

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\  
 Data File : VD065408.D  
 Acq On : 04 Mar 2020 12:28  
 Operator : VA/SY  
 Sample : VSTDICC100  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

MMDadoda  
 3/5/2020 1:38:33 PM

Quant Time: Mar 04 16:22:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 15:55:15 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 505927   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 734348   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 665295   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 323220   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.34   | 65  | 409663   | 93.88 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 187.76% |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 430983   | 94.65 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 189.30% |      |
| 50) Toluene-d8            | 10.34  | 98  | 1718662  | 98.30 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 196.60% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 540058   | 98.84 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 197.68% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 383382  | 87.390  | ug/l | 99     |
| 3) Chloromethane              | 2.21 | 50  | 469252  | 89.293  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.35 | 62  | 477276  | 91.847  | ug/l | 97     |
| 5) Bromomethane               | 2.76 | 94  | 283497  | 84.908  | ug/l | 100    |
| 6) Chloroethane               | 2.92 | 64  | 291645  | 91.960  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 694174  | 90.608  | ug/l | 100    |
| 8) Diethyl Ether              | 3.71 | 74  | 216691  | 94.724  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.08 | 101 | 456119  | 92.493  | ug/l | 99     |
| 10) Methyl Iodide             | 4.30 | 142 | 556362  | 109.270 | ug/l | 98     |
| 11) Tert butyl alcohol        | 5.25 | 59  | 119557  | 506.614 | ug/l | 97     |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 443651  | 94.024  | ug/l | 94     |
| 13) Acrolein                  | 3.93 | 56  | 207922  | 482.921 | ug/l | 99     |
| 14) Allyl chloride            | 4.71 | 41  | 714568  | 98.300  | ug/l | 99     |
| 15) Acrylonitrile             | 5.43 | 53  | 487630  | 485.220 | ug/l | 99     |
| 16) Acetone                   | 4.17 | 43  | 416244  | 467.672 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.40 | 76  | 1471518 | 93.417  | ug/l | 100    |
| 18) Methyl Acetate            | 4.73 | 43  | 214035  | 94.064  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 925327  | 100.891 | ug/l | 98     |
| 20) Methylene Chloride        | 4.96 | 84  | 462056  | 83.738  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 504425  | 95.838  | ug/l | 98     |
| 22) Diisopropyl ether         | 6.37 | 45  | 1345727 | 98.654  | ug/l | 98     |
| 23) Vinyl Acetate             | 6.31 | 43  | 4006118 | 529.563 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 812277  | 93.748  | ug/l | 98     |
| 25) 2-Butanone                | 7.22 | 43  | 605472  | 497.232 | ug/l | 97     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 713689  | 94.240  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 529251  | 98.055  | ug/l | 98     |
| 28) Bromochloromethane        | 7.55 | 49  | 333209  | 94.800  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 390582  | 499.317 | ug/l | 98     |
| 30) Chloroform                | 7.71 | 83  | 813951  | 93.413  | ug/l | 95     |
| 31) Cyclohexane               | 7.98 | 56  | 812425  | 94.227  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.91 | 97  | 752183  | 94.060  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 677051  | 95.866  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.30 | 43  | 270820  | 97.973  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 698381  | 95.804  | ug/l | 97     |

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Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDICC100

Manual Integrations  
 APPROVED

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 3/5/2020 1:38:33 PM

Quant Time: Mar 04 16:22:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 15:55:15 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 887194   | 105.136  | ug/l   | 94       |
| 40) Benzene                    | 8.36  | 78   | 1891143  | 95.525   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.53  | 41   | 155918   | 110.997  | ug/l # | 87       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 499551   | 95.895   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 507229   | 100.269  | ug/l   | 100      |
| 44) Trichloroethene            | 9.11  | 130  | 538577   | 96.907   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 462653   | 96.222   | ug/l   | 97       |
| 46) Dibromomethane             | 9.48  | 93   | 240166   | 96.069   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.67  | 83   | 618477   | 95.293   | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.46  | 41   | 248048   | 103.656  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 58169    | 2021.425 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.24 | 43   | 1317709  | 515.068  | ug/l   | 100      |
| 52) Toluene                    | 10.41 | 92   | 1219156  | 97.641   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 618403   | 101.266  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.10 | 75   | 740387   | 100.390  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.81 | 97   | 336932   | 95.297   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 437539   | 109.154  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 581433   | 96.903   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.95  | 63   | 603489   | 423.496  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.99 | 43   | 928876   | 523.751  | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.15 | 129  | 438556   | 96.331   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.26 | 107  | 329801   | 97.669   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.88 | 164  | 461385   | 96.549   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.68 | 112  | 1263409  | 95.460   | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 461888   | 95.589   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.75 | 91   | 2303278  | 100.951  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.86 | 106  | 1756076  | 199.648  | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 800527   | 103.475  | ug/l   | 99       |
| 70) Styrene                    | 12.20 | 104  | 1386156  | 101.573  | ug/l   | 100      |
| 71) Bromoform                  | 12.37 | 173  | 262643   | 96.355   | ug/l   | 99       |
| 73) Isopropylbenzene           | 12.48 | 105  | 2210285  | 104.121  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.30 | 43   | 467579   | 106.667  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 364440   | 96.777   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 255607m  | 57.258   | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 520975   | 97.877   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.83 | 91   | 2588840  | 102.475  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 1421093  | 99.992   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 1790584  | 102.457  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.54 | 75   | 126788   | 104.670  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 1482027  | 98.908   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 1592476  | 107.925  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.28 | 105  | 1777956  | 103.057  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.41 | 105  | 2175190  | 103.284  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 2020652  | 105.107  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 980067   | 96.408   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.61 | 146  | 976365   | 96.277   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.85 | 91   | 1869415  | 105.369  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.13 | 117  | 388263   | 97.805   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 844610   | 96.917   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 55132    | 95.379   | ug/l   | 99       |

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Sample : VSTDICC100  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

Manual Integrations  
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3/5/2020 1:38:33 PM

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Quant Title : SW846 8260  
QLast Update : Wed Mar 04 15:55:15 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.18 | 180  | 611303   | 104.276 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 380194   | 99.143  | ug/l  | 99       |
| 95) Naphthalene            | 15.41 | 128  | 1055654  | 111.979 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 527718   | 103.636 | ug/l  | 98       |

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

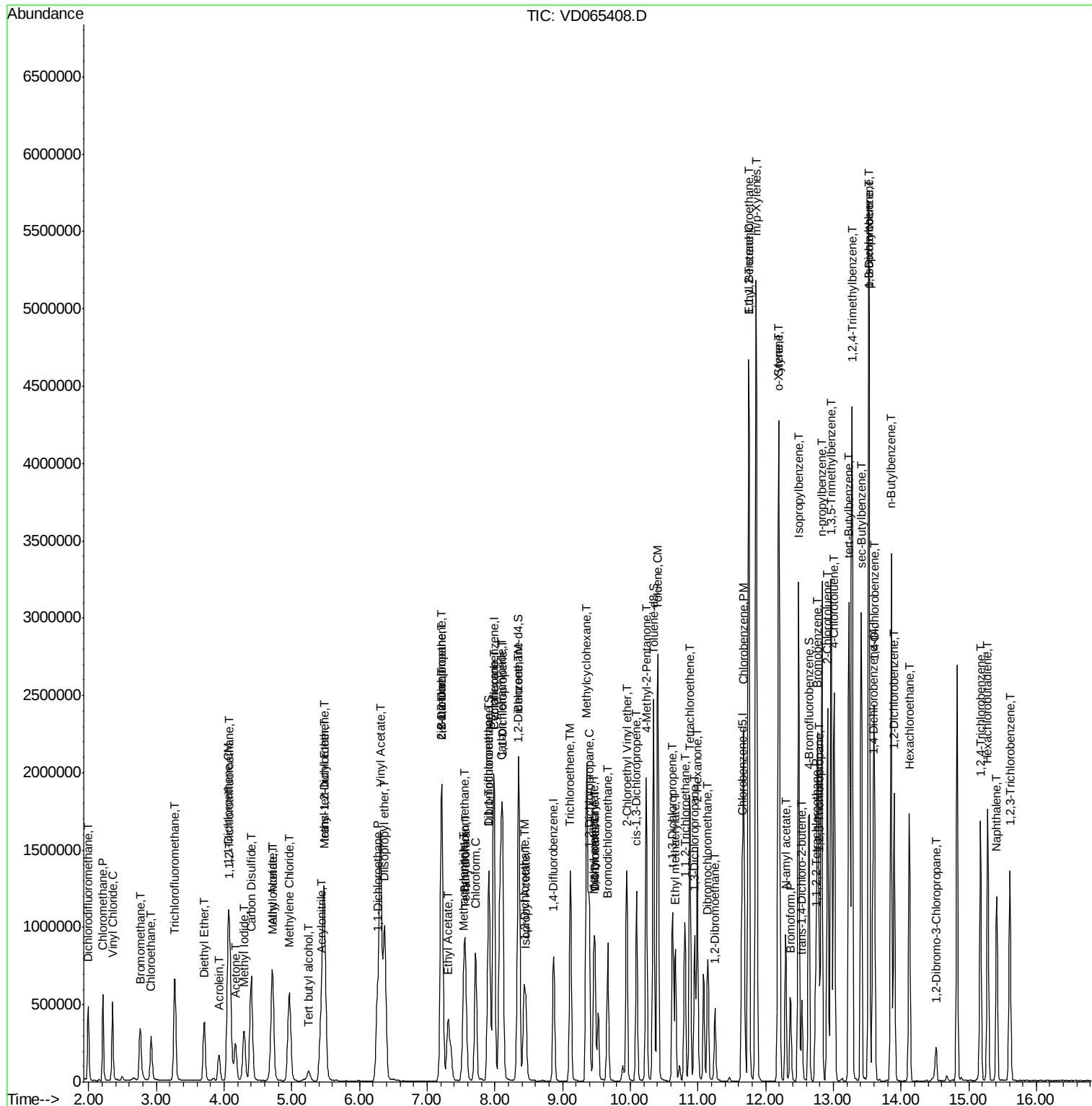
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Data File : VD065408.D  
Acq On : 04 Mar 2020 12:28  
Operator : VA/SY  
Sample : VSTDIC100  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

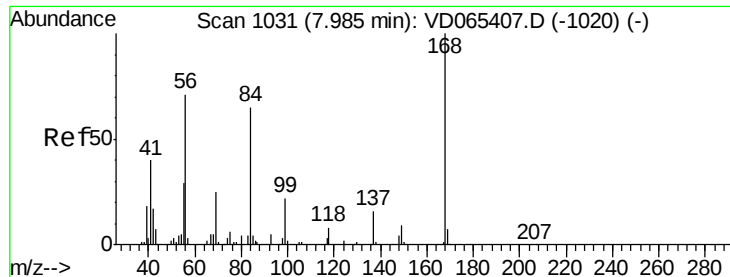
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Manual Integrations  
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3/5/2020 1:38:33 PM

Quant Time: Mar 04 16:22:35 2020  
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Quant Title : SW846 8260  
QLast Update : Wed Mar 04 15:55:15 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 505927

Ion Ratio Lower Upper

168 100

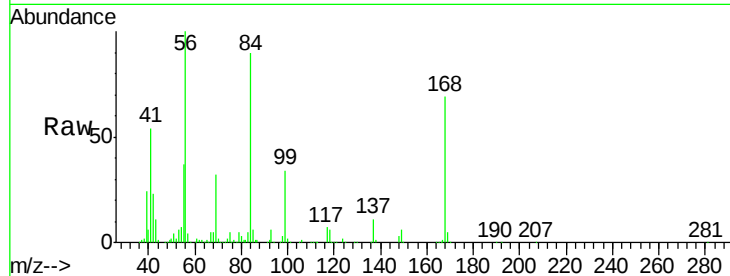
99 49.4 41.5 62.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

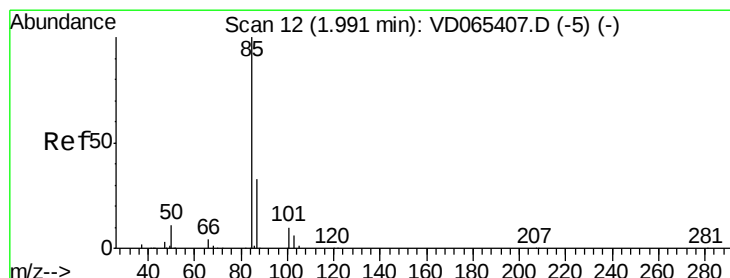
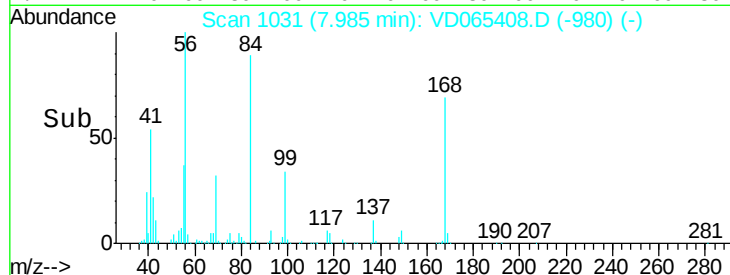
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 87.390 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065408.D

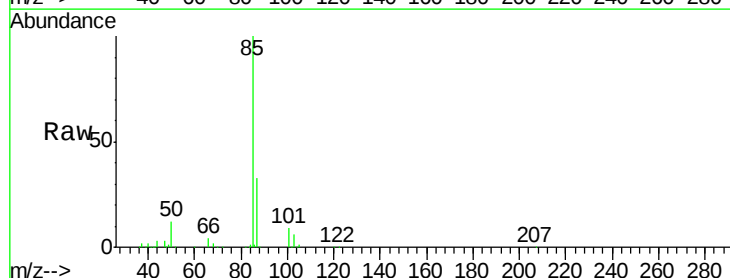
Acq: 04 Mar 2020 12:28

Tgt Ion: 85 Resp: 383382

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

300000

250000

200000

150000

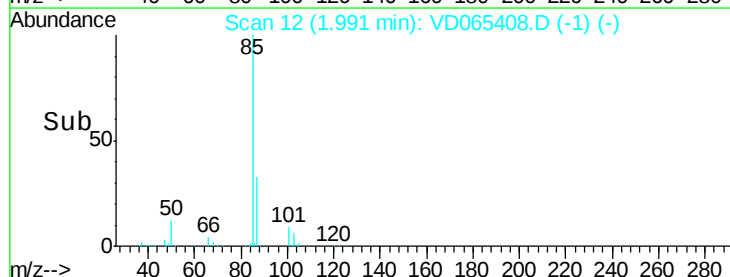
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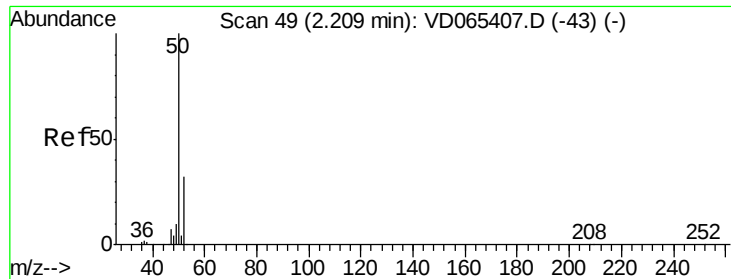
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 89.293 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 469252

Ion Ratio Lower Upper

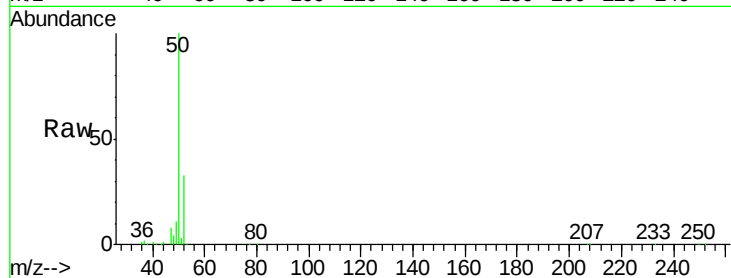
50 100

52 32.9 25.8 38.8

Manual Integrations  
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

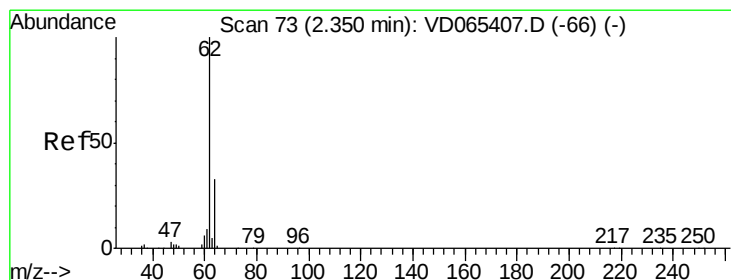
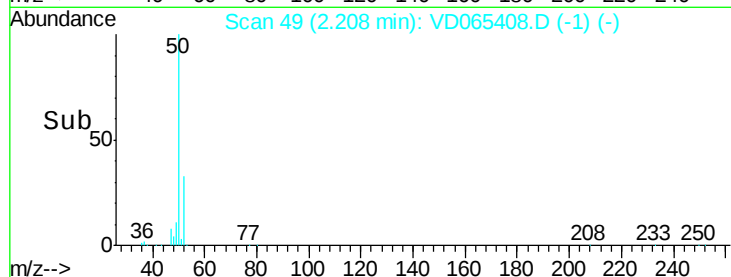
300000

200000

100000

0

Time--> 2.10 2.20 2.30



#4

Vinyl Chloride

Concen: 91.847 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065408.D

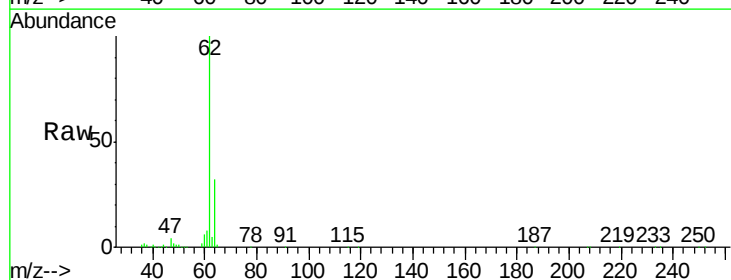
Acq: 04 Mar 2020 12:28

Tgt Ion: 62 Resp: 477276

Ion Ratio Lower Upper

62 100

64 31.6 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

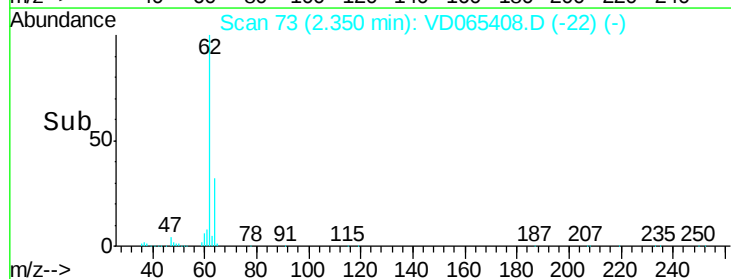
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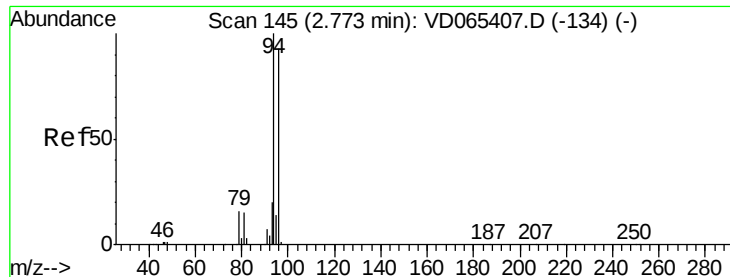
200000

100000

0

Time--> 2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 84.908 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 283497

Ion Ratio Lower Upper

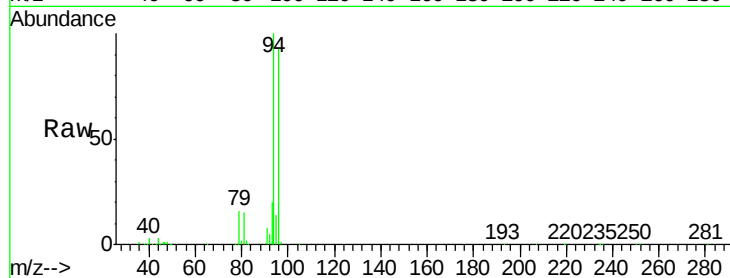
94 100

96 92.7 74.4 111.6

Manual Integrations  
APPROVED

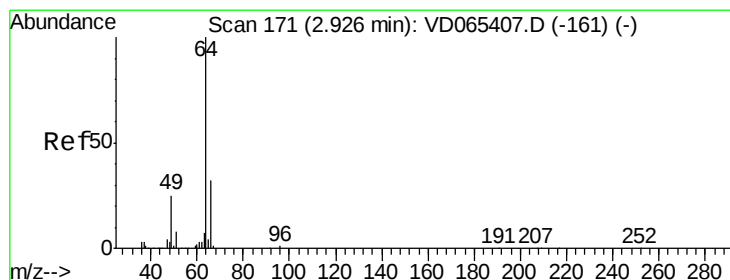
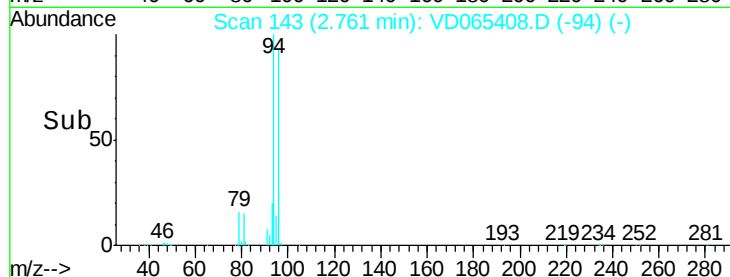
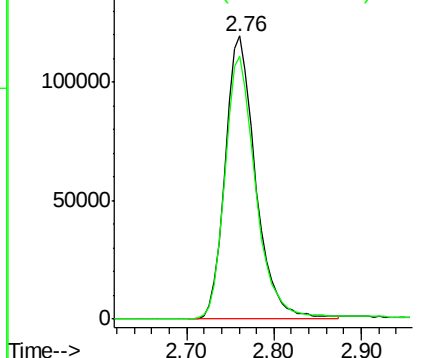
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 91.960 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065408.D

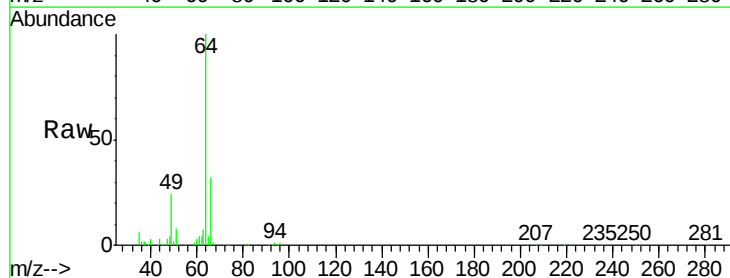
Acq: 04 Mar 2020 12:28

Tgt Ion: 64 Resp: 291645

Ion Ratio Lower Upper

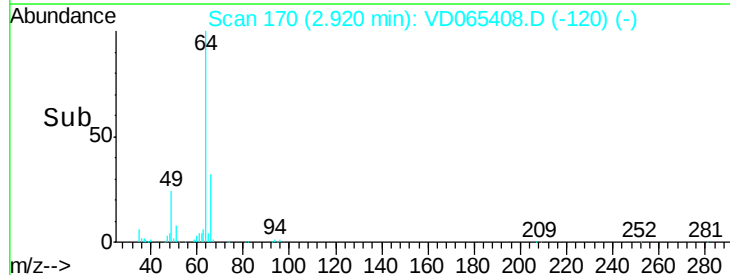
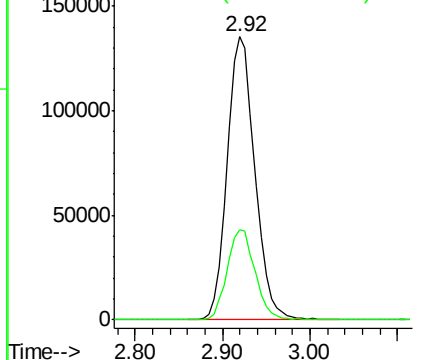
64 100

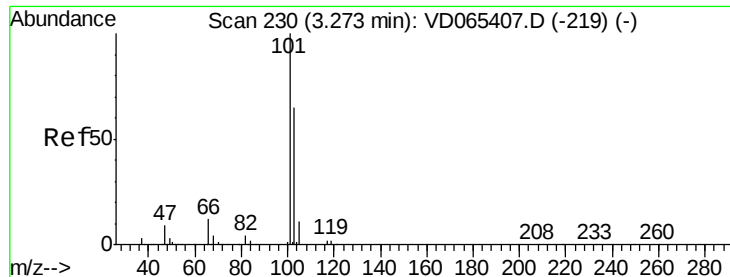
66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

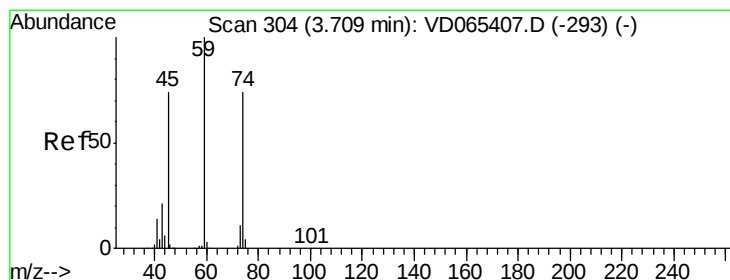
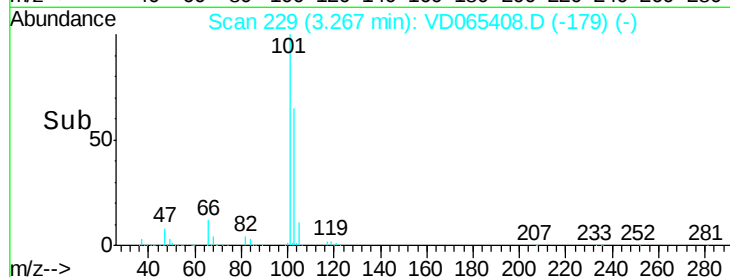
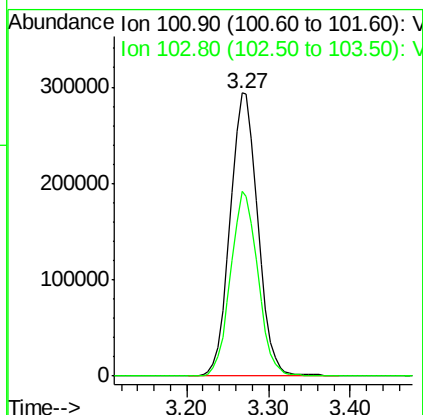
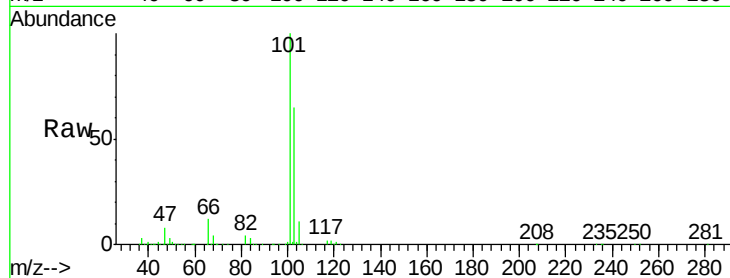
Trichlorofluoromethane  
 Concen: 90.608 ug/l  
 RT: 3.27 min Scan# 229  
 Delta R.T. -0.01 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.2  | 52.1  | 78.1  |

Manual Integrations  
 APPROVED

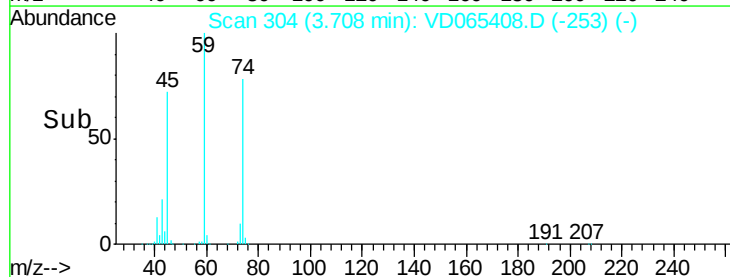
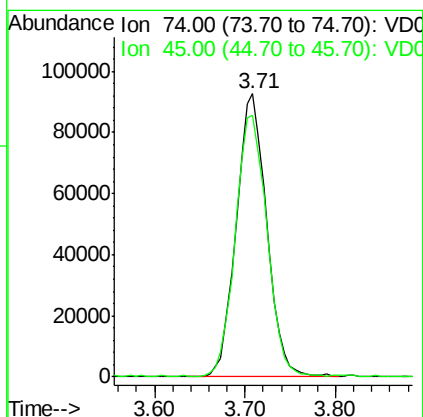
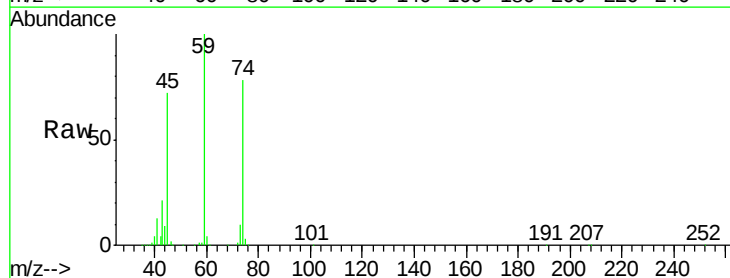
MMDadoda  
 3/5/2020 1:38:33 PM

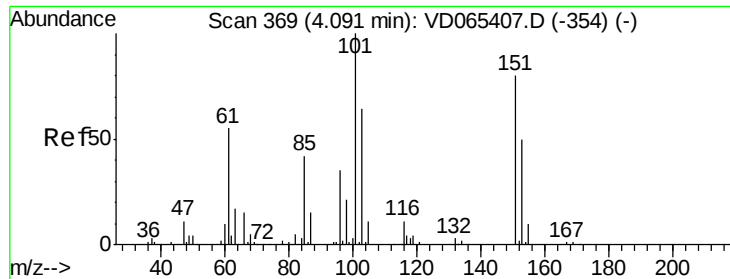


#8

Diethyl Ether  
 Concen: 94.724 ug/l  
 RT: 3.71 min Scan# 304  
 Delta R.T. -0.00 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 95.4  | 49.5  | 148.5 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.493 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

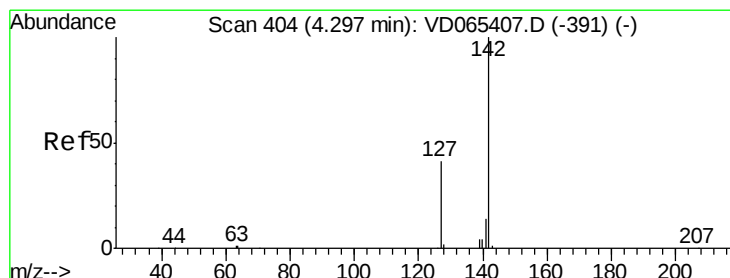
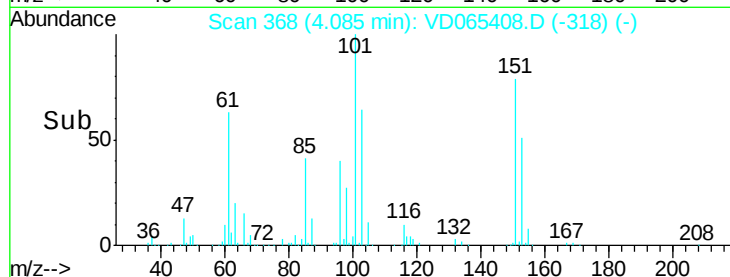
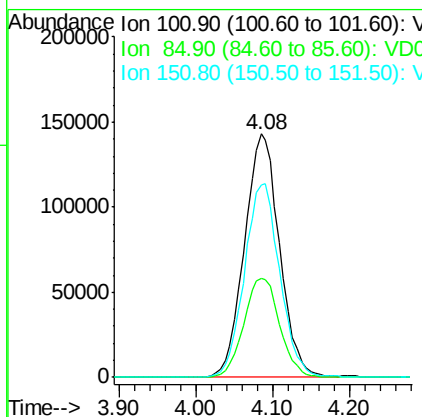
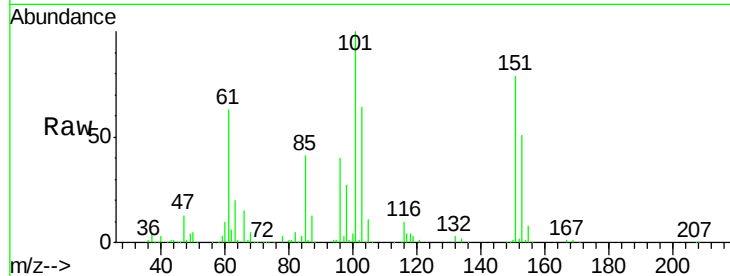
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 456119 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.5  | 34.2  | 51.2   |
| 151       | 80.5  | 65.1  | 97.7   |

Manual Integrations  
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3/5/2020 1:38:33 PM



#10

Methyl Iodide

Concen: 109.270 ug/l

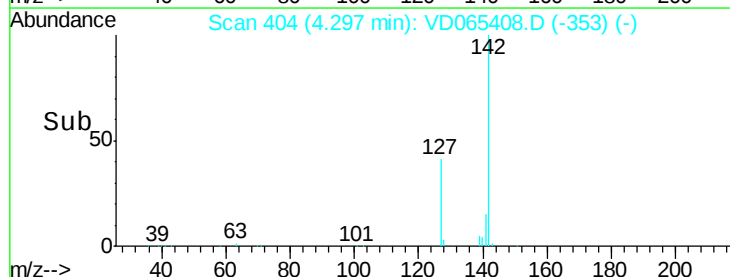
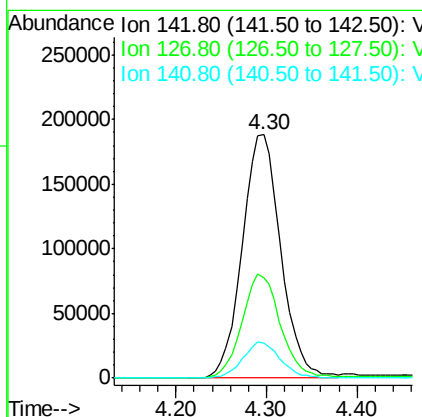
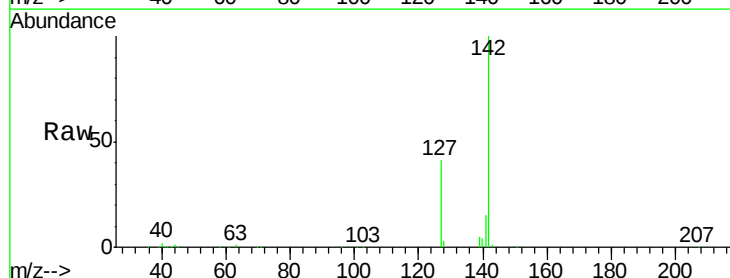
RT: 4.30 min Scan# 404

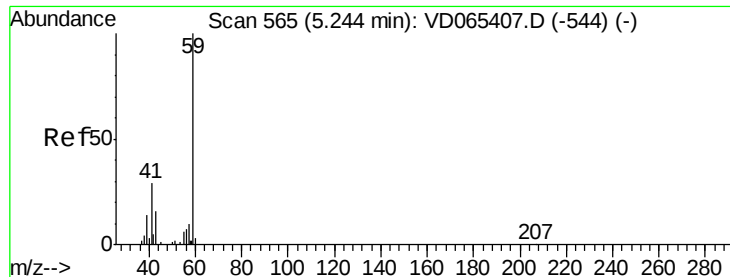
Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 556362 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.5  | 35.0  | 52.6   |
| 141       | 14.5  | 12.4  | 18.6   |





#11

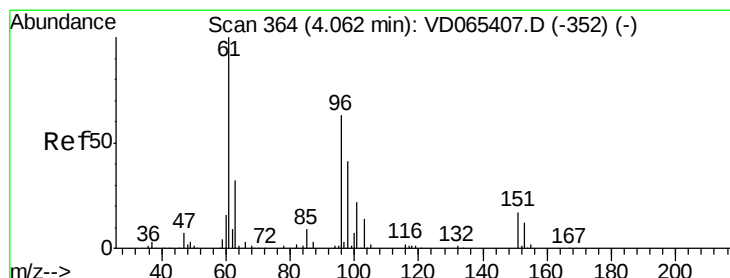
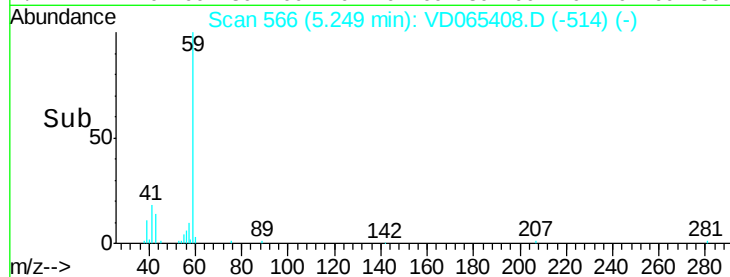
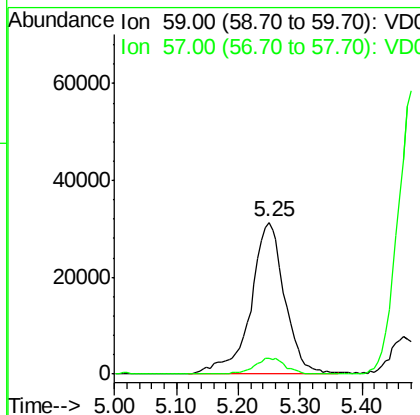
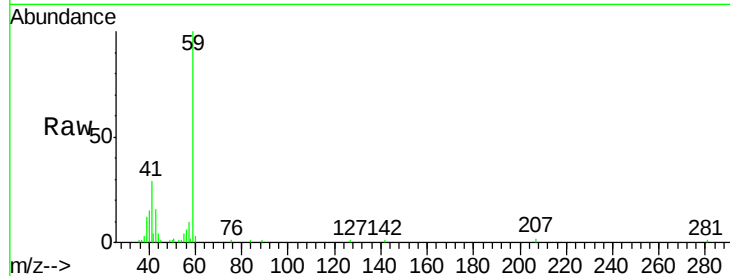
Tert butyl alcohol  
 Concen: 506.614 ug/l  
 RT: 5.25 min Scan# 566  
 Delta R.T. 0.01 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.7   | 6.9   | 10.3  |

Manual Integrations  
 APPROVED

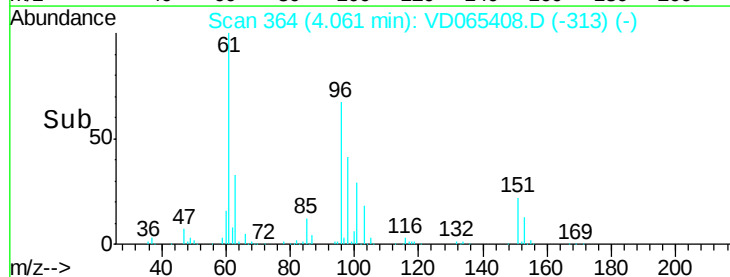
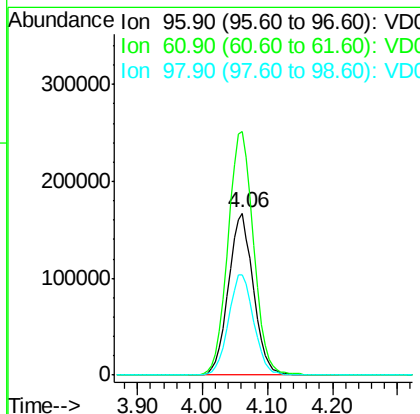
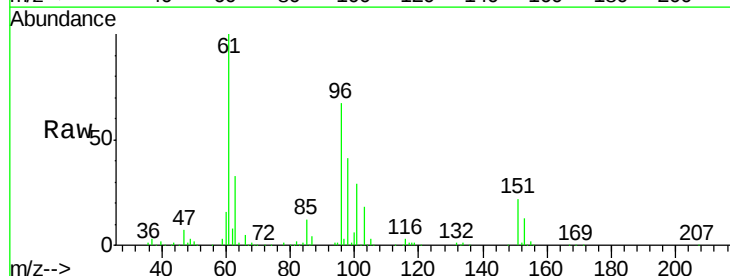
MMDadoda  
 3/5/2020 1:38:33 PM

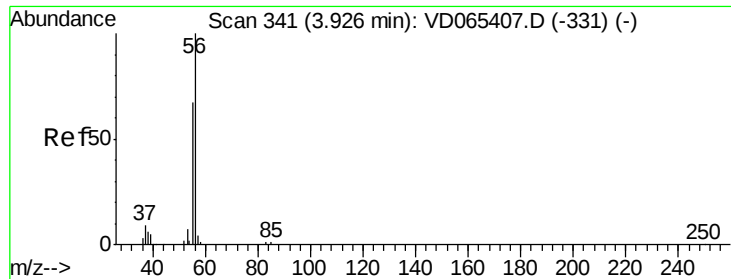


#12

1,1-Dichloroethene  
 Concen: 94.024 ug/l  
 RT: 4.06 min Scan# 364  
 Delta R.T. -0.00 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 150.2 | 128.0 | 192.0 |
| 98      | 62.2  | 51.9  | 77.9  |





#13

Acrolein

Concen: 482.921 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 207922

Ion Ratio Lower Upper

56 100

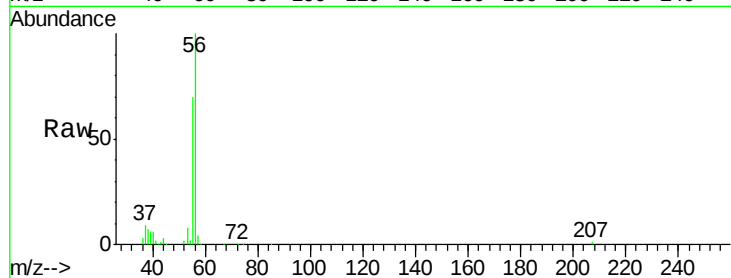
55 69.7 56.6 85.0

Manual Integrations

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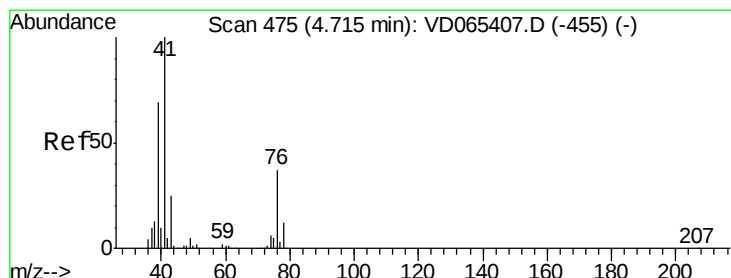
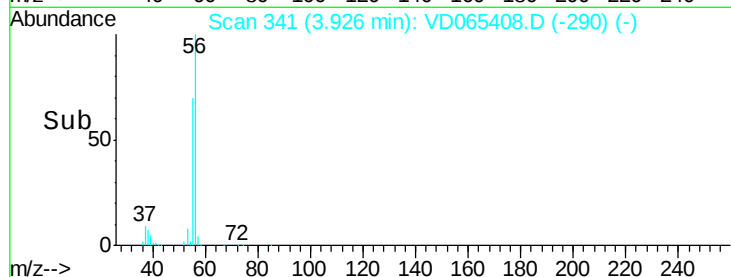
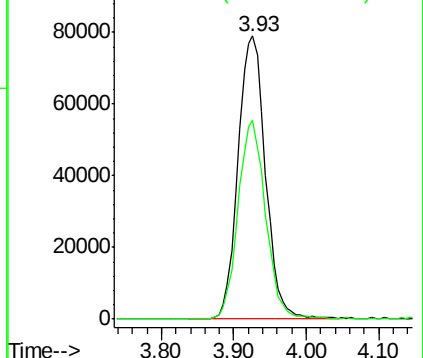
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 98.300 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

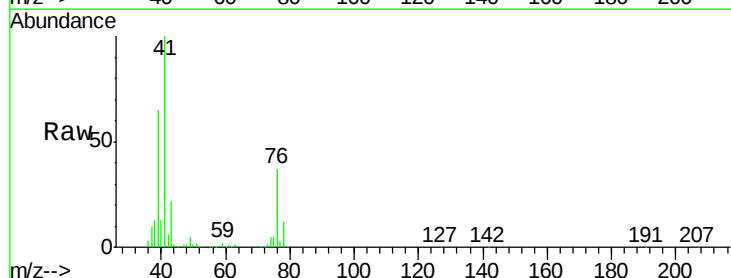
Tgt Ion: 41 Resp: 714568

Ion Ratio Lower Upper

41 100

39 64.3 52.6 79.0

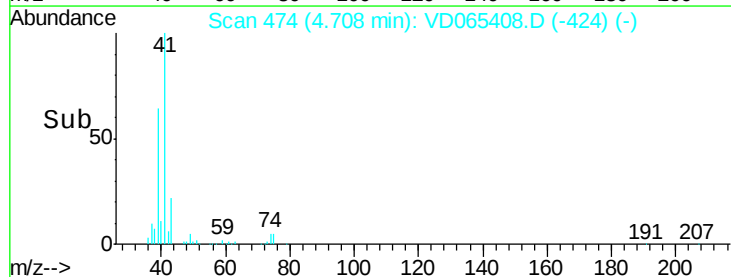
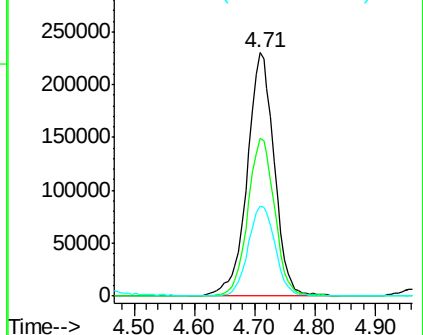
76 36.2 29.2 43.8

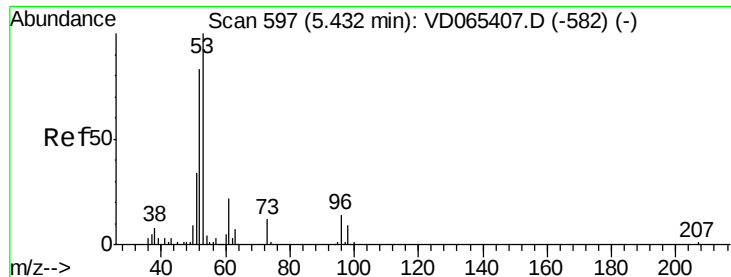


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 485.220 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

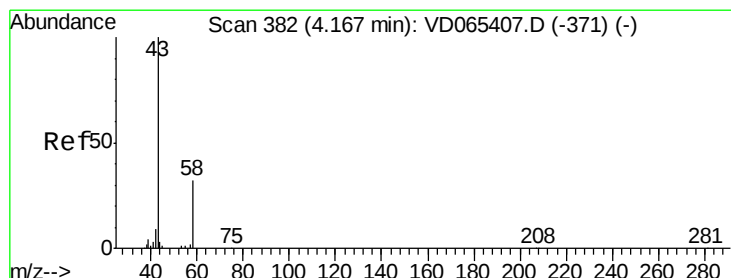
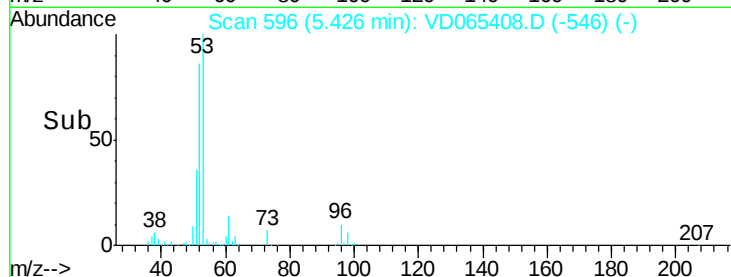
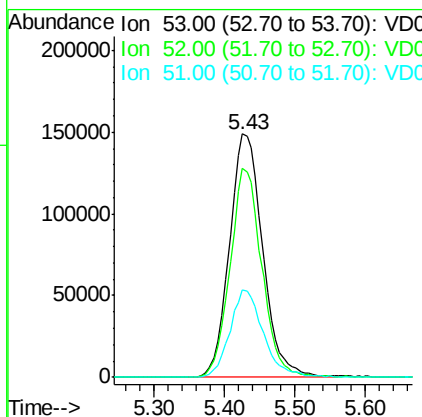
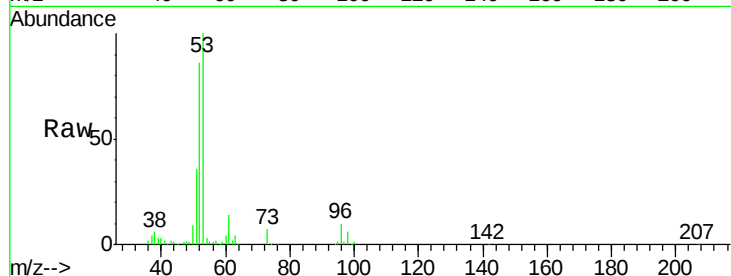
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 487630 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.1  | 65.1  | 97.7   |
| 51        | 36.3  | 28.5  | 42.7   |

Manual Integrations  
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3/5/2020 1:38:33 PM



#16

Acetone

Concen: 467.672 ug/l

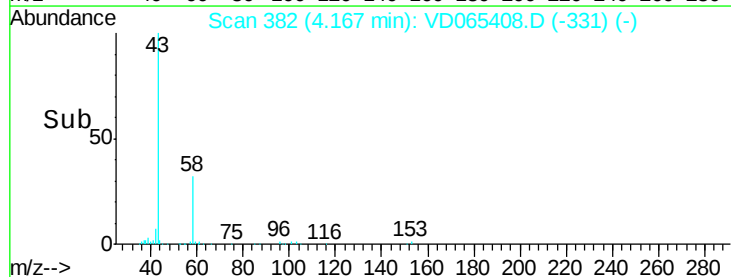
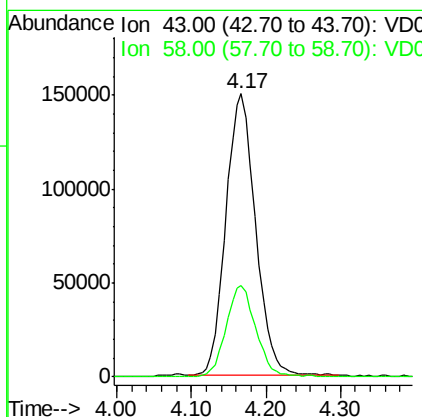
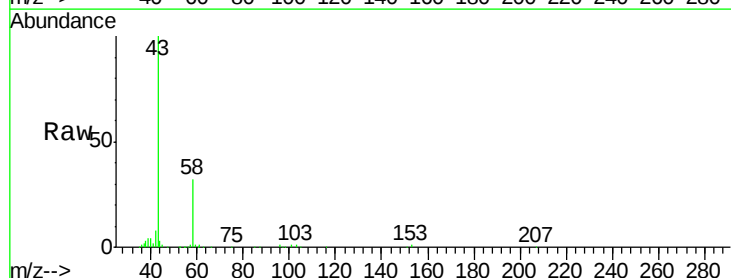
RT: 4.17 min Scan# 382

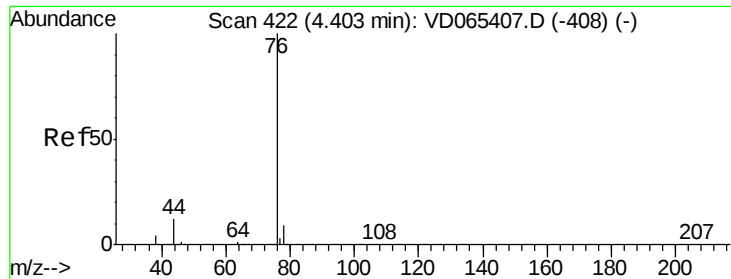
Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 416244 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 32.2  | 25.1  | 37.7   |





#17

Carbon Disulfide

Concen: 93.417 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 1471518

Ion Ratio Lower Upper

76 100

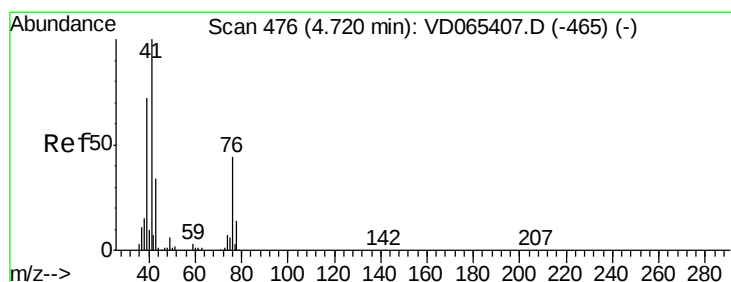
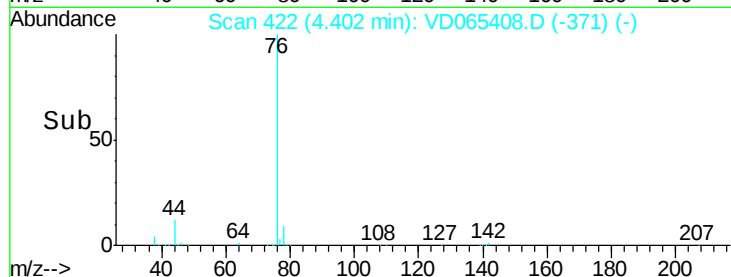
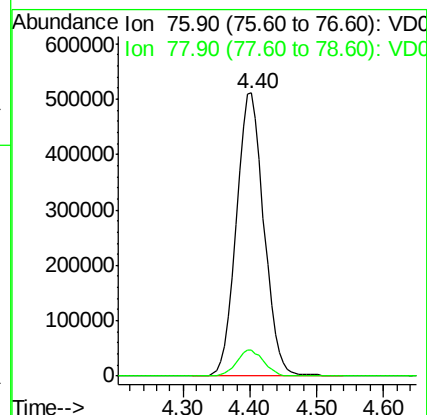
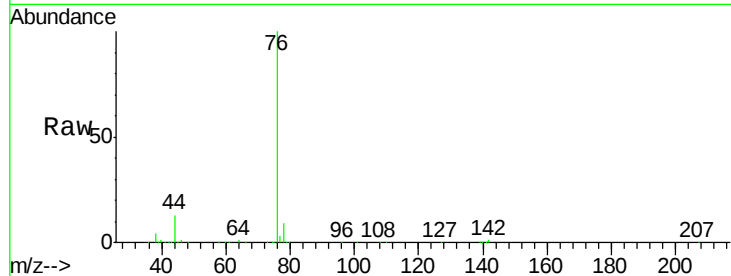
78 9.3 7.4 11.0

Manual Integrations

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MMDadoda

3/5/2020 1:38:33 PM



#18

Methyl Acetate

Concen: 94.064 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065408.D

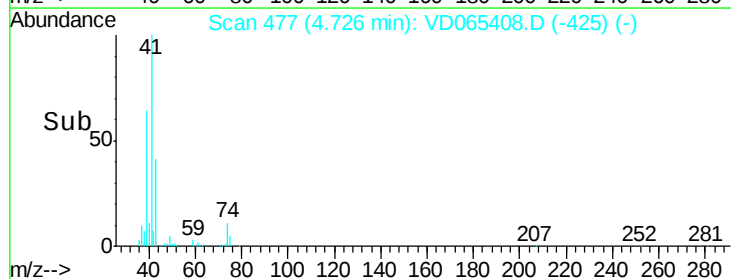
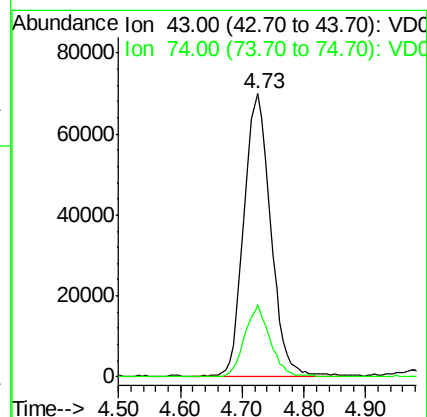
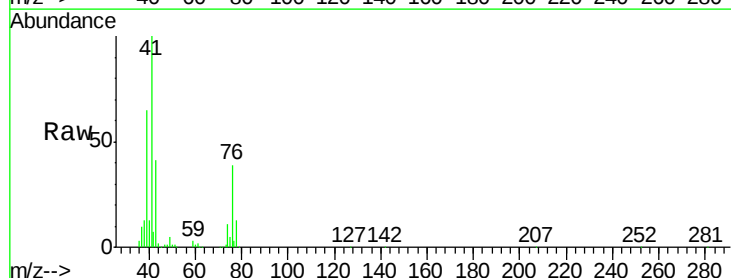
Acq: 04 Mar 2020 12:28

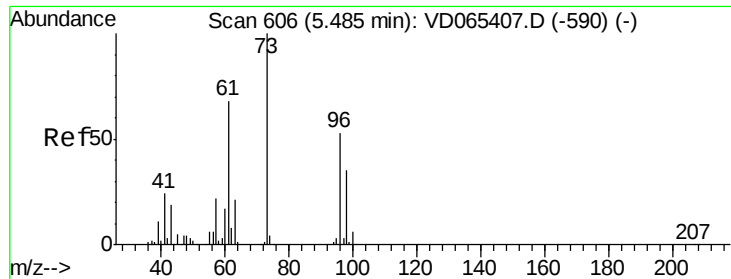
Tgt Ion: 43 Resp: 214035

Ion Ratio Lower Upper

43 100

74 23.7 19.6 29.4





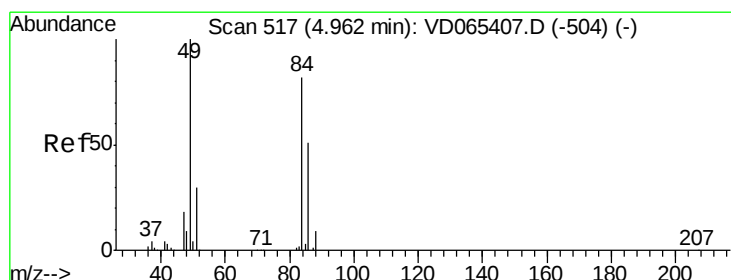
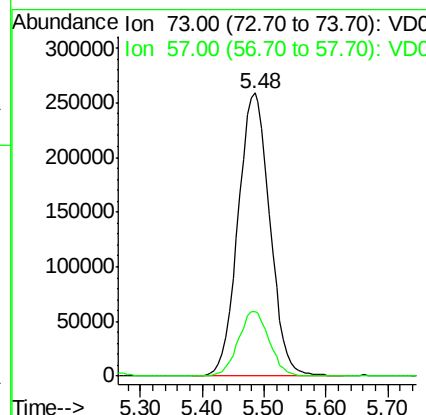
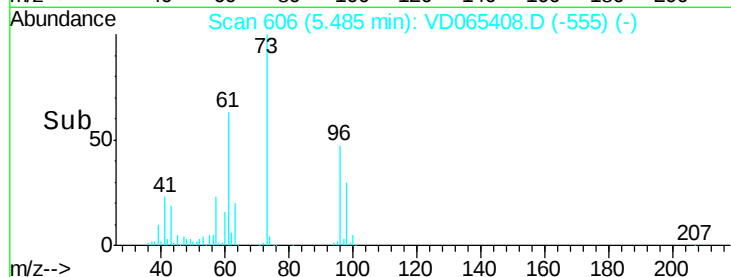
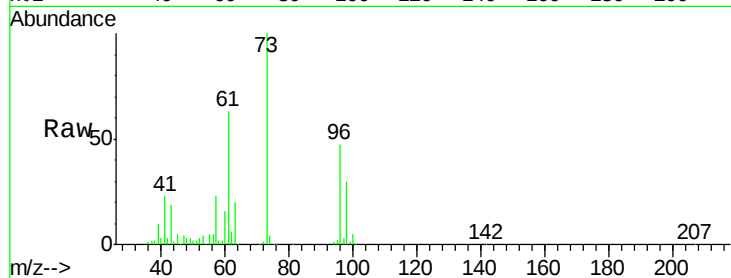
#19  
Methvl tert-butvl Ether  
Concen: 100.891 ug/l  
RT: 5.48 min Scan# 606  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.8  | 17.3  | 25.9  |

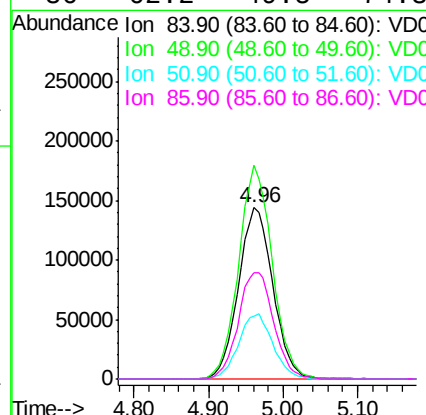
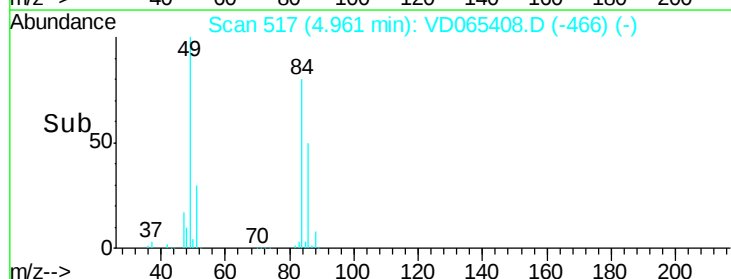
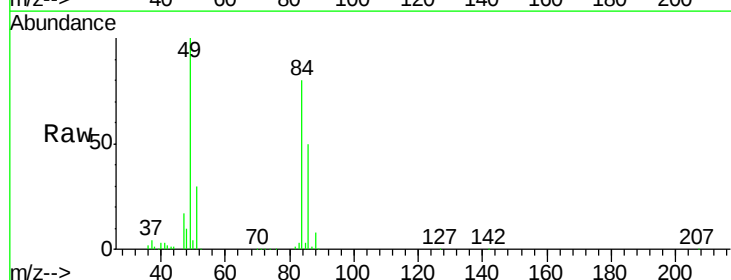
Manual Integrations  
APPROVED

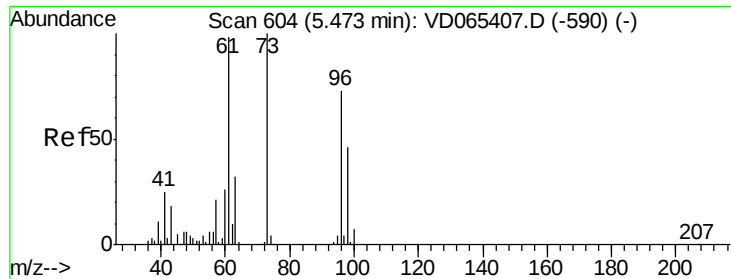
MMDadoda  
3/5/2020 1:38:33 PM



#20  
Methylene Chloride  
Concen: 83.738 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 124.9 | 97.7  | 146.5 |
| 51      | 37.0  | 28.8  | 43.2  |
| 86      | 62.2  | 49.5  | 74.3  |





#21

trans-1,2-Dichloroethene

Concen: 95.838 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

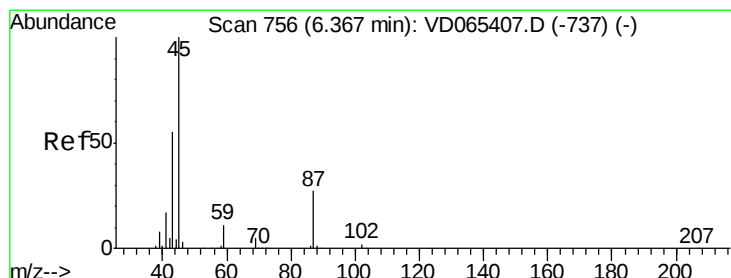
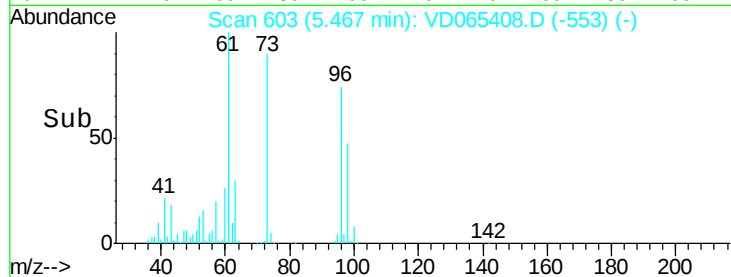
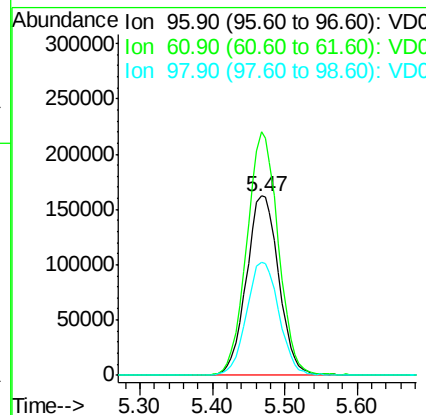
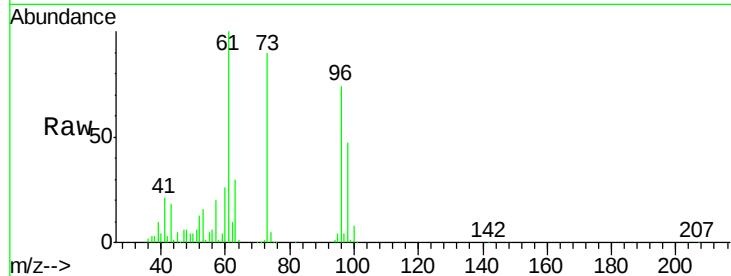
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 504425 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 135.7 | 106.3 | 159.5  |
| 98       | 63.3  | 50.2  | 75.4   |

Manual Integrations  
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MMDadoda  
3/5/2020 1:38:33 PM



#22

Diisopropyl ether

Concen: 98.654 ug/l

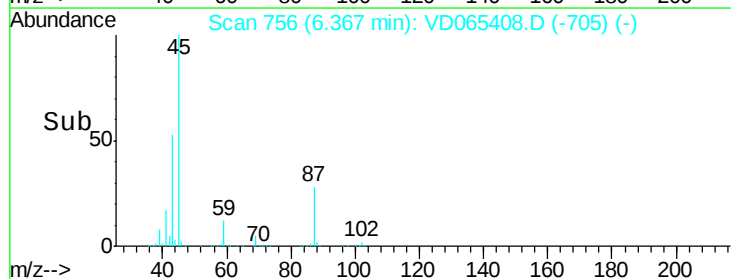
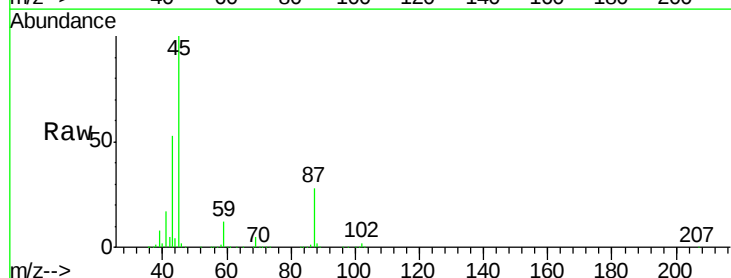
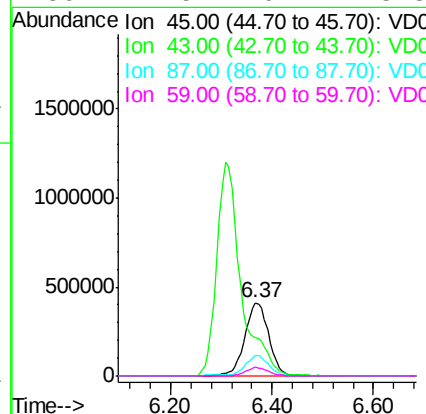
RT: 6.37 min Scan# 756

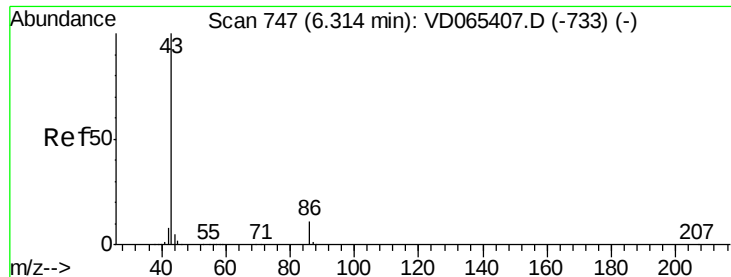
Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 45    | Resp: | 1345727 |
| Ion      | Ratio | Lower | Upper   |
| 45       | 100   |       |         |
| 43       | 52.5  | 44.4  | 66.6    |
| 87       | 27.5  | 21.9  | 32.9    |
| 59       | 11.5  | 9.2   | 13.8    |





#23

Vinyl Acetate

Concen: 529.563 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 4006118

Ion Ratio Lower Upper

43 100

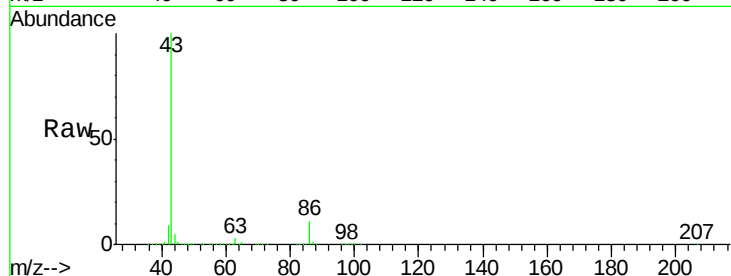
86 10.8 8.9 13.3

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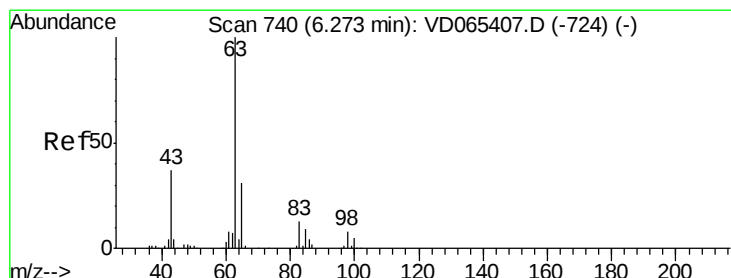
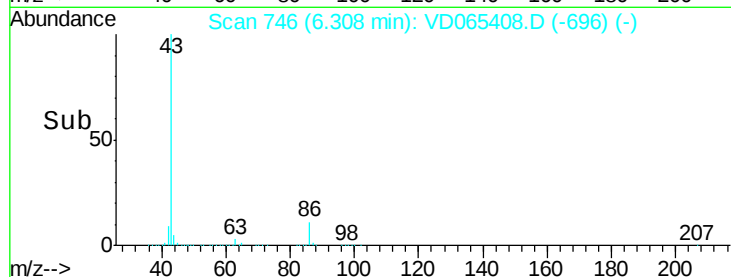
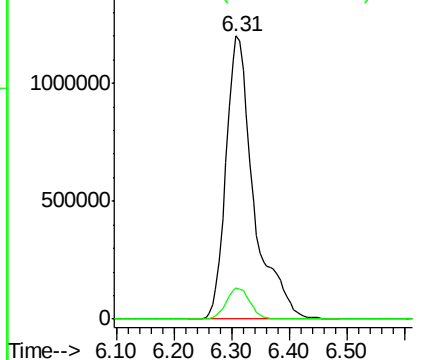
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 93.748 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

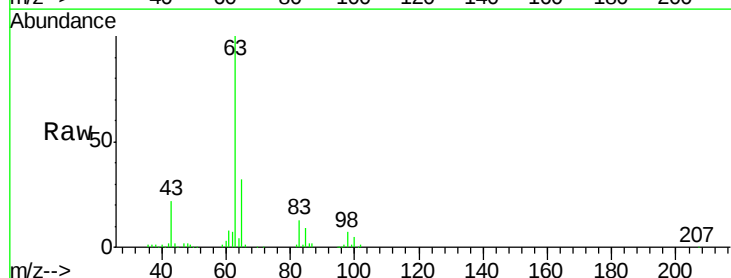
Tgt Ion: 63 Resp: 812277

Ion Ratio Lower Upper

63 100

98 7.4 4.2 12.6

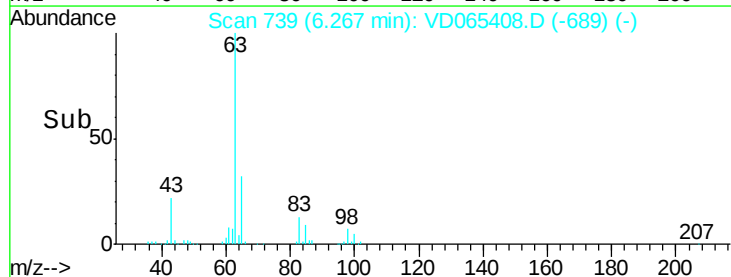
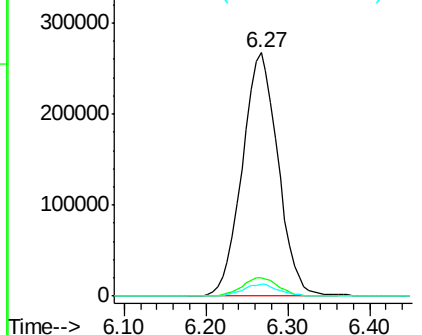
100 4.8 2.4 7.2

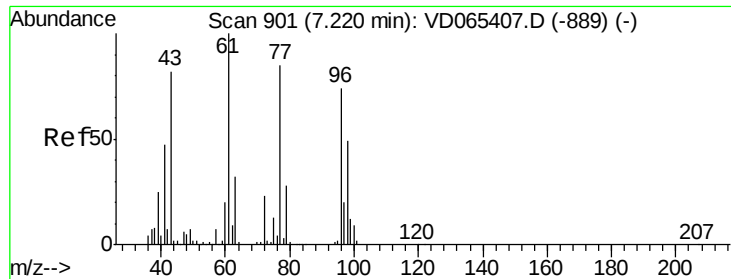


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 497.232 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 605472

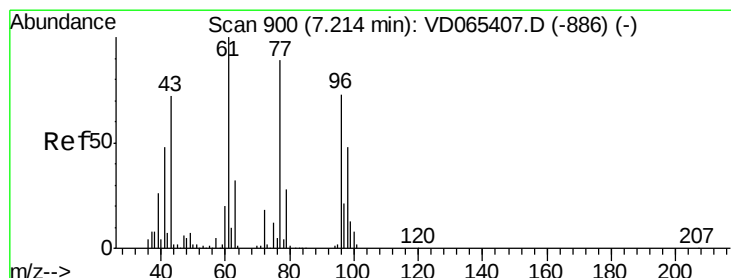
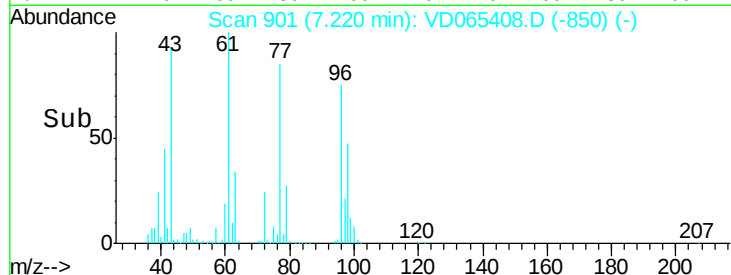
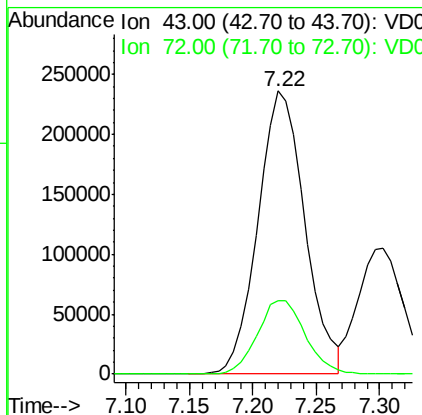
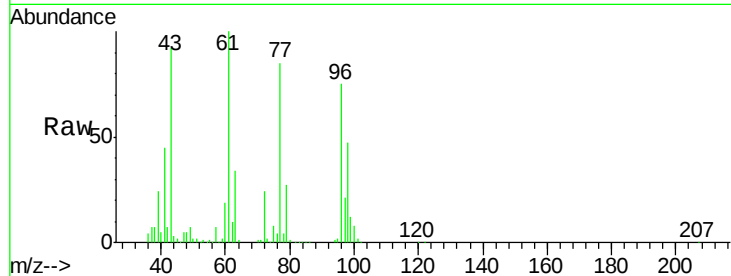
Ion Ratio Lower Upper

43 100

72 26.1 22.3 33.5

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#26

2,2-Dichloropropane

Concen: 94.240 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065408.D

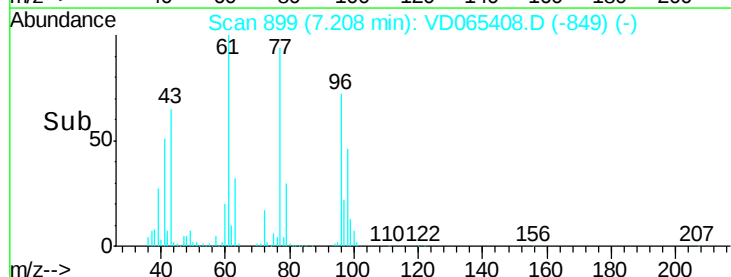
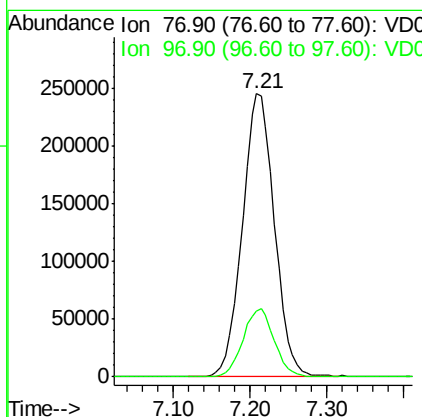
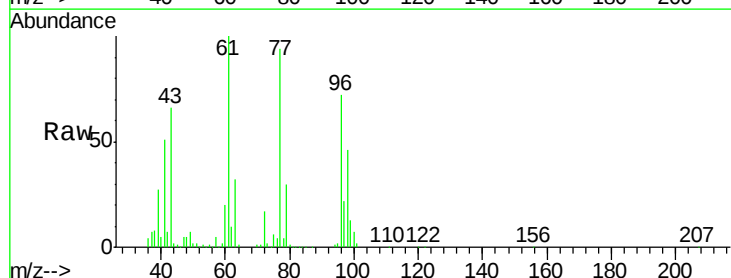
Acq: 04 Mar 2020 12:28

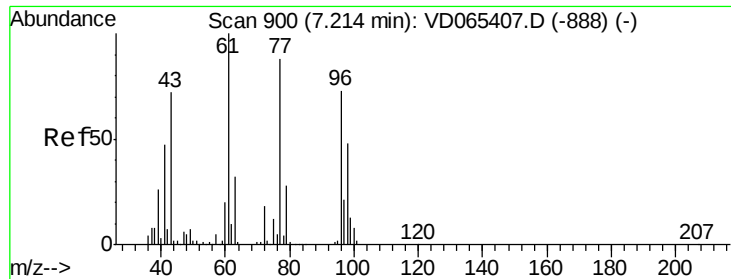
Tgt Ion: 77 Resp: 713689

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.4





#27

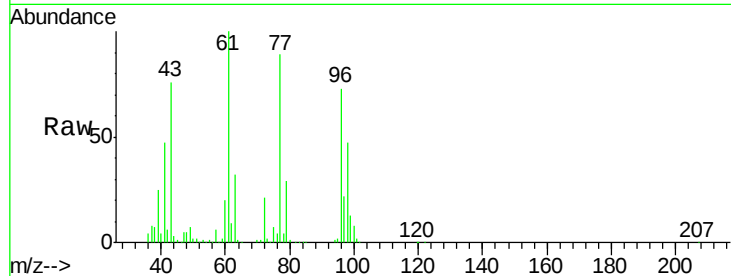
cis-1,2-Dichloroethene  
Concen: 98.055 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

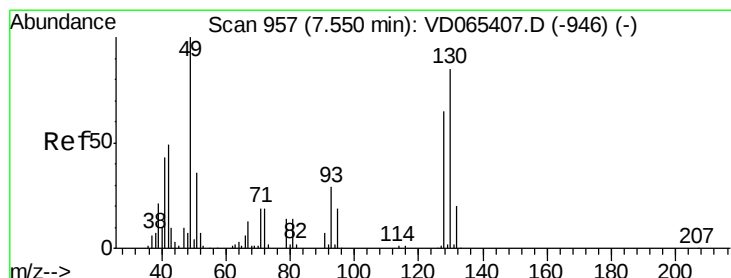
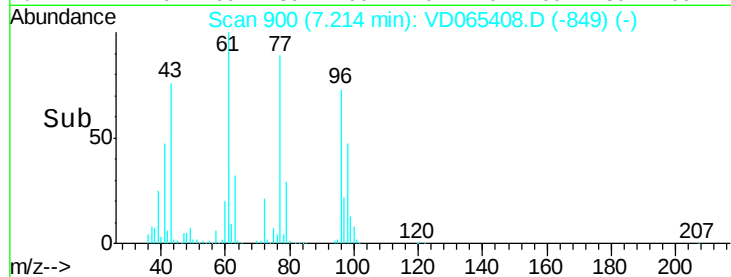
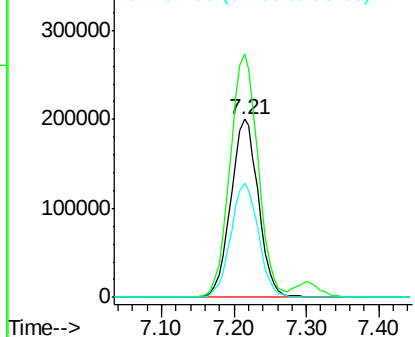
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 529251 |       |       |
| 61      | 138.6 |        | 0.0   | 280.4 |
| 98      | 64.3  |        | 0.0   | 132.6 |

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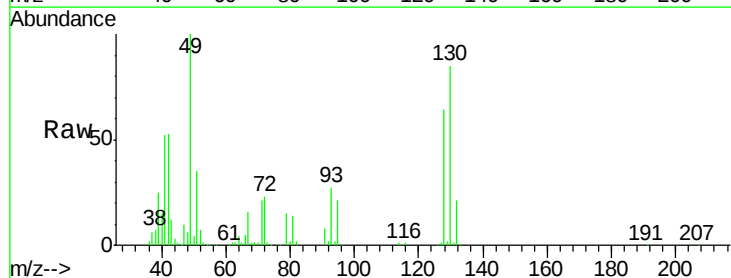
Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.90 (60.60 to 61.60): VDC  
Ion 97.90 (97.60 to 98.60): VDC



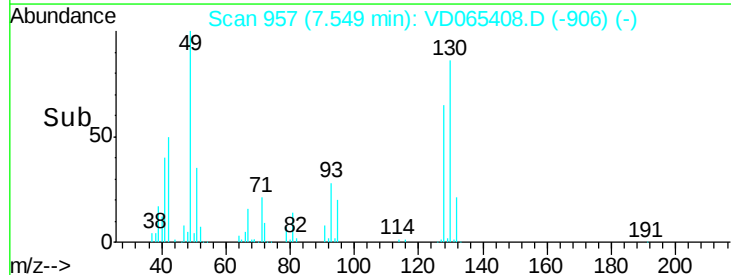
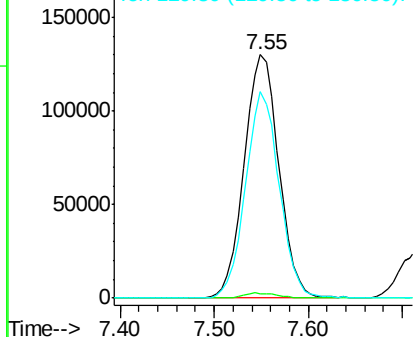
#28

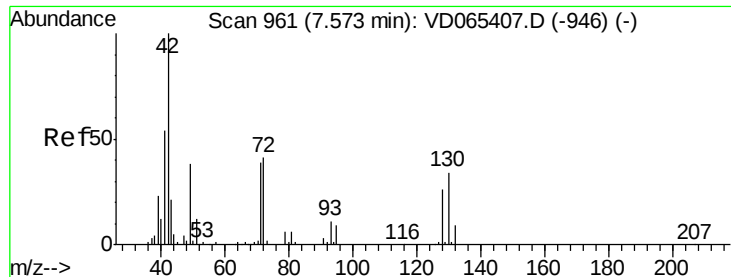
Bromochloromethane  
Concen: 94.800 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 333209 |       |       |
| 129     | 2.1   |        | 0.0   | 4.6   |
| 130     | 82.2  |        | 66.6  | 100.0 |



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





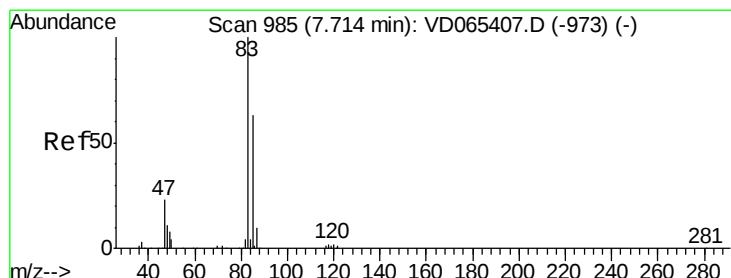
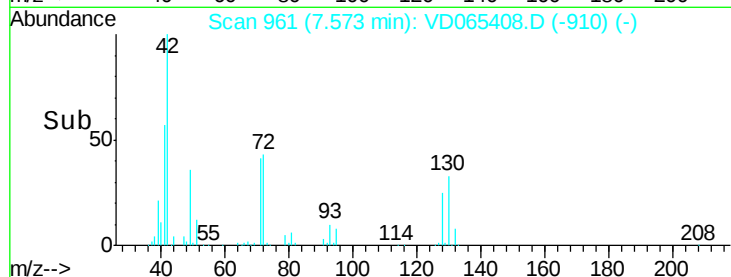
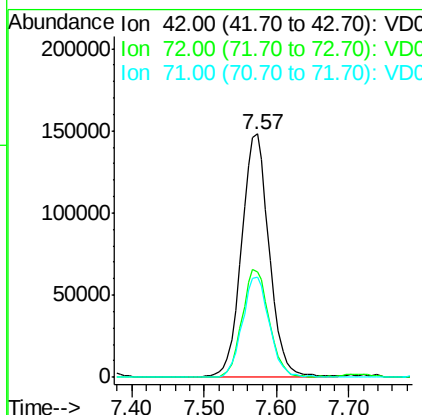
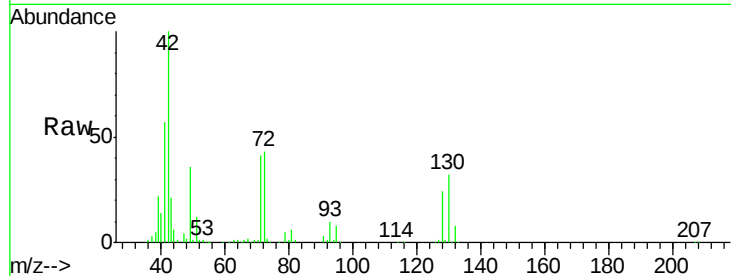
#29  
Tetrahydrofuran  
Concen: 499.317 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.6  | 33.0  | 49.6  |
| 71      | 40.7  | 32.0  | 48.0  |

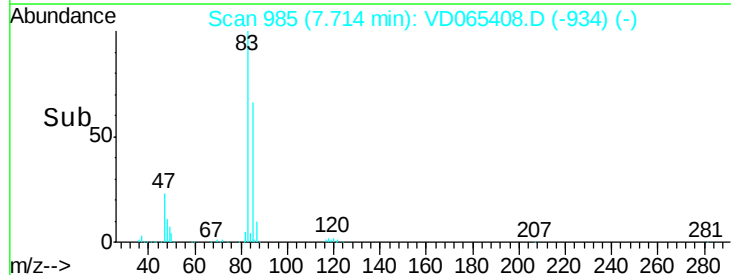
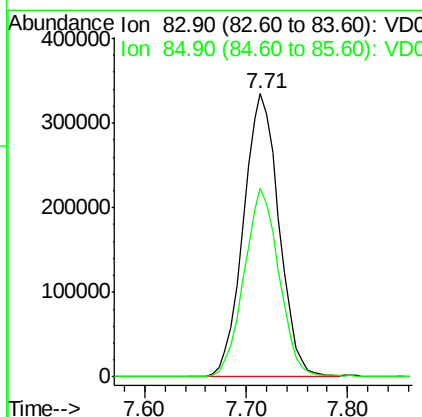
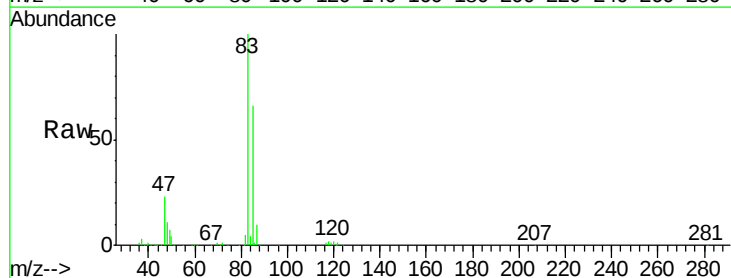
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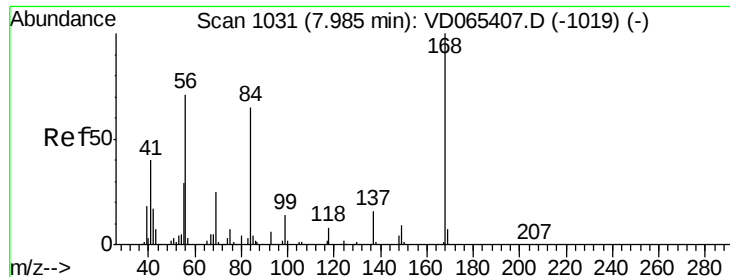
MMDadoda  
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#30  
Chloroform  
Concen: 93.413 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.5  | 50.3  | 75.5  |





#31

Cyclohexane

Concen: 94.227 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

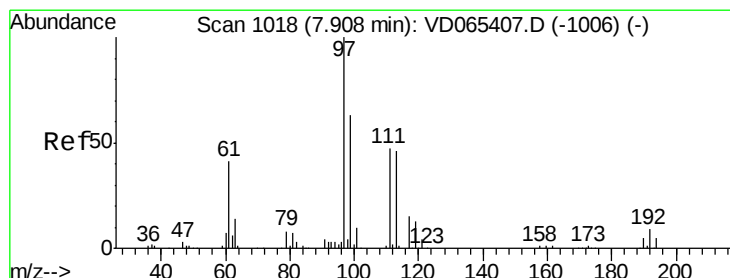
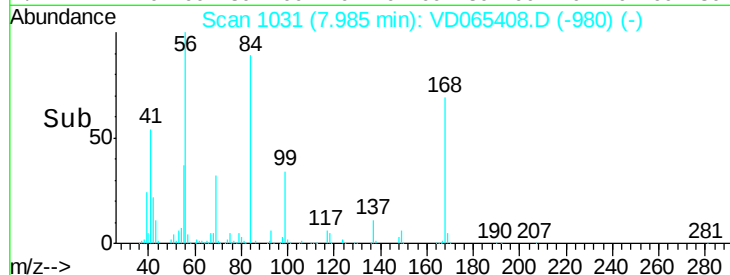
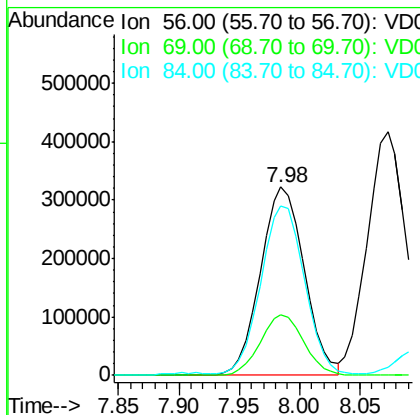
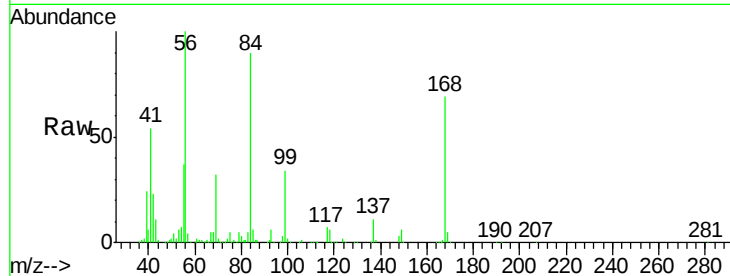
ClientSampled :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 812425 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 32.2  | 28.3  | 42.5   |
| 84       | 88.8  | 73.1  | 109.7  |

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#32

1,1,1-Trichloroethane

Concen: 94.060 ug/l

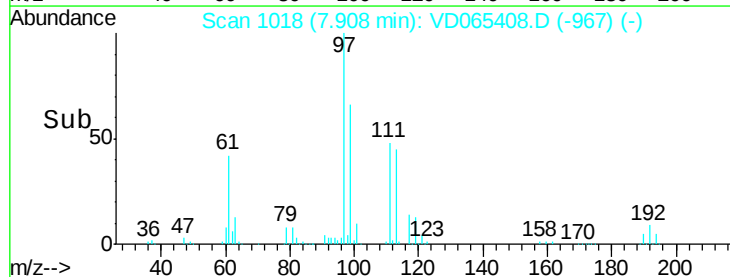
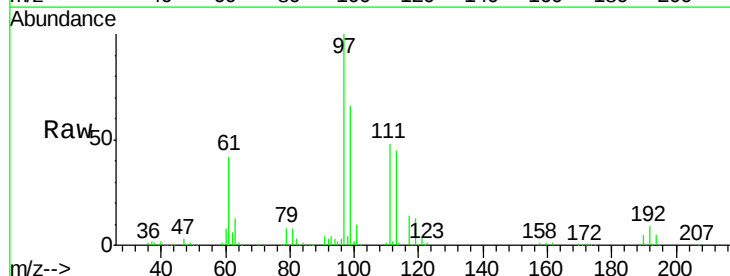
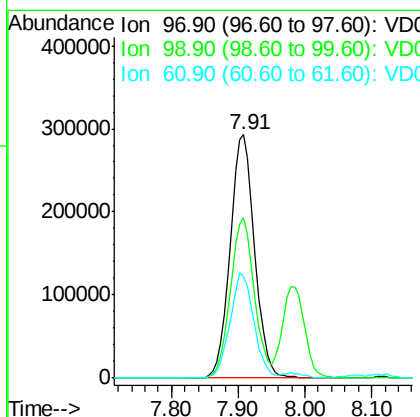
RT: 7.91 min Scan# 1018

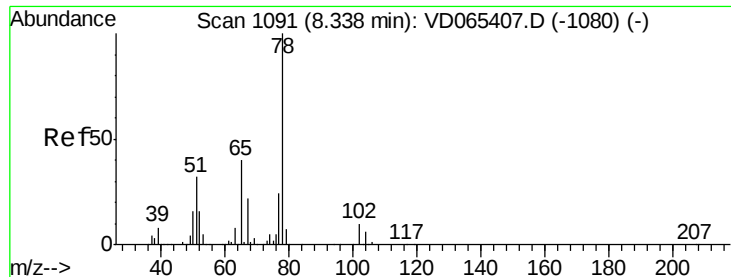
Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 752183 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.6  | 50.9  | 76.3   |
| 61       | 42.1  | 33.2  | 49.8   |





#33

1,2-Dichloroethane-d4

Concen: 93.878 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 409663

Ion Ratio Lower Upper

65 100

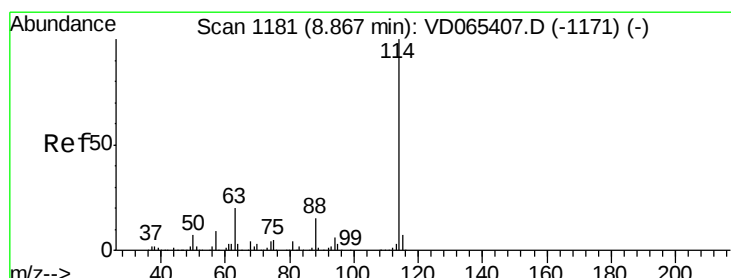
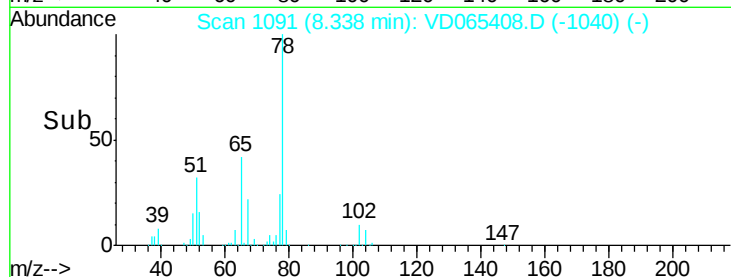
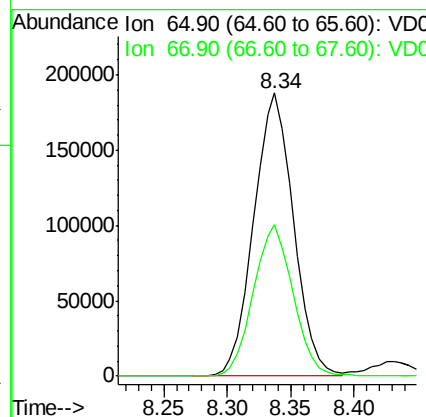
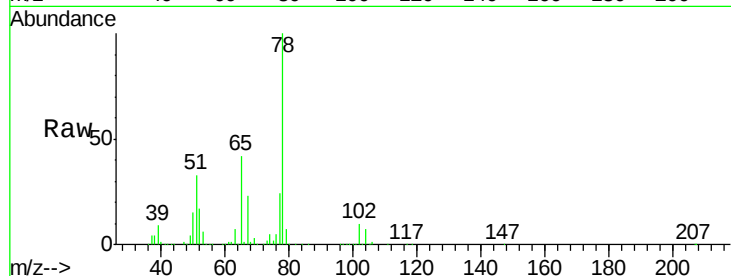
67 53.6 0.0 108.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

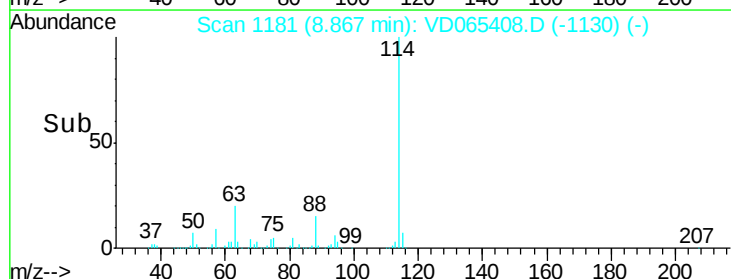
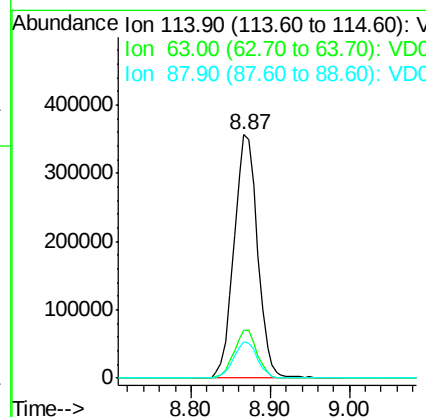
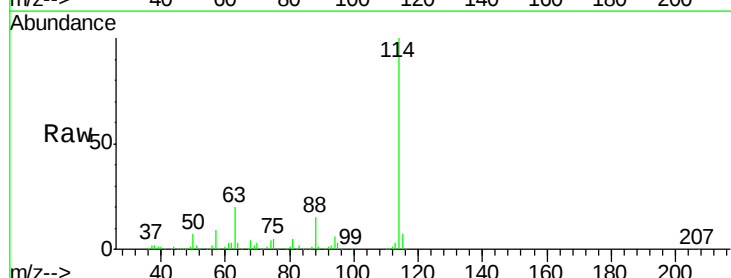
Tgt Ion: 114 Resp: 734348

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 14.7 0.0 30.4





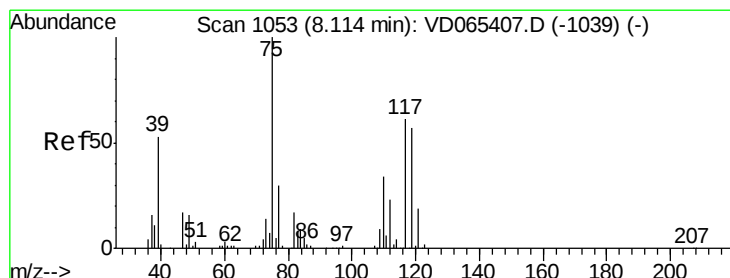
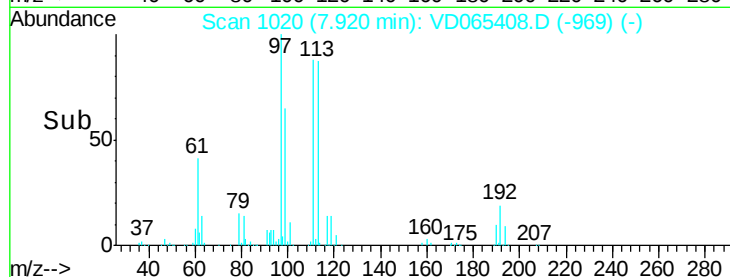
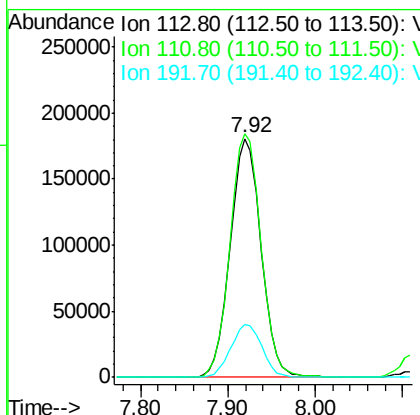
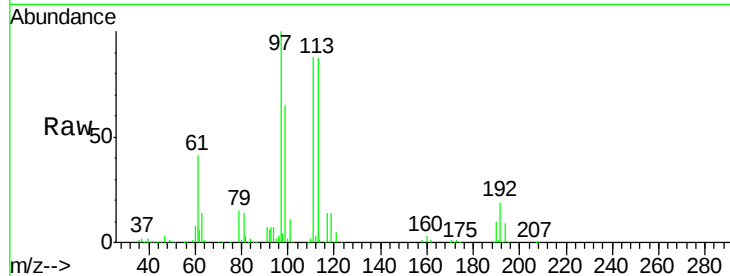
#35  
 Dibromofluoromethane  
 Concen: 94.648 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.8 | 82.1  | 123.1 |
| 192     | 22.5  | 17.2  | 25.8  |

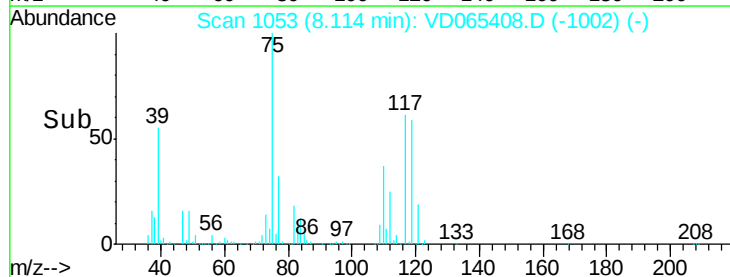
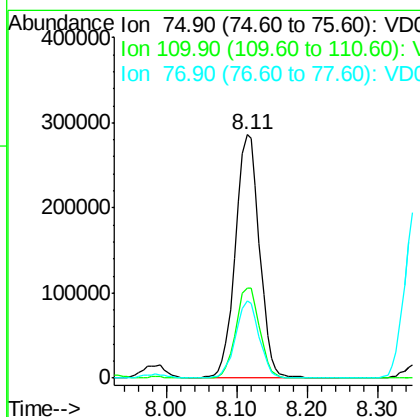
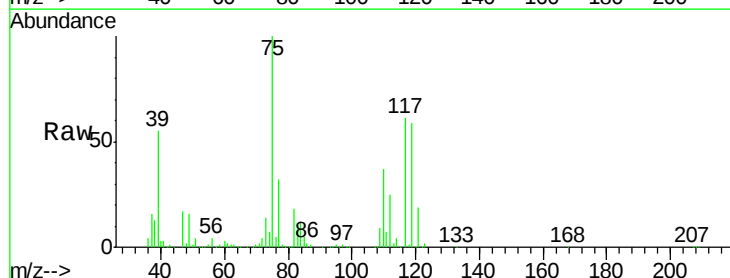
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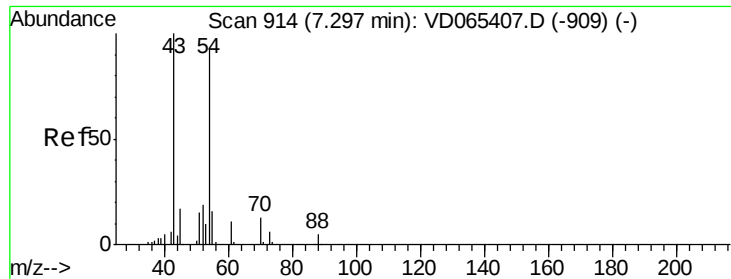
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#36  
 1,1-Dichloropropene  
 Concen: 95.866 ug/l  
 RT: 8.11 min Scan# 1053  
 Delta R.T. -0.00 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.9  | 18.1  | 54.1  |
| 77      | 31.4  | 25.2  | 37.8  |





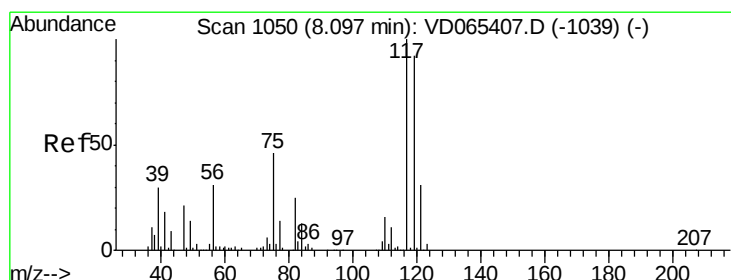
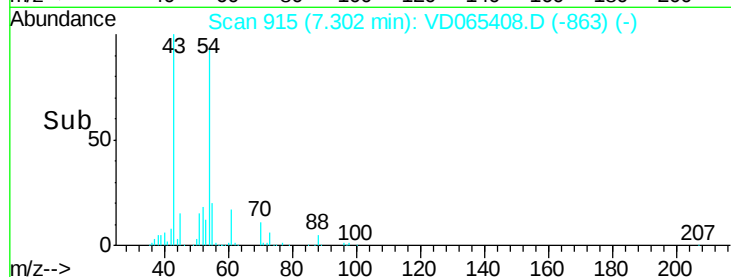
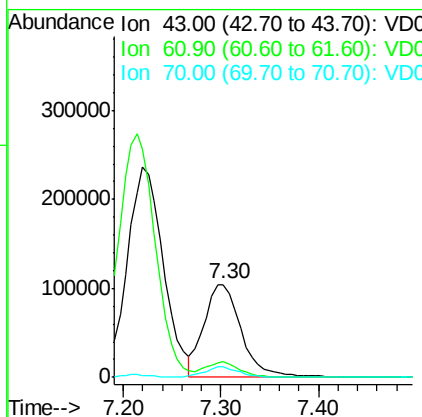
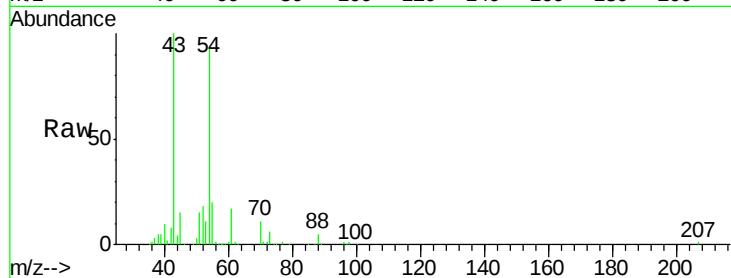
#37  
Ethyl Acetate  
Concen: 97.973 ug/l  
RT: 7.30 min Scan# 915  
Delta R.T. 0.01 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.3  | 11.4  | 17.0  |
| 70      | 10.5  | 9.0   | 13.4  |

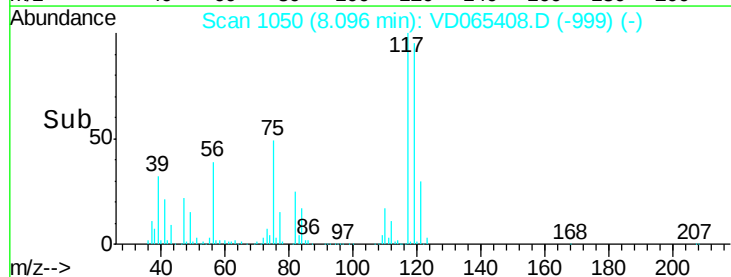
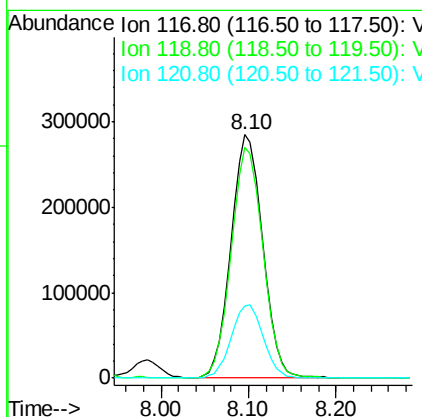
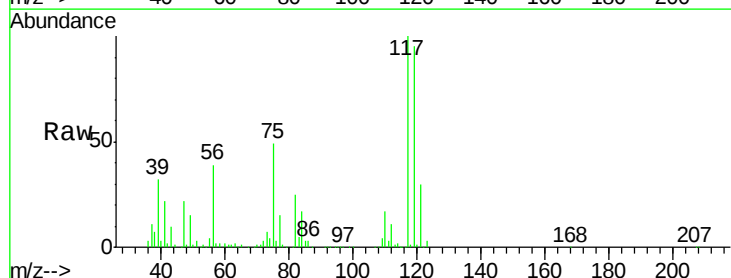
Manual Integrations  
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#38  
Carbon Tetrachloride  
Concen: 95.804 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.0  | 73.3  | 109.9 |
| 121     | 29.9  | 25.0  | 37.4  |





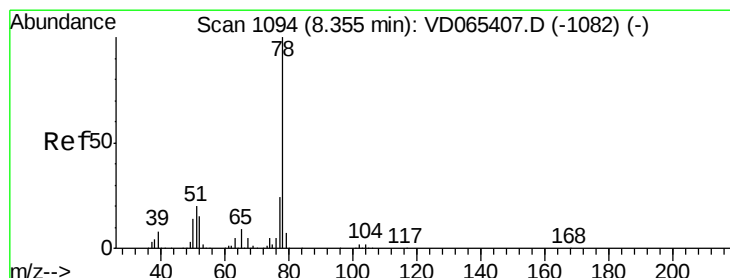
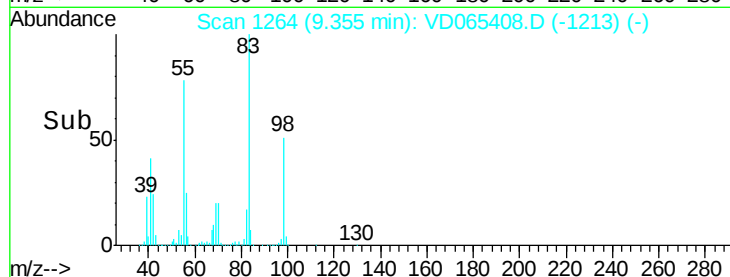
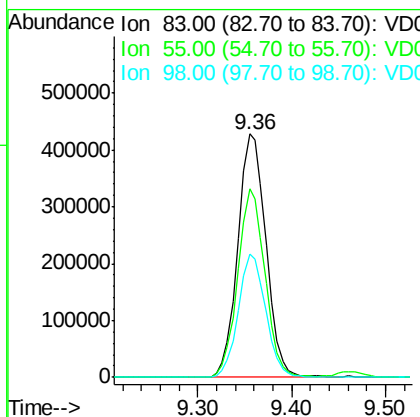
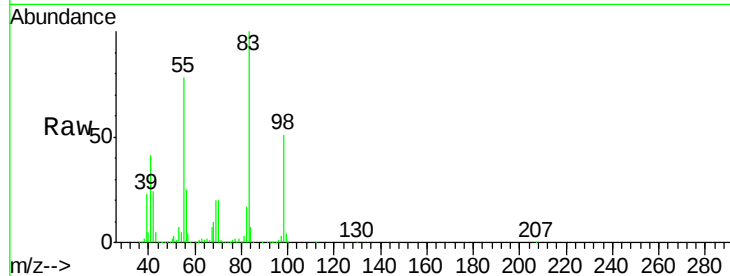
#39  
Methylvlcyclohexane  
Concen: 105.136 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion   | 83    | Resp  | 887194 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 77.6  | 57.1  | 85.7   |
| 98        | 50.7  | 37.8  | 56.8   |

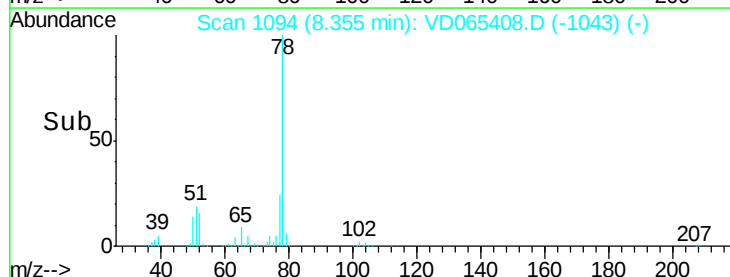
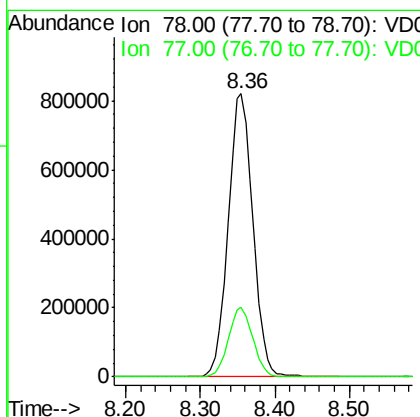
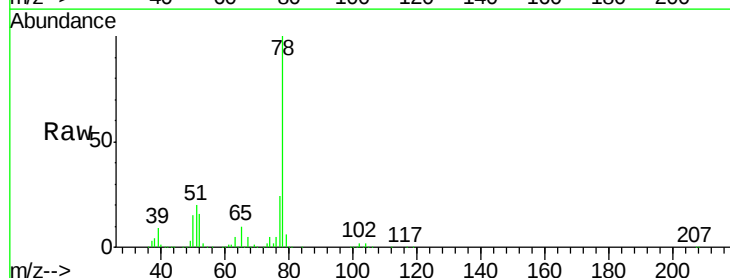
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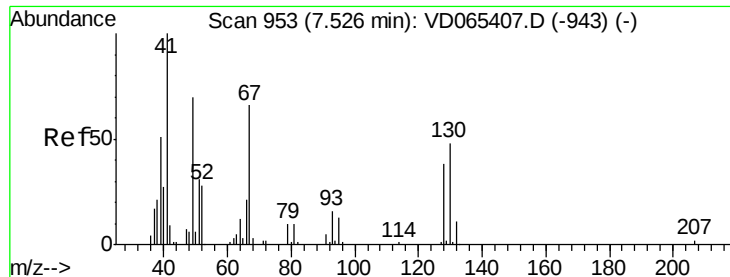
MMDadoda  
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#40  
Benzene  
Concen: 95.525 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

| Tgt Ion   | 78    | Resp  | 1891143 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 78        | 100   |       |         |
| 77        | 24.4  | 19.4  | 29.0    |





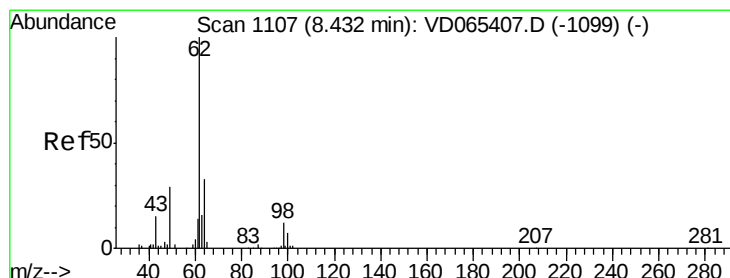
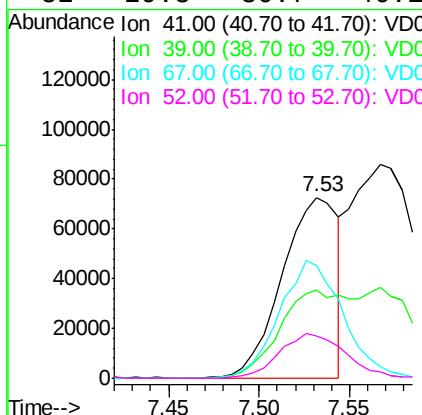
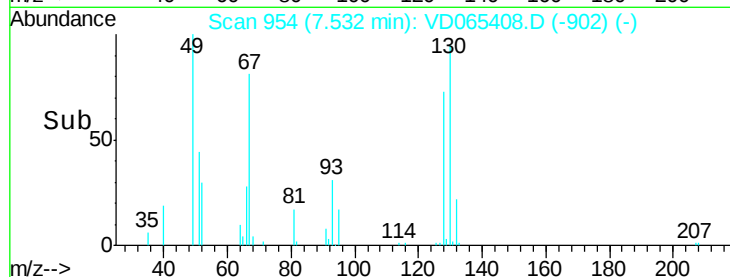
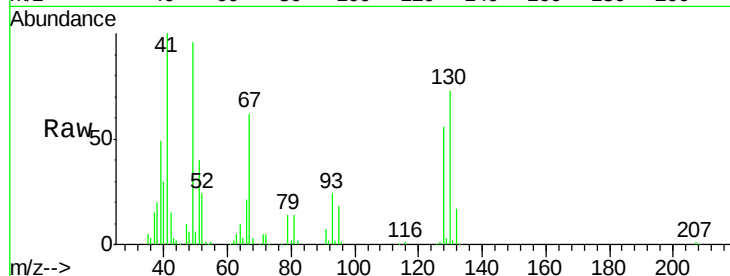
#41  
Methacrylonitrile  
Concen: 110.997 ug/l  
RT: 7.53 min Scan# 954  
Delta R.T. 0.01 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 58.7  | 55.0  | 82.6  |
| 67      | 75.2  | 70.3  | 105.5 |
| 52      | 29.8  | 30.7  | 46.1# |

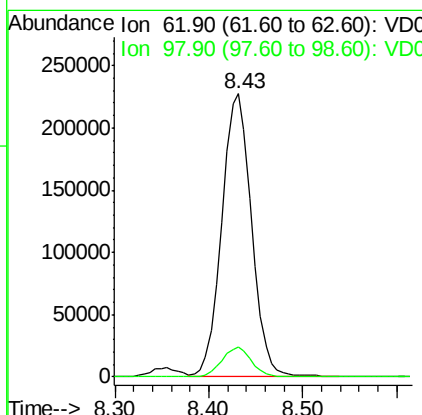
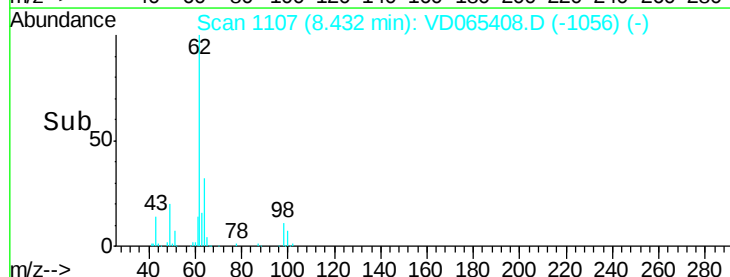
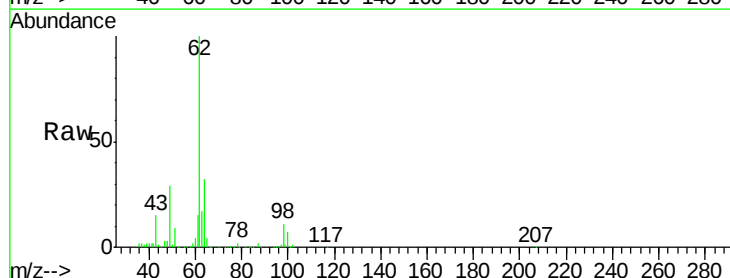
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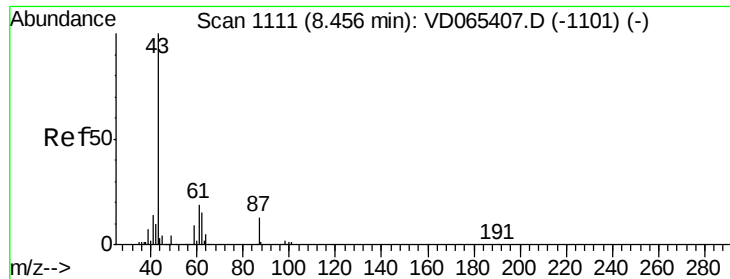
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#42  
1,2-Dichloroethane  
Concen: 95.895 ug/l  
RT: 8.43 min Scan# 1107  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.5  | 0.0   | 21.4  |





#43

Isopropyl Acetate

Concen: 100.269 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

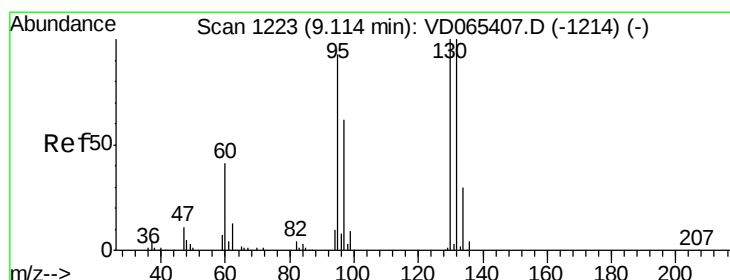
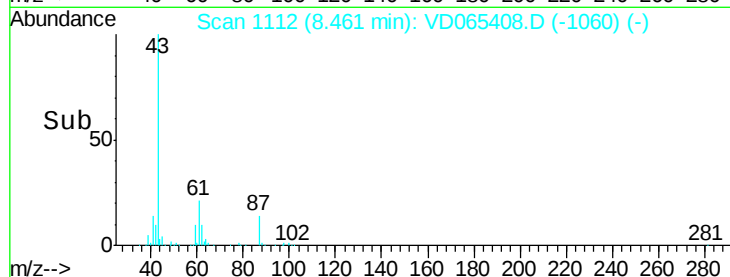
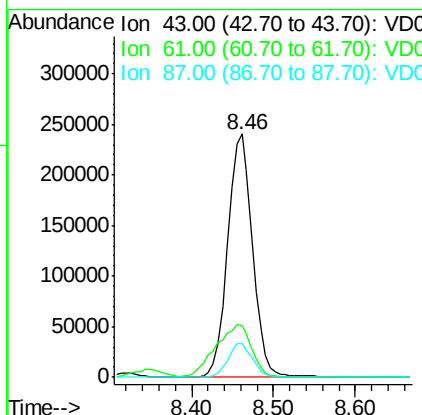
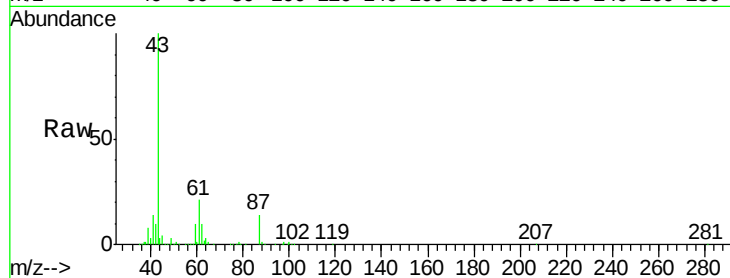
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 507229 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 31.2  | 25.0  | 37.6   |
| 87       | 13.7  | 11.0  | 16.4   |

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#44

Trichloroethene

Concen: 96.907 ug/l

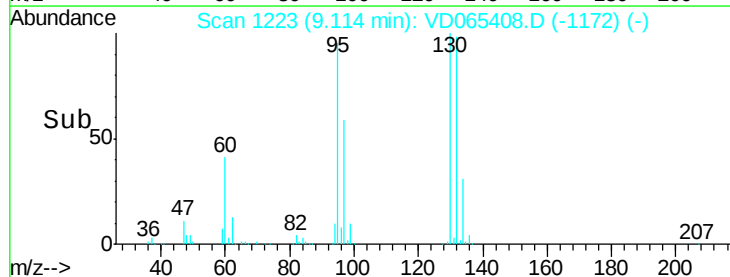
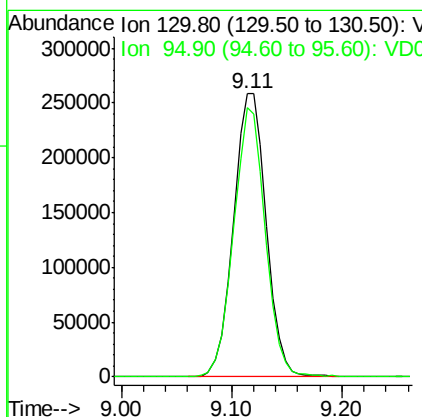
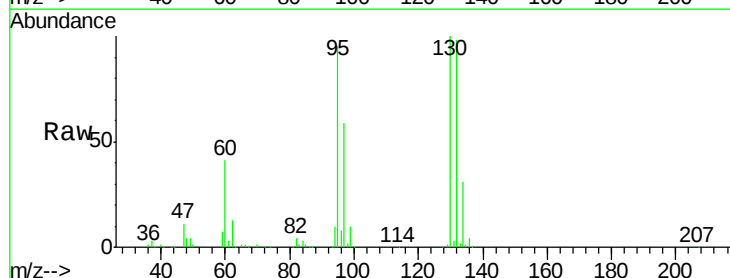
RT: 9.11 min Scan# 1223

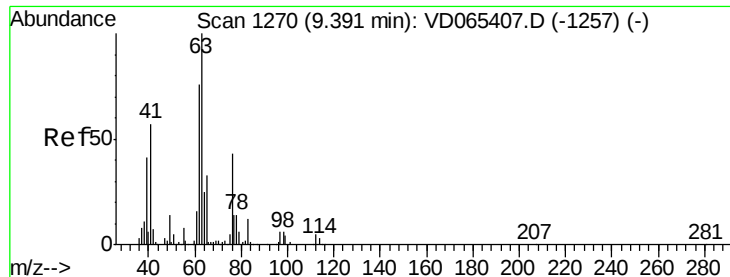
Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 538577 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 95.0  | 0.0   | 186.0  |





#45

1,2-Dichloropropane

Concen: 96.222 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICC100

Tot Ion: 63 Resp: 462653

Ion Ratio Lower Upper

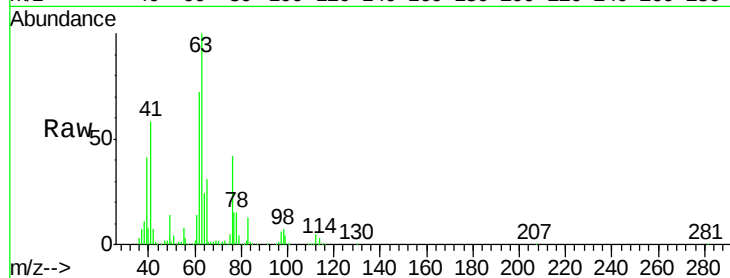
63 100

65 31.5 26.4 39.6

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

250000

200000

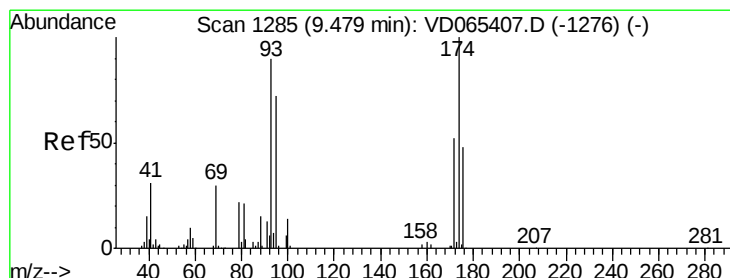
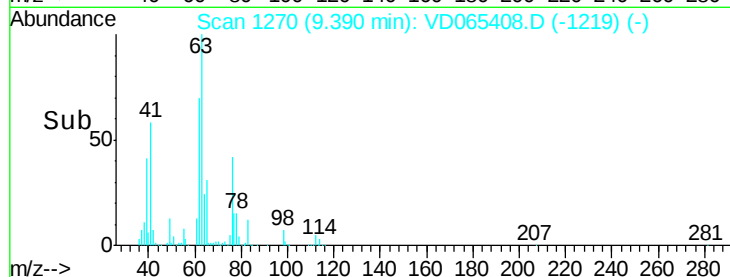
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 96.069 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

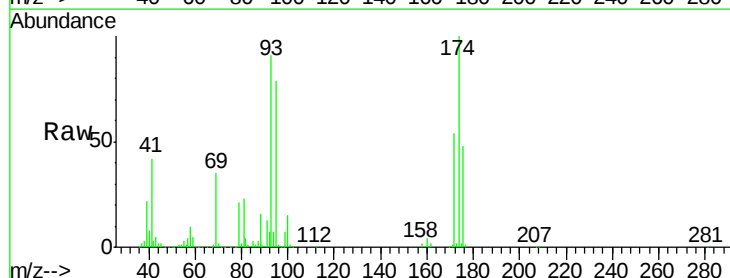
Tgt Ion: 93 Resp: 240166

Ion Ratio Lower Upper

93 100

95 84.3 65.0 97.6

174 110.8 88.3 132.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

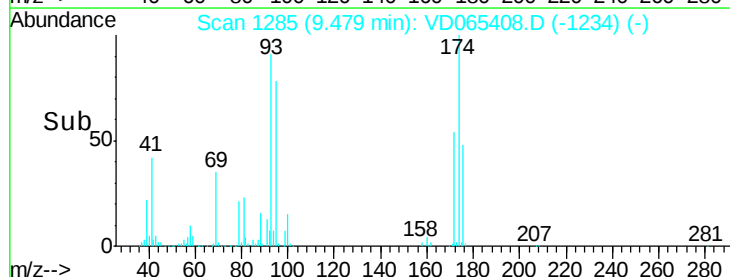
150000

100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 95.293 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

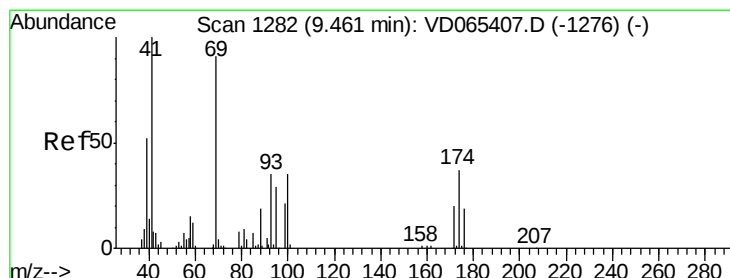
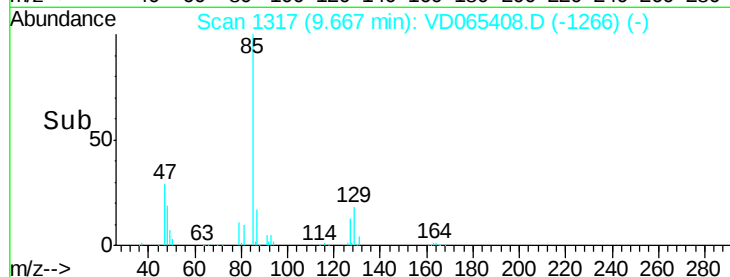
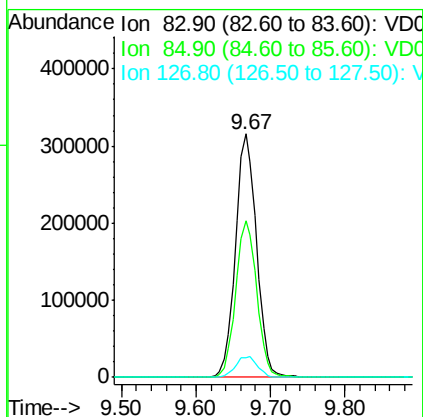
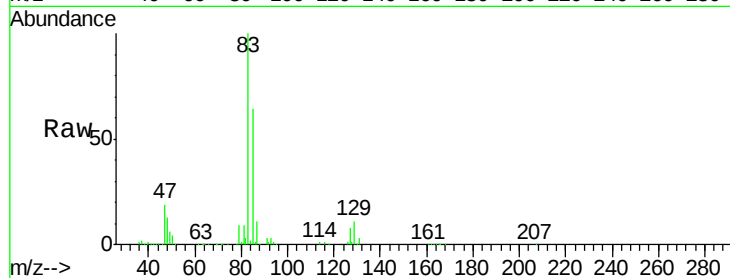
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 618477 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.4  | 52.8  | 79.2   |
| 127      | 8.3   | 8.0   | 12.0   |

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#48

Methyl methacrylate

Concen: 103.656 ug/l

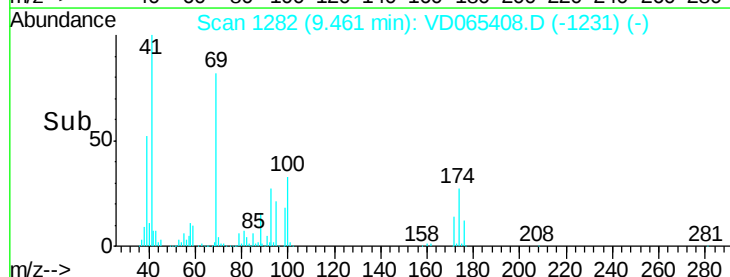
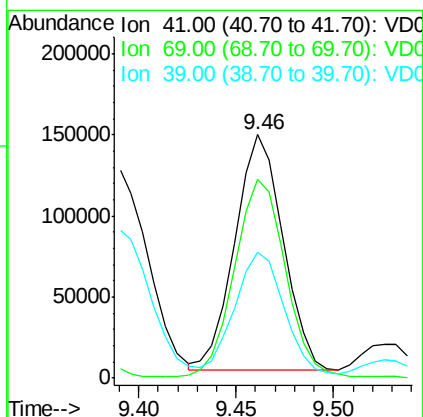
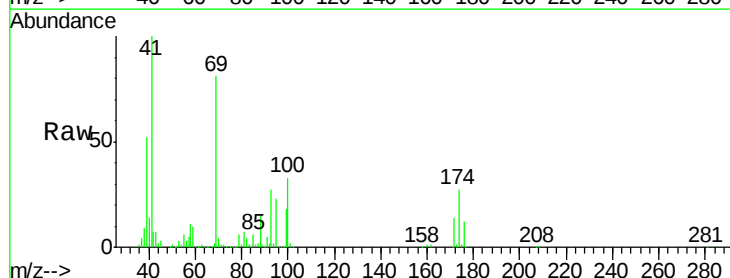
RT: 9.46 min Scan# 1282

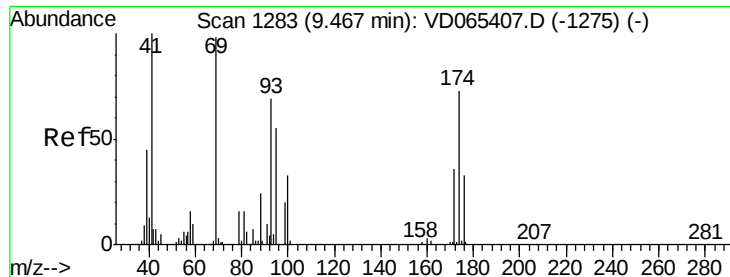
Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 248048 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 89.6  | 72.5  | 108.7  |
| 39       | 52.0  | 41.6  | 62.4   |





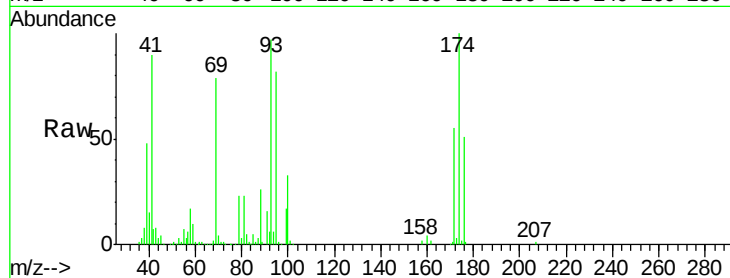
#49  
1,4-Dioxane  
Concen: 2021.425 ug/l  
RT: 9.47 min Scan# 1284  
Delta R.T. 0.01 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

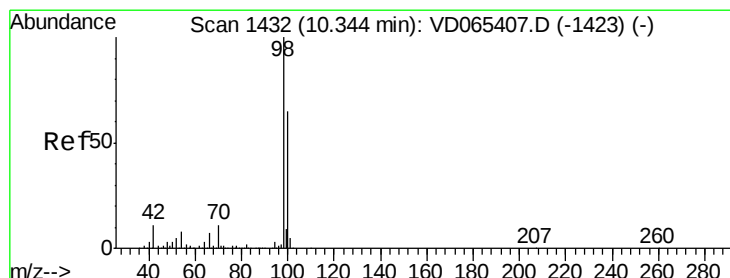
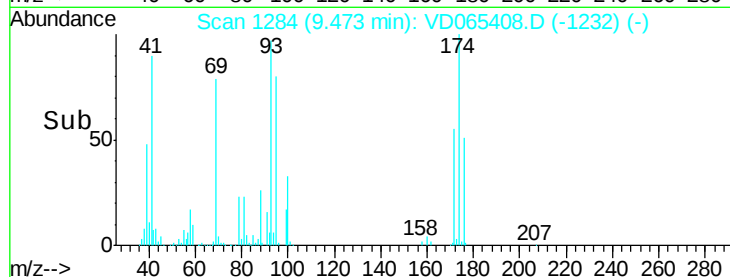
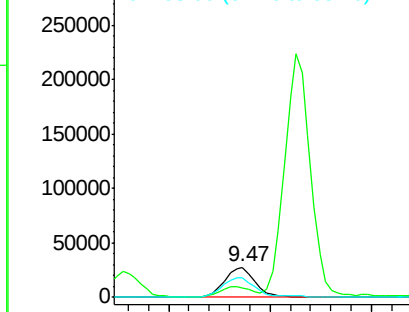
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 34.2  | 24.5  | 36.7  |
| 58      | 72.0  | 54.5  | 81.7  |

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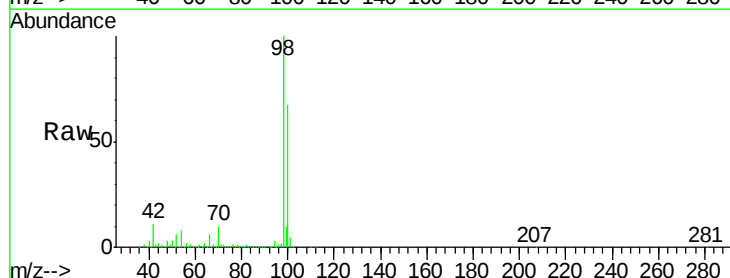


Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.00 (42.70 to 43.70): VDC  
Ion 58.00 (57.70 to 58.70): VDC

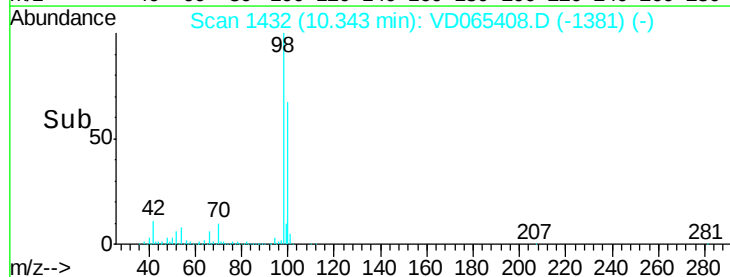
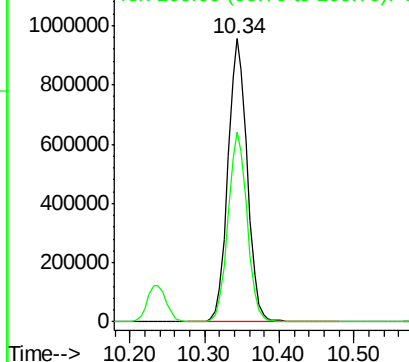


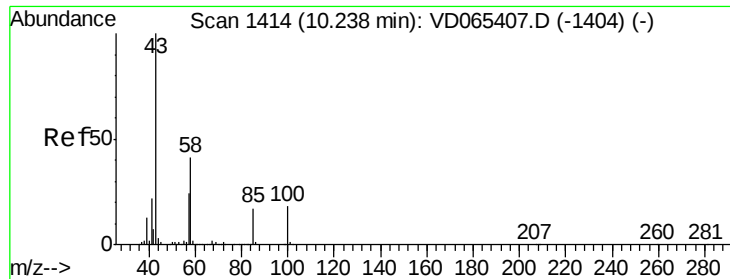
#50  
Toluene-d8  
Concen: 98.299 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.3  | 52.8  | 79.2  |



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: 515.068 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1317709

Ion Ratio Lower Upper

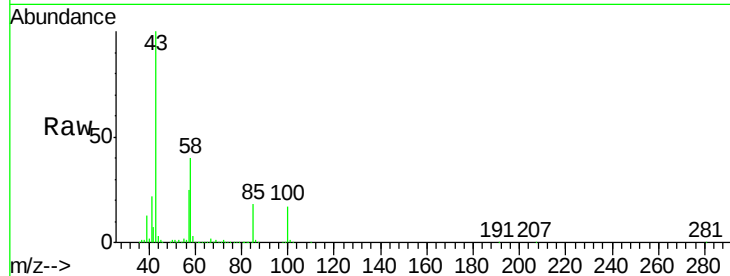
43 100

58 40.0 31.8 47.6

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

800000

600000

400000

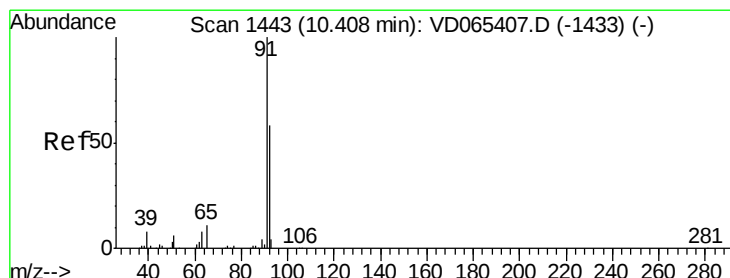
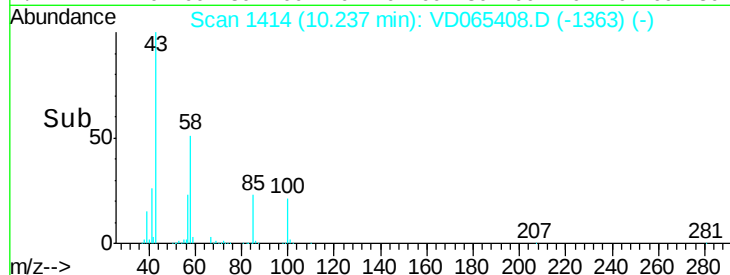
200000

0

10.20

10.30

Time-->



#52

Toluene

Concen: 97.641 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065408.D

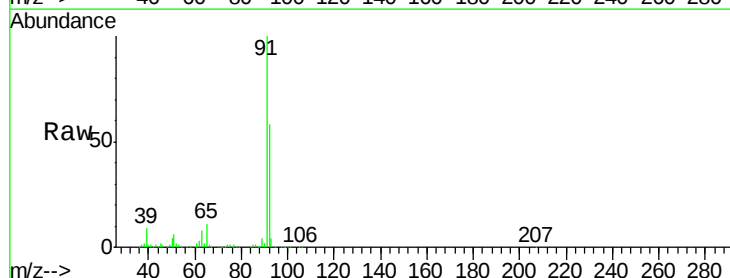
Acq: 04 Mar 2020 12:28

Tgt Ion: 92 Resp: 1219156

Ion Ratio Lower Upper

92 100

91 171.6 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1000000

500000

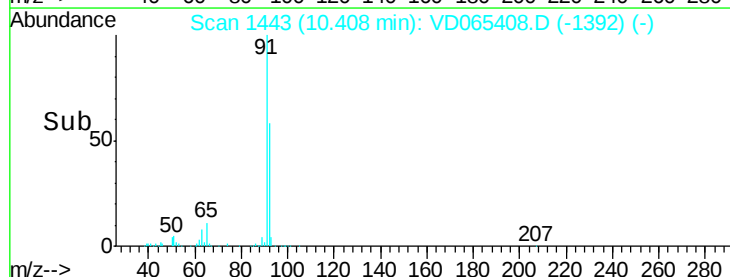
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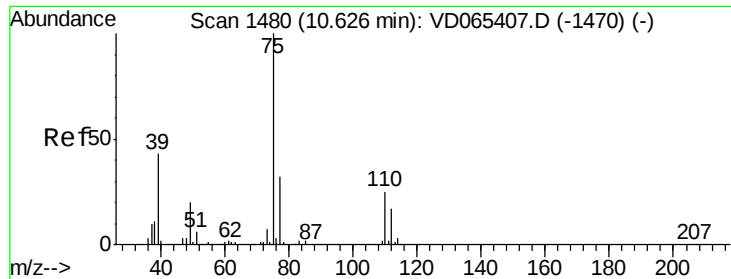
10.30

10.40

10.50

Time-->





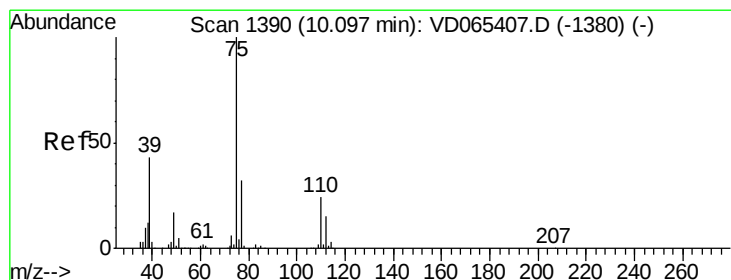
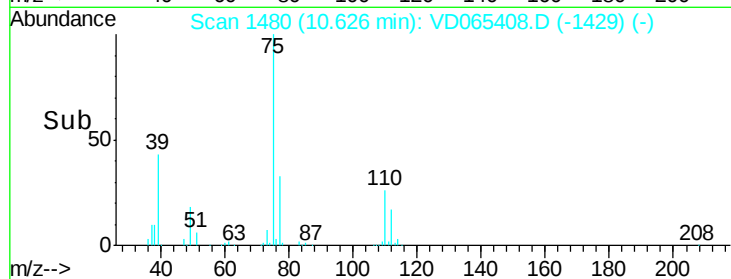
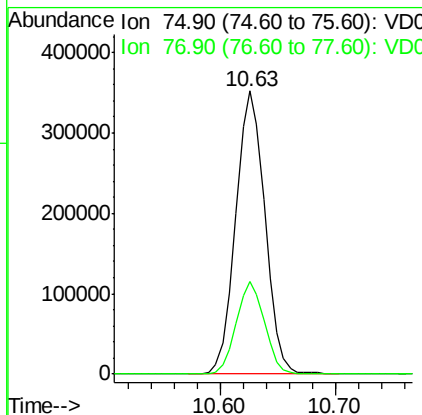
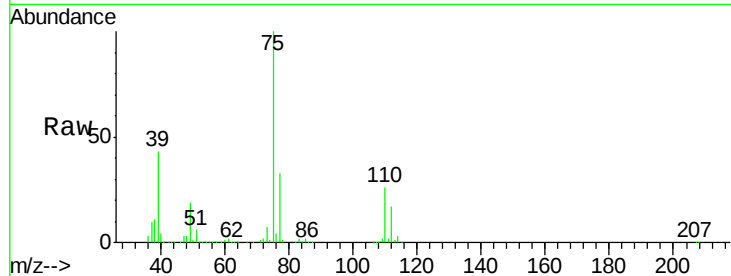
#53  
 t-1,3-Dichloropropene  
 Concen: 101.266 ug/l  
 RT: 10.63 min Scan# 1480  
 Delta R.T. -0.00 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

Tot Ion: 75 Resp: 618403  
 Ion Ratio Lower Upper  
 75 100  
 77 32.9 25.4 38.2

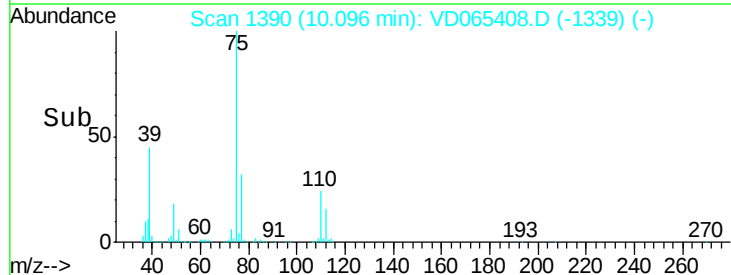
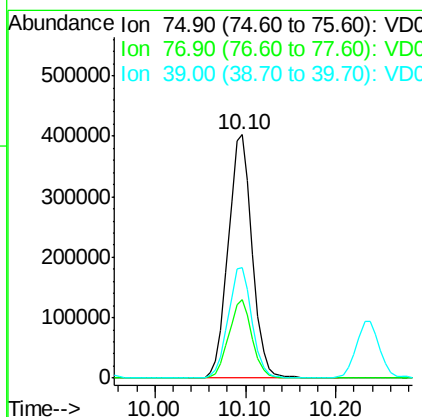
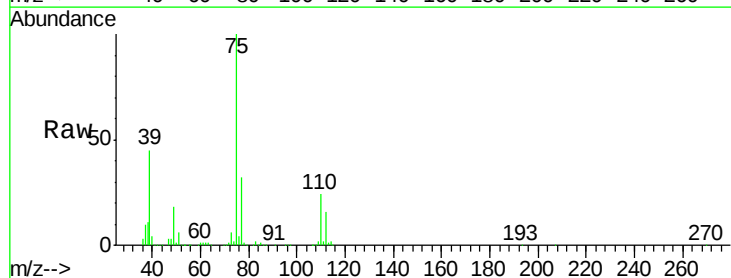
Manual Integrations  
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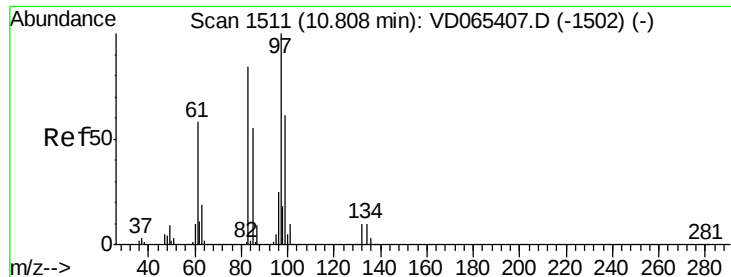
MMDadoda  
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#54  
 cis-1,3-Dichloropropene  
 Concen: 100.390 ug/l  
 RT: 10.10 min Scan# 1390  
 Delta R.T. -0.00 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

Tgt Ion: 75 Resp: 740387  
 Ion Ratio Lower Upper  
 75 100  
 77 32.3 25.3 37.9  
 39 45.3 34.6 52.0





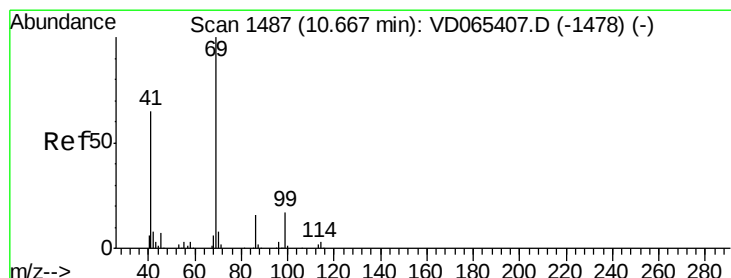
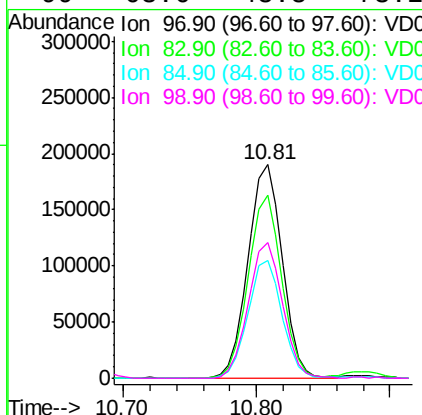
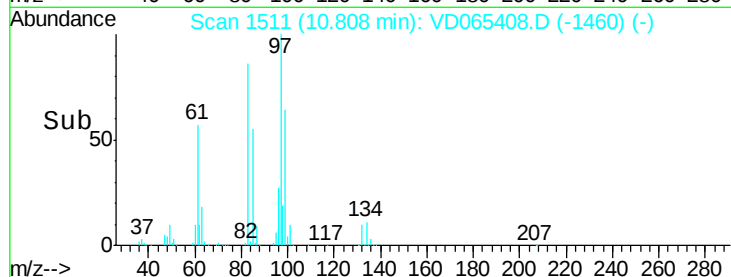
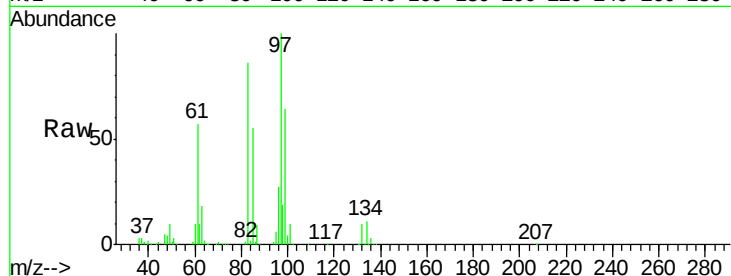
#55  
 1,1,2-Trichloroethane  
 Concen: 95.297 ug/l  
 RT: 10.81 min Scan# 1511  
 Delta R.T. -0.00 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 336932 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.7  | 67.4  | 101.0  |
| 85       | 55.1  | 43.8  | 65.8   |
| 99       | 63.6  | 48.8  | 73.2   |

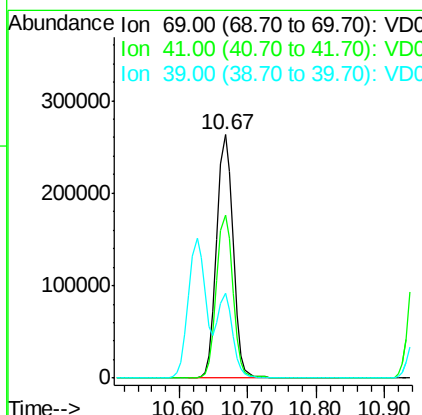
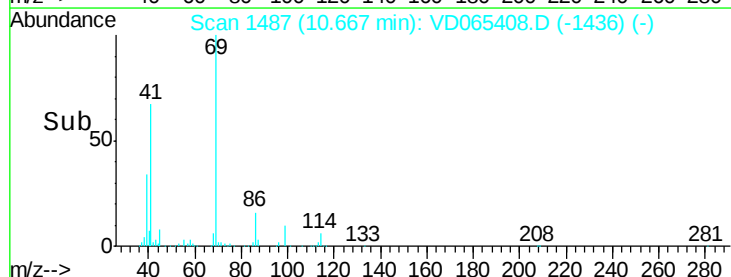
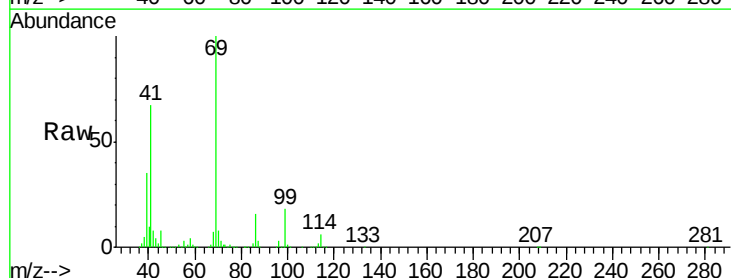
Manual Integrations  
 APPROVED

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#56  
 Ethyl methacrylate  
 Concen: 109.154 ug/l  
 RT: 10.67 min Scan# 1487  
 Delta R.T. -0.00 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 437539 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 68.0  | 53.0  | 79.6   |
| 39       | 31.0  | 26.0  | 39.0   |





#57

1,3-Dichloropropane

Concen: 96.903 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 581433

Ion Ratio Lower Upper

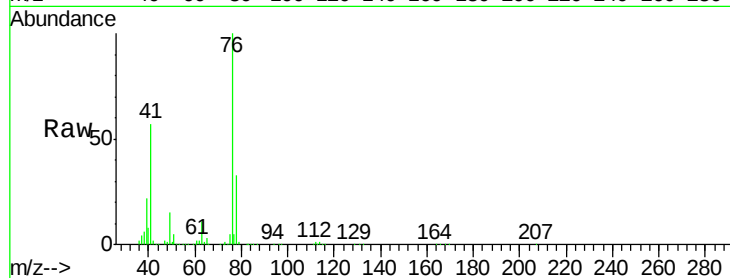
76 100

78 32.8 26.0 39.0

Manual Integrations  
APPROVED

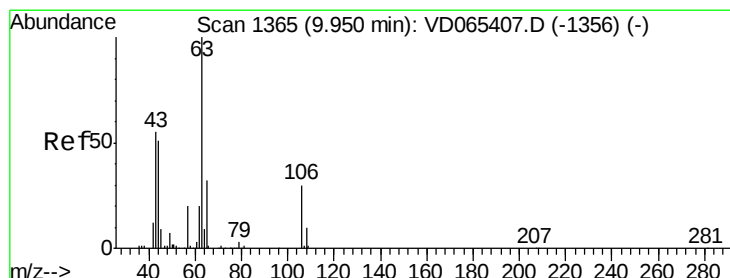
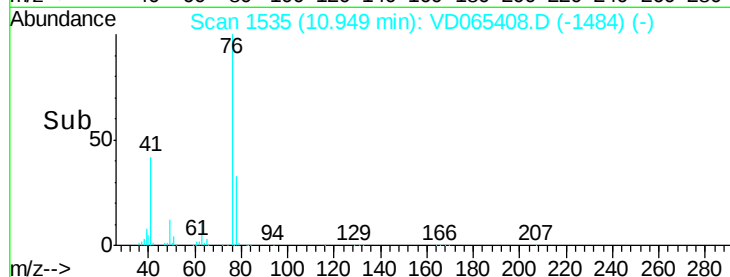
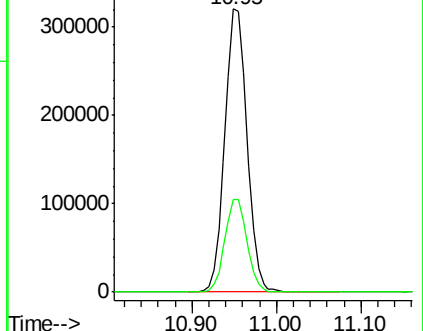
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 423.496 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065408.D

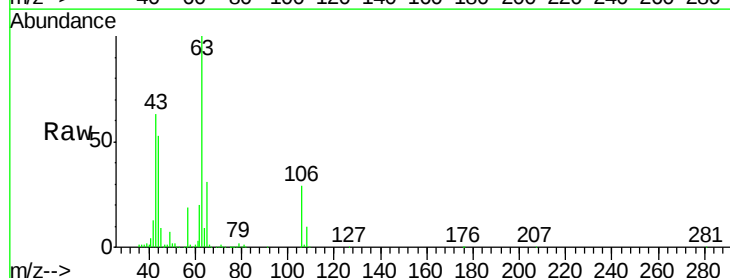
Acq: 04 Mar 2020 12:28

Tgt Ion: 63 Resp: 603489

Ion Ratio Lower Upper

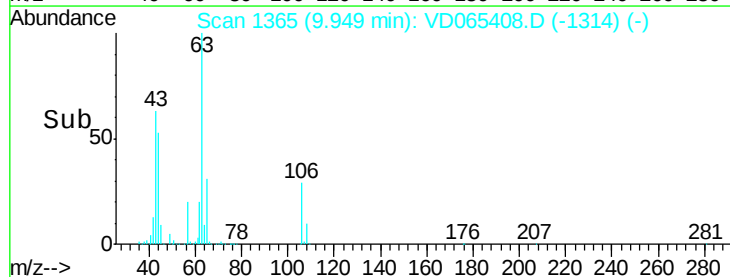
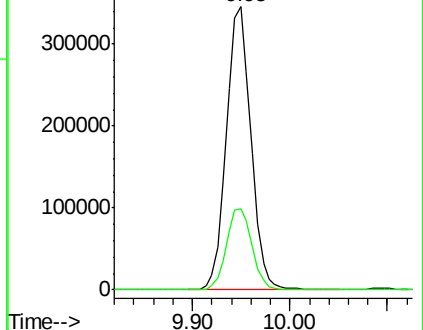
63 100

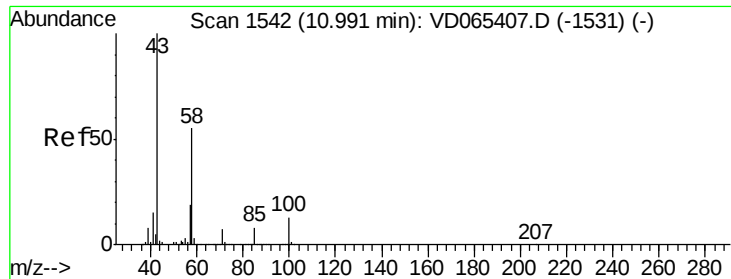
106 29.8 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





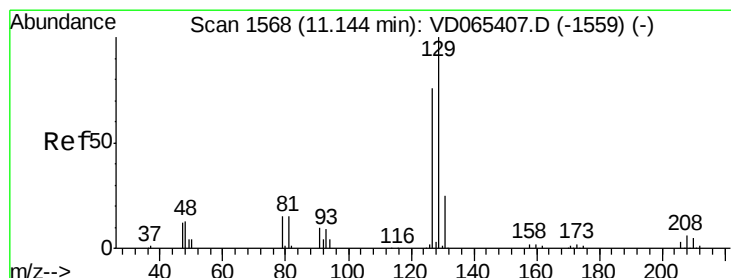
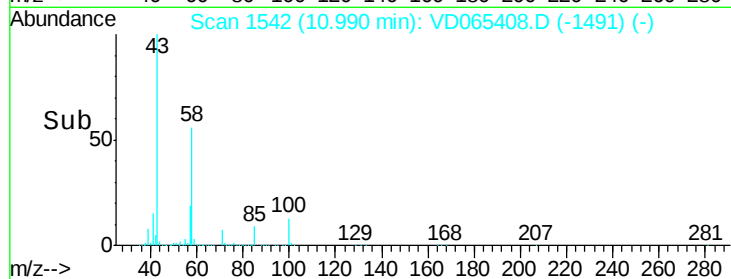
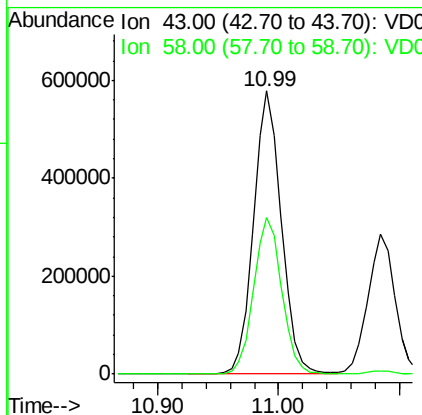
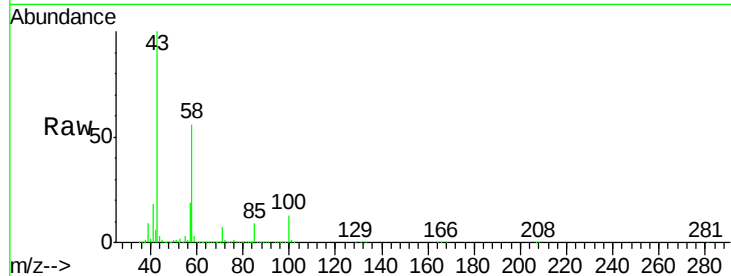
#59  
2-Hexanone  
Concen: 523.751 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 56.2  | 27.4  | 82.2  |

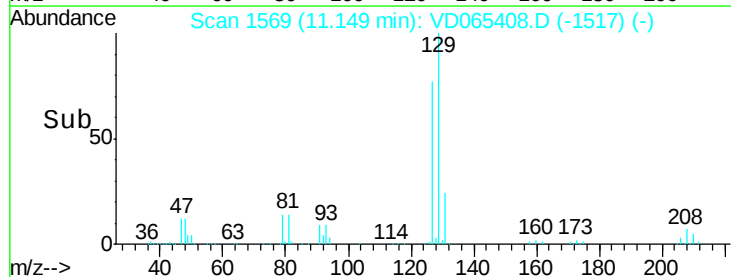
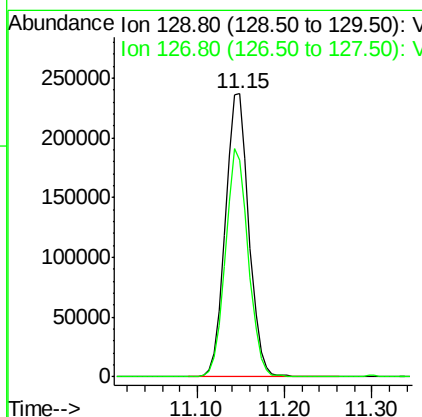
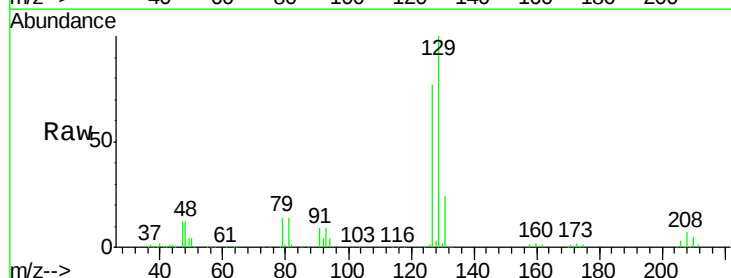
Manual Integrations  
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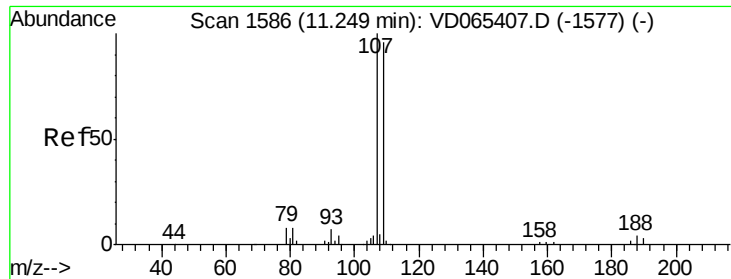
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 96.331 ug/l  
RT: 11.15 min Scan# 1569  
Delta R.T. 0.01 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 77.8  | 38.5  | 115.5 |





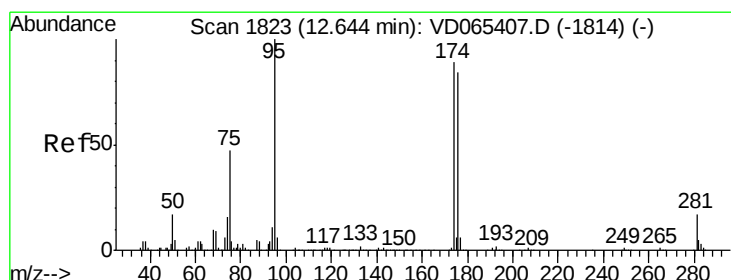
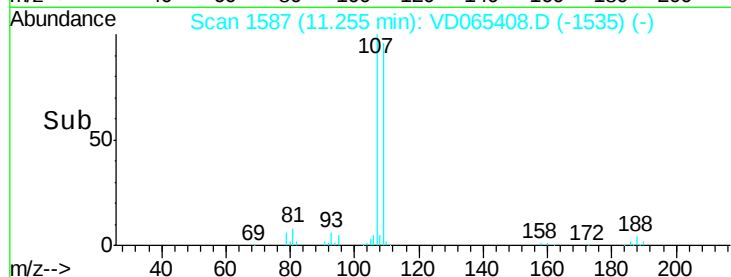
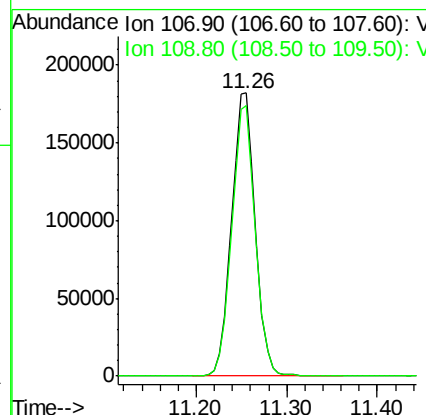
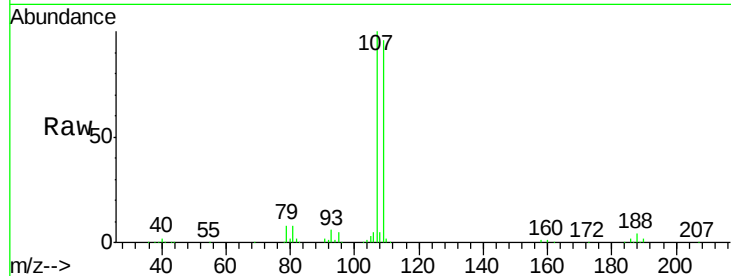
#61  
 1,2-Dibromoethane  
 Concen: 97.669 ug/l  
 RT: 11.26 min Scan# 1587  
 Delta R.T. 0.01 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 329801 |       |       |
| 109     | 95.0  | 76.8   | 115.2 |       |

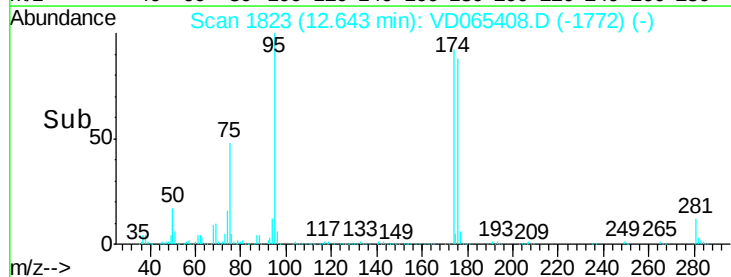
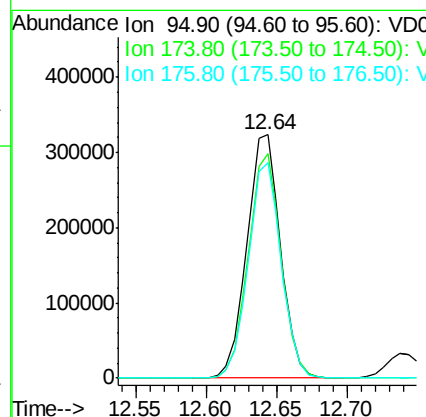
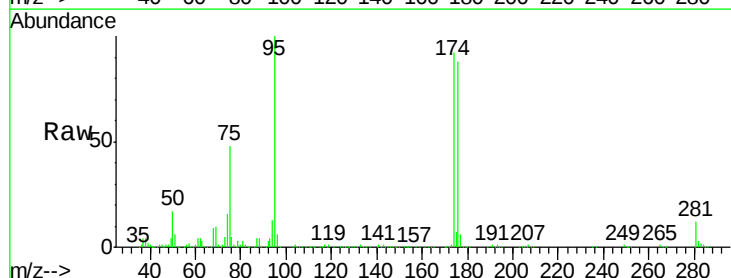
Manual Integrations  
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#62  
 4-Bromofluorobenzene  
 Concen: 98.844 ug/l  
 RT: 12.64 min Scan# 1823  
 Delta R.T. -0.00 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 540058 |       |       |
| 174     | 90.2  | 0.0    | 176.8 |       |
| 176     | 86.6  | 0.0    | 171.4 |       |





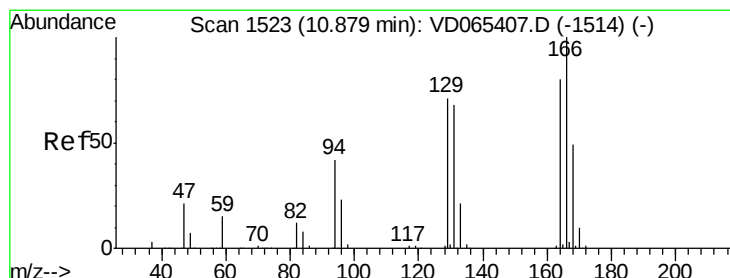
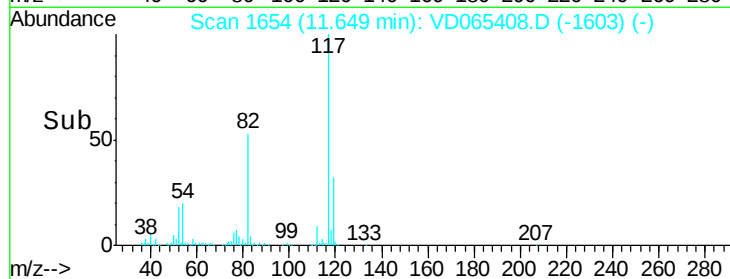
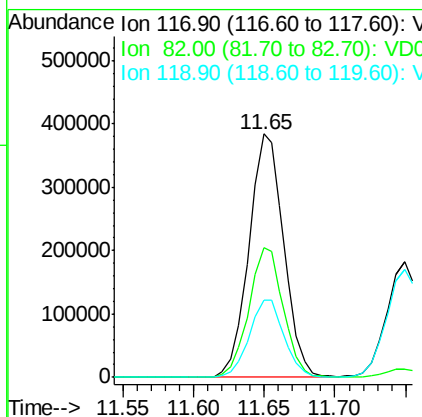
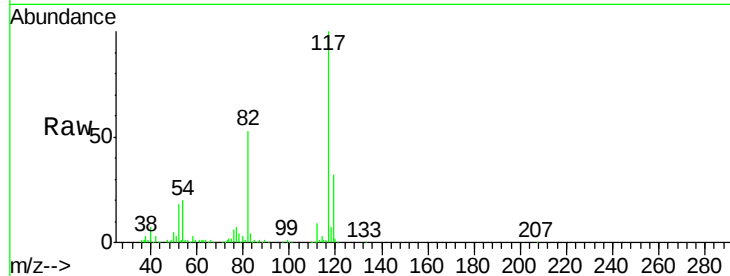
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.1  | 40.6  | 60.8  |
| 119     | 31.8  | 25.4  | 38.2  |

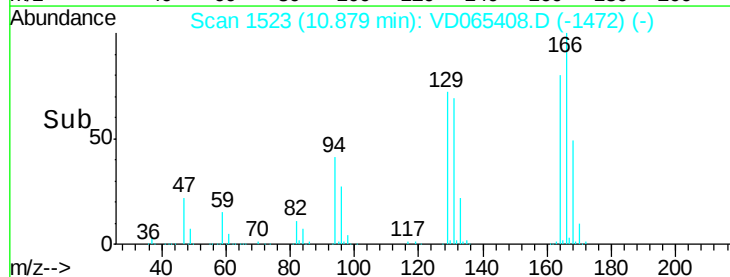
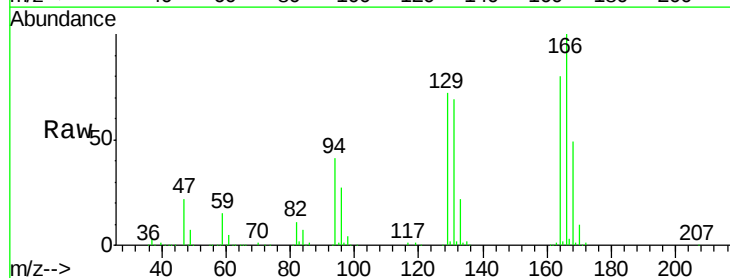
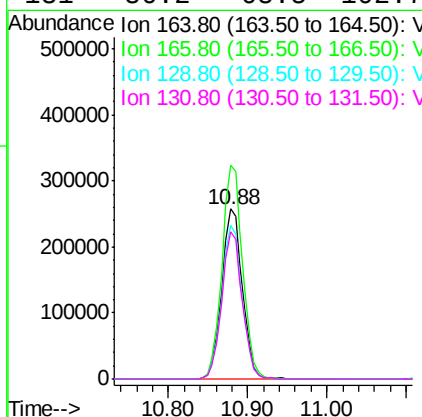
Manual Integrations  
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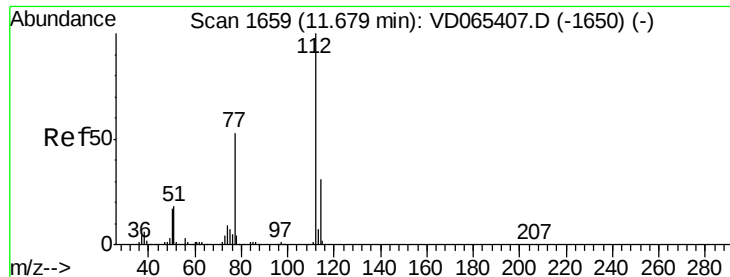
MMDadoda  
3/5/2020 1:38:33 PM



#64  
Tetrachloroethene  
Concen: 96.549 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.5 | 100.5 | 150.7 |
| 129     | 90.5  | 71.5  | 107.3 |
| 131     | 86.2  | 68.5  | 102.7 |





#65

Chlorobenzene

Concen: 95.460 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 1263409

Ion Ratio Lower Upper

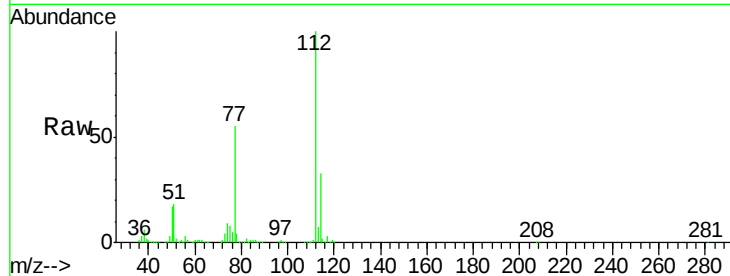
112 100

114 32.6 24.4 36.6

Manual Integrations  
APPROVED

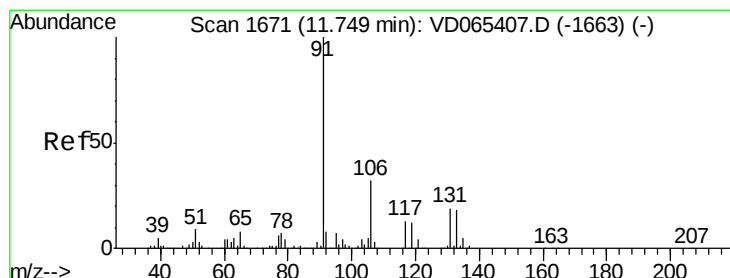
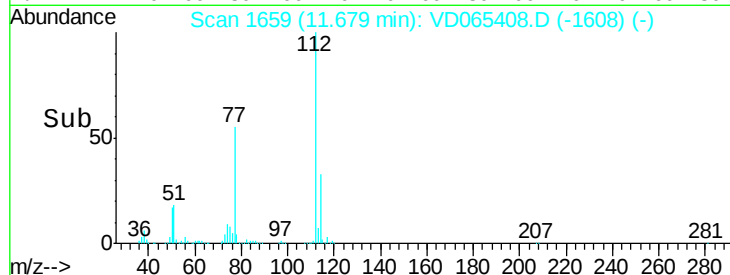
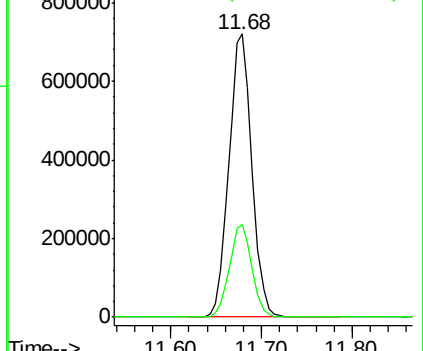
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 95.589 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

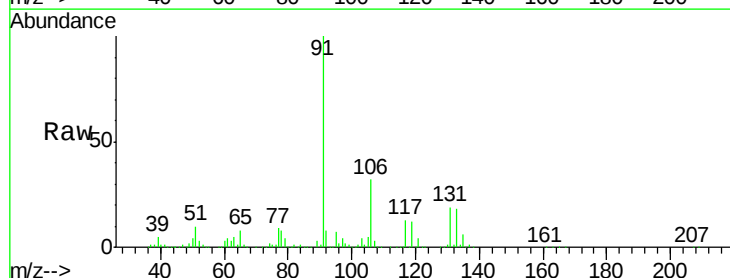
Tgt Ion:131 Resp: 461888

Ion Ratio Lower Upper

131 100

133 95.6 49.2 147.6

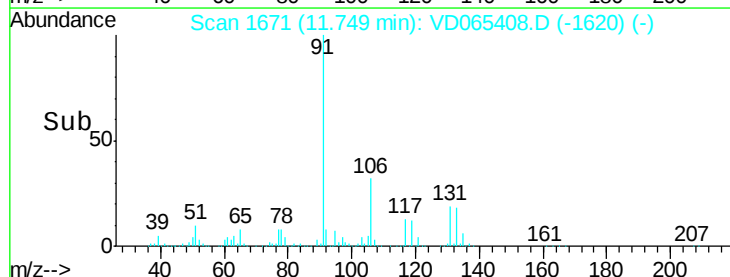
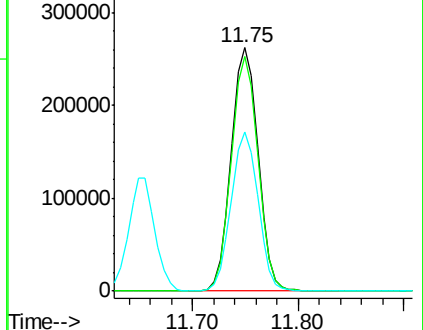
119 65.2 33.3 99.8

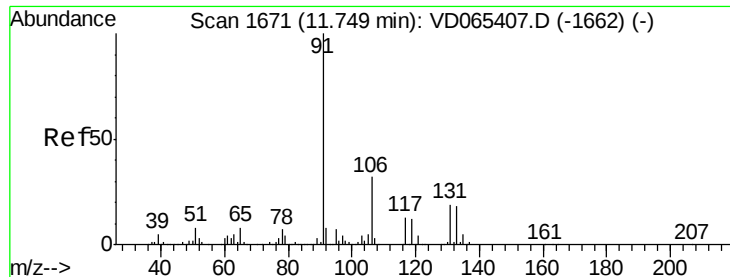


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 100.951 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2303278

Ion Ratio Lower Upper

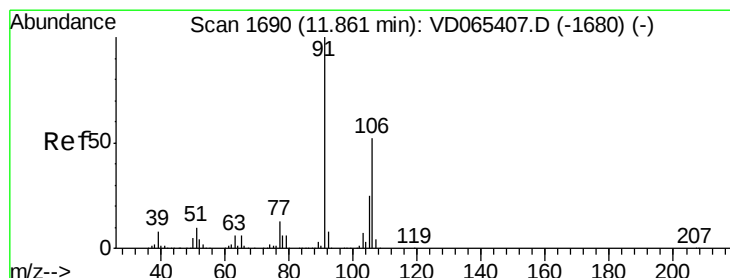
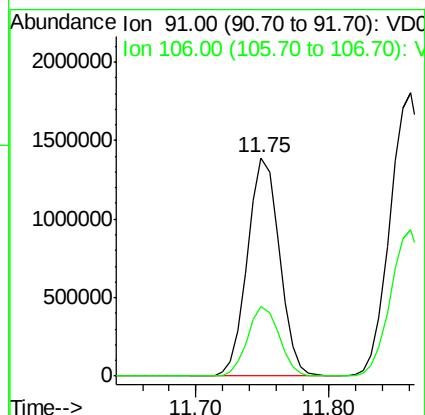
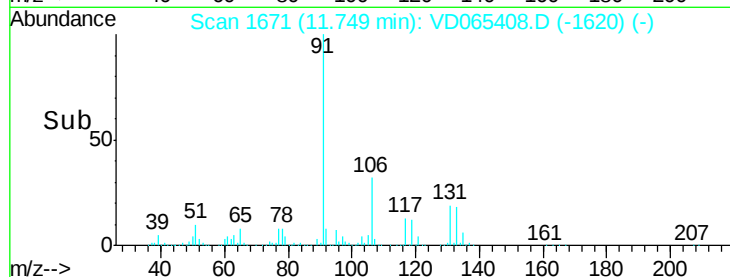
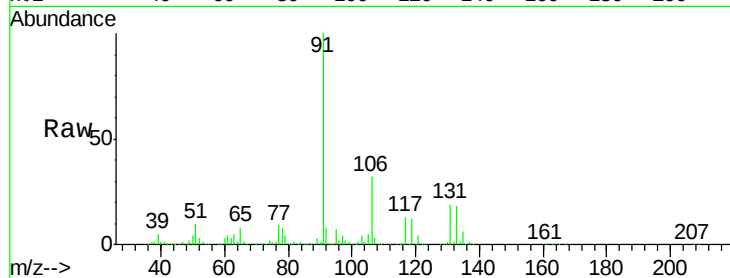
91 100

106 31.7 25.2 37.8

Manual Integrations  
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#68

m/p-Xylenes

Concen: 199.648 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065408.D

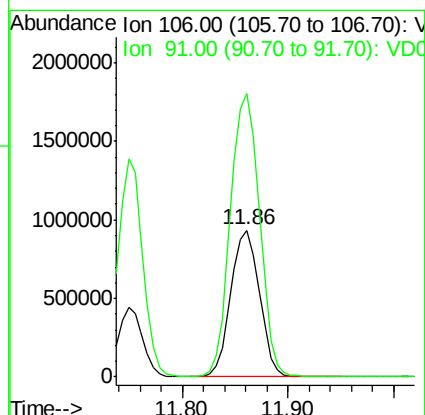
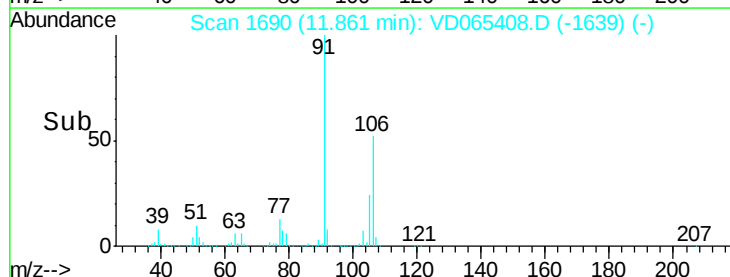
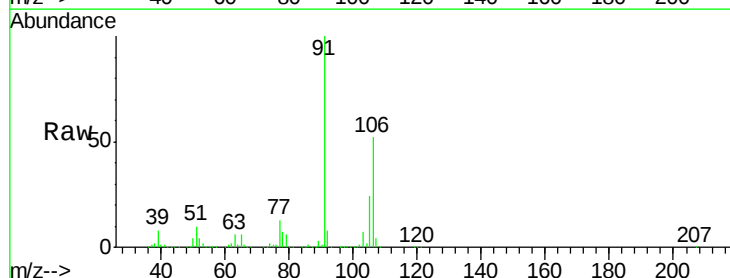
Acq: 04 Mar 2020 12:28

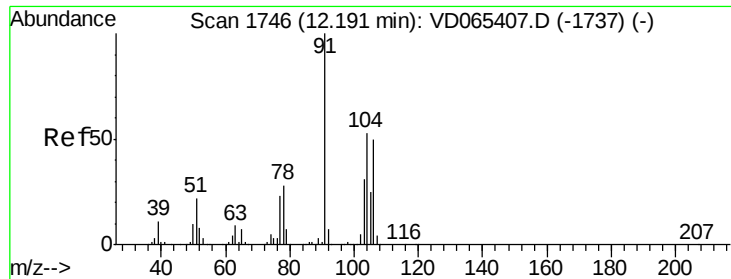
Tgt Ion: 106 Resp: 1756076

Ion Ratio Lower Upper

106 100

91 196.1 155.9 233.9





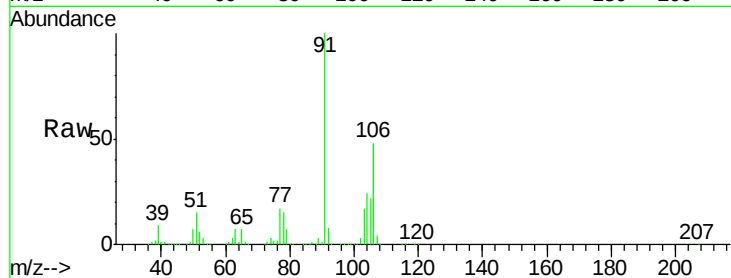
#69  
o-Xylene  
Concen: 103.475 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. -0.01 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

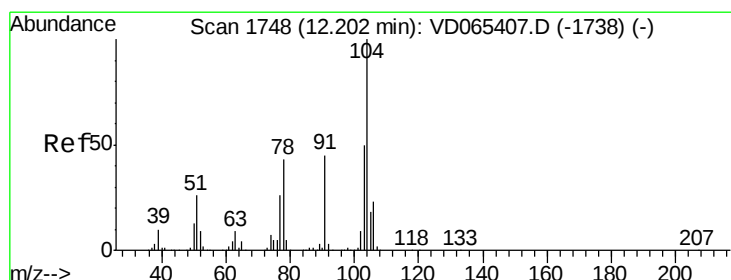
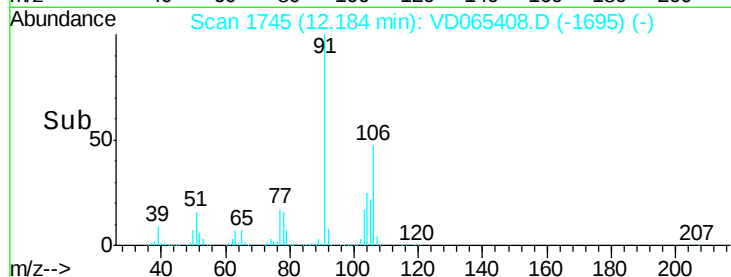
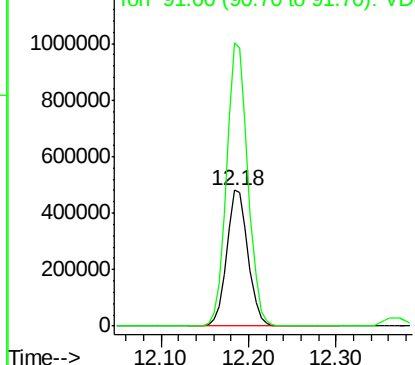
Tot Ion:106 Resp: 800527  
Ion Ratio Lower Upper  
106 100  
91 208.2 103.5 310.3

Manual Integrations  
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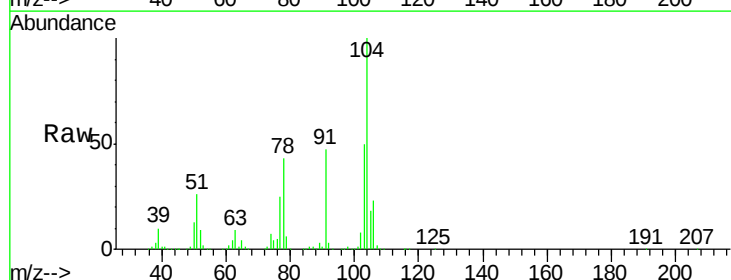


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

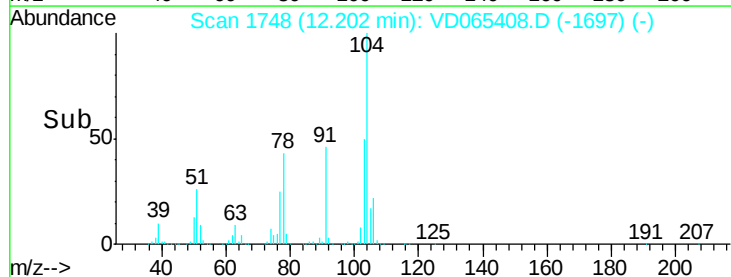
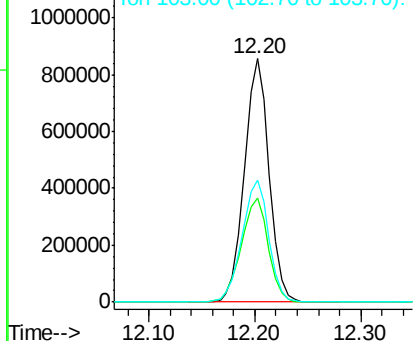


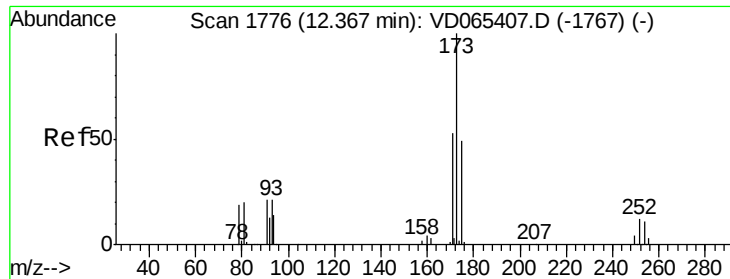
#70  
Styrene  
Concen: 101.573 ug/l  
RT: 12.20 min Scan# 1748  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Tgt Ion:104 Resp: 1386156  
Ion Ratio Lower Upper  
104 100  
78 46.9 37.7 56.5  
103 54.2 43.6 65.4



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: 96.355 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

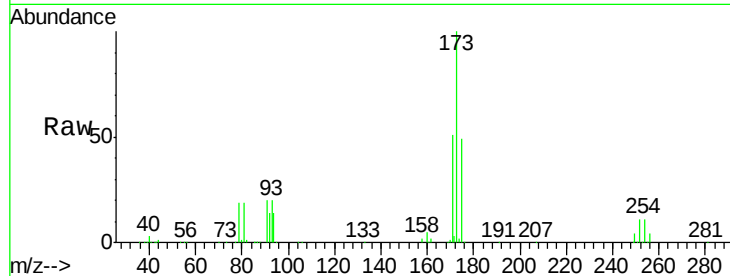
ClientSampleId :

VSTDIC100

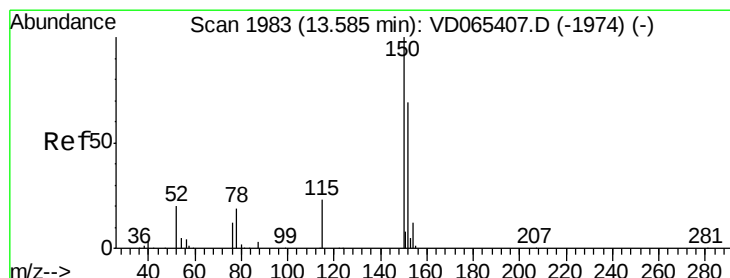
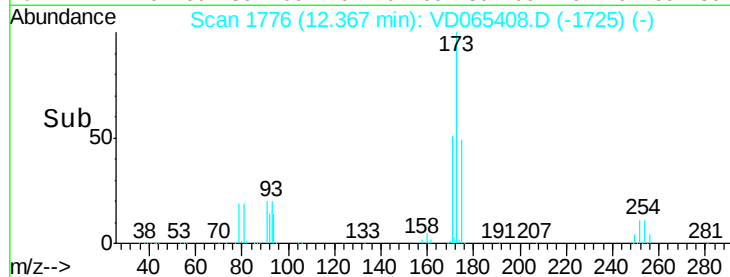
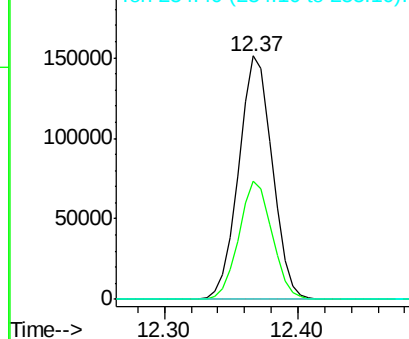
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 262643 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 48.1  | 24.3  | 73.0   |
| 254       | 0.1   | 0.1   | 0.1    |

Manual Integrations  
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

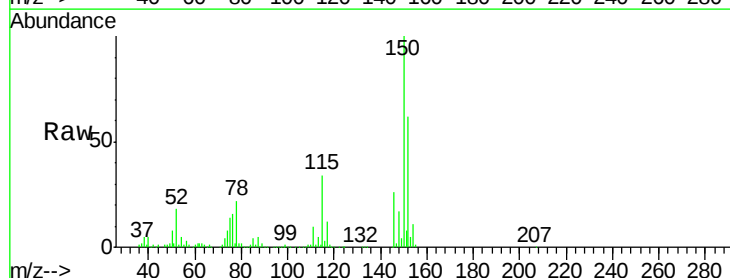
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

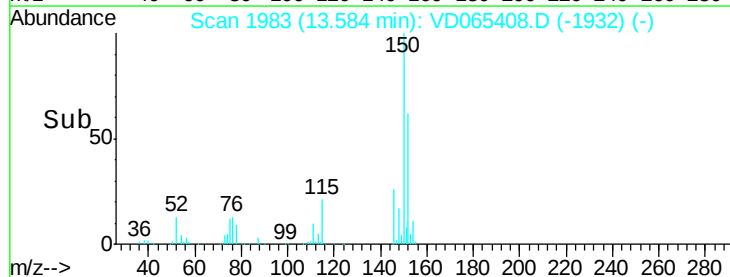
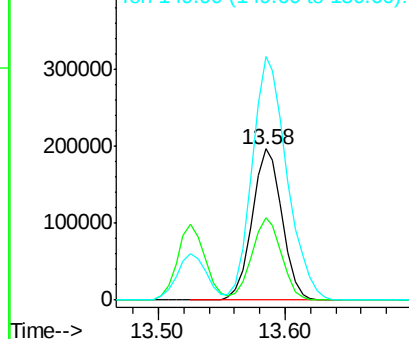
Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 323220 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 54.7  | 27.6  | 82.8   |
| 150       | 186.3 | 0.0   | 345.0  |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 104.121 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2210285

Ion Ratio Lower Upper

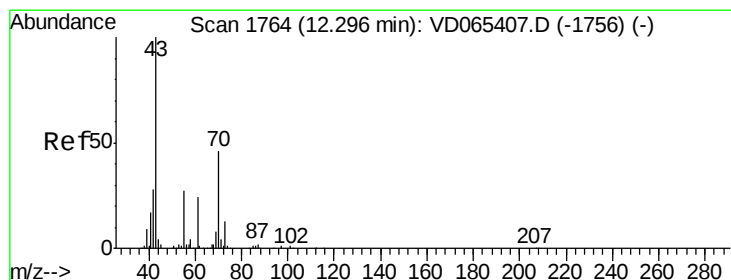
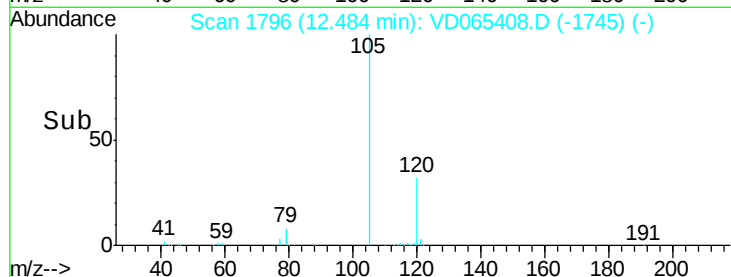
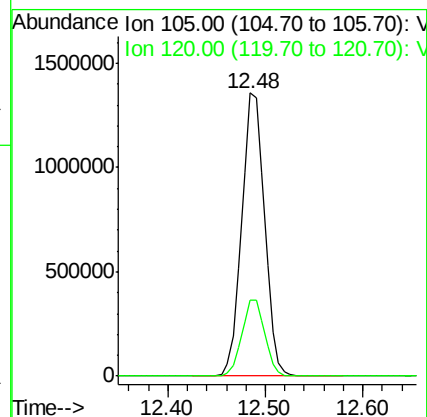
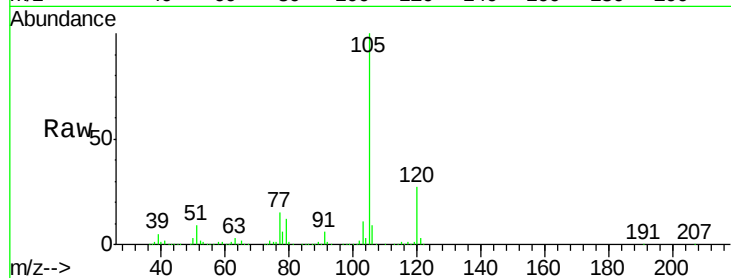
105 100

120 27.0 13.5 40.4

Manual Integrations  
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#74

N-ethyl acetate

Concen: 106.667 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Tgt Ion: 43 Resp: 467579

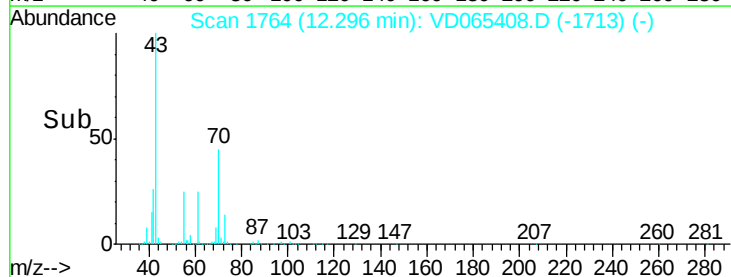
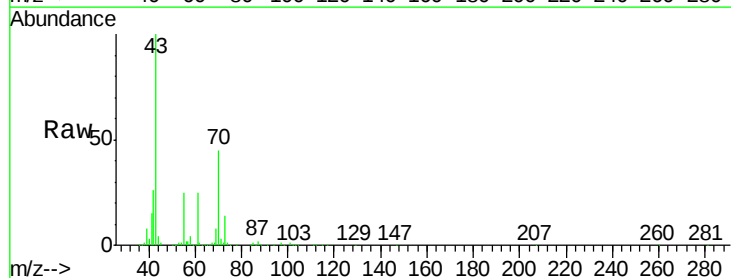
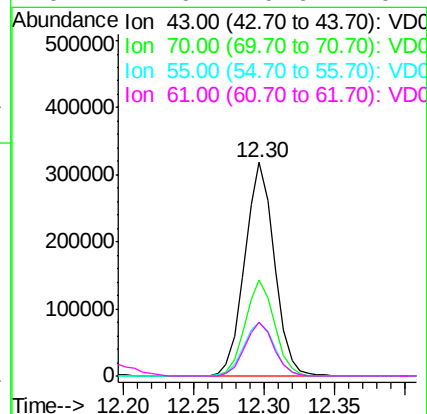
Ion Ratio Lower Upper

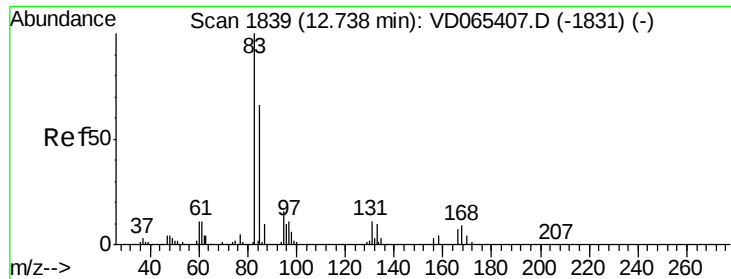
43 100

70 44.5 36.1 54.1

55 26.2 21.6 32.4

61 24.9 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 96.777 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

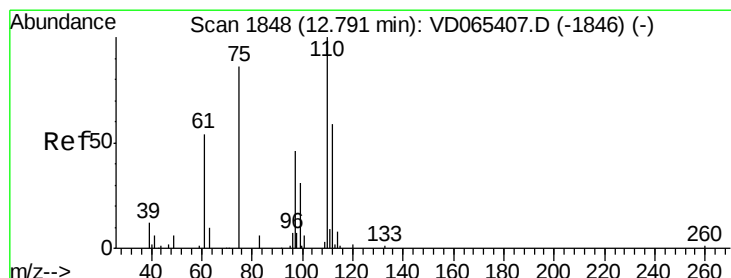
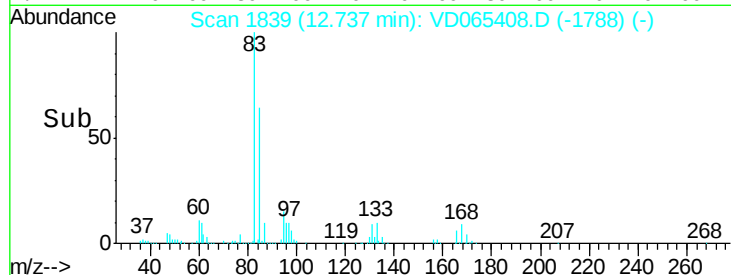
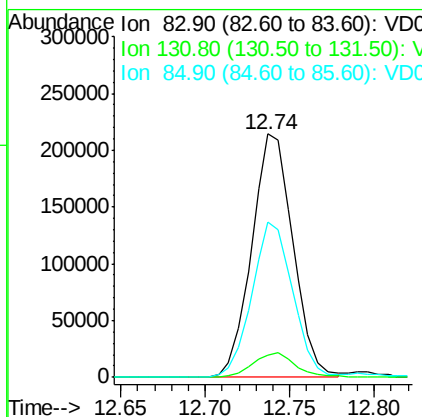
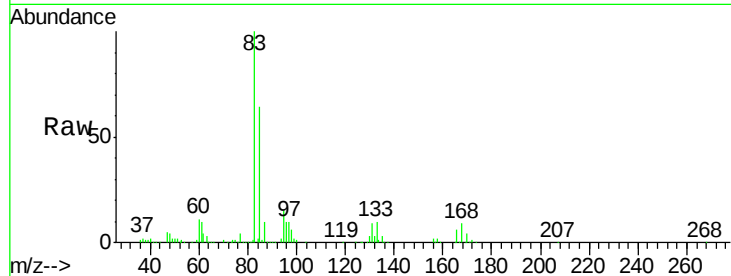
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 364440 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.6  | 5.4   | 16.2   |
| 85        | 63.1  | 33.0  | 98.9   |

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#76

1,2,3-Trichloropropane

Concen: 57.258 ug/l m

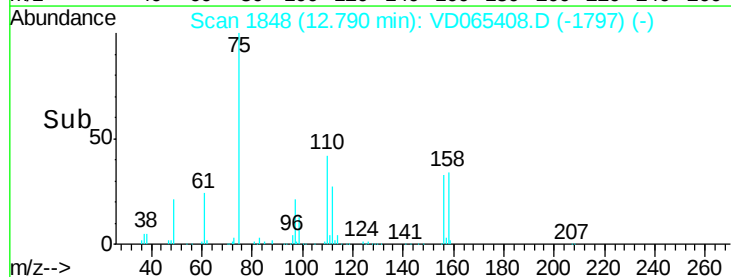
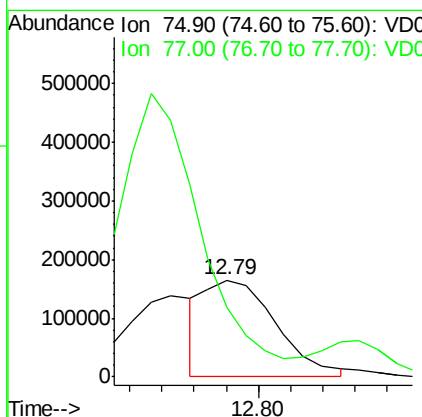
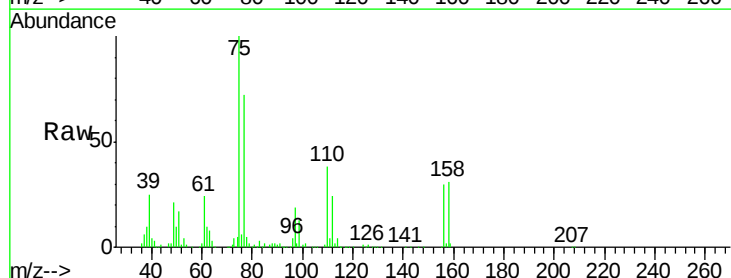
RT: 12.79 min Scan# 1848

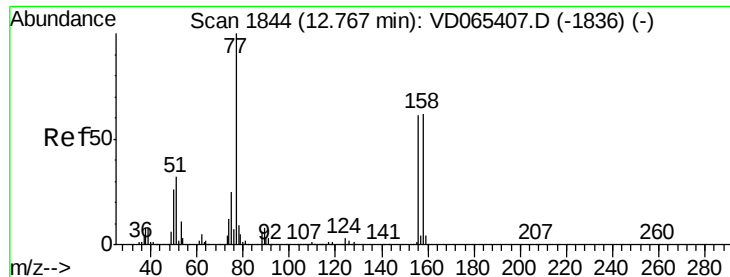
Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 255607 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 97.877 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 520975

Ion Ratio Lower Upper

156 100

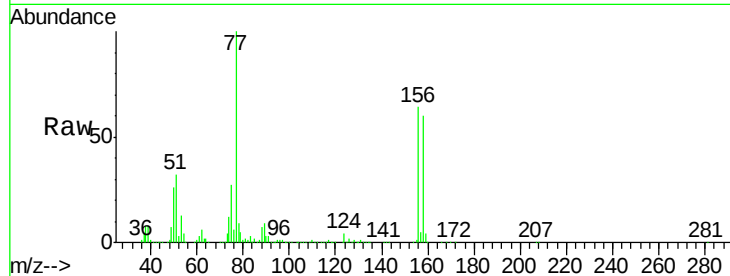
77 169.0 84.9 254.6

158 96.6 49.0 147.2

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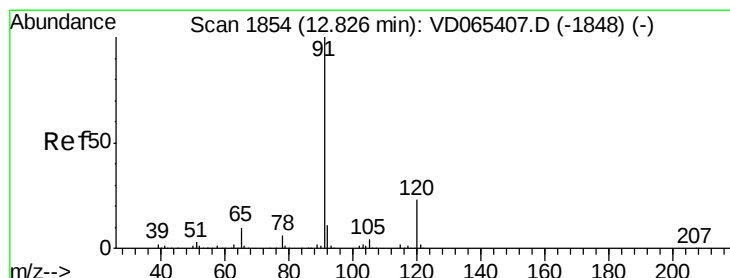
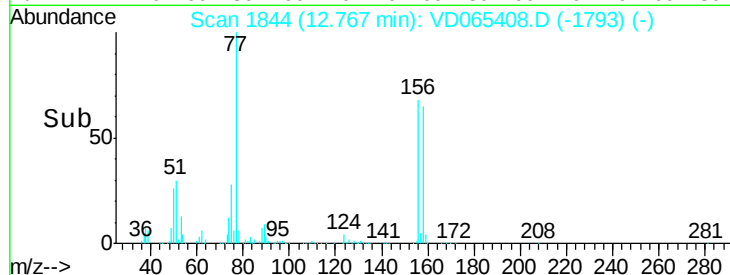
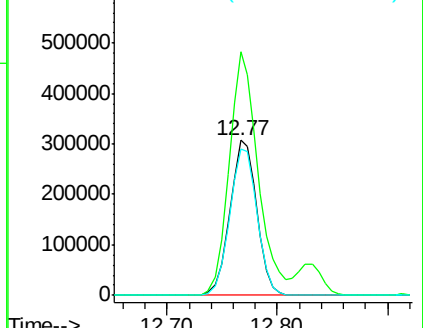
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 102.475 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065408.D

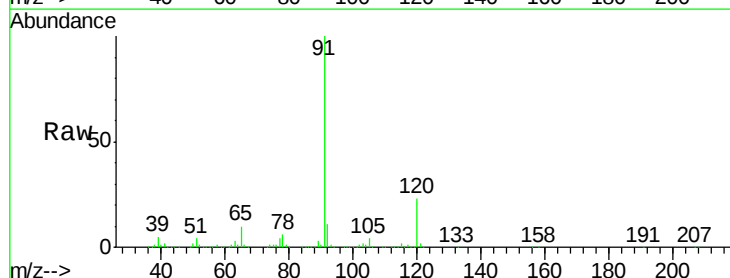
Acq: 04 Mar 2020 12:28

Tgt Ion: 91 Resp: 2588840

Ion Ratio Lower Upper

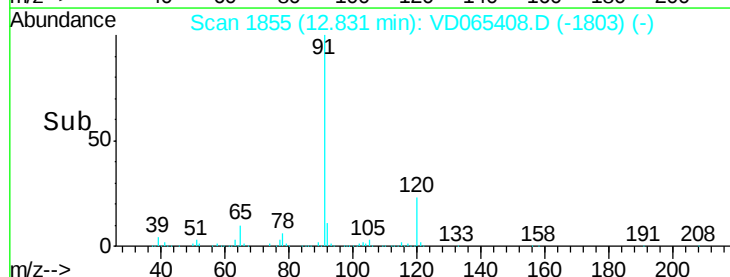
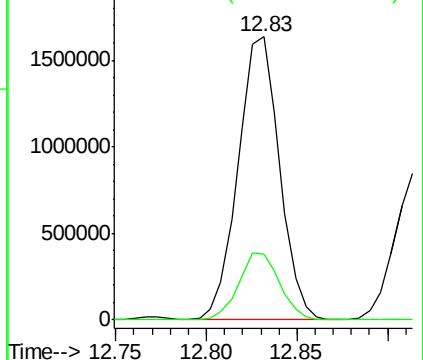
91 100

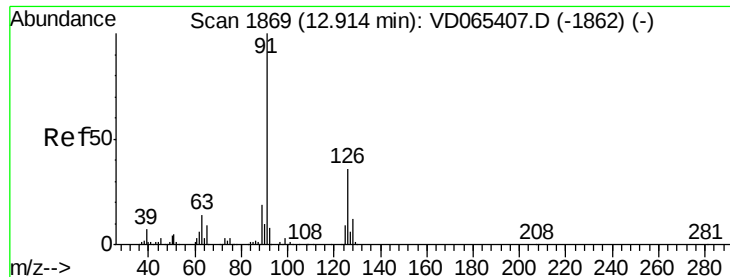
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 99.992 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1421093

Ion Ratio Lower Upper

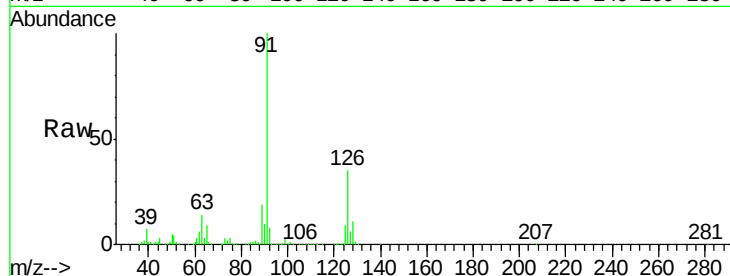
91 100

126 35.2 17.9 53.8

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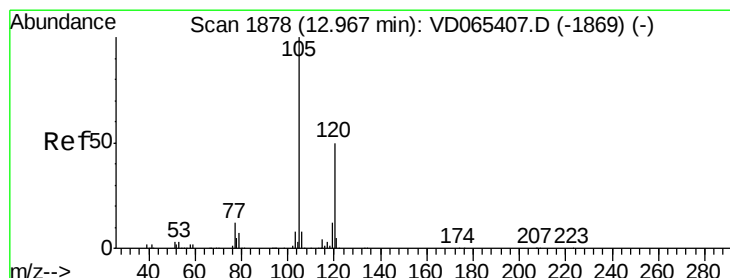
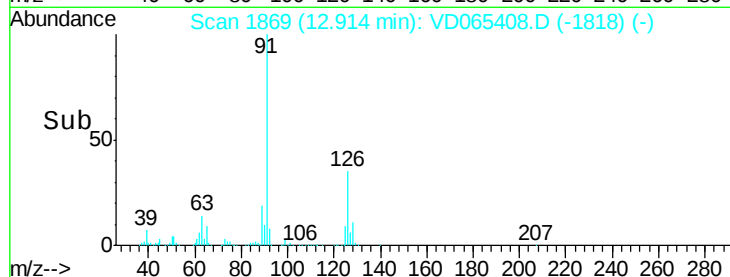
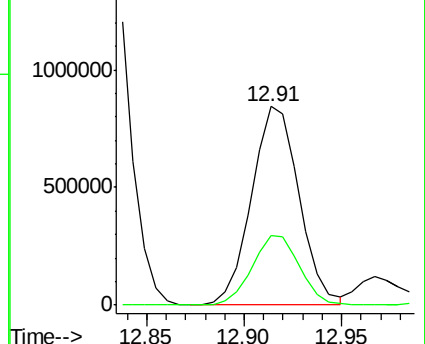
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Abundance Ion 91.00 (90.70 to 91.70): VD065408.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065408.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 102.457 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065408.D

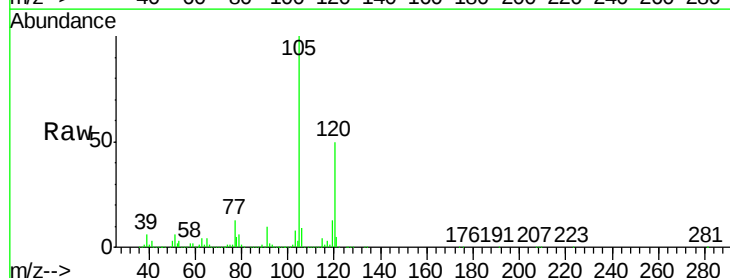
Acq: 04 Mar 2020 12:28

Tgt Ion: 105 Resp: 1790584

Ion Ratio Lower Upper

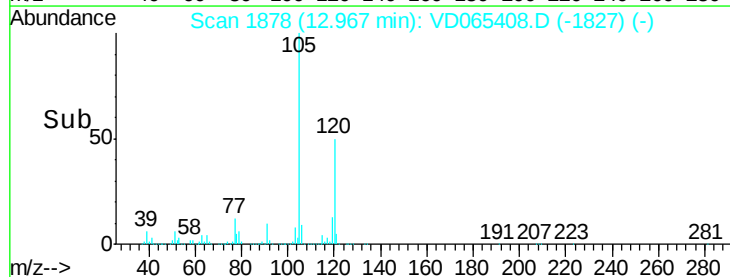
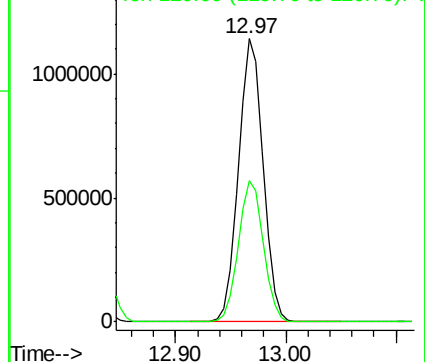
105 100

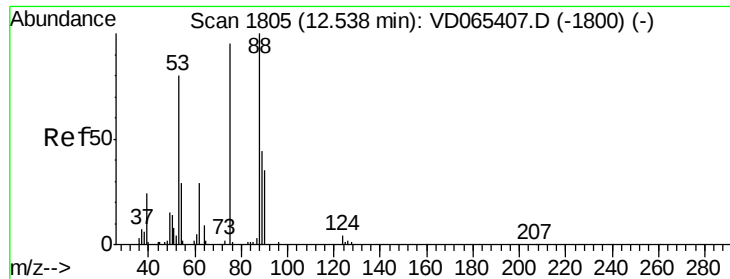
120 50.7 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065408.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD065408.D (-1827) (-)





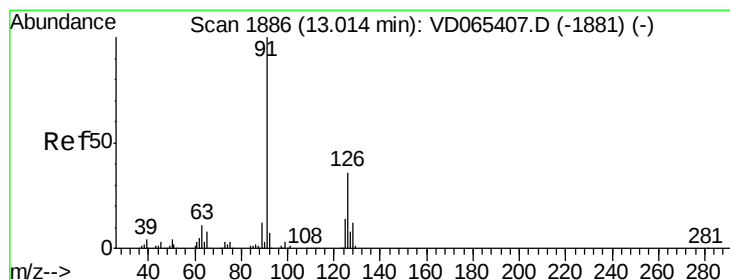
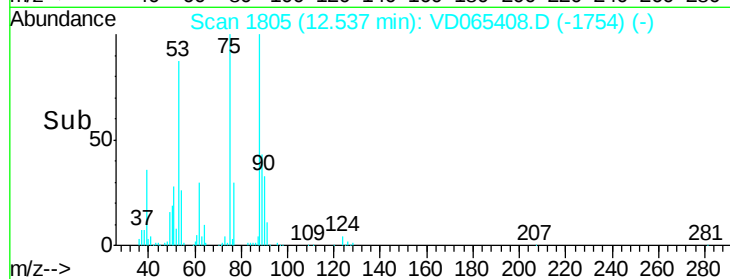
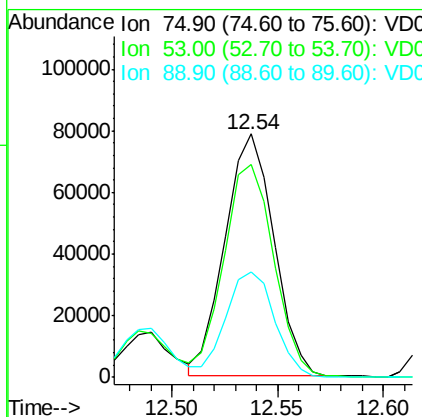
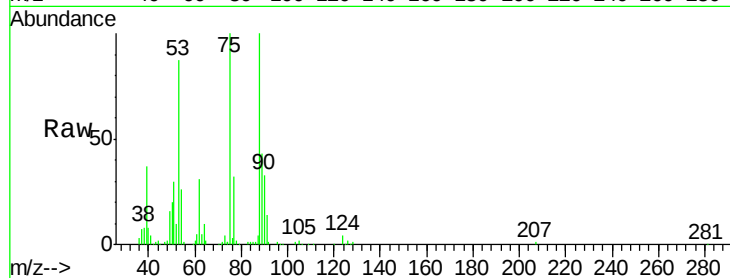
#81  
trans-1,4-Dichloro-2-butene  
Concen: 104.670 ug/l  
RT: 12.54 min Scan# 1805  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Instrument :  
MSVOA\_D  
ClientSampled :  
VSTDICC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 90.2  | 71.3  | 106.9 |
| 89      | 42.8  | 37.0  | 55.6  |

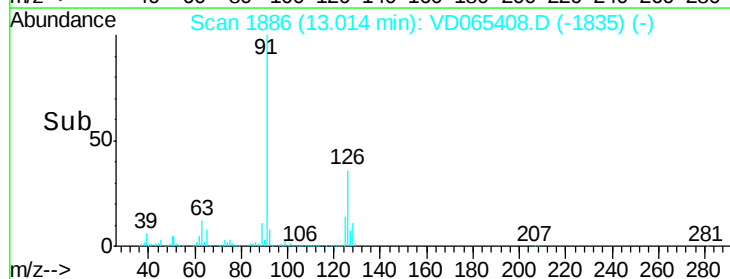
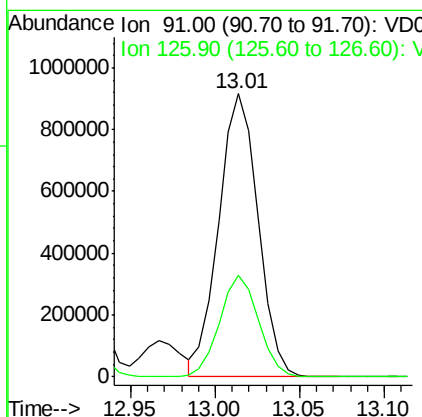
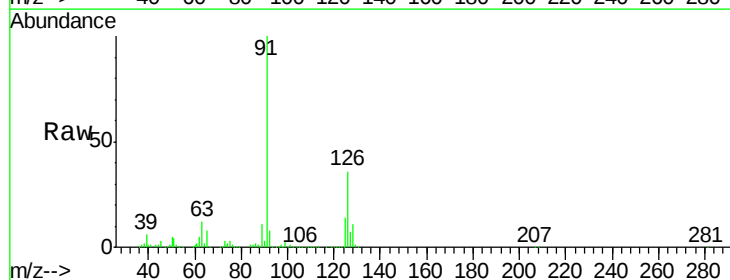
Manual Integrations  
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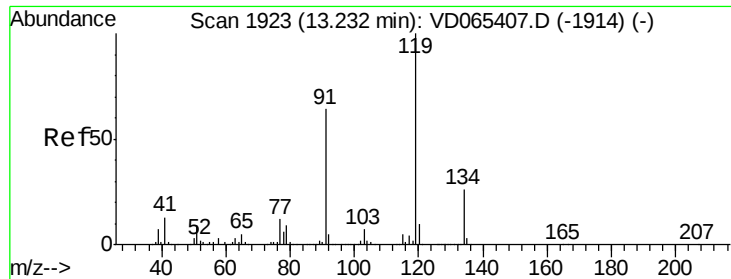
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#82  
4-Chlorotoluene  
Concen: 98.908 ug/l  
RT: 13.01 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.5  | 17.6  | 52.8  |





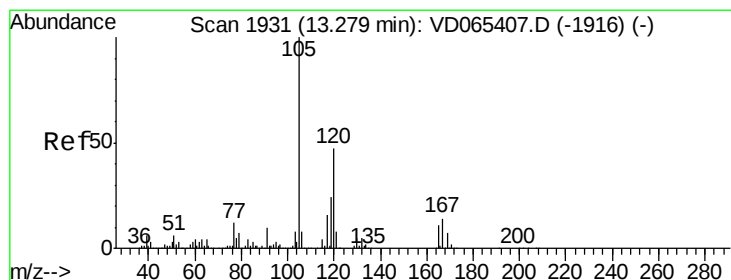
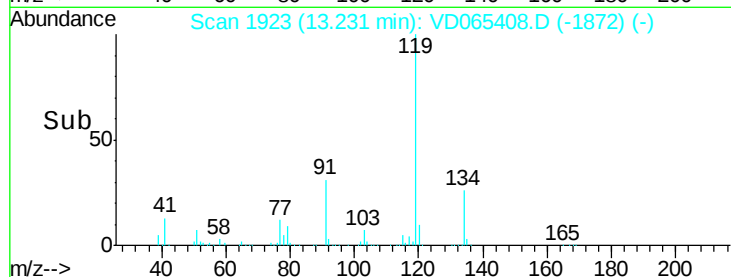
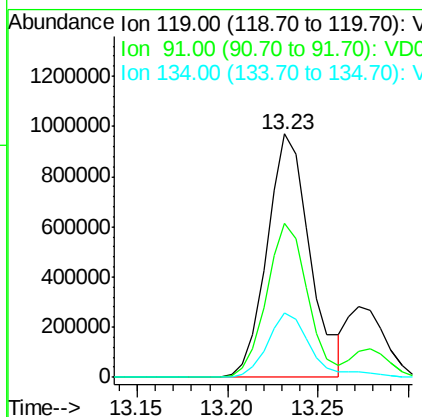
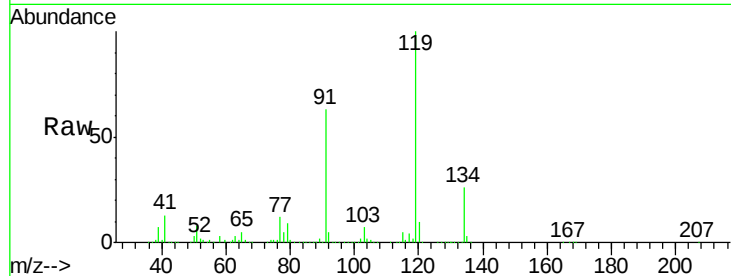
#83  
tert-Butylbenzene  
Concen: 107.925 ug/l  
RT: 13.23 min Scan# 1923  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion:119 Resp: 1592476  
Ion Ratio Lower Upper  
119 100  
91 60.8 31.6 95.0  
134 27.1 14.2 42.8

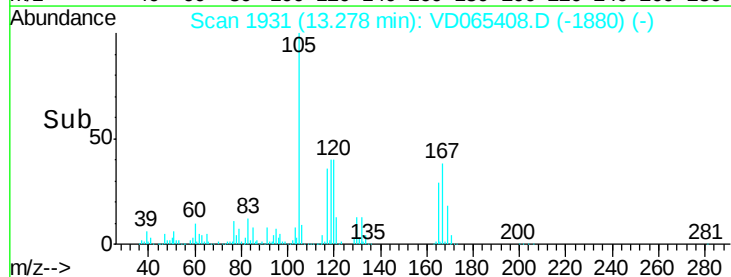
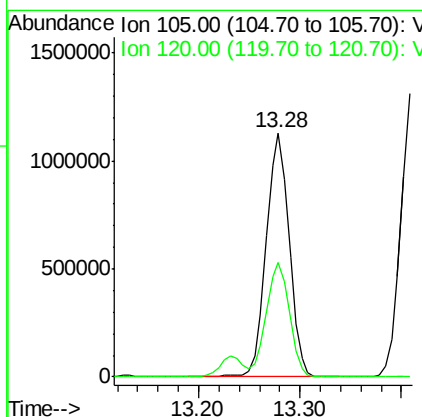
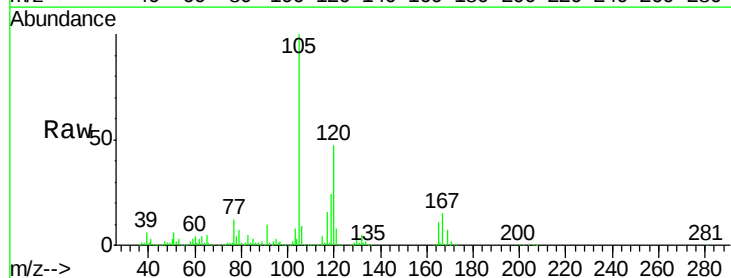
Manual Integrations  
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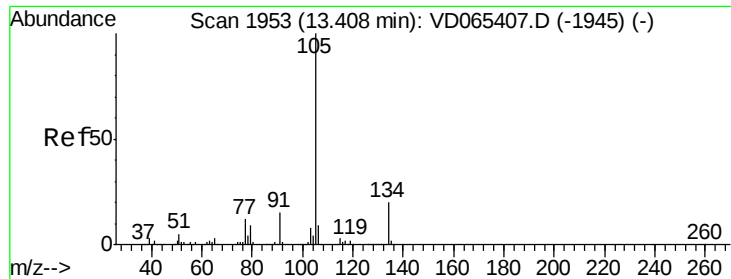
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#84  
1,2,4-Trimethylbenzene  
Concen: 103.057 ug/l  
RT: 13.28 min Scan# 1931  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Tgt Ion:105 Resp: 1777956  
Ion Ratio Lower Upper  
105 100  
120 47.2 23.4 70.3





#85

sec-Butylbenzene

Concen: 103.284 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2175190

Ion Ratio Lower Upper

105 100

134 21.1

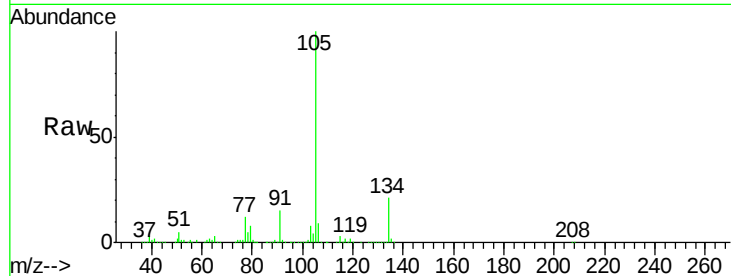
10.3

30.9

Manual Integrations  
APPROVED

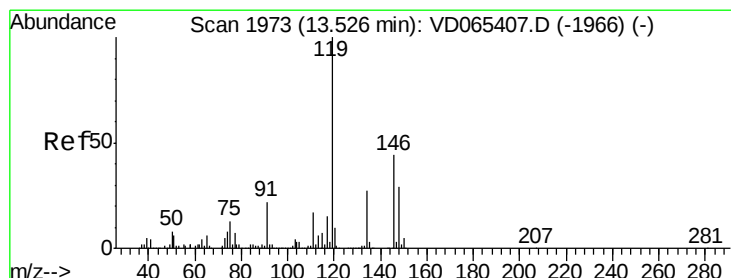
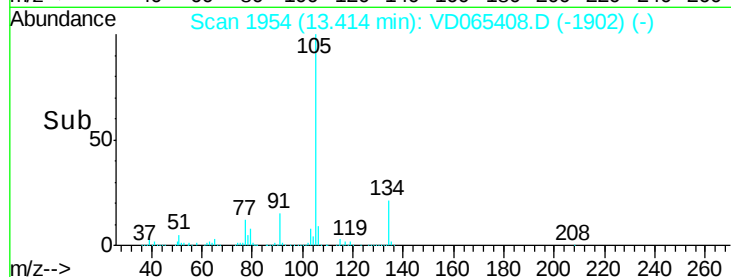
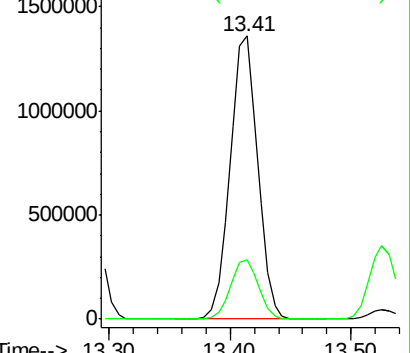
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 105.107 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065408.D

Acq: 04 Mar 2020 12:28

Tgt Ion:119 Resp: 2020652

Ion Ratio Lower Upper

119 100

134 26.8

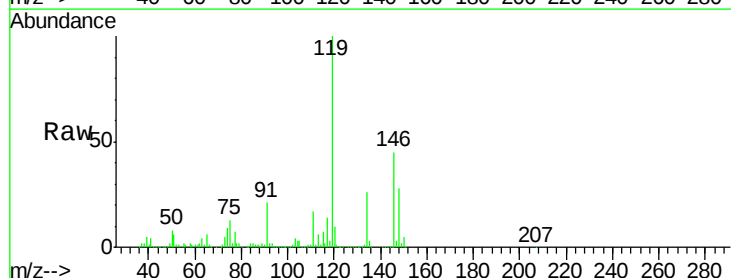
13.3

39.9

91 21.8

10.9

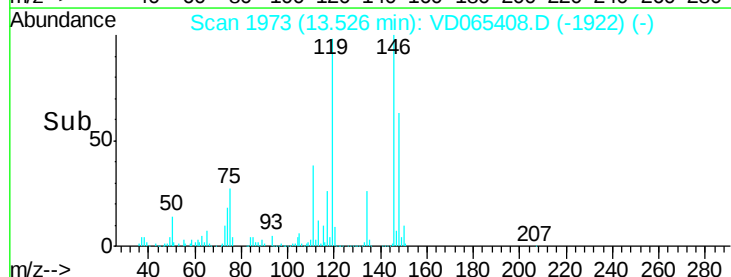
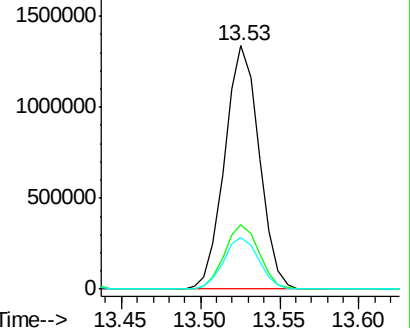
32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





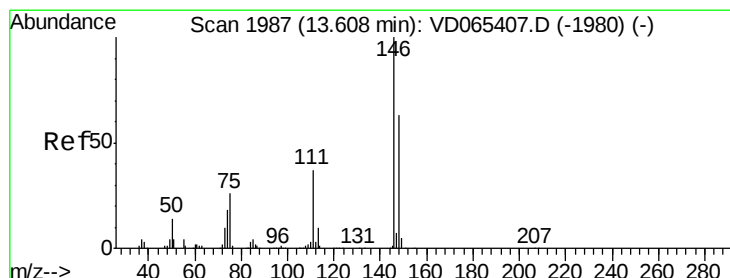
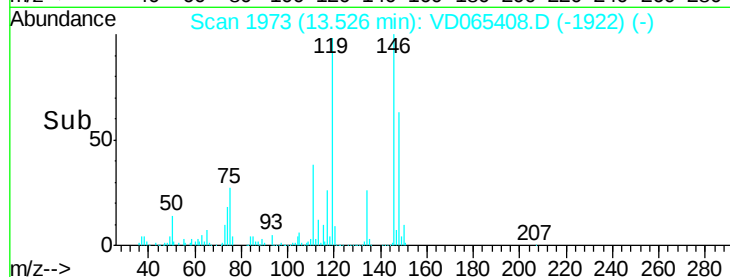
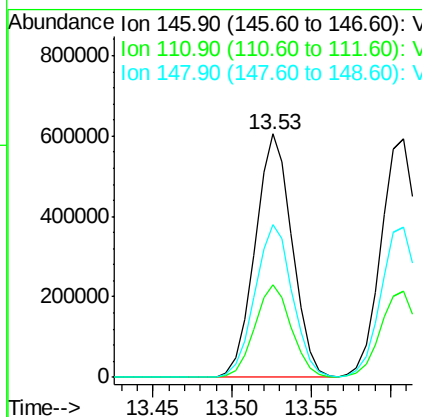
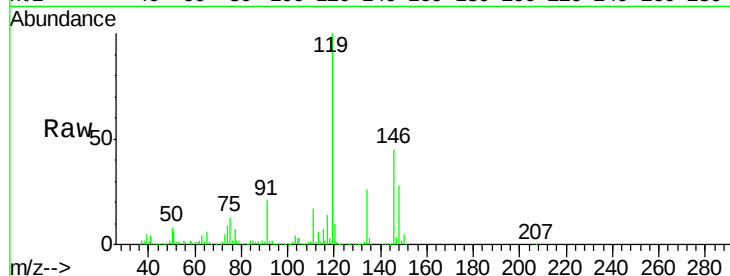
#87  
 1,3-Dichlorobenzene  
 Concen: 96.408 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. -0.00 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.7  | 19.1  | 57.1  |
| 148     | 63.8  | 32.3  | 96.8  |

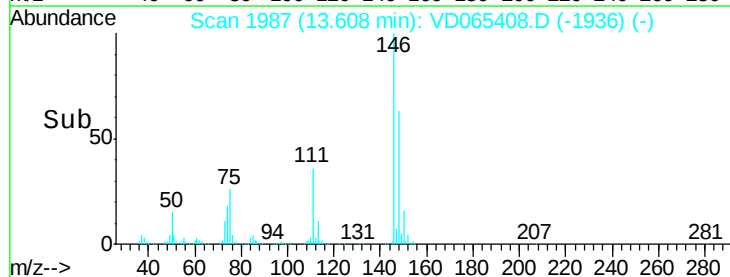
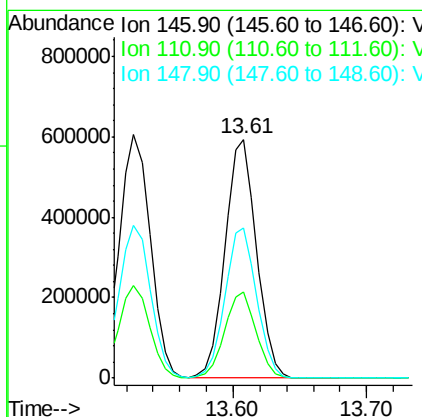
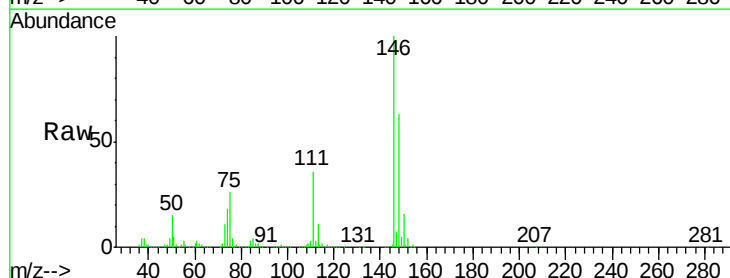
Manual Integrations  
 APPROVED

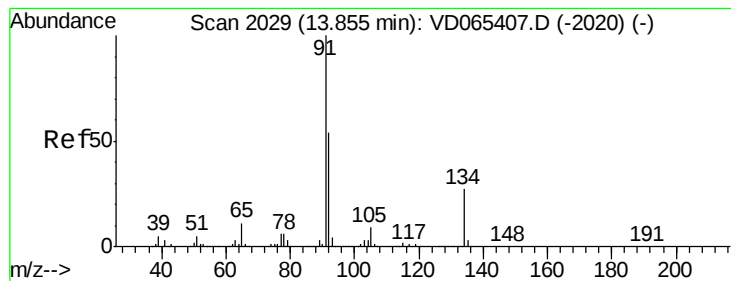
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 96.277 ug/l  
 RT: 13.61 min Scan# 1987  
 Delta R.T. -0.00 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.0  | 18.5  | 55.5  |
| 148     | 63.5  | 32.0  | 96.0  |





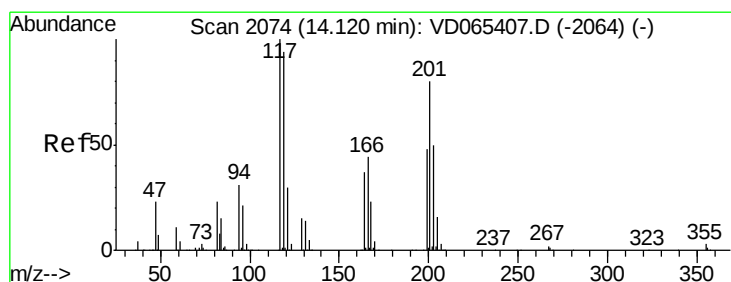
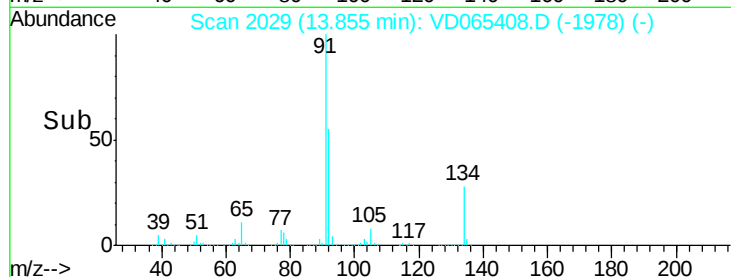
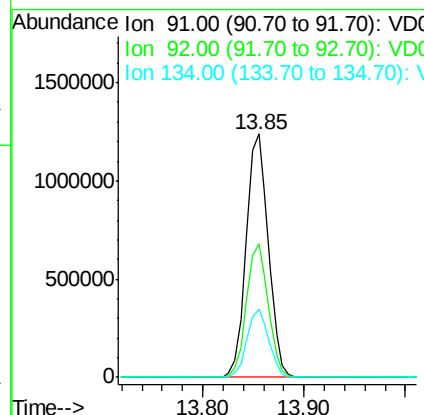
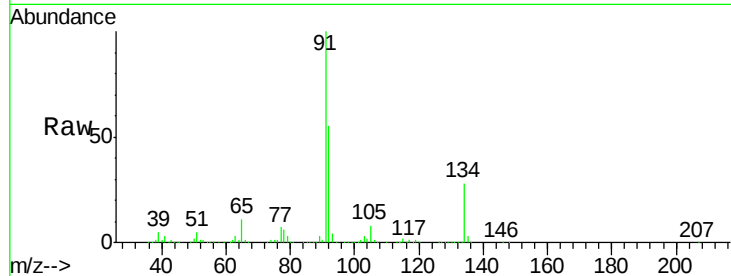
#89  
n-Butylbenzene  
Concen: 105.369 ug/l  
RT: 13.85 min Scan# 2029  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion: 91 Resp: 1869415  
Ion Ratio Lower Upper  
91 100  
92 54.2 26.8 80.4  
134 27.5 13.4 40.2

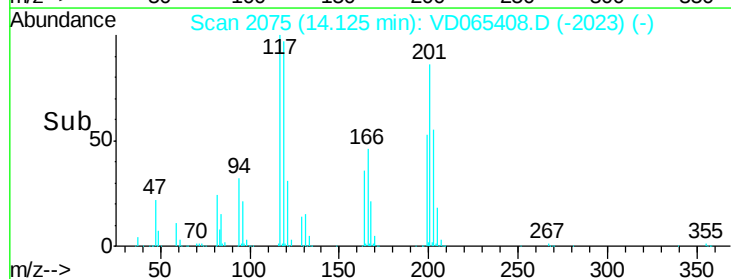
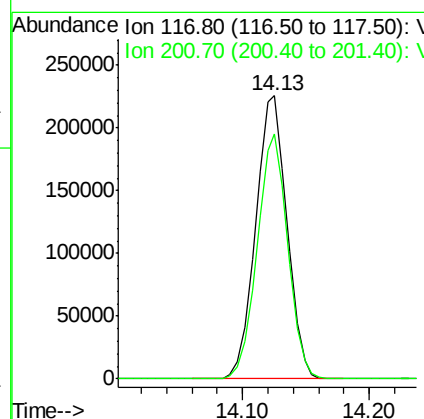
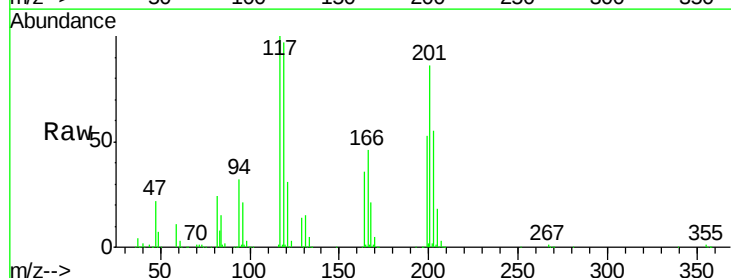
Manual Integrations  
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#90  
Hexachloroethane  
Concen: 97.805 ug/l  
RT: 14.13 min Scan# 2075  
Delta R.T. 0.01 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Tgt Ion: 117 Resp: 388263  
Ion Ratio Lower Upper  
117 100  
201 84.2 41.9 125.6





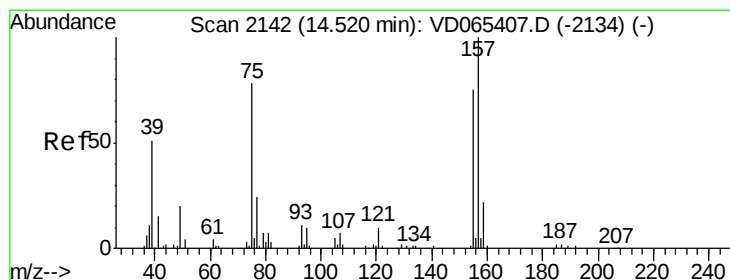
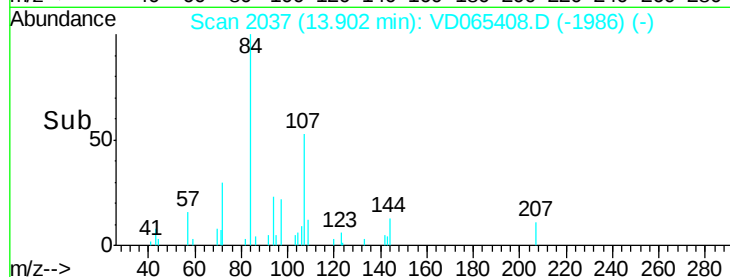
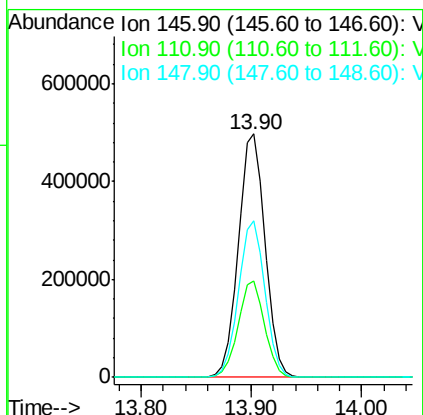
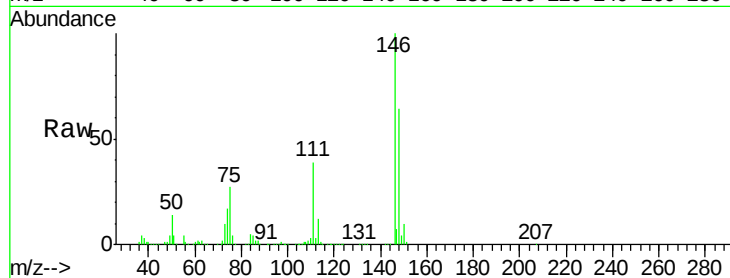
#91  
 1,2-Dichlorobenzene  
 Concen: 96.917 ug/l  
 RT: 13.90 min Scan# 2037  
 Delta R.T. -0.00 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 19.8  | 59.3  |
| 148     | 63.9  | 32.6  | 97.8  |

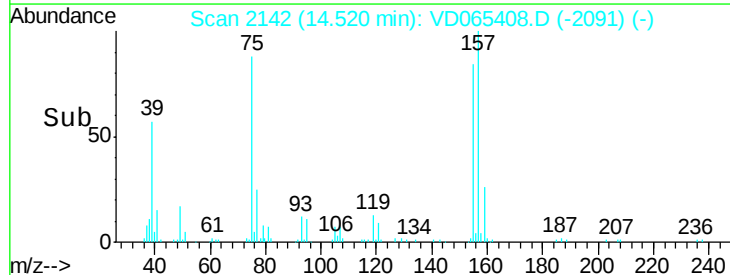
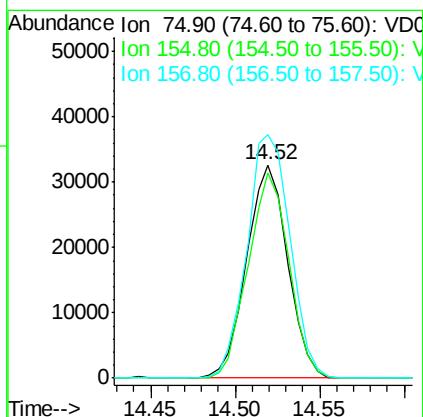
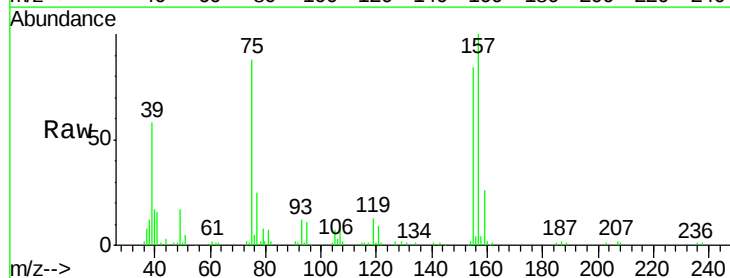
Manual Integrations  
 APPROVED

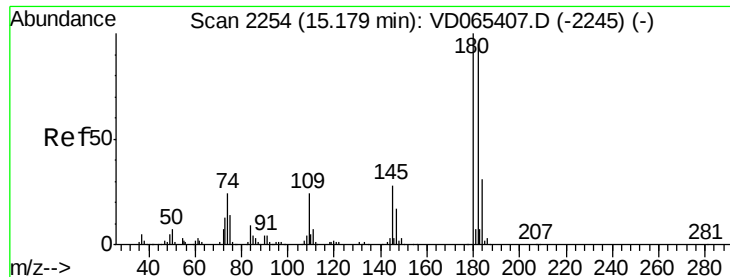
MMDadoda  
 3/5/2020 1:38:33 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 95.379 ug/l  
 RT: 14.52 min Scan# 2142  
 Delta R.T. -0.00 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 95.5  | 46.4  | 139.1 |
| 157     | 120.3 | 60.2  | 180.4 |





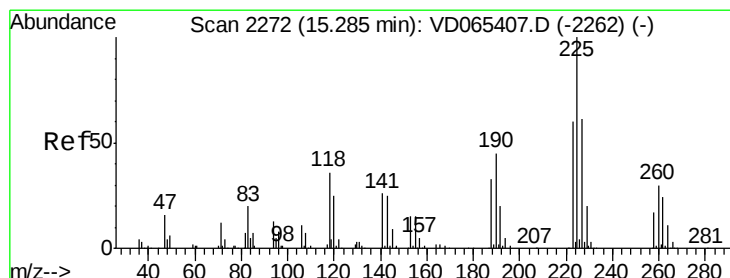
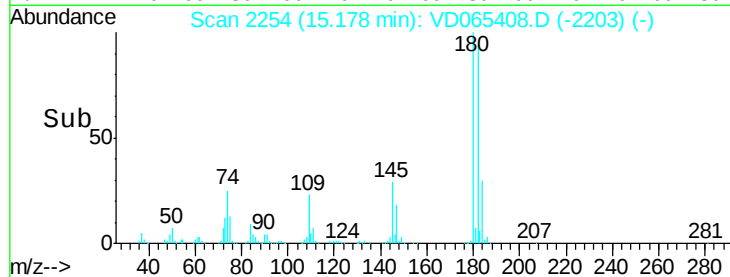
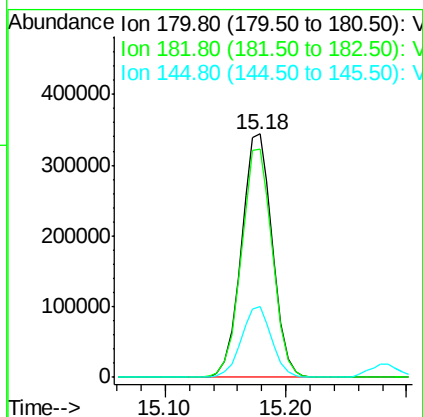
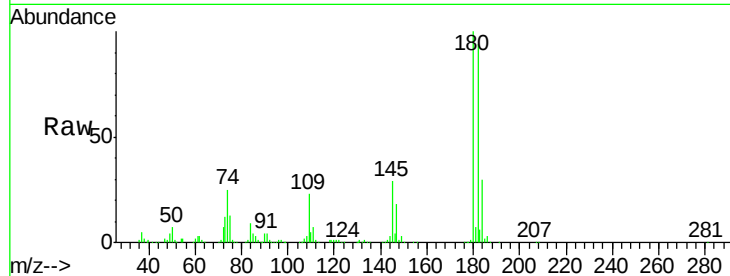
#93  
 1,2,4-Trichlorobenzene  
 Concen: 104.276 ug/l  
 RT: 15.18 min Scan# 2254  
 Delta R.T. -0.00 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 611303 |       |       |
| 182     | 94.1  | 48.3   | 144.9 |       |
| 145     | 28.5  | 14.4   | 43.4  |       |

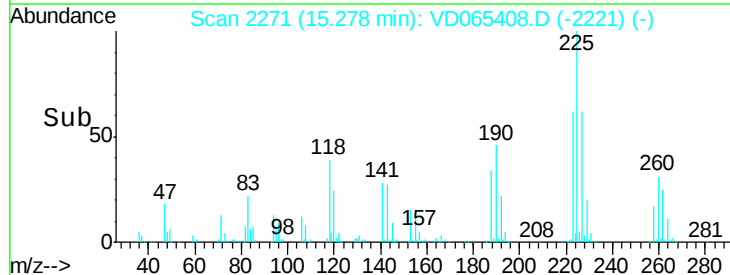
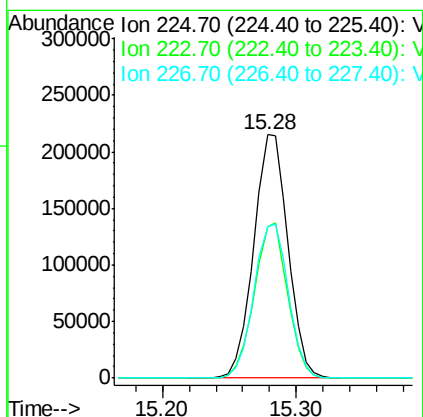
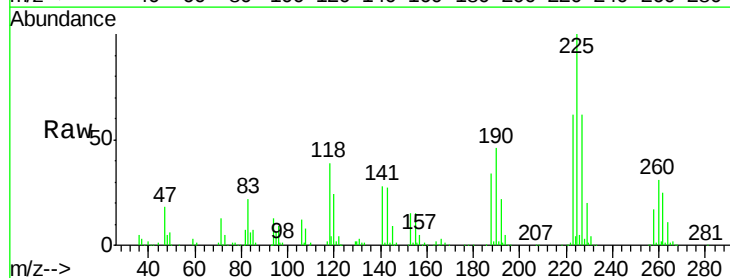
Manual Integrations  
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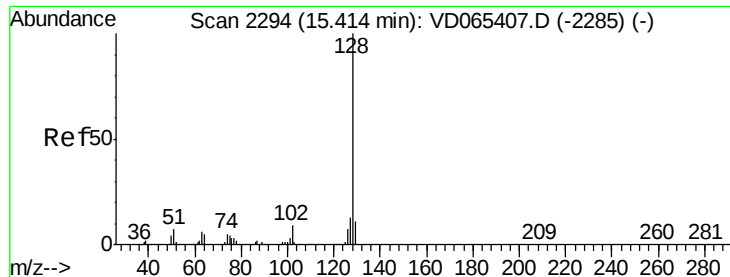
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 3/5/2020 1:38:33 PM



#94  
 Hexachlorobutadiene  
 Concen: 99.143 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. -0.01 min  
 Lab File: VD065408.D  
 Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 380194 |       |       |
| 223     | 62.1  | 30.9   | 92.5  |       |
| 227     | 63.7  | 31.6   | 94.7  |       |





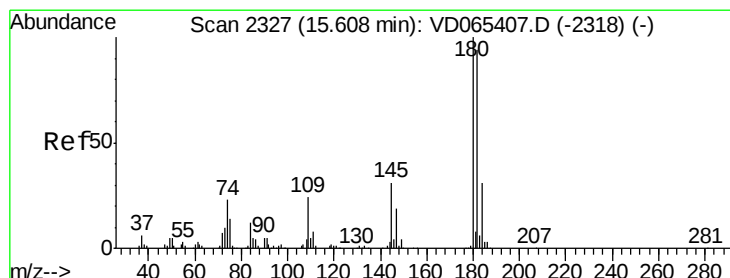
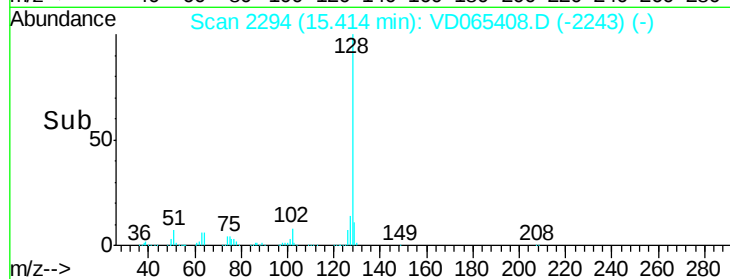
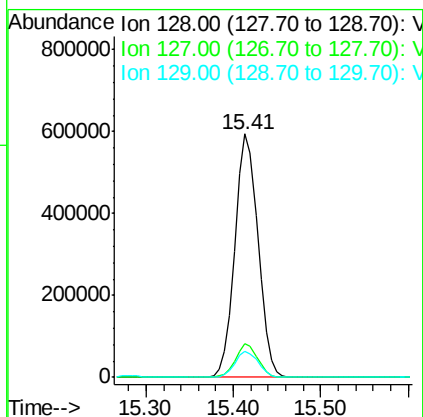
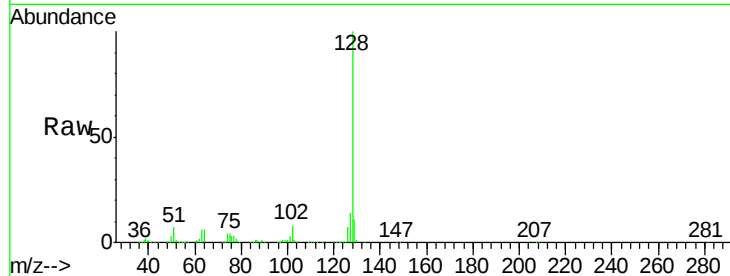
#95  
Naphthalene  
Concen: 111.979 ug/l  
RT: 15.41 min Scan# 2294  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.6  | 16.0  |
| 129     | 10.9  | 8.7   | 13.1  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 103.636 ug/l  
RT: 15.61 min Scan# 2327  
Delta R.T. -0.00 min  
Lab File: VD065408.D  
Acq: 04 Mar 2020 12:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.9  | 46.9  | 140.6 |
| 145     | 30.1  | 15.0  | 45.1  |

