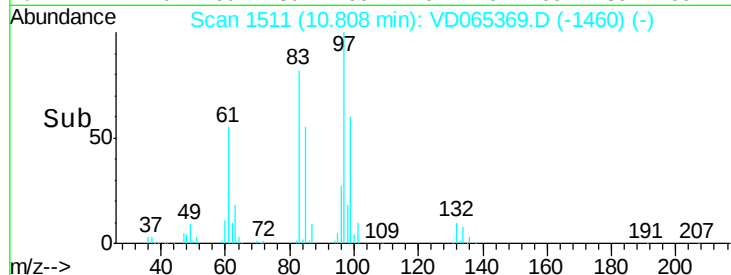
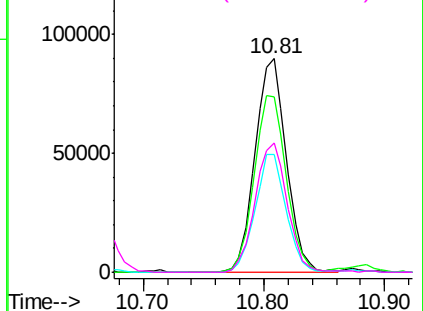


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 48.995 ug/l

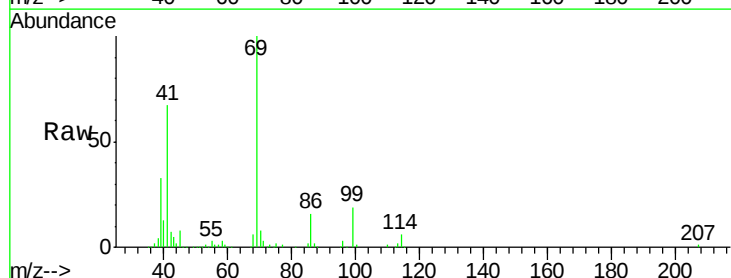
RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

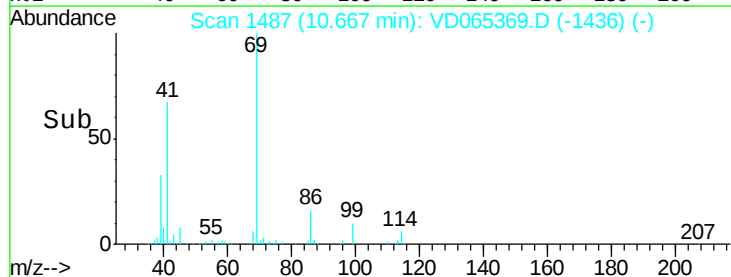
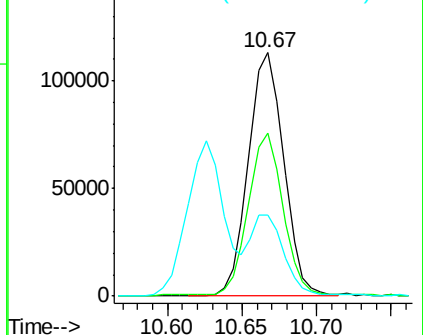
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 185727 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 64.7  | 54.6  | 81.8   |
| 39       | 30.6  | 26.5  | 39.7   |



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





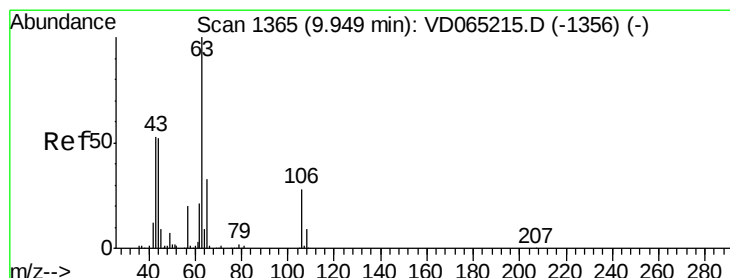
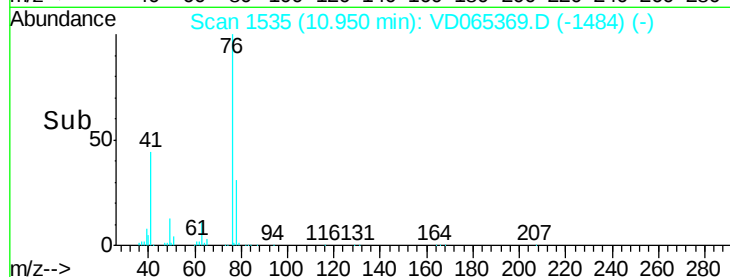
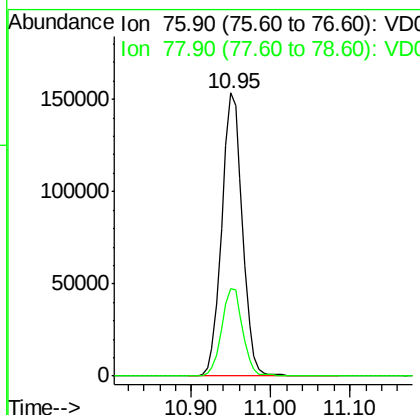
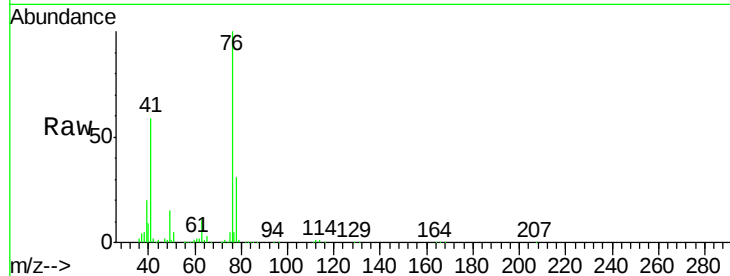
#57  
 1,3-Dichloropropane  
 Concen: 49.424 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. 0.00 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 31.6  | 26.3  | 39.5  |

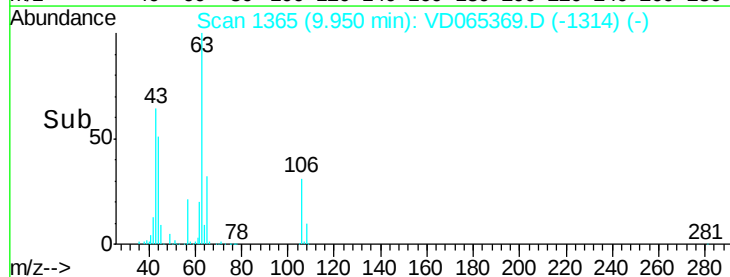
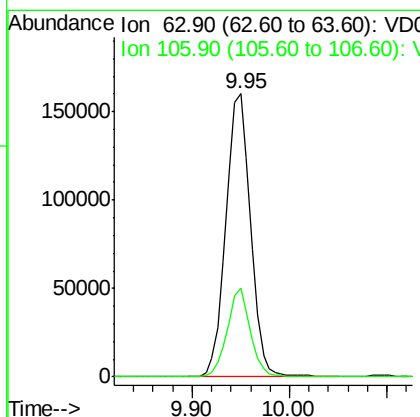
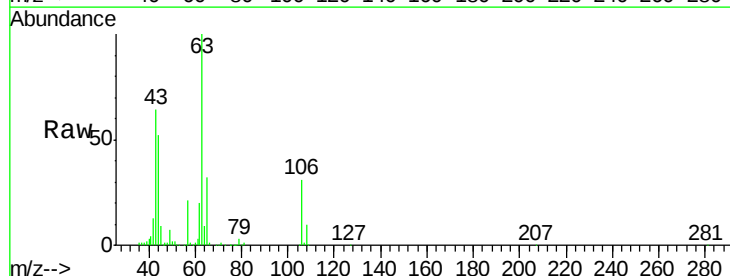
Manual Integrations  
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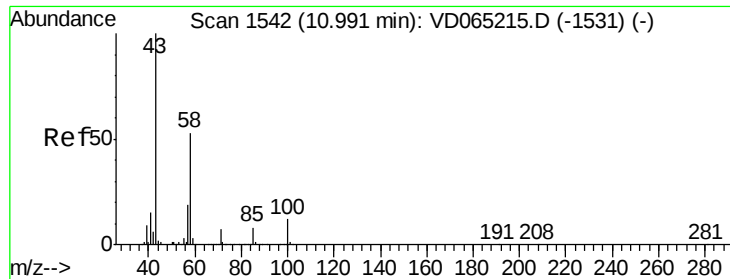
MMDadoda  
 3/3/2020 11:12:00 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 235.466 ug/l  
 RT: 9.95 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 29.1  | 22.8  | 34.2  |





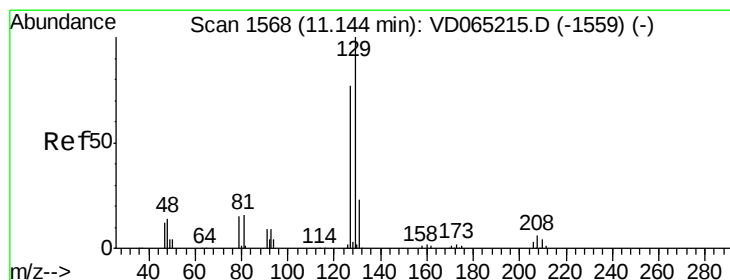
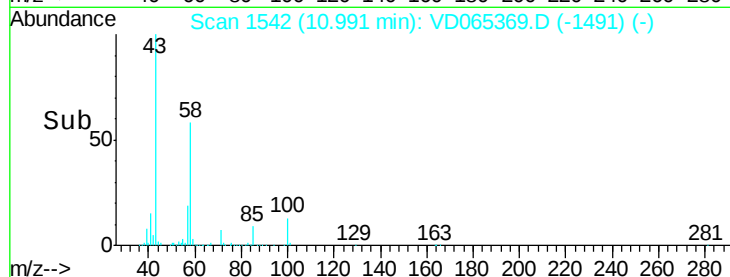
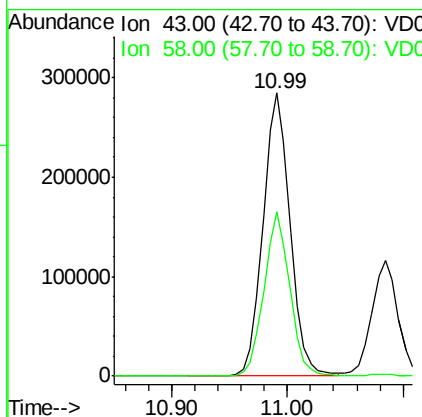
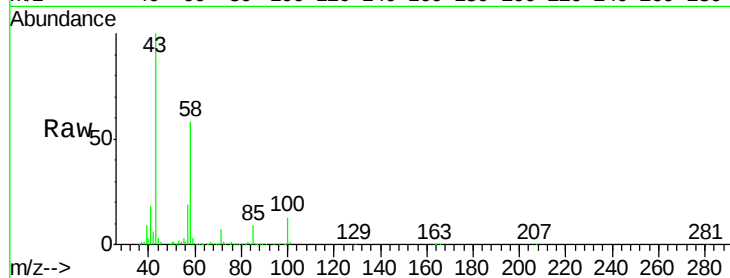
#59  
2-Hexanone  
Concen: 260.381 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 55.6  | 26.3  | 78.8  |

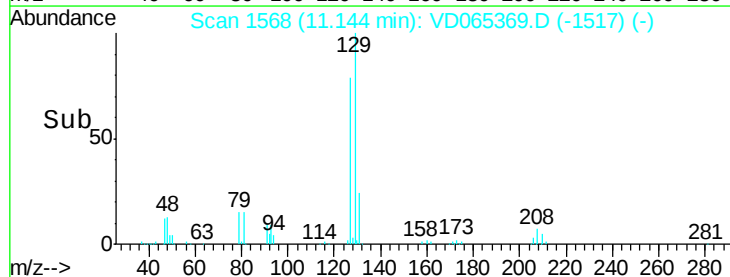
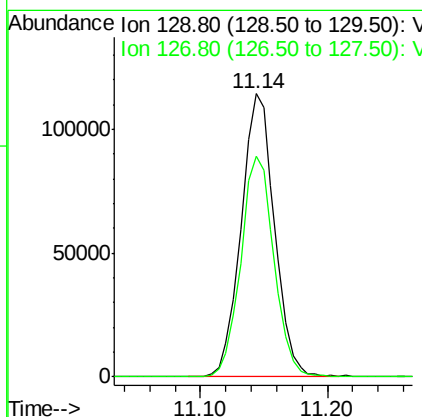
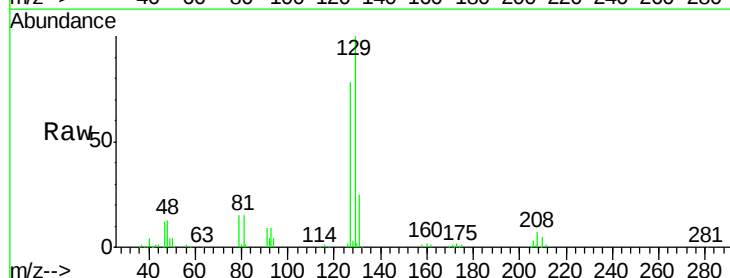
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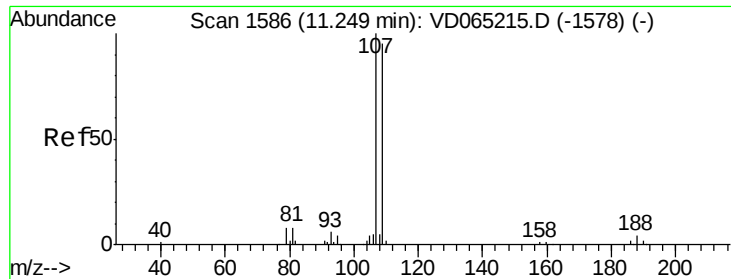
MMDadoda  
3/3/2020 11:12:00 AM



#60  
Dibromochloromethane  
Concen: 49.594 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 77.5  | 38.7  | 116.1 |





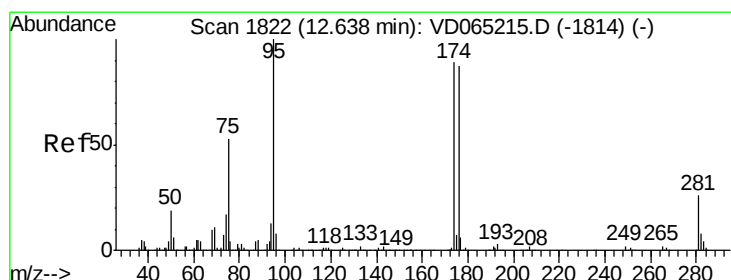
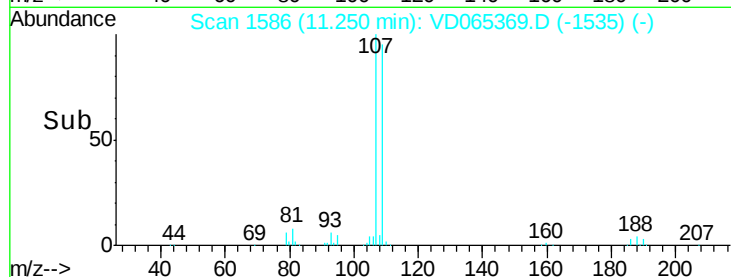
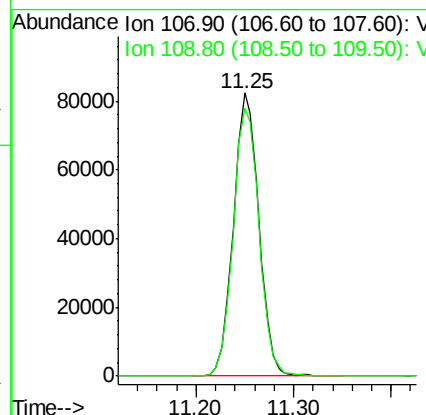
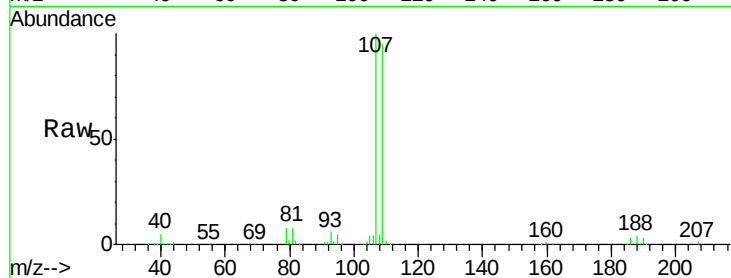
#61  
 1,2-Dibromoethane  
 Concen: 47.696 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. 0.00 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 96.7  | 76.2  | 114.4 |

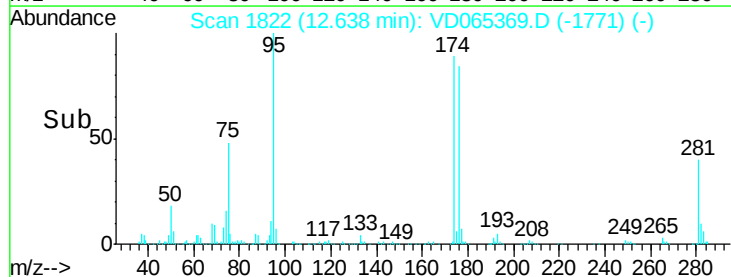
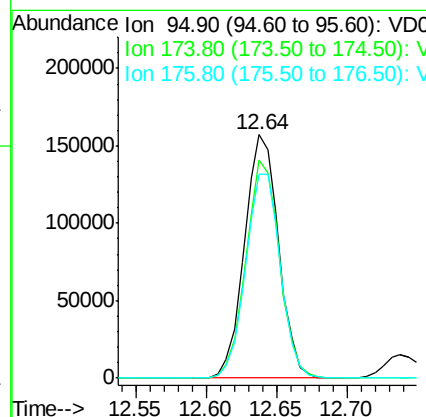
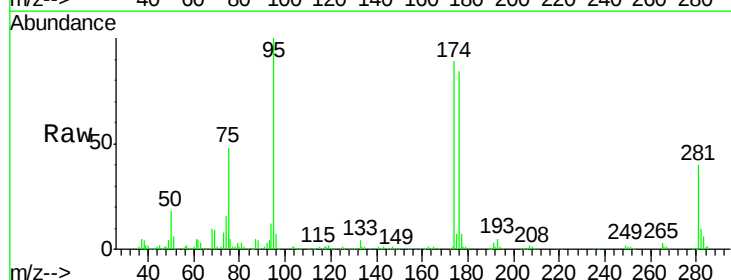
Manual Integrations  
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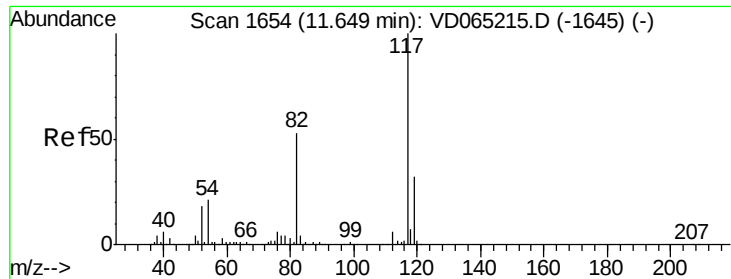
MMDadoda  
 3/3/2020 11:12:00 AM



#62  
 4-Bromofluorobenzene  
 Concen: 54.202 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. 0.00 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 88.3  | 0.0   | 178.0 |
| 176     | 85.4  | 0.0   | 174.4 |





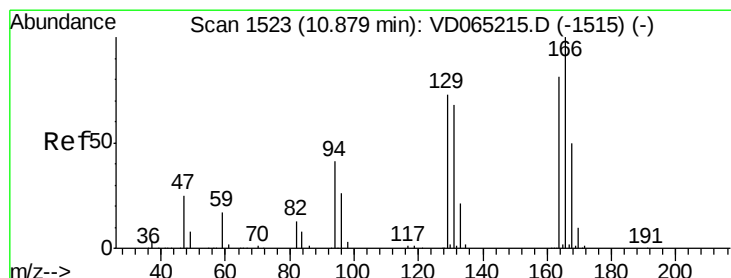
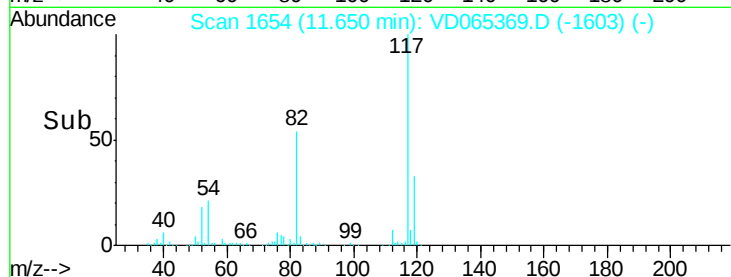
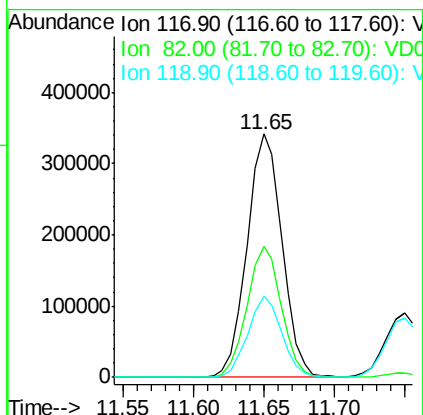
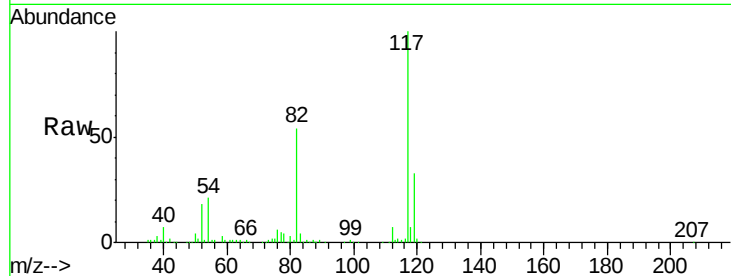
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.7  | 42.7  | 64.1  |
| 119     | 33.1  | 25.5  | 38.3  |

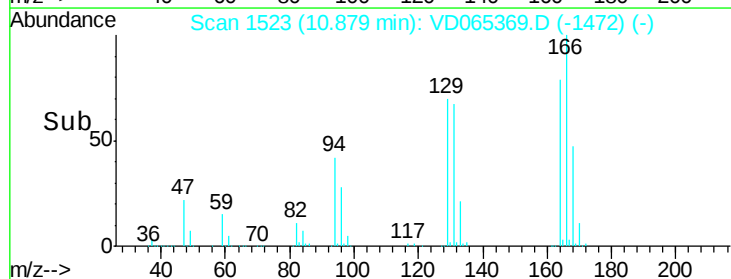
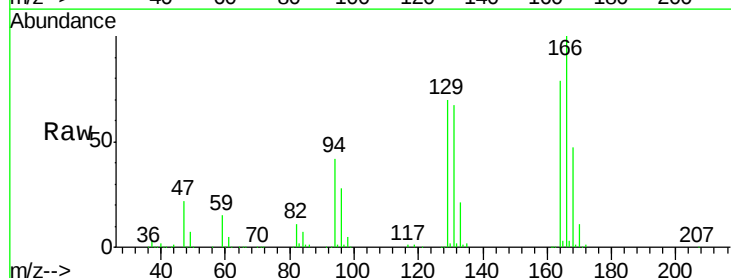
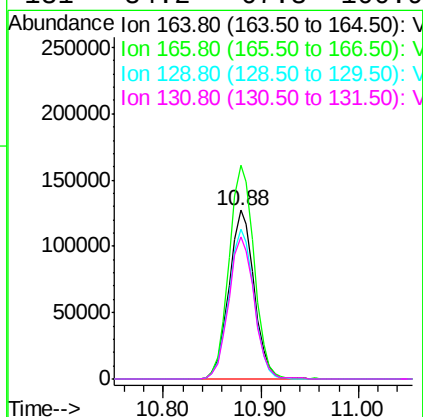
Manual Integrations  
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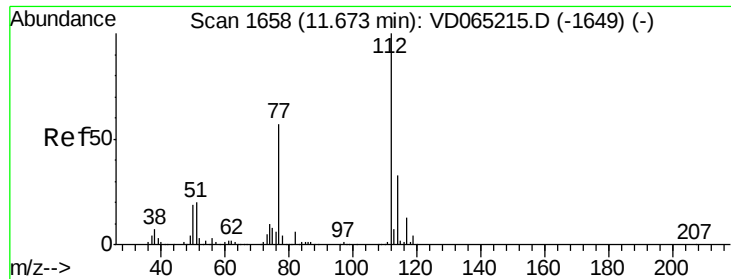
MMDadoda  
3/3/2020 11:12:00 AM



#64  
Tetrachloroethene  
Concen: 53.478 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.5 | 98.4  | 147.6 |
| 129     | 88.7  | 71.6  | 107.4 |
| 131     | 84.2  | 67.3  | 100.9 |





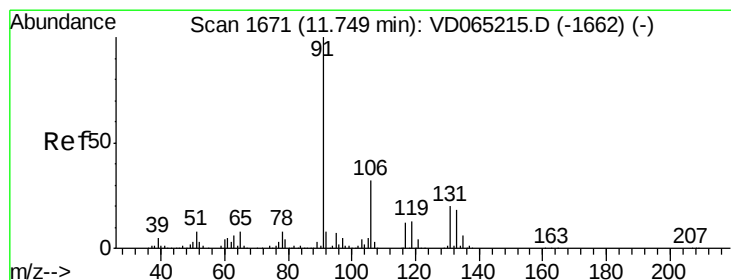
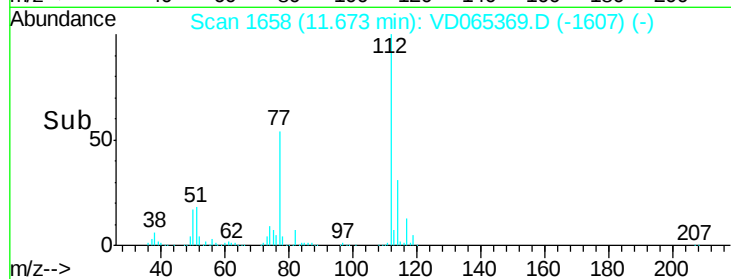
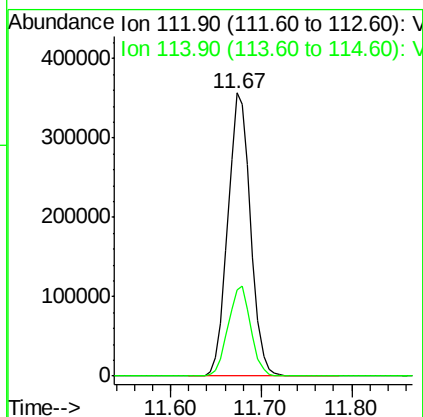
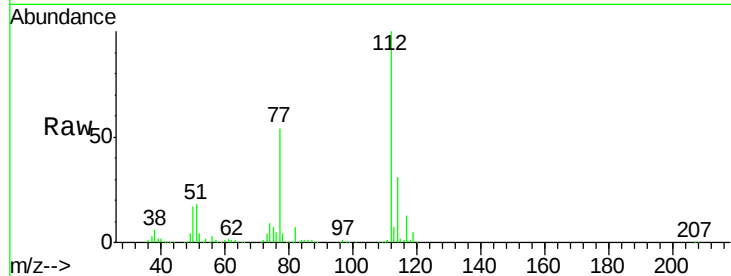
#65  
Chlorobenzene  
Concen: 51.827 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 621090  
Ion Ratio Lower Upper  
112 100  
114 30.7 26.4 39.6

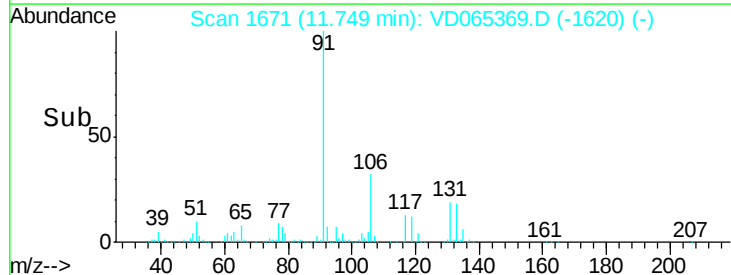
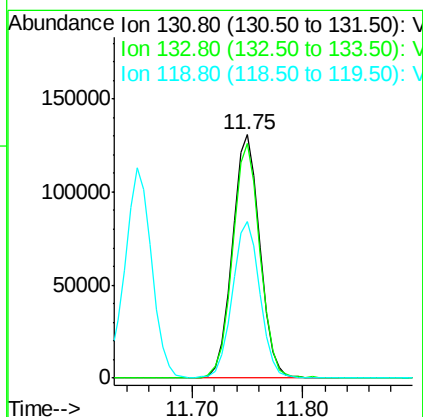
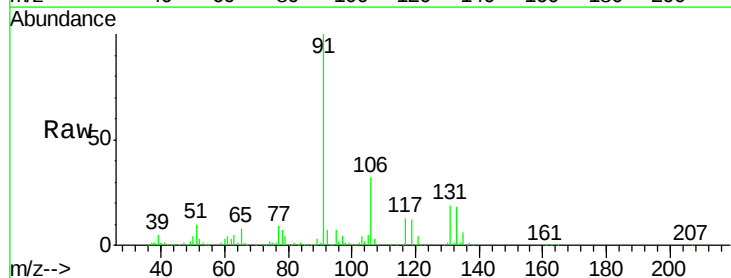
Manual Integrations  
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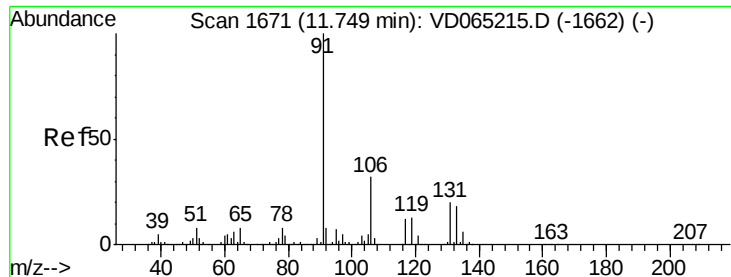
MMDadoda  
3/3/2020 11:12:00 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.020 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Tgt Ion:131 Resp: 228169  
Ion Ratio Lower Upper  
131 100  
133 96.1 47.7 143.1  
119 64.6 32.7 98.1





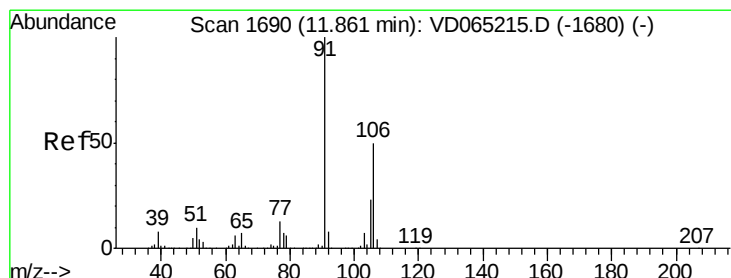
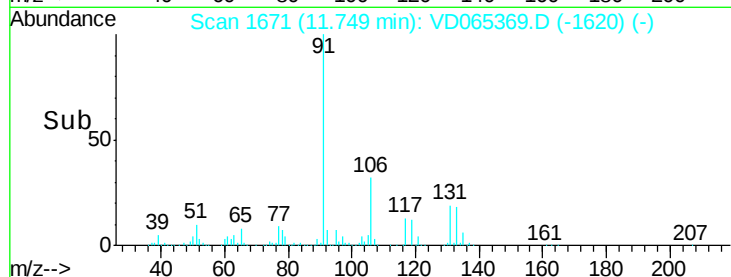
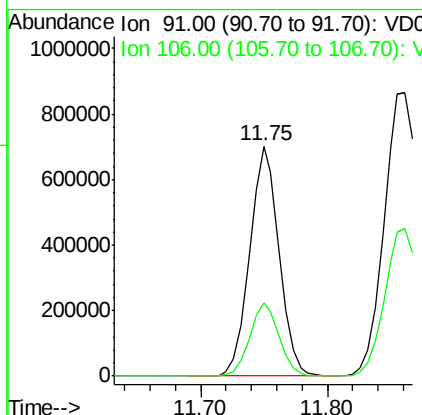
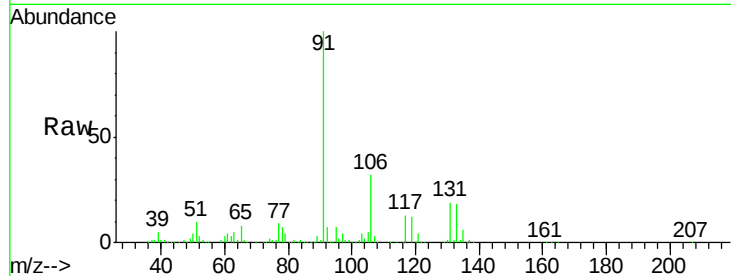
#67  
Ethyl Benzene  
Concen: 53.787 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 1128925  
Ion Ratio Lower Upper  
91 100  
106 31.8 25.2 37.8

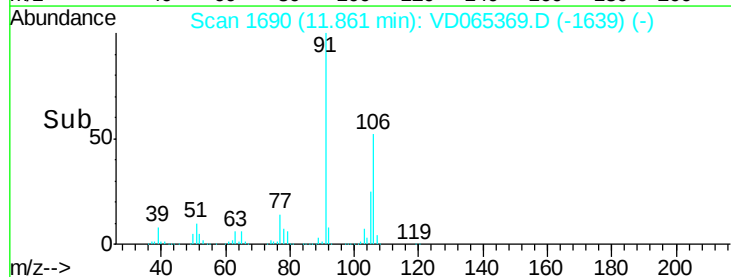
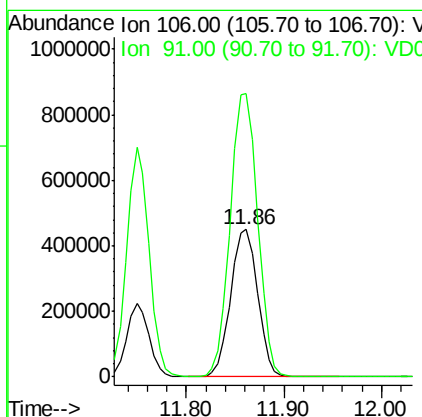
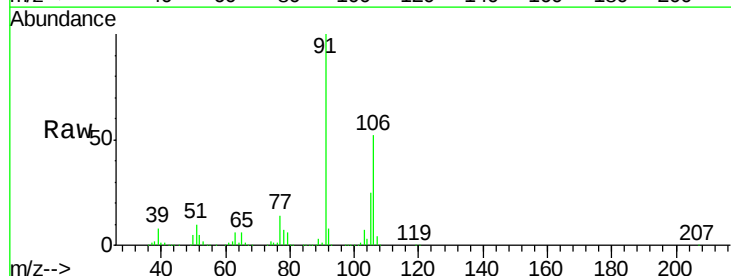
Manual Integrations  
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#68  
m/p-Xylenes  
Concen: 108.291 ug/l  
RT: 11.86 min Scan# 1690  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Tgt Ion: 106 Resp: 869586  
Ion Ratio Lower Upper  
106 100  
91 194.9 158.2 237.4





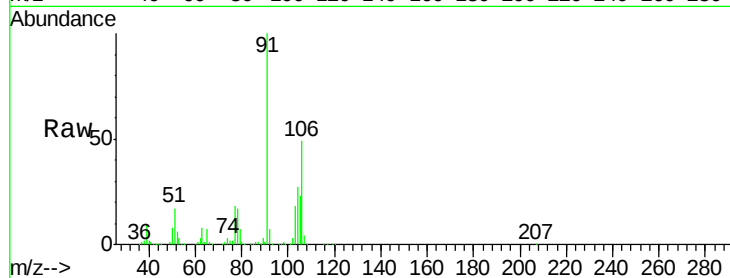
#69  
o-Xylene  
Concen: 53.953 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

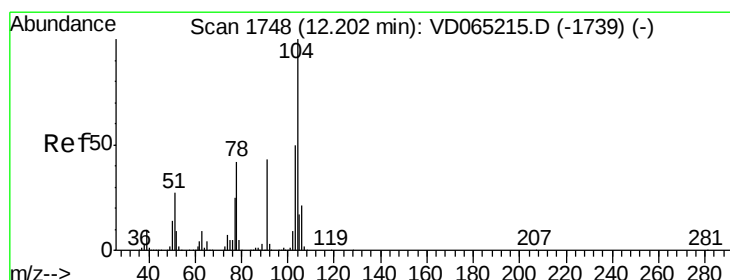
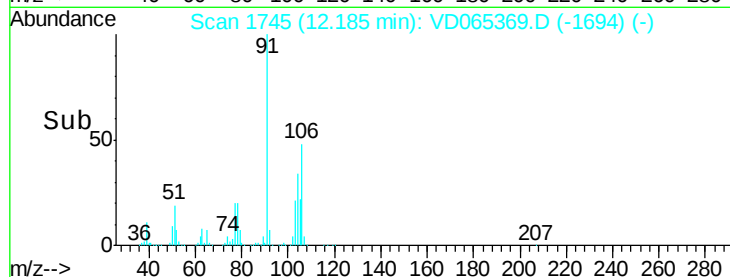
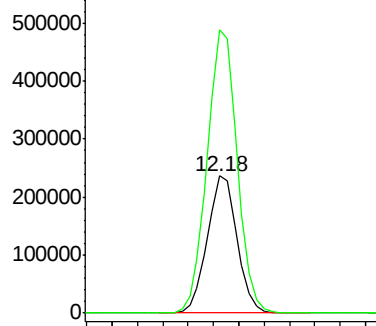
Tot Ion:106 Resp: 383837  
Ion Ratio Lower Upper  
106 100  
91 208.2 104.7 313.9

Manual Integrations  
APPROVED

MMDadoda  
3/3/2020 11:12:00 AM

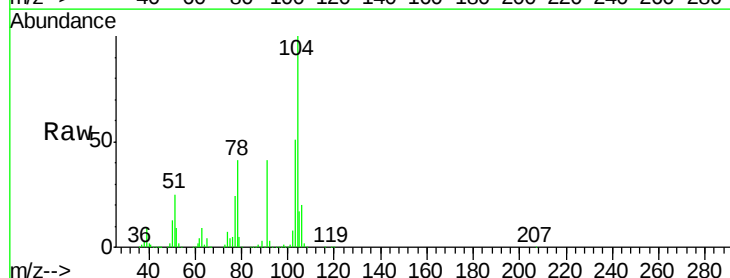


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

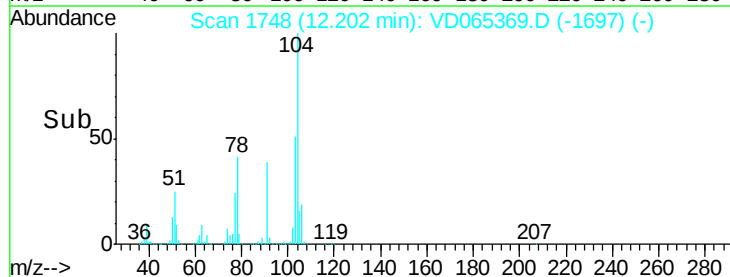
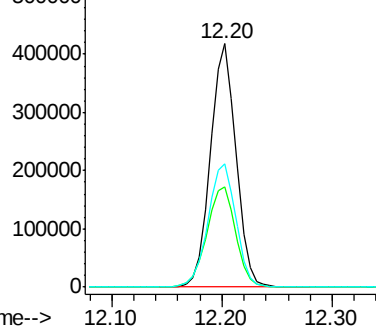


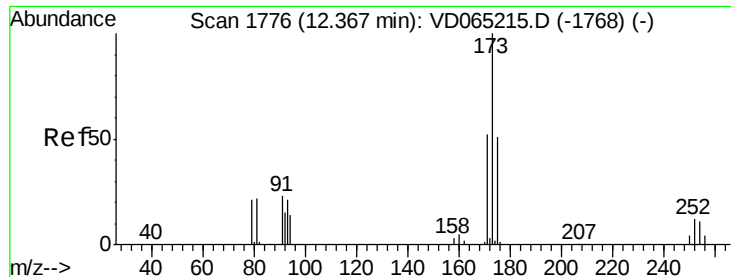
#70  
Styrene  
Concen: 54.066 ug/l  
RT: 12.20 min Scan# 1748  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Tgt Ion:104 Resp: 682911  
Ion Ratio Lower Upper  
104 100  
78 46.4 37.8 56.6  
103 55.2 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): V  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.103 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

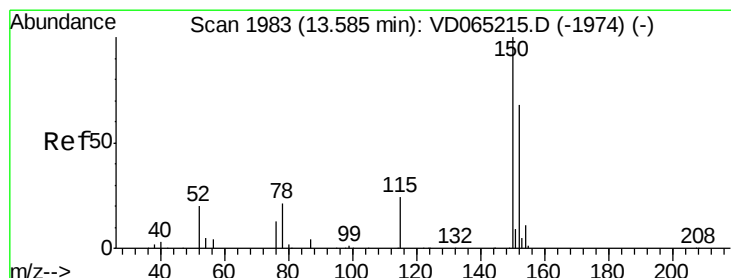
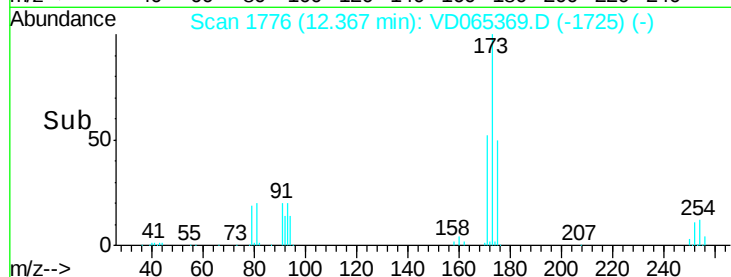
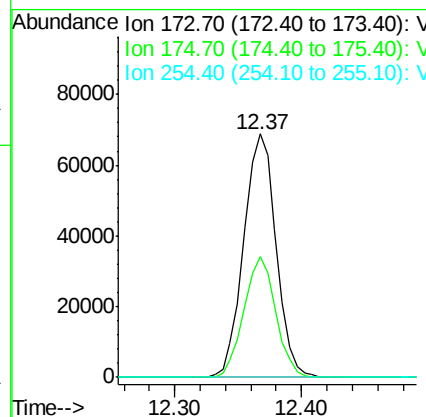
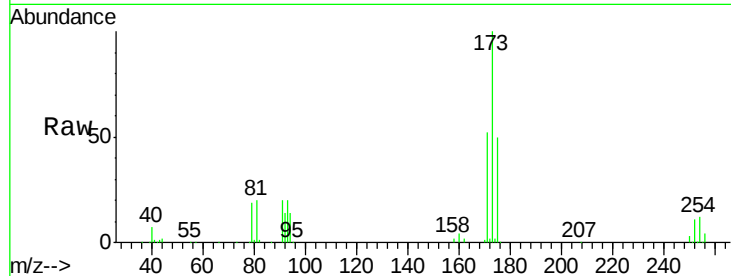
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.7  | 24.4  | 73.4  |
| 254     | 0.1   | 0.0   | 0.0   |

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

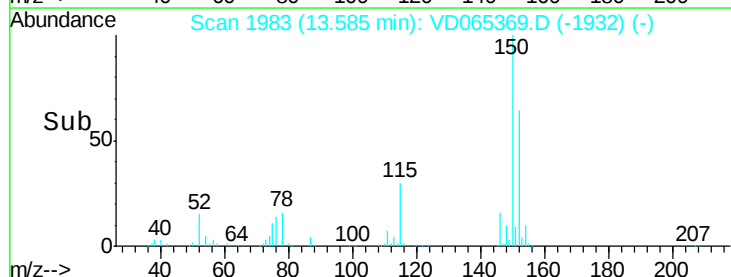
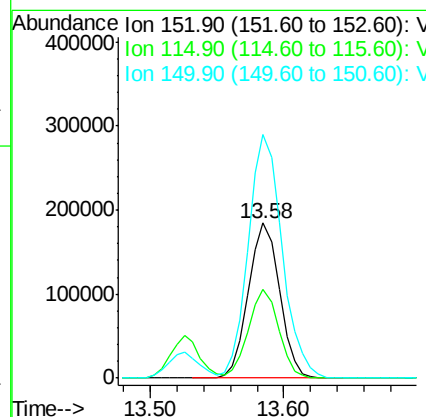
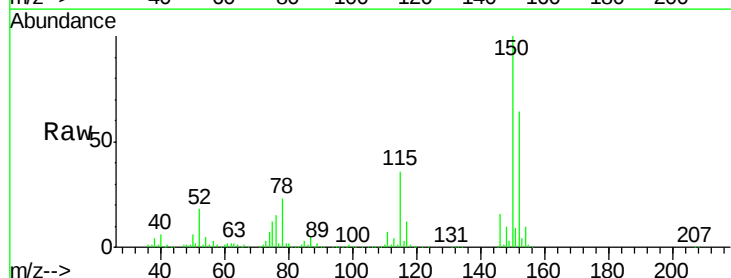
RT: 13.58 min Scan# 1983

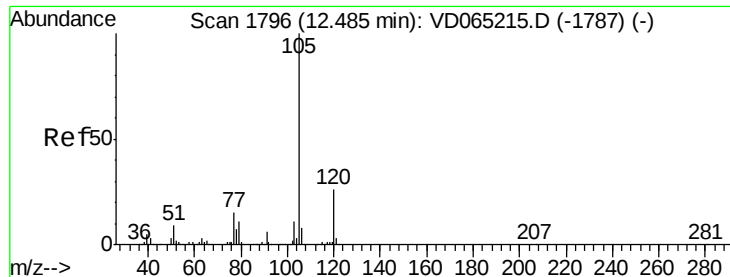
Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.6  | 27.6  | 82.8  |
| 150     | 170.7 | 0.0   | 347.4 |





#73

Isopropylbenzene

Concen: 54.837 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1077782

Ion Ratio Lower Upper

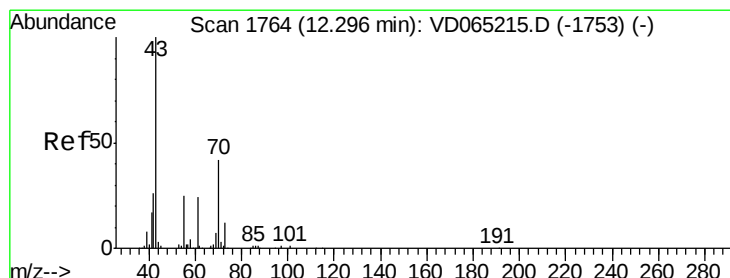
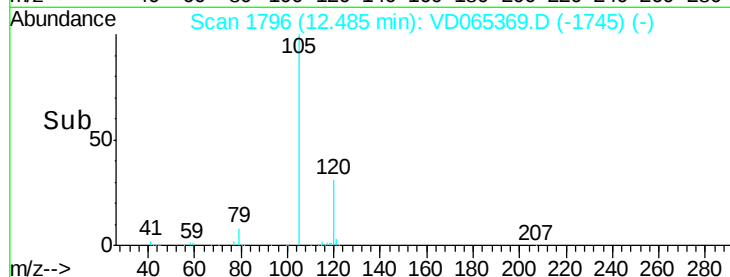
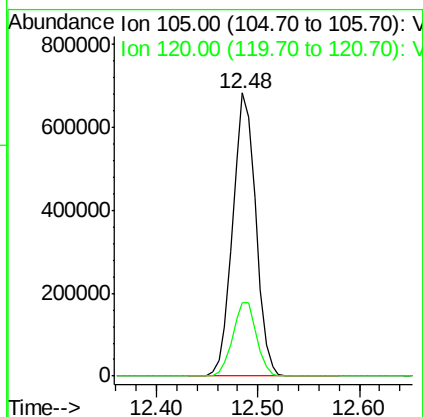
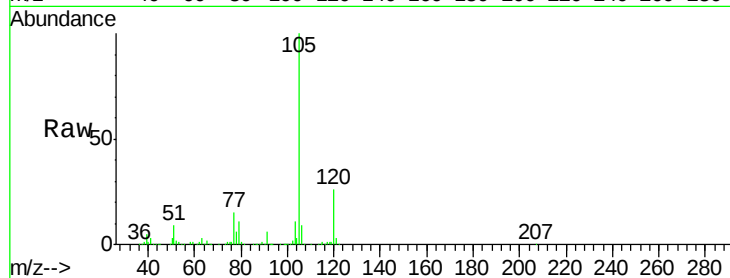
105 100

120 26.8 13.3 39.9

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#74

N-ethyl acetate

Concen: 44.865 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Tgt Ion: 43 Resp: 195937

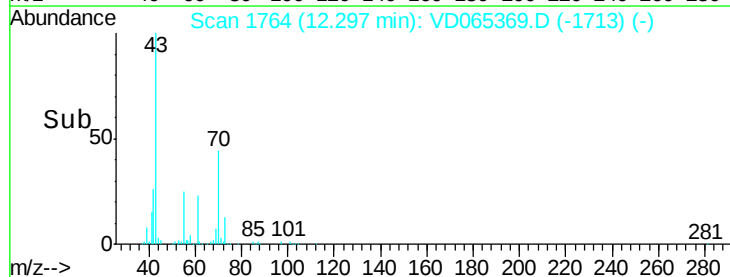
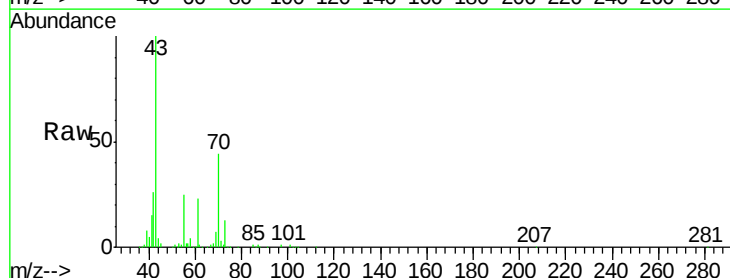
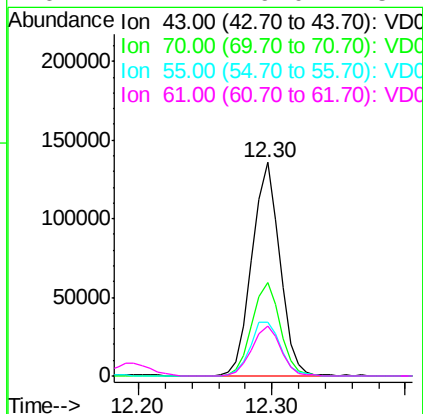
Ion Ratio Lower Upper

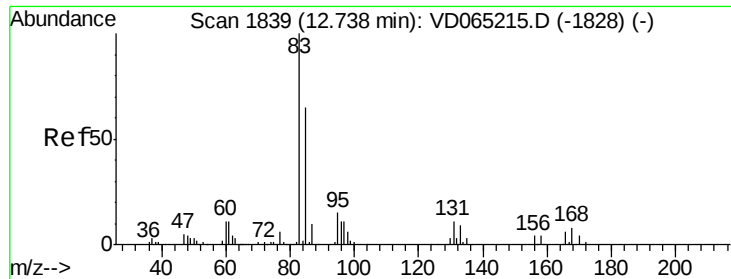
43 100

70 44.1 33.7 50.5

55 27.5 20.7 31.1

61 24.1 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 46.443 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

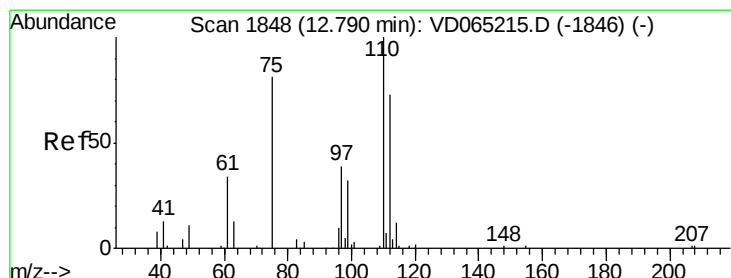
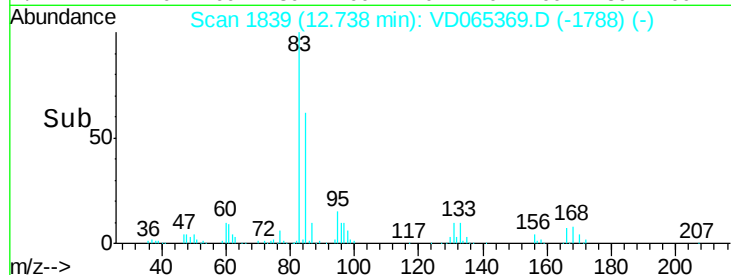
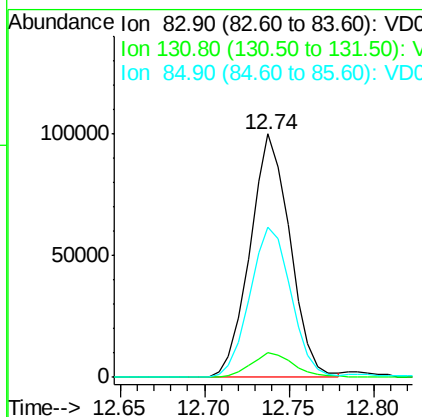
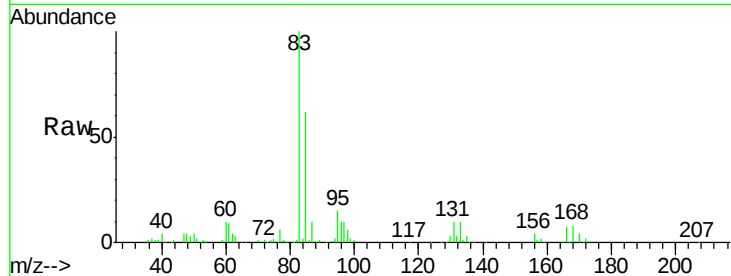
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 164739 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.9  | 5.4   | 16.2   |
| 85        | 63.7  | 31.6  | 94.8   |

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#76

1,2,3-Trichloropropane

Concen: 44.545 ug/l m

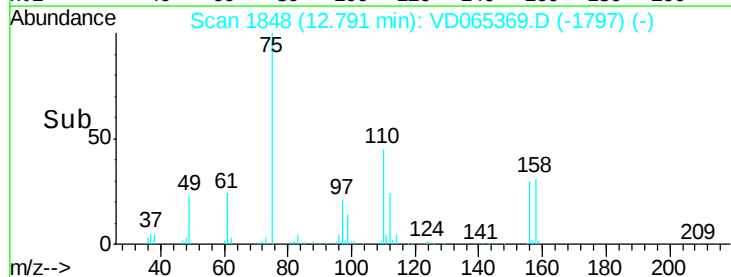
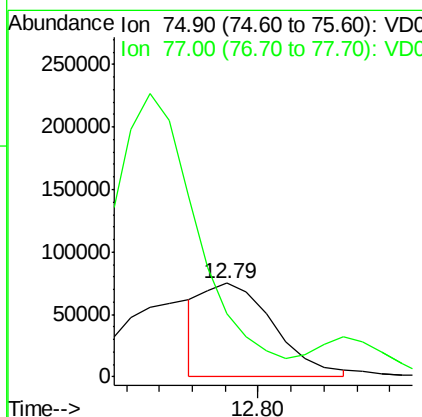
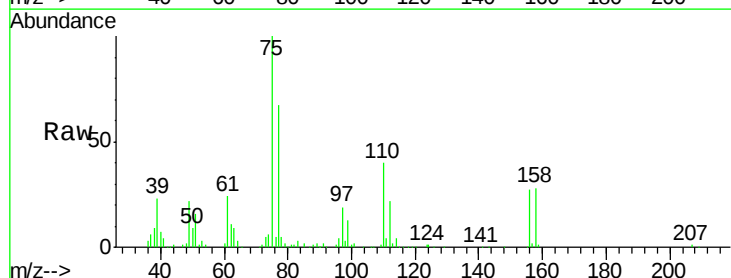
RT: 12.79 min Scan# 1848

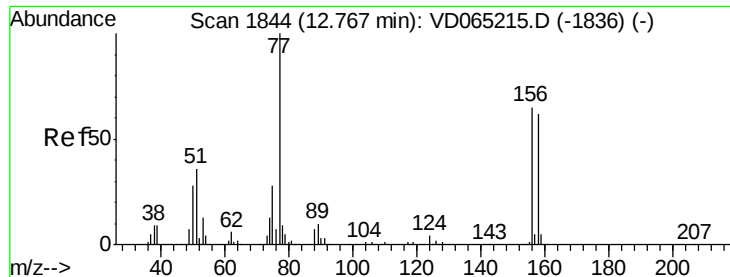
Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 112513 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 50.896 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

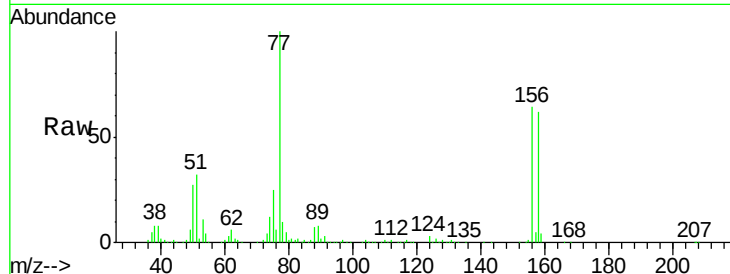
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 169.9 | 86.6  | 259.7 |
| 158     | 97.4  | 48.1  | 144.3 |

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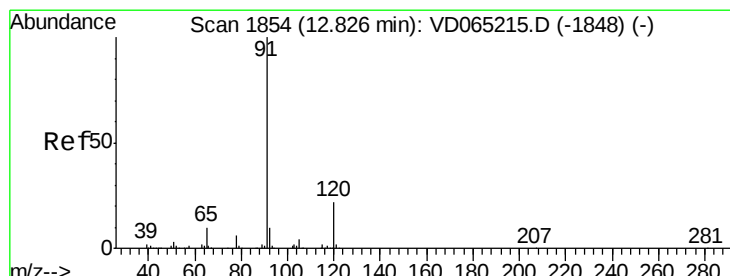
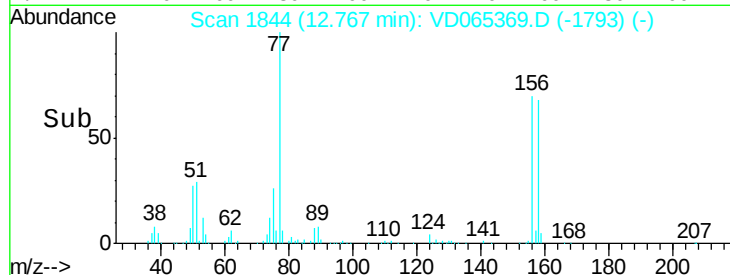
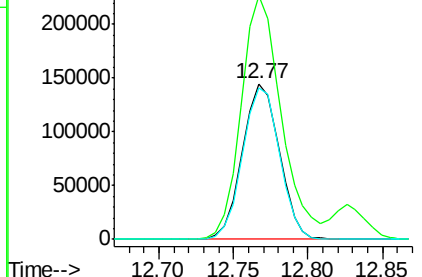
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.770 ug/l

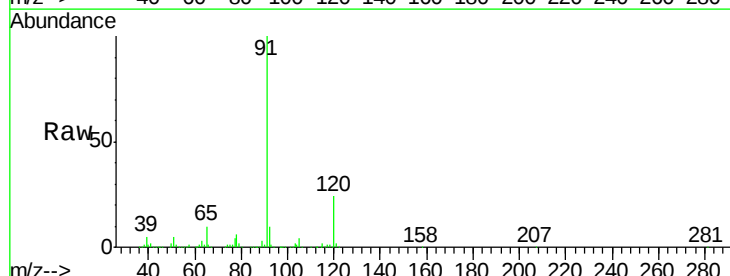
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065369.D

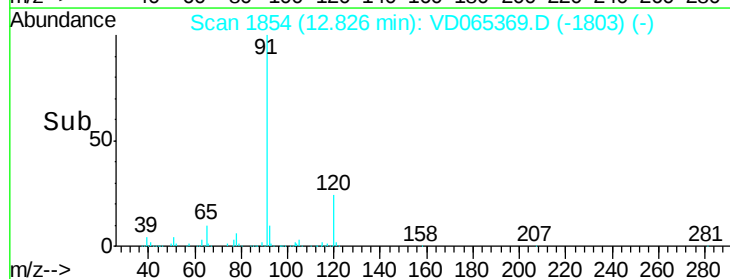
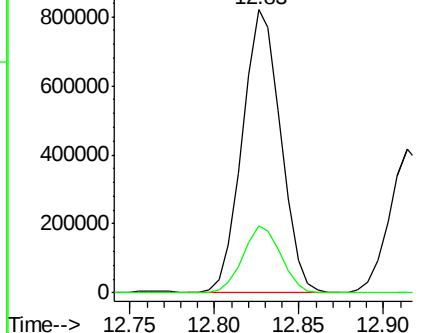
Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.5  | 11.5  | 34.5  |



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.687 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 697125

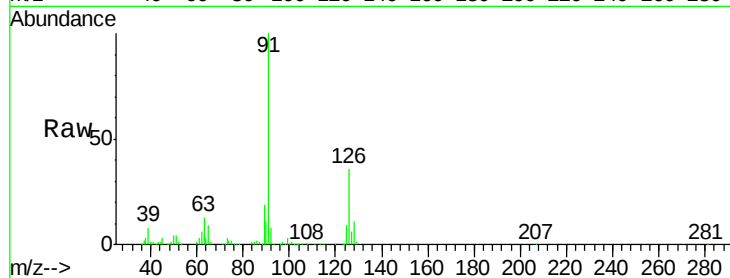
Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065215.D (-1862) (-)

800000

600000

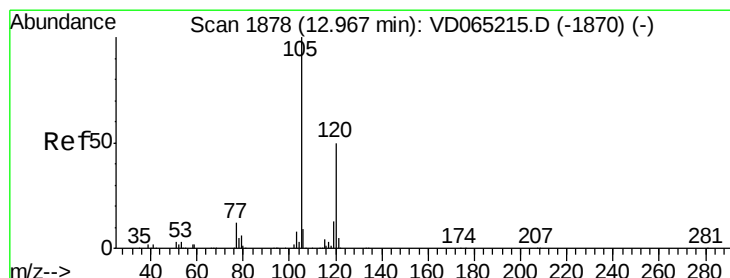
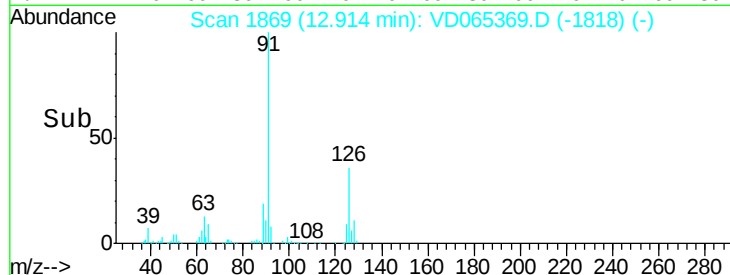
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.694 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065369.D

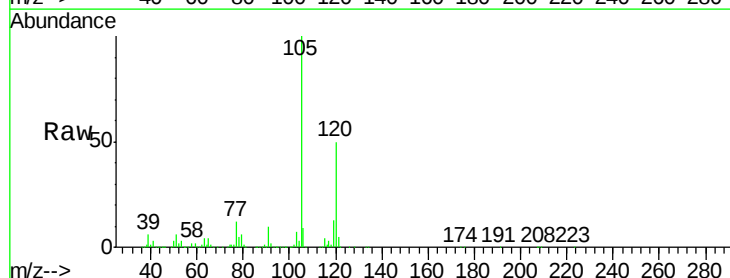
Acq: 02 Mar 2020 10:04

Tgt Ion: 105 Resp: 885375

Ion Ratio Lower Upper

105 100

120 51.0 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065215.D (-1870) (-)

600000

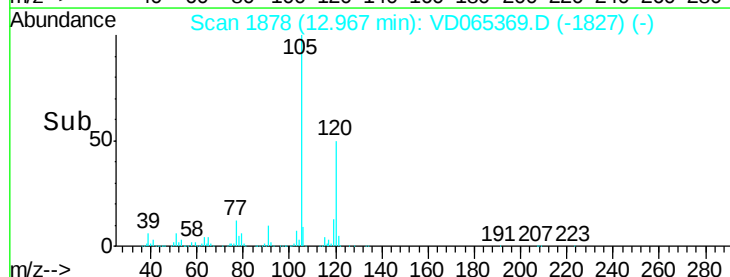
400000

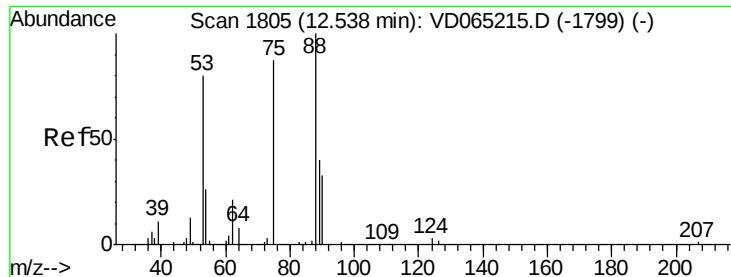
200000

0

12.90 13.00

Time-->





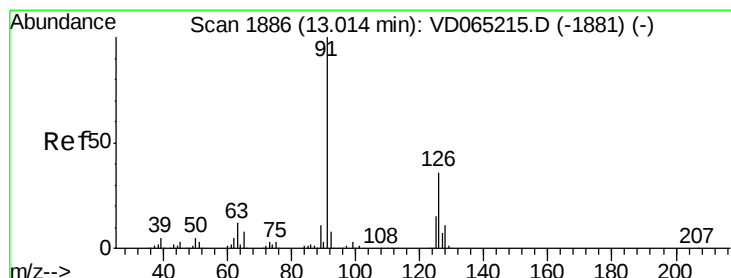
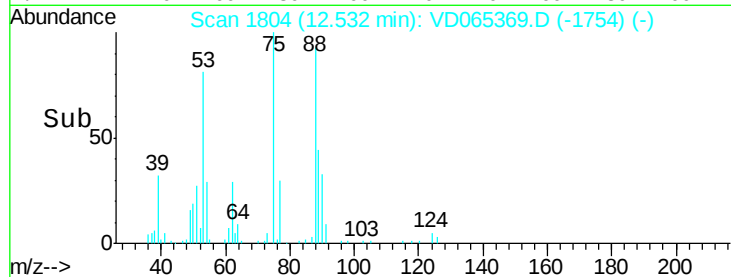
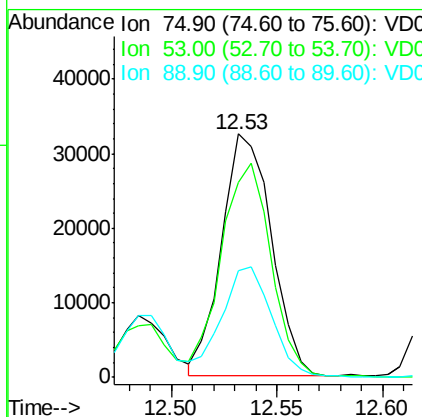
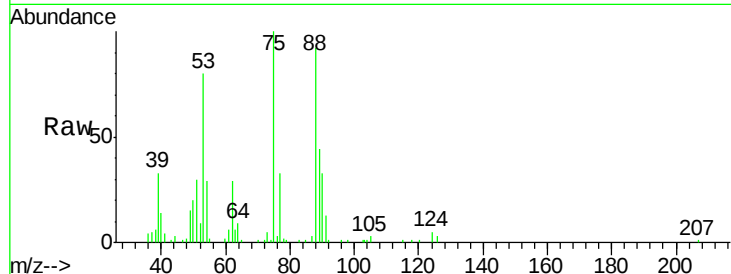
#81  
trans-1,4-Dichloro-2-butene  
Concen: 45.394 ug/l  
RT: 12.53 min Scan# 1804  
Delta R.T. -0.01 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 89.0  | 77.6  | 116.4 |
| 89      | 46.2  | 37.2  | 55.8  |

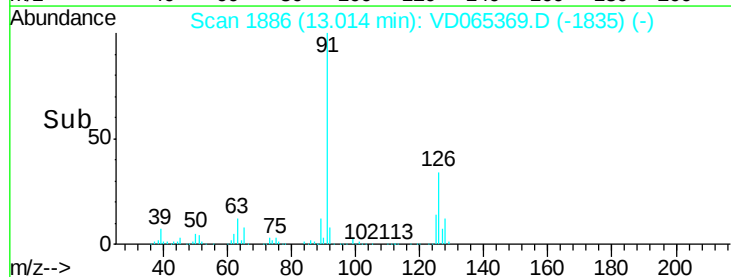
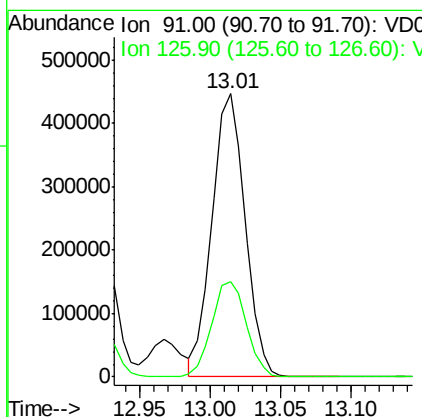
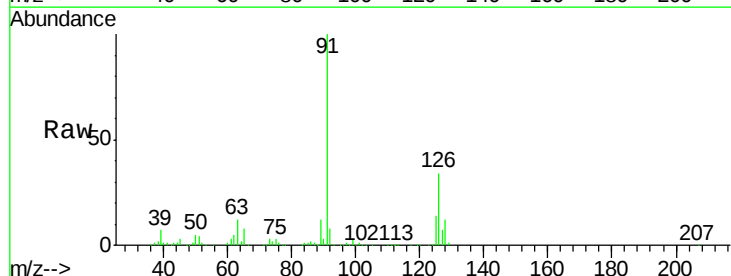
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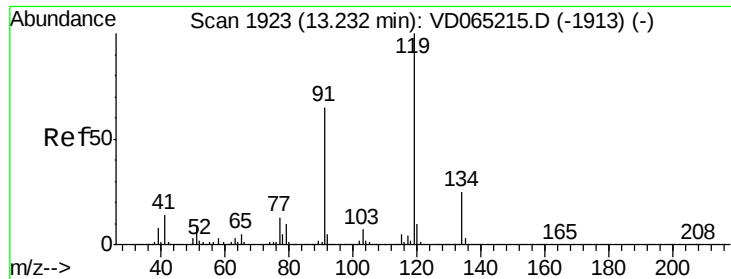
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#82  
4-Chlorotoluene  
Concen: 51.812 ug/l  
RT: 13.01 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.5  | 17.4  | 52.3  |





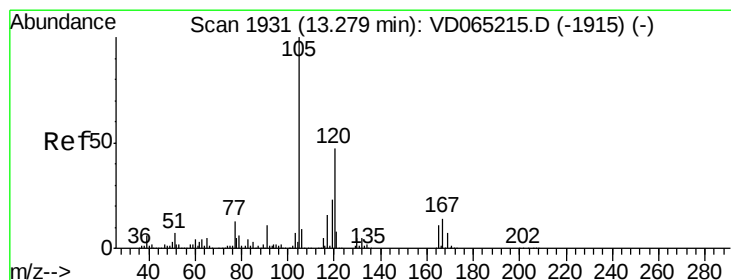
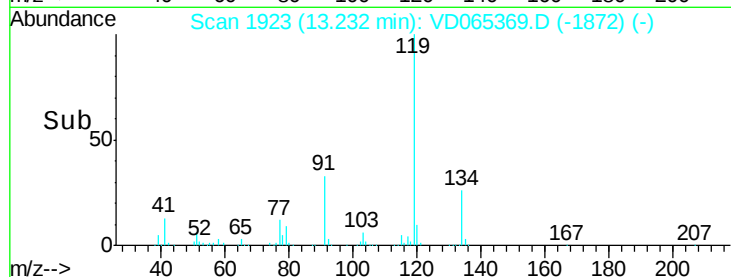
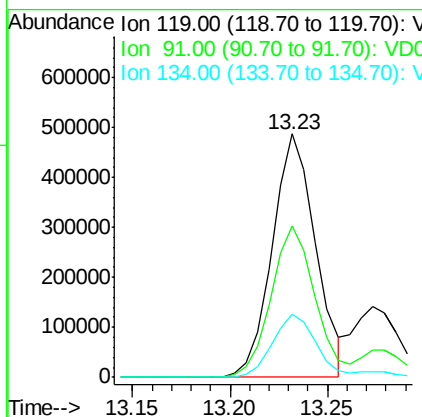
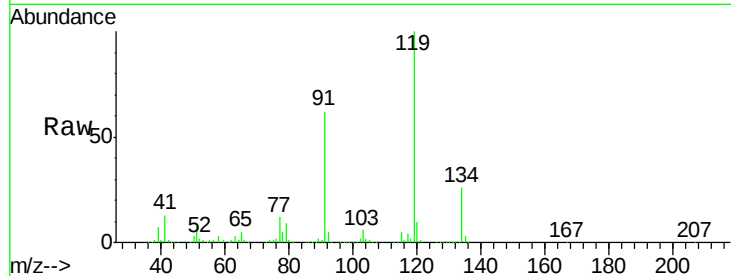
#83  
 tert-Butylbenzene  
 Concen: 55.201 ug/l  
 RT: 13.23 min Scan# 1923  
 Delta R.T. 0.00 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 63.2  | 31.9  | 95.5  |
| 134     | 28.0  | 13.8  | 41.3  |

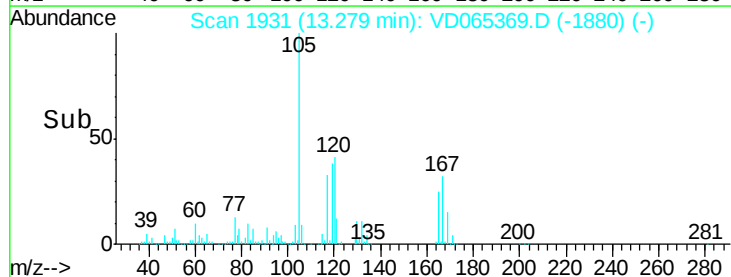
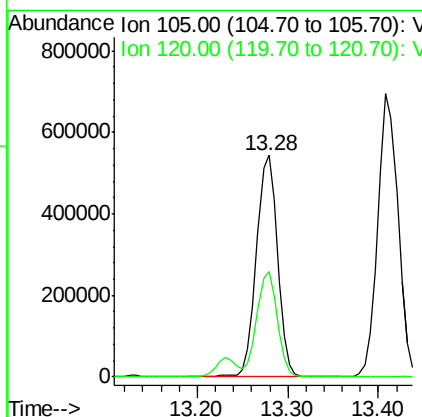
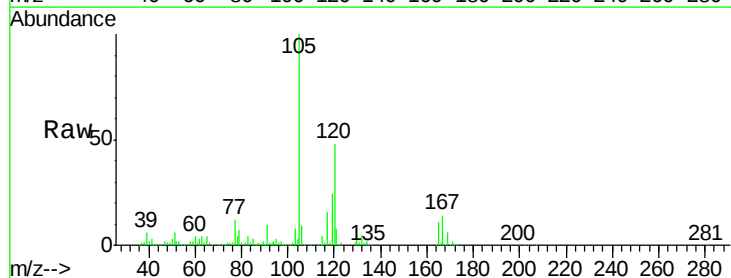
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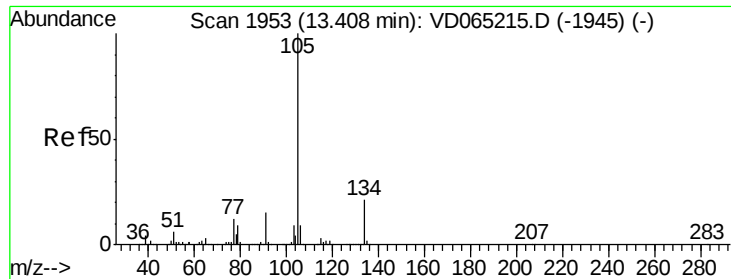
MMDadoda  
 3/3/2020 11:12:00 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 54.288 ug/l  
 RT: 13.28 min Scan# 1931  
 Delta R.T. 0.00 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.5  | 23.3  | 69.9  |





#85

sec-Butylbenzene

Concen: 54.896 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1073199

Ion Ratio Lower Upper

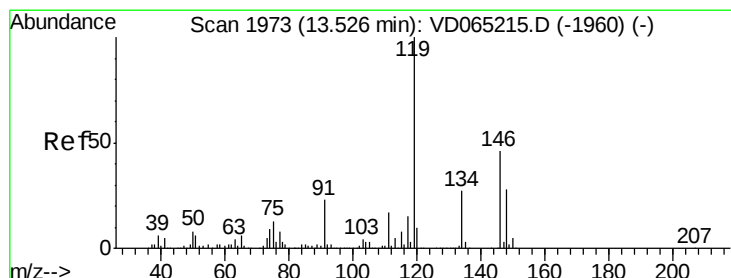
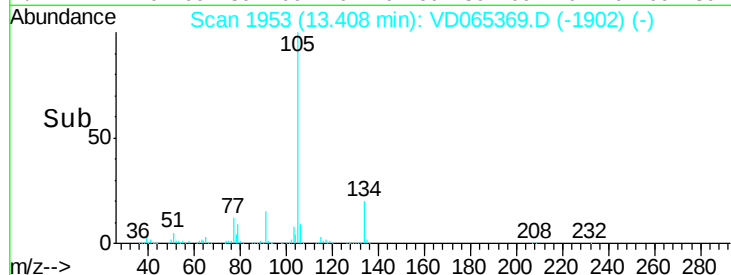
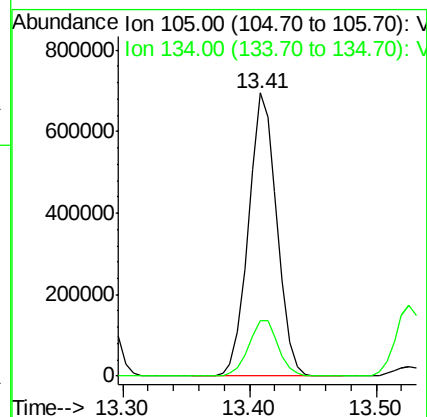
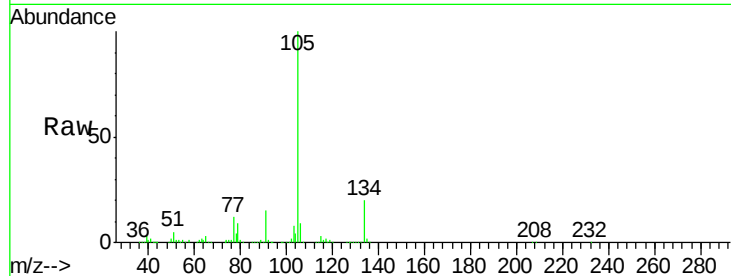
105 100

134 20.6 10.3 30.9

Manual Integrations  
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#86

p-Isopropyltoluene

Concen: 55.191 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065369.D

Acq: 02 Mar 2020 10:04

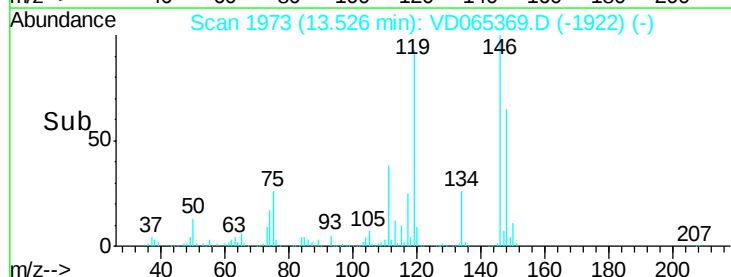
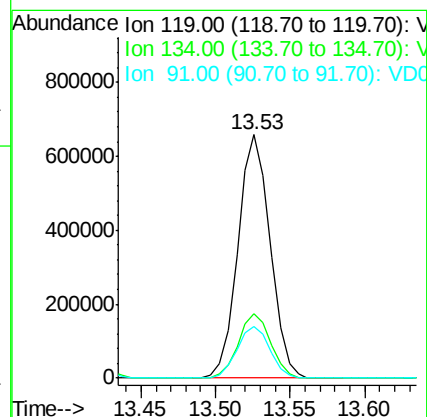
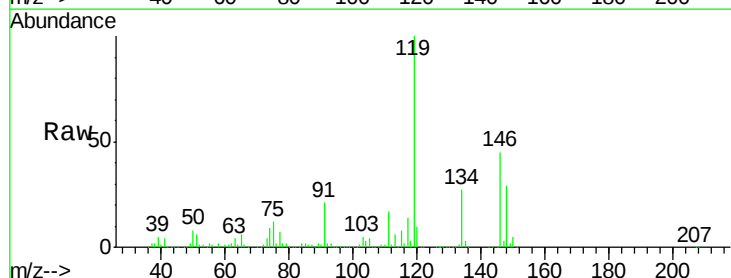
Tgt Ion:119 Resp: 986713

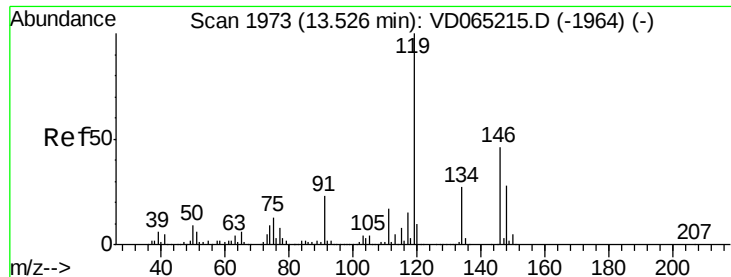
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 21.8 11.1 33.1





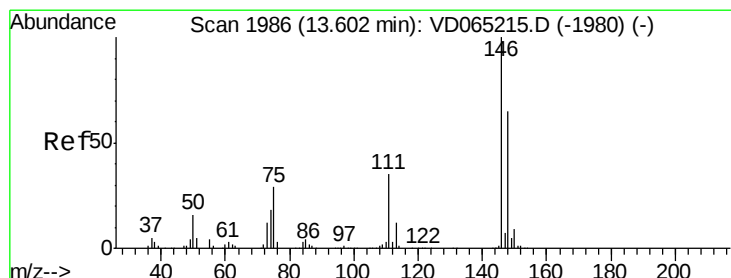
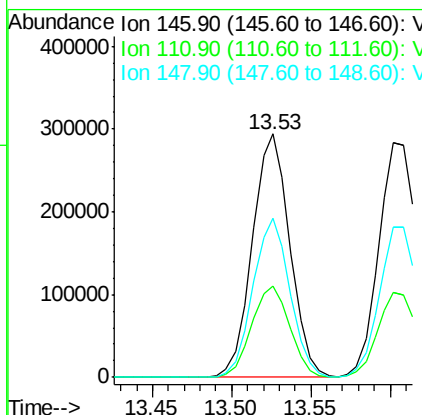
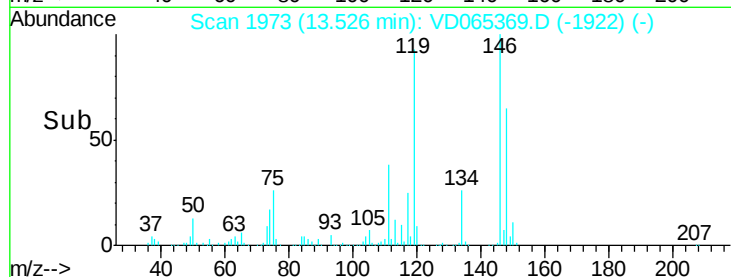
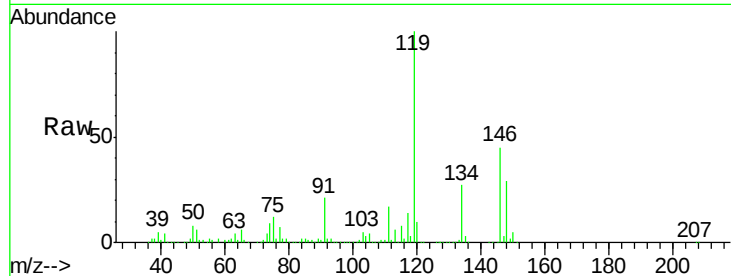
#87  
 1,3-Dichlorobenzene  
 Concen: 51.198 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. 0.00 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.2  | 18.6  | 55.8  |
| 148     | 64.6  | 31.4  | 94.3  |

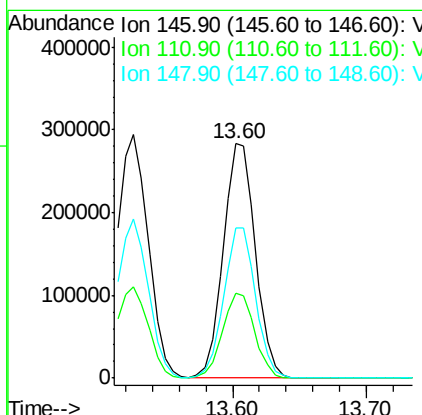
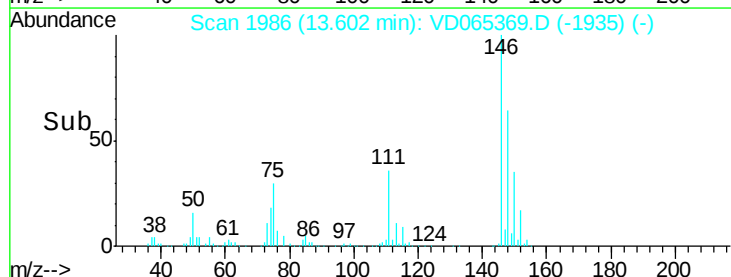
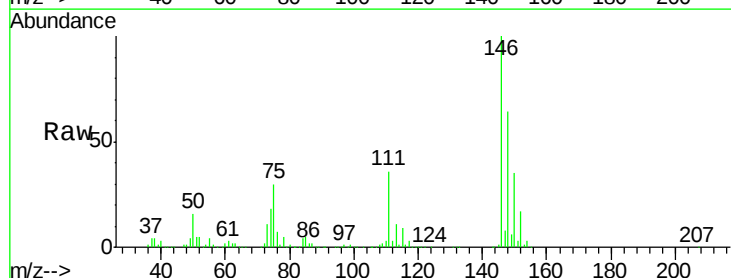
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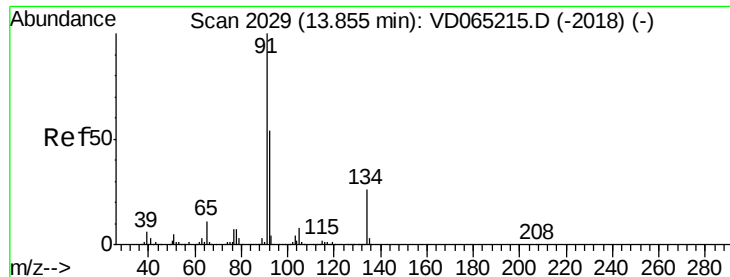
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 51.266 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.4  | 18.4  | 55.2  |
| 148     | 63.6  | 32.1  | 96.5  |





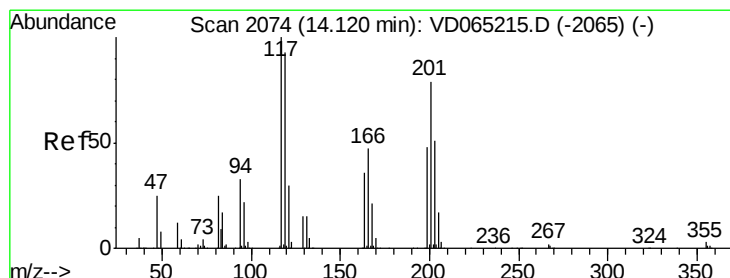
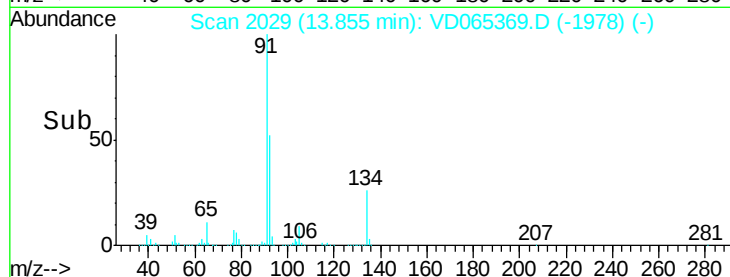
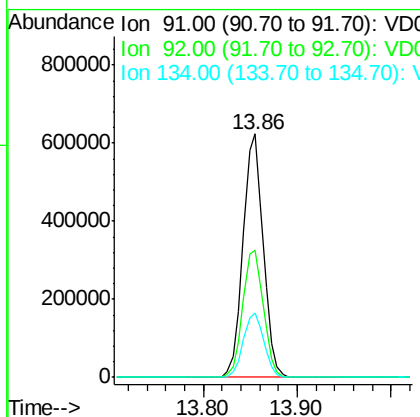
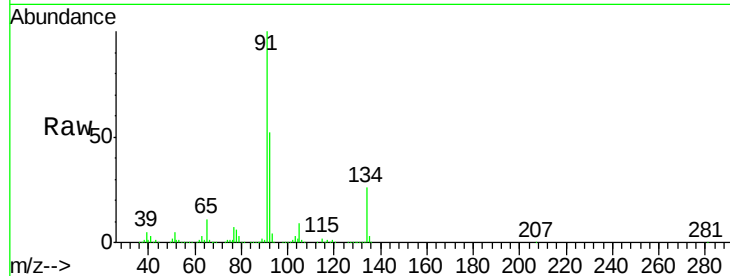
#89  
n-Butylbenzene  
Concen: 56.121 ug/l  
RT: 13.86 min Scan# 2029  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 91      | 100  |       |      |       |       |
| 92      | 53.5 | 27.0  | 80.8 |       |       |
| 134     | 26.8 | 13.5  | 40.4 |       |       |

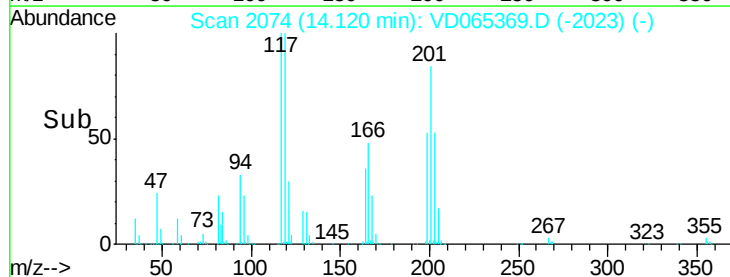
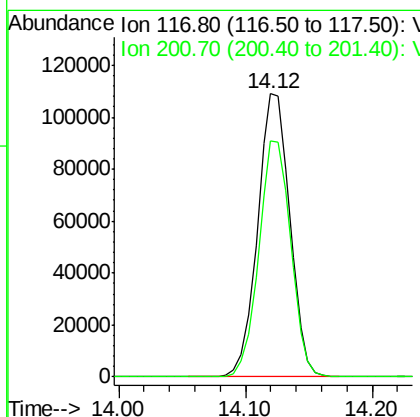
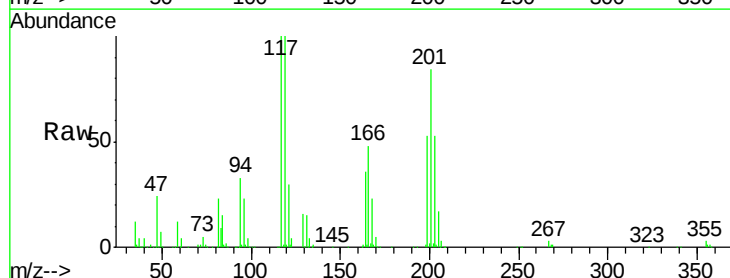
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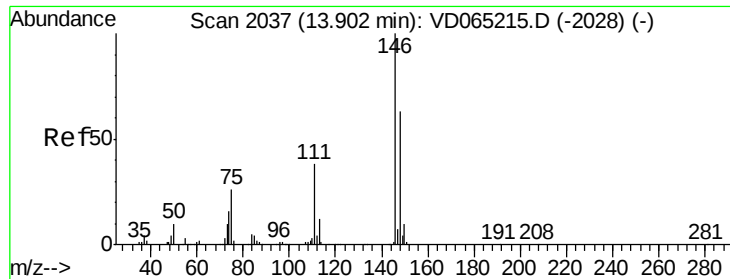
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#90  
Hexachloroethane  
Concen: 53.195 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 117     | 100  |       |       |       |       |
| 201     | 82.8 | 41.3  | 124.1 |       |       |





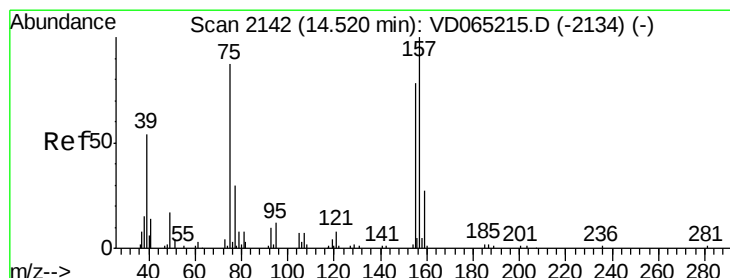
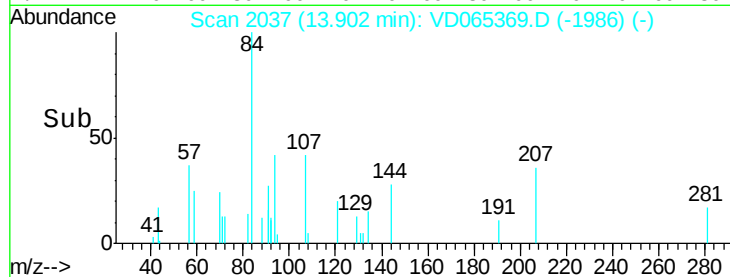
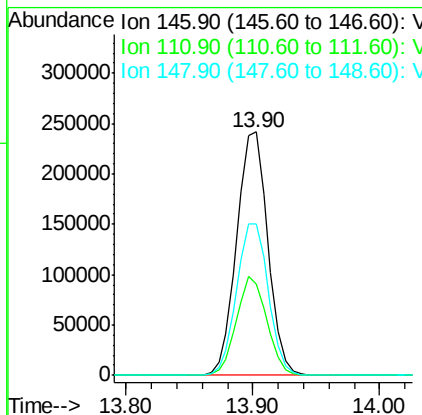
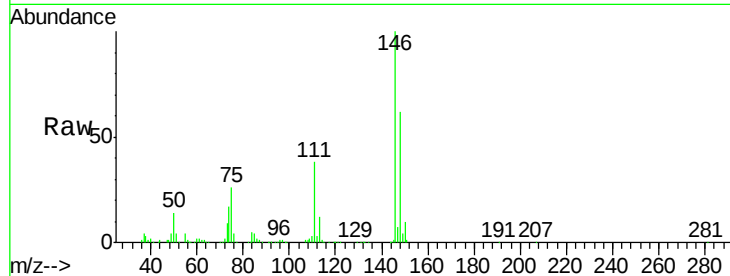
#91  
 1,2-Dichlorobenzene  
 Concen: 50.809 ug/l  
 RT: 13.90 min Scan# 2037  
 Delta R.T. 0.00 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.4  | 19.7  | 59.0  |
| 148     | 63.7  | 32.0  | 96.2  |

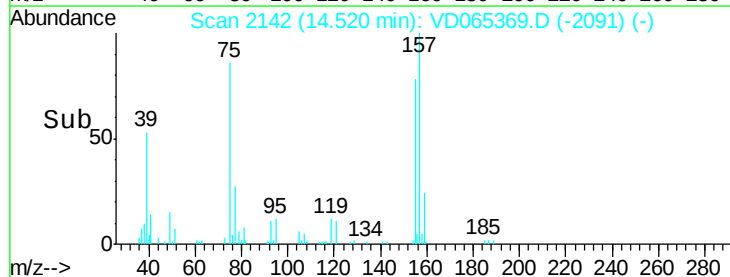
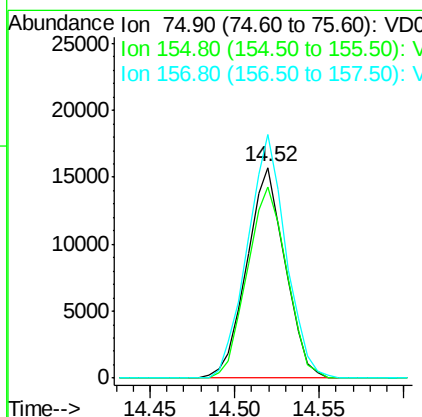
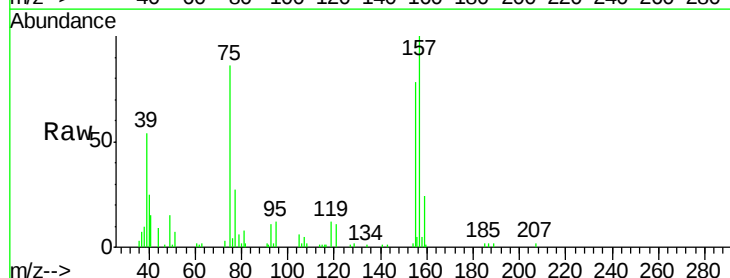
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.495 ug/l  
 RT: 14.52 min Scan# 2142  
 Delta R.T. 0.00 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 93.3  | 42.3  | 126.9 |
| 157     | 116.3 | 56.7  | 170.1 |





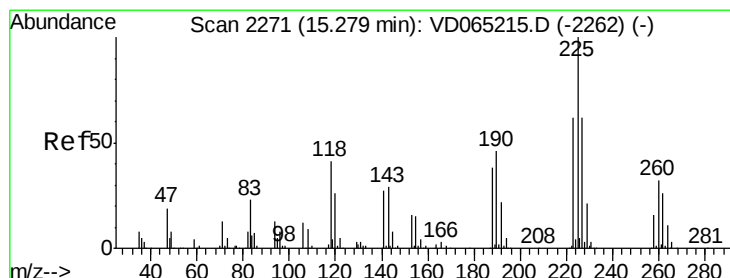
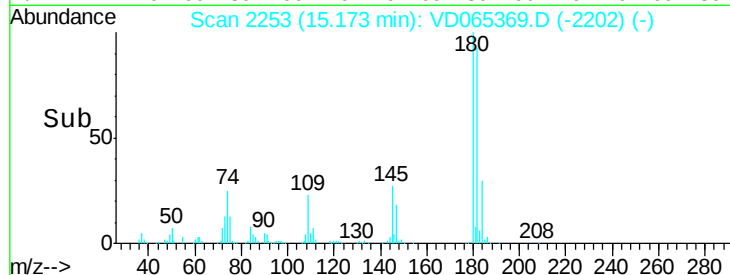
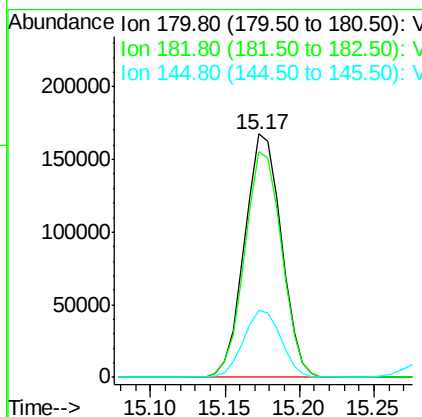
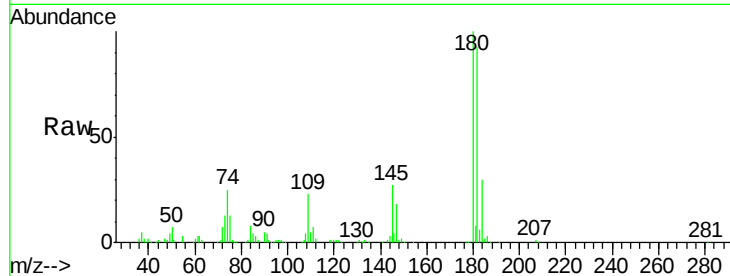
#93  
 1,2,4-Trichlorobenzene  
 Concen: 54.050 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. 0.00 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 286415 |       |       |
| 182     | 93.2  | 46.9   | 140.6 |       |
| 145     | 27.9  | 13.9   | 41.7  |       |

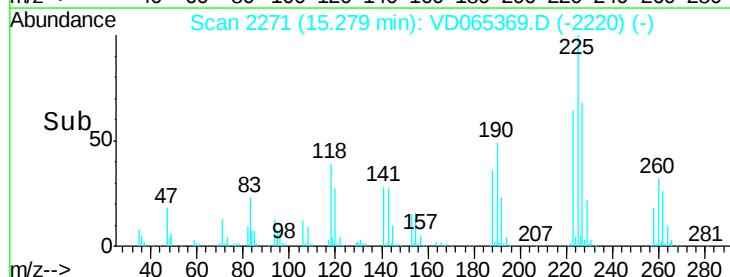
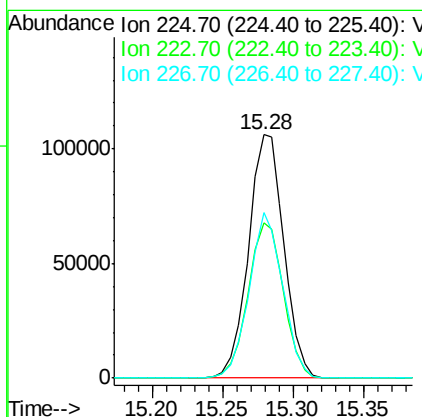
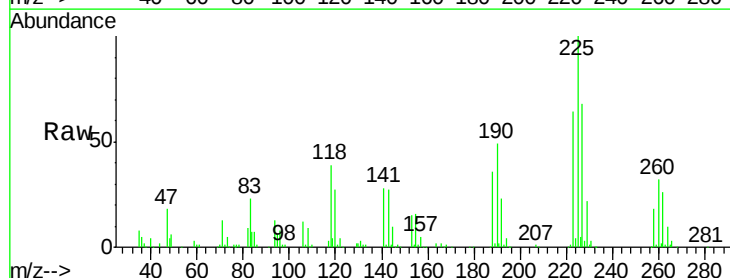
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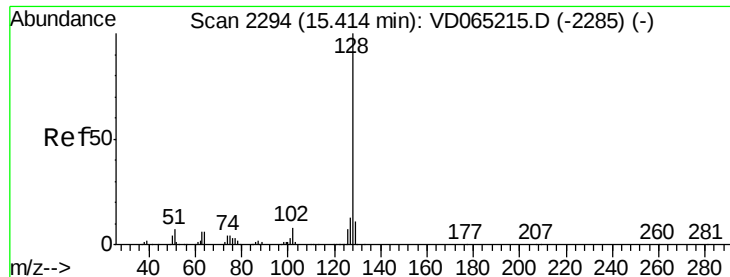
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 3/3/2020 11:12:00 AM



#94  
 Hexachlorobutadiene  
 Concen: 54.978 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.00 min  
 Lab File: VD065369.D  
 Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 186885 |       |       |
| 223     | 63.8  | 31.4   | 94.2  |       |
| 227     | 64.4  | 31.7   | 95.1  |       |





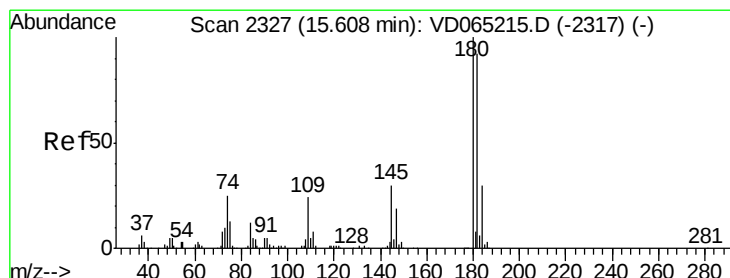
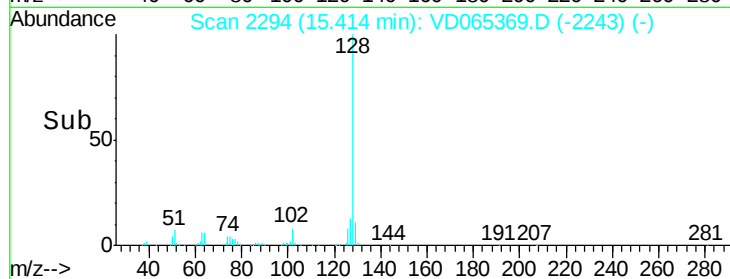
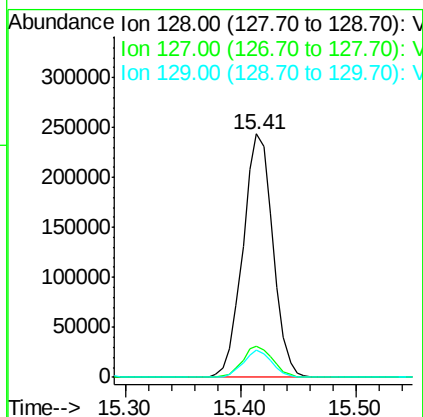
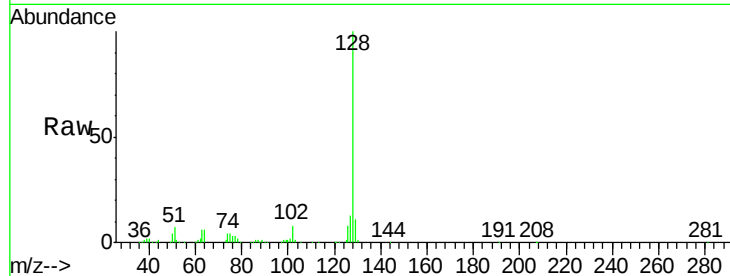
#95  
Naphthalene  
Concen: 50.989 ug/l  
RT: 15.41 min Scan# 2294  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.3  | 15.5  |
| 129     | 10.8  | 8.8   | 13.2  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 52.078 ug/l  
RT: 15.61 min Scan# 2327  
Delta R.T. 0.00 min  
Lab File: VD065369.D  
Acq: 02 Mar 2020 10:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.6  | 46.9  | 140.6 |
| 145     | 30.6  | 15.4  | 46.1  |

