

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032620\  
 Data File : VD065530.D  
 Acq On : 26 Mar 2020 17:30  
 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  
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apatel  
 3/27/2020 10:12:25 AM

Quant Time: Mar 27 01:29:44 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032620S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 01:12:04 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 553840   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 783701   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 724453   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 362948   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.34   | 65  | 442478   | 93.80  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 187.60% |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 478970   | 99.38  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 198.76% |      |
| 50) Toluene-d8            | 10.34  | 98  | 1871817  | 101.53 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 203.06% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 604344   | 105.82 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 211.64% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 290995  | 64.593  | ug/l | 99     |
| 3) Chloromethane              | 2.21 | 50  | 414758  | 74.508  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.35 | 62  | 463752  | 84.174  | ug/l | 99     |
| 5) Bromomethane               | 2.76 | 94  | 318274  | 88.528  | ug/l | 96     |
| 6) Chloroethane               | 2.92 | 64  | 302351  | 88.797  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 698106  | 85.405  | ug/l | 99     |
| 8) Diethyl Ether              | 3.71 | 74  | 232776  | 94.559  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 462527  | 87.236  | ug/l | 99     |
| 10) Methyl Iodide             | 4.30 | 142 | 638238  | 114.538 | ug/l | 98     |
| 11) Tert butyl alcohol        | 5.24 | 59  | 122693  | 453.299 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 454688  | 89.829  | ug/l | 98     |
| 13) Acrolein                  | 3.93 | 56  | 224112  | 472.352 | ug/l | 98     |
| 14) Allyl chloride            | 4.71 | 41  | 729758  | 94.145  | ug/l | 98     |
| 15) Acrylonitrile             | 5.43 | 53  | 511943  | 480.862 | ug/l | 99     |
| 16) Acetone                   | 4.17 | 43  | 402592  | 424.629 | ug/l | 97     |
| 17) Carbon Disulfide          | 4.40 | 76  | 1467193 | 87.369  | ug/l | 99     |
| 18) Methyl Acetate            | 4.73 | 43  | 223469  | 92.629  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 1023542 | 104.333 | ug/l | 97     |
| 20) Methylene Chloride        | 4.96 | 84  | 507354  | 85.847  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 530611  | 94.042  | ug/l | 96     |
| 22) Diisopropyl ether         | 6.37 | 45  | 1455921 | 100.200 | ug/l | 98     |
| 23) Vinyl Acetate             | 6.31 | 43  | 4250930 | 527.746 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 863493  | 93.001  | ug/l | 99     |
| 25) 2-Butanone                | 7.22 | 43  | 615133  | 475.507 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 751142  | 92.054  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 570501  | 98.740  | ug/l | 99     |
| 28) Bromochloromethane        | 7.55 | 49  | 366023  | 97.493  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 410824  | 497.396 | ug/l | 99     |
| 30) Chloroform                | 7.71 | 83  | 890790  | 95.585  | ug/l | 97     |
| 31) Cyclohexane               | 7.98 | 56  | 811205  | 87.728  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.91 | 97  | 794129  | 92.356  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 711484  | 96.127  | ug/l | 100    |
| 37) Ethyl Acetate             | 7.30 | 43  | 293007  | 101.795 | ug/l | 98     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 735976  | 95.583  | ug/l | 97     |

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 ClientSampleID :  
 VSTDICC100

Manual Integrations  
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Quant Time: Mar 27 01:29:44 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032620S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 01:12:04 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 908573   | 102.088  | ug/l   | 99       |
| 40) Benzene                    | 8.36  | 78   | 2030341  | 97.917   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.53  | 41   | 185416   | 118.947  | ug/l   | 90       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 534487   | 98.077   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.46  | 43   | 539561   | 101.814  | ug/l   | 99       |
| 44) Trichloroethene            | 9.11  | 130  | 580461   | 98.875   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 496355   | 98.637   | ug/l   | 94       |
| 46) Dibromomethane             | 9.48  | 93   | 263667   | 100.867  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.67  | 83   | 686103   | 100.857  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.46  | 41   | 261655   | 104.577  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 62748    | 2084.895 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 1393987  | 520.996  | ug/l   | 99       |
| 52) Toluene                    | 10.41 | 92   | 1331968  | 101.782  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 671163   | 105.468  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.10 | 75   | 812348   | 105.559  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 373146   | 100.228  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 476816   | 113.756  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 638833   | 101.526  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.95  | 63   | 1194511  | 779.748  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.99 | 43   | 966095   | 523.066  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.14 | 129  | 495317   | 103.588  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 367385   | 103.071  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.88 | 164  | 506529   | 98.178   | ug/l   | 97       |
| 65) Chlorobenzene              | 11.67 | 112  | 1400758  | 98.444   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 528442   | 101.397  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.75 | 91   | 2499479  | 102.033  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.86 | 106  | 1961182  | 207.442  | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 894230   | 107.473  | ug/l   | 99       |
| 70) Styrene                    | 12.20 | 104  | 1556900  | 105.956  | ug/l   | 100      |
| 71) Bromoform                  | 12.37 | 173  | 298179   | 101.630  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.48 | 105  | 2385990  | 102.023  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.30 | 43   | 501367   | 104.594  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 384308   | 93.011   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 266320m  | 92.287   | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 594404   | 101.263  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.83 | 91   | 2812894  | 101.011  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 1559099  | 99.132   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 1969087  | 102.329  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 134876   | 100.764  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 1623503  | 98.320   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 1680886  | 103.022  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.28 | 105  | 1957195  | 102.922  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 2361826  | 101.822  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 2195518  | 103.605  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 1113437  | 98.626   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.61 | 146  | 1093486  | 97.297   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.85 | 91   | 1979304  | 101.461  | ug/l   | 98       |
| 90) Hexachloroethane           | 14.12 | 117  | 423019   | 96.854   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 957566   | 99.661   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 60256    | 95.423   | ug/l   | 95       |

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

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Fri Mar 27 01:12:04 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 701069   | 107.471 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 432281   | 101.492 | ug/l  | 99       |
| 95) Naphthalene            | 15.41 | 128  | 1173188  | 112.840 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 612456   | 108.679 | ug/l  | 98       |

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

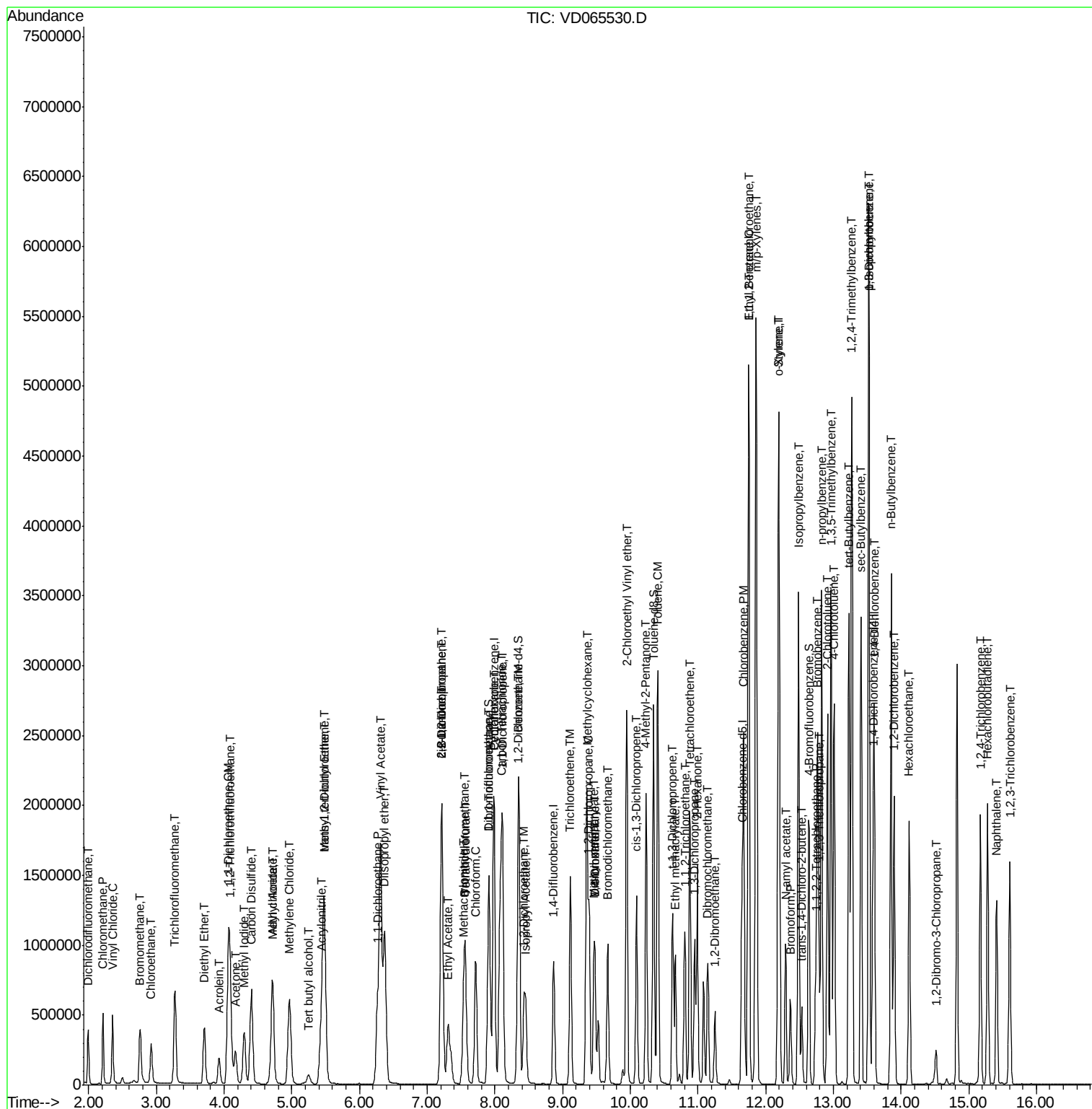
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Data File : VD065530.D  
Acq On : 26 Mar 2020 17:30  
Operator : VA/SY  
Sample : VSTDICC100  
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ALS Vial : 7 Sample Multiplier: 1

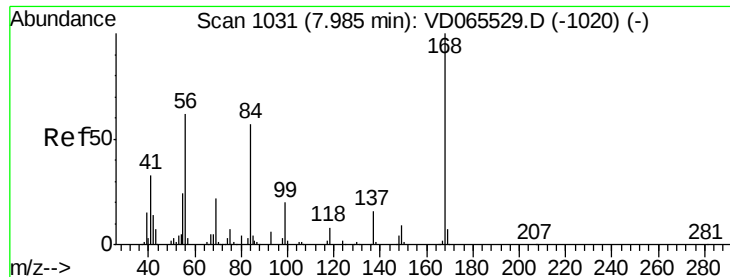
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

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3/27/2020 10:12:25 AM

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 553840

Ion Ratio Lower Upper

168 100

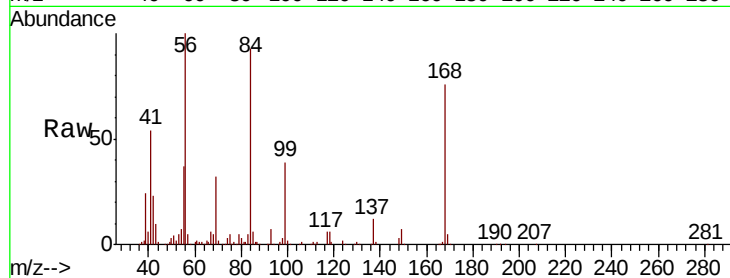
99 51.7 39.1 58.7

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

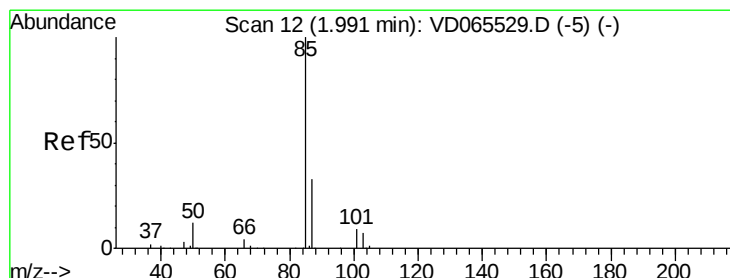
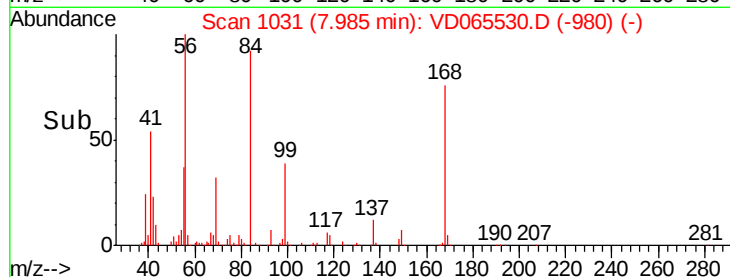
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 64.593 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065530.D

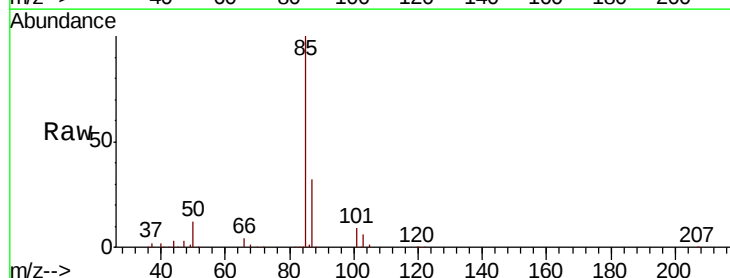
Acq: 26 Mar 2020 17:30

Tgt Ion: 85 Resp: 290995

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

250000

200000

150000

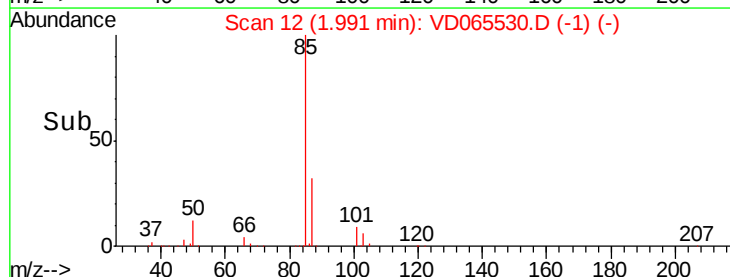
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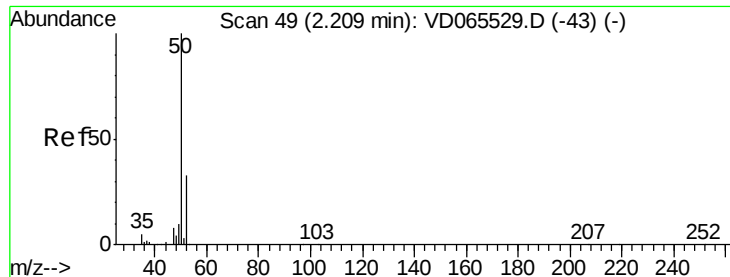
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0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 74.508 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 414758

Ion Ratio Lower Upper

50 100

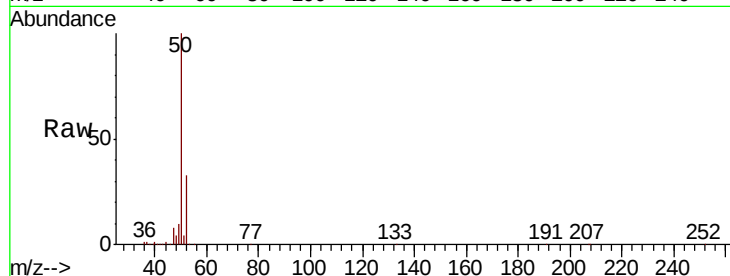
52 33.4 26.3 39.5

Manual Integrations

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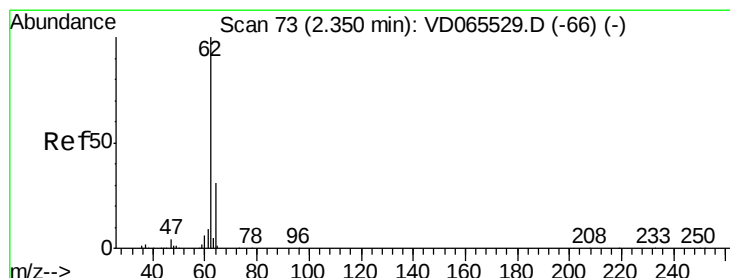
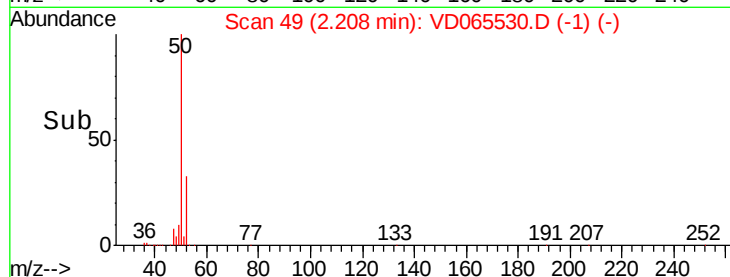
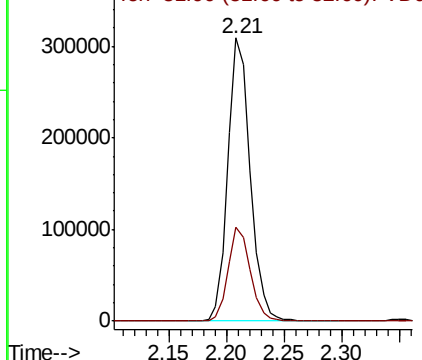
apatel

3/27/2020 10:12:25 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 84.174 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065530.D

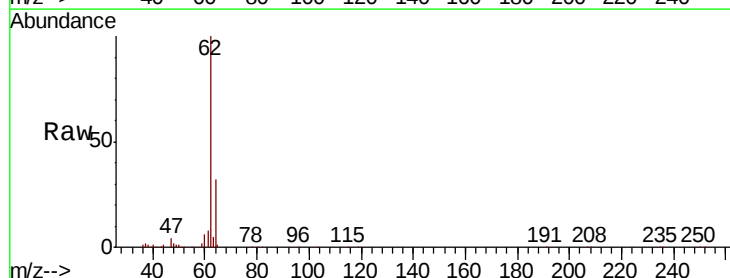
Acq: 26 Mar 2020 17:30

Tgt Ion: 62 Resp: 463752

Ion Ratio Lower Upper

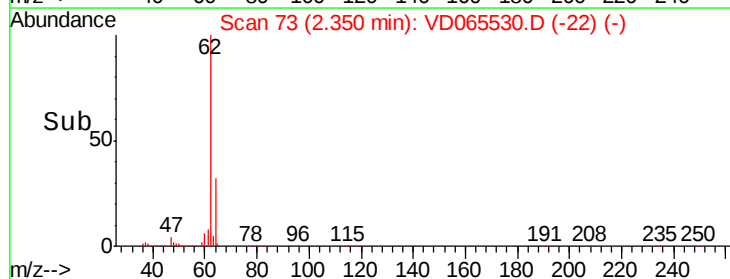
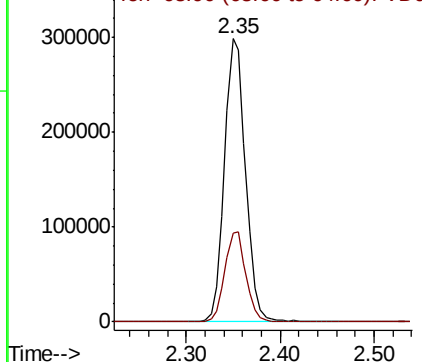
62 100

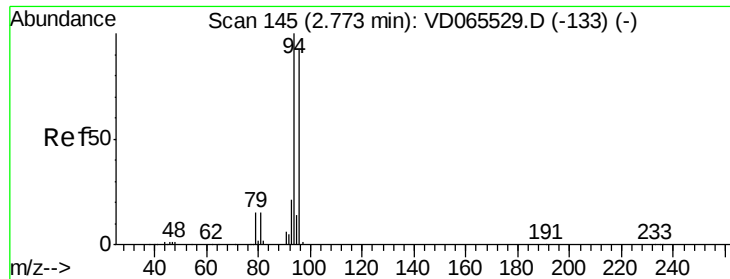
64 31.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 88.528 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 318274

Ion Ratio Lower Upper

94 100

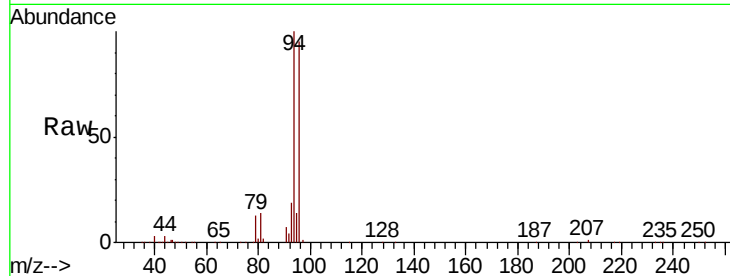
96 95.4 73.4 110.2

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

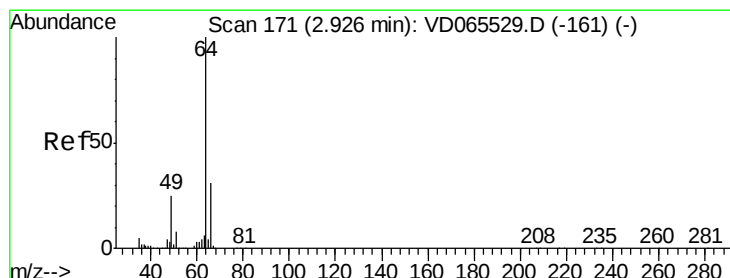
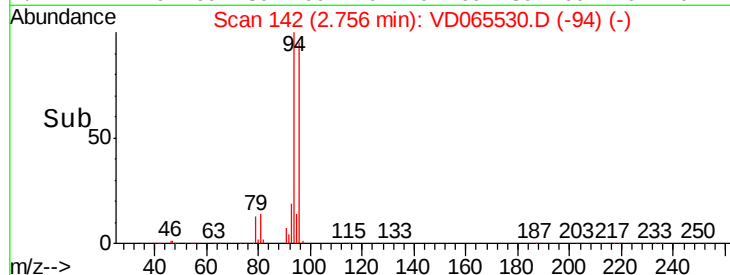
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100000

50000

0

Time-->



#6

Chloroethane

Concen: 88.797 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065530.D

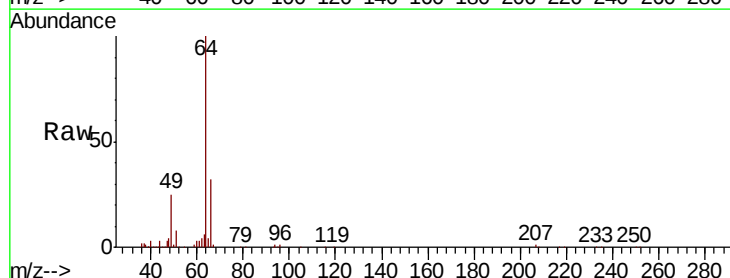
Acq: 26 Mar 2020 17:30

Tgt Ion: 64 Resp: 302351

Ion Ratio Lower Upper

64 100

66 31.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

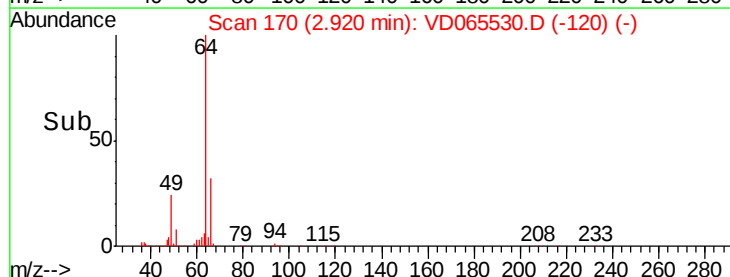
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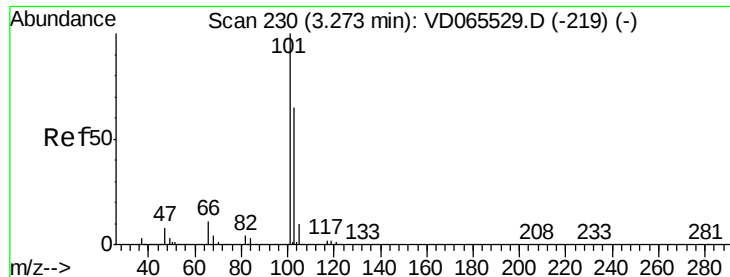
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50000

0

Time-->





#7

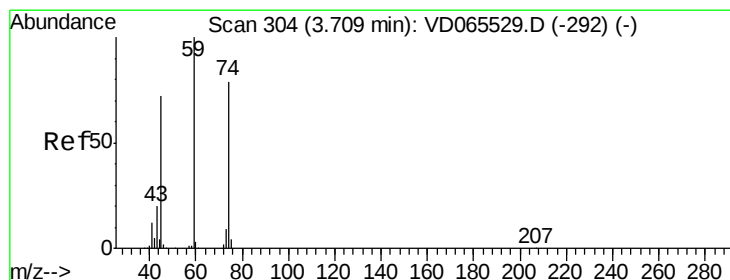
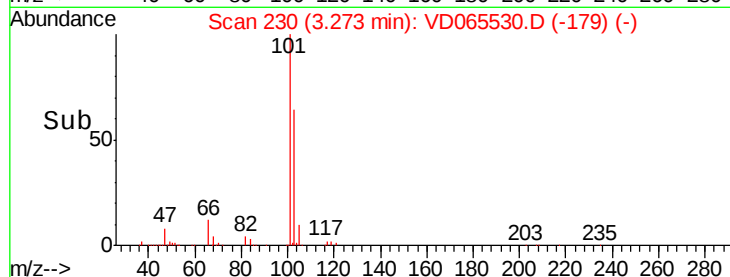
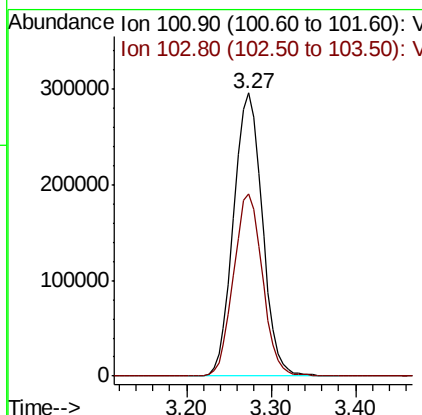
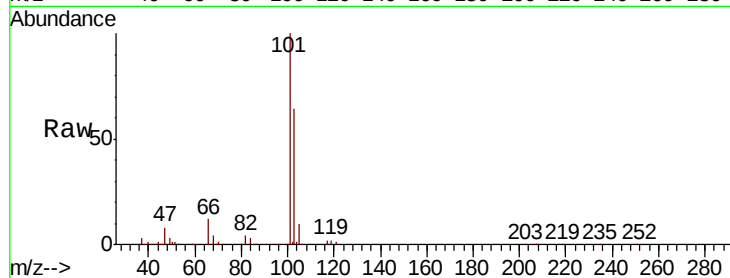
Trichlorofluoromethane  
 Concen: 85.405 ug/l  
 RT: 3.27 min Scan# 230  
 Delta R.T. -0.00 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.2  | 51.9  | 77.9  |

Manual Integrations  
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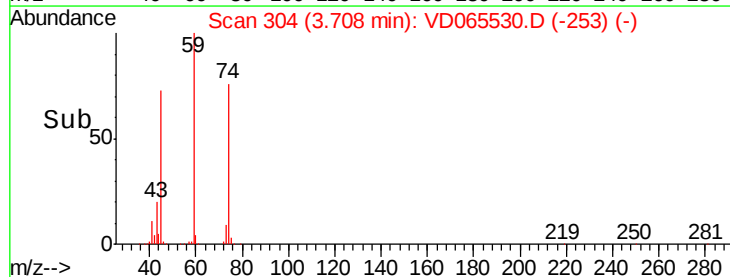
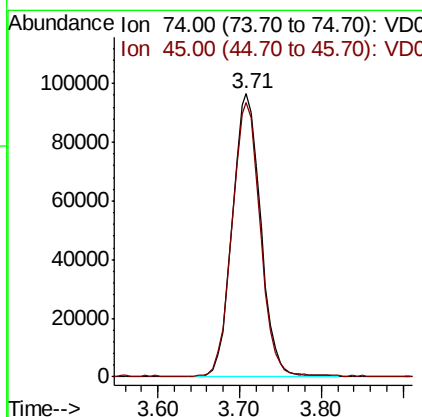
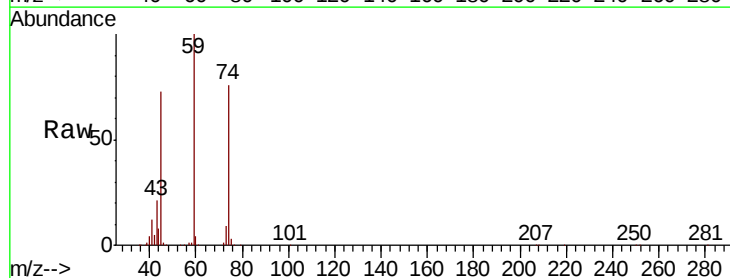
apatel  
 3/27/2020 10:12:25 AM

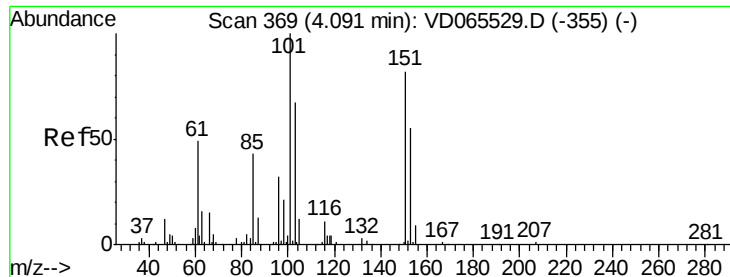


#8

Diethyl Ether  
 Concen: 94.559 ug/l  
 RT: 3.71 min Scan# 304  
 Delta R.T. -0.00 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 95.6  | 48.2  | 144.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 87.236 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

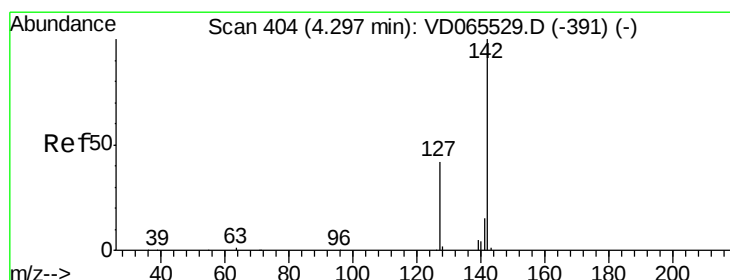
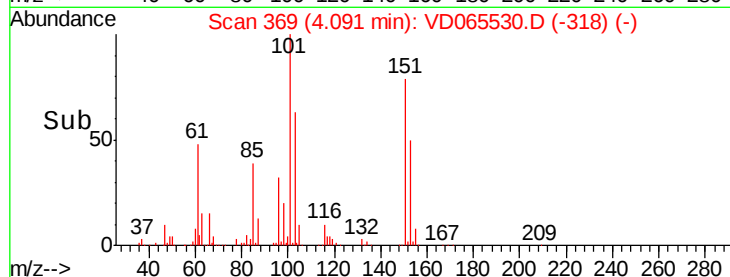
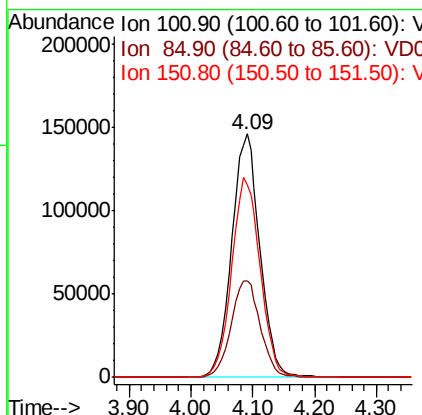
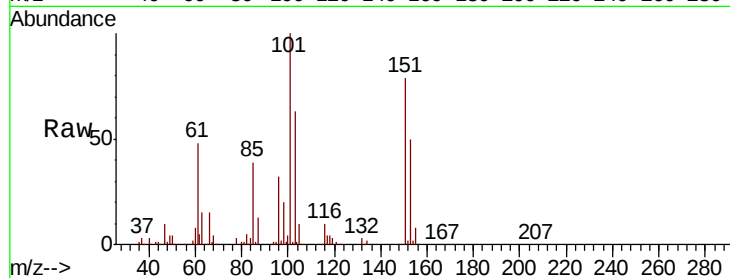
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 462527 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.2  | 32.6  | 48.8   |
| 151       | 82.8  | 65.5  | 98.3   |

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#10

Methyl Iodide

Concen: 114.538 ug/l

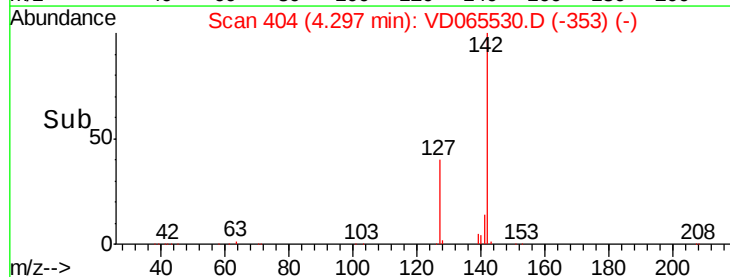
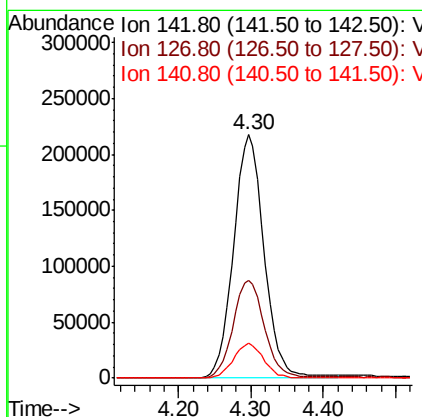
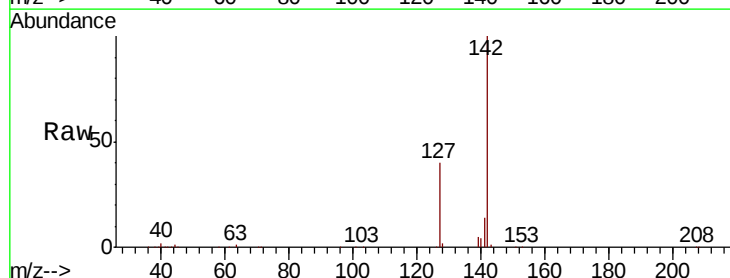
RT: 4.30 min Scan# 404

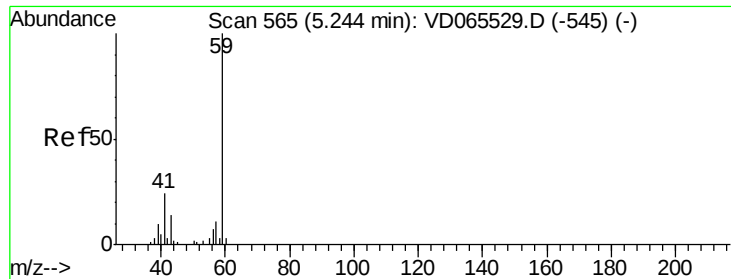
Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 638238 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 40.9  | 33.9  | 50.9   |
| 141       | 14.1  | 11.6  | 17.4   |





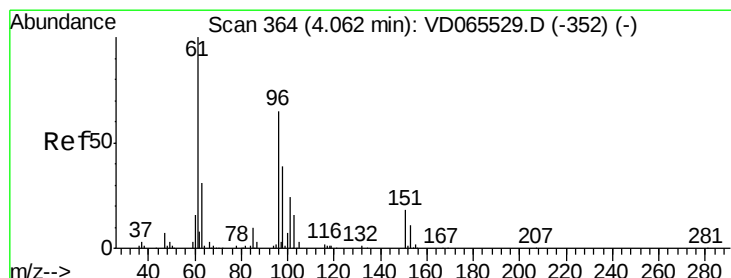
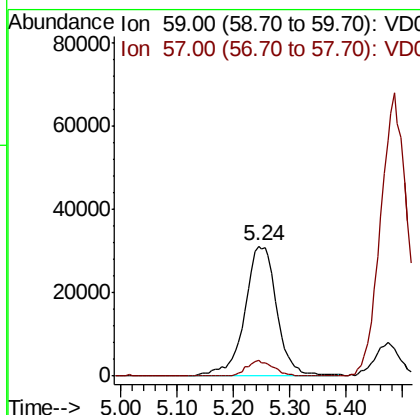
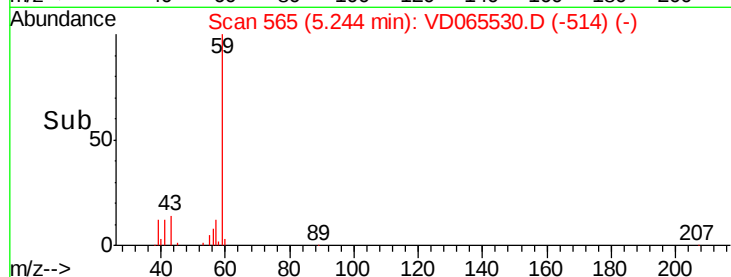
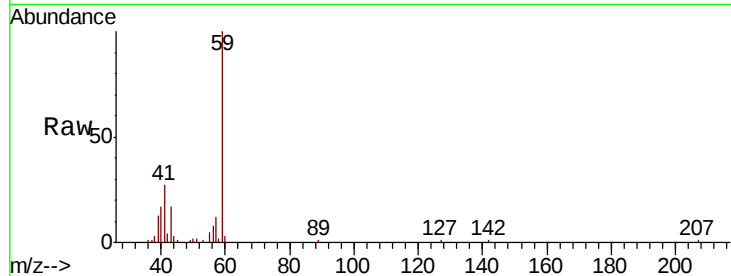
#11  
Tert butyl alcohol  
Concen: 453.299 ug/l  
RT: 5.24 min Scan# 565  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion: 59 Resp: 122693  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.1 12.1

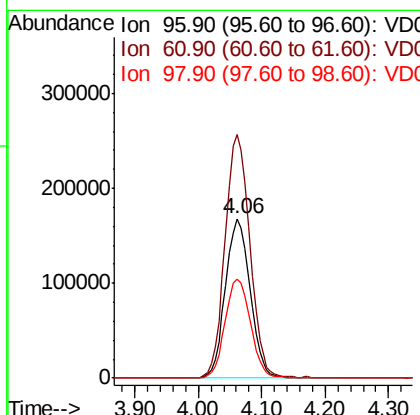
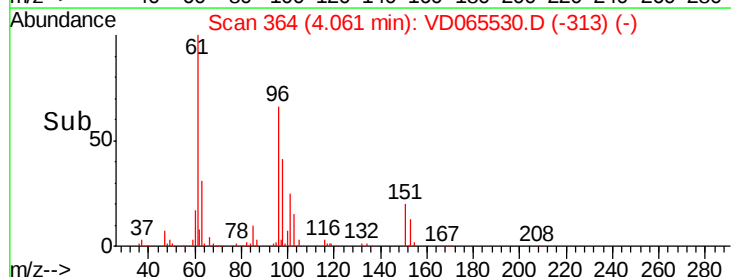
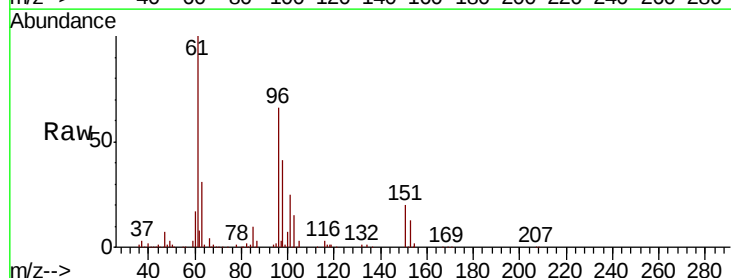
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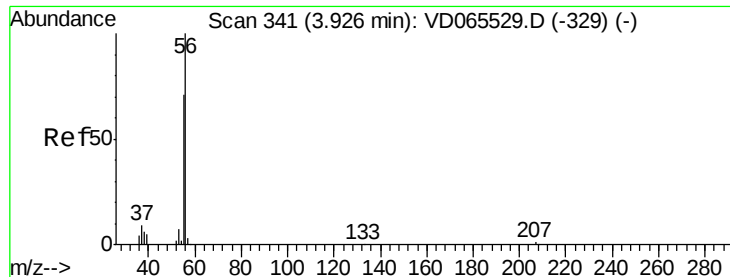
apatel  
3/27/2020 10:12:25 AM



#12  
1,1-Dichloroethene  
Concen: 89.829 ug/l  
RT: 4.06 min Scan# 364  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Tgt Ion: 96 Resp: 454688  
Ion Ratio Lower Upper  
96 100  
61 152.5 124.0 186.0  
98 62.3 48.2 72.4





#13

Acrolein

Concen: 472.352 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 224112

Ion Ratio Lower Upper

56 100

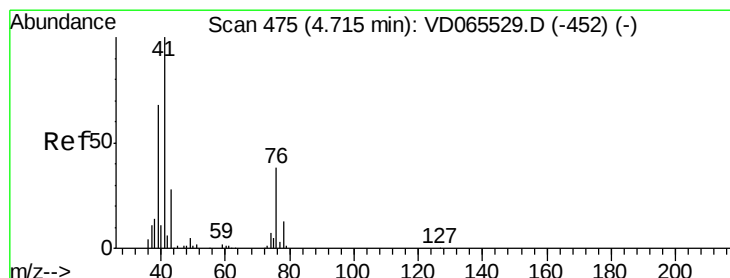
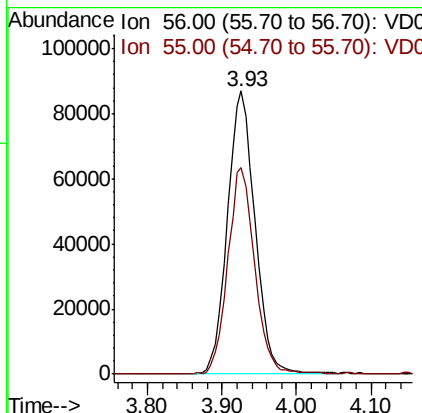
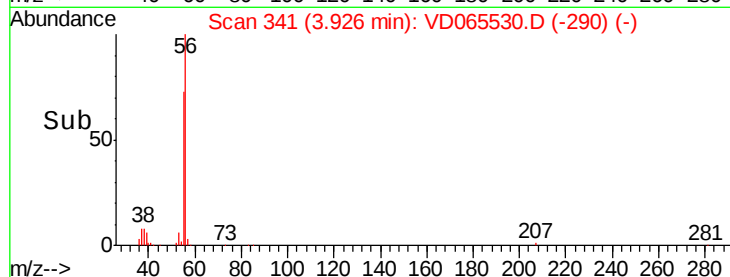
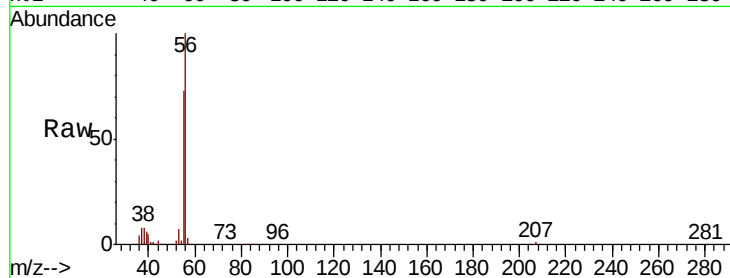
55 71.5 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 94.145 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

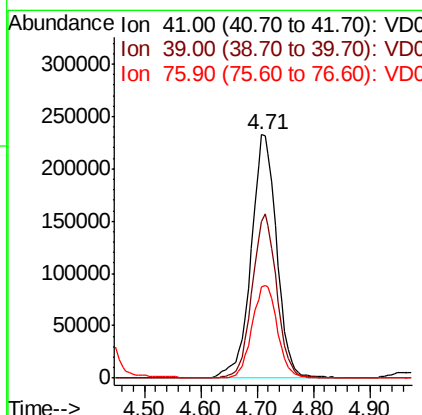
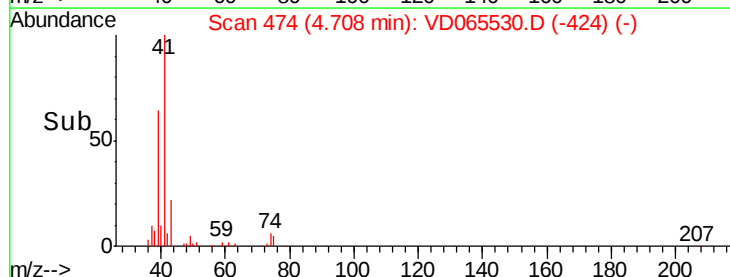
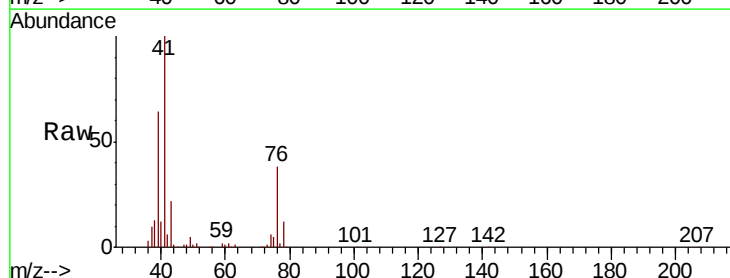
Tgt Ion: 41 Resp: 729758

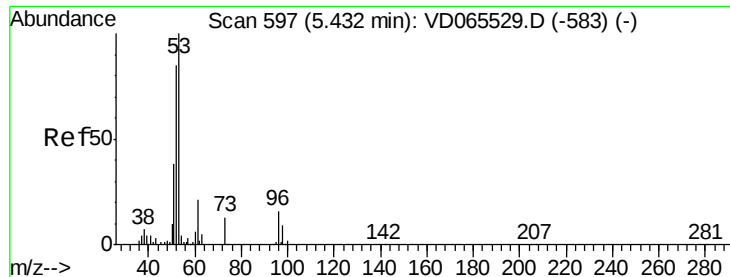
Ion Ratio Lower Upper

41 100

39 64.8 52.9 79.3

76 37.0 28.9 43.3





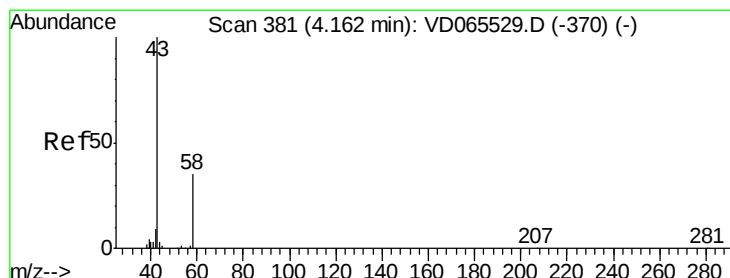
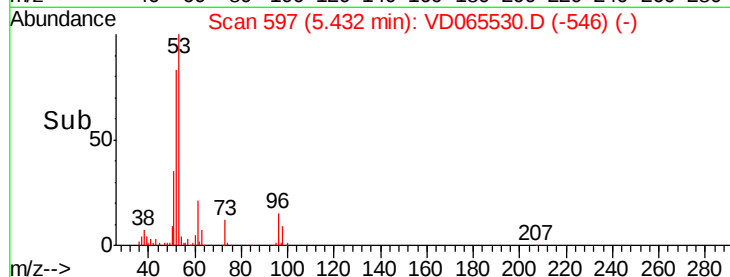
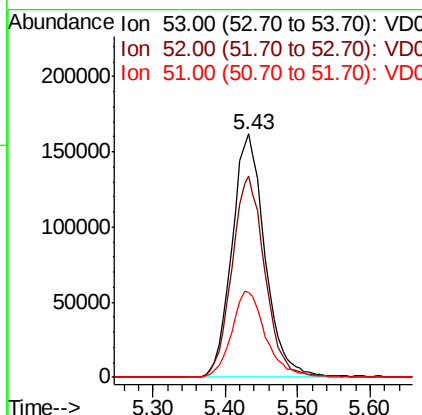
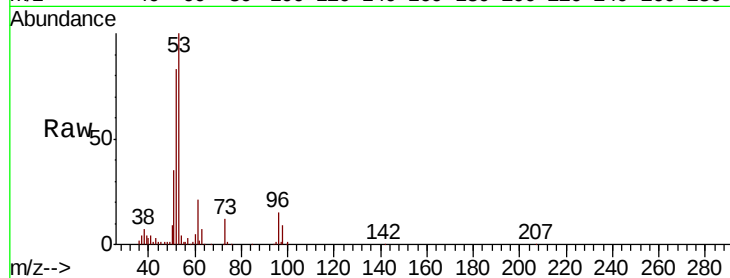
#15  
 Acrylonitrile  
 Concen: 480.862 ug/l  
 RT: 5.43 min Scan# 597  
 Delta R.T. -0.00 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 82.6  | 65.8  | 98.6  |
| 51      | 36.6  | 29.7  | 44.5  |

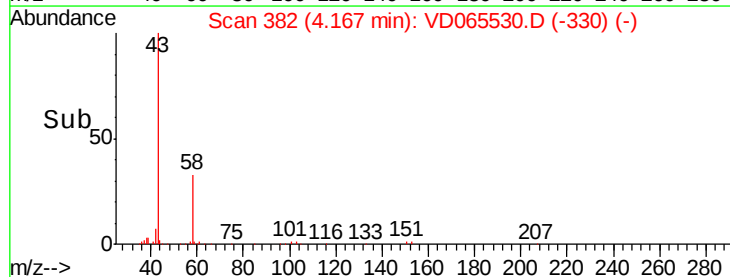
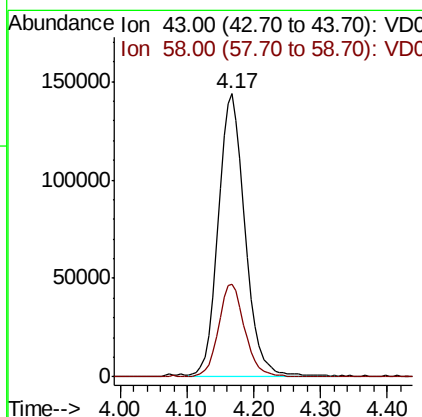
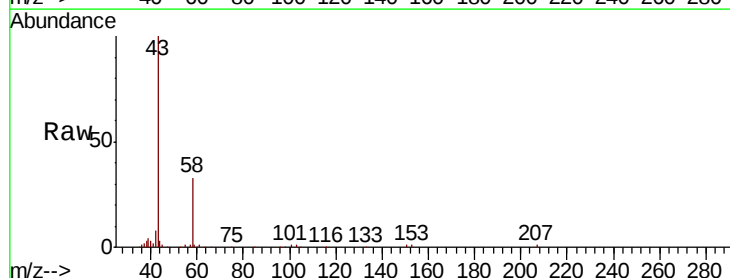
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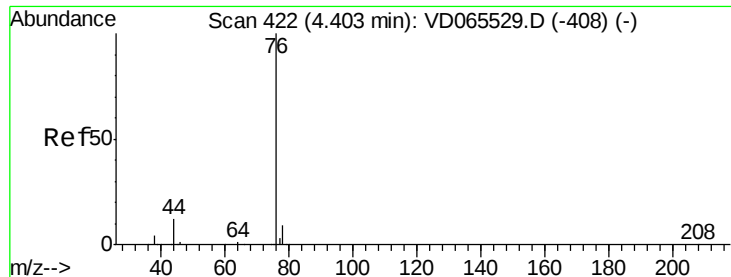
apatel  
 3/27/2020 10:12:25 AM



#16  
 Acetone  
 Concen: 424.629 ug/l  
 RT: 4.17 min Scan# 382  
 Delta R.T. 0.01 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 32.9  | 27.9  | 41.9  |





#17

Carbon Disulfide

Concen: 87.369 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1467193

Ion Ratio Lower Upper

76 100

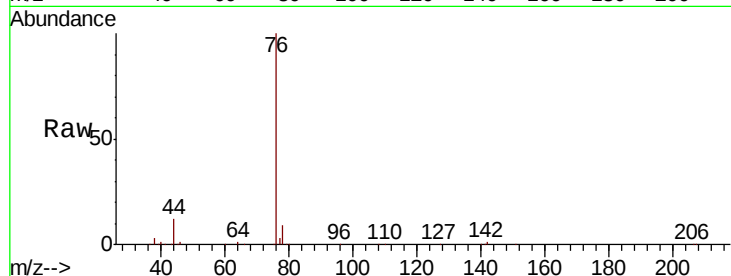
78 8.9 7.5 11.3

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

600000

500000

400000

300000

200000

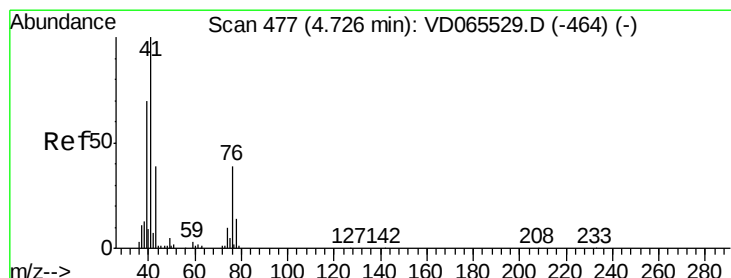
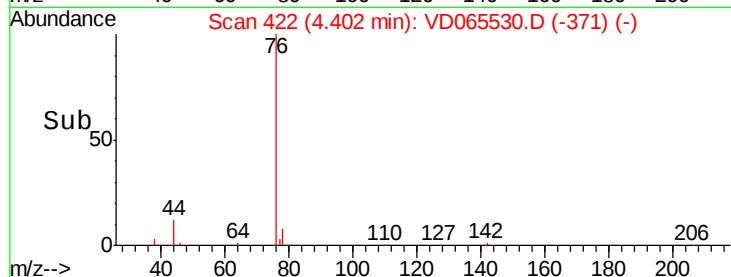
100000

0

4.40

4.20 4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 92.629 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065530.D

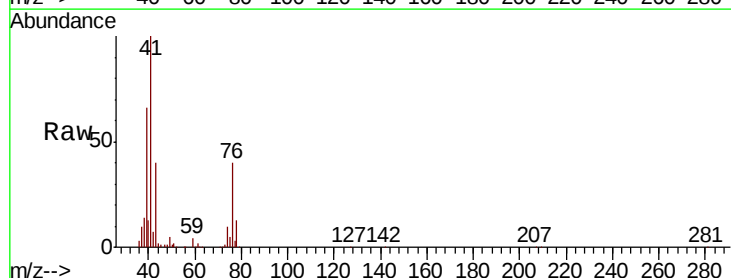
Acq: 26 Mar 2020 17:30

Tgt Ion: 43 Resp: 223469

Ion Ratio Lower Upper

43 100

74 24.7 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

80000

60000

40000

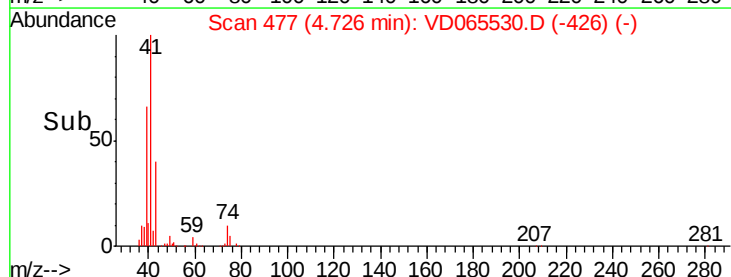
20000

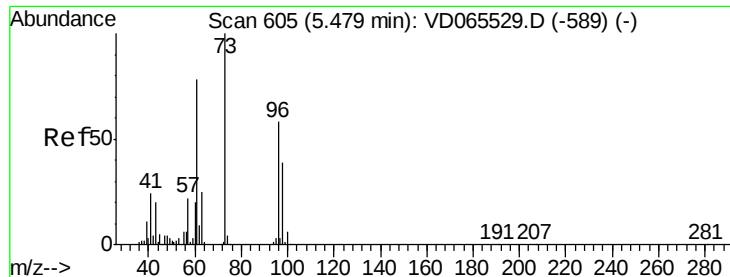
0

4.73

4.60 4.70 4.80 4.90

Time-->





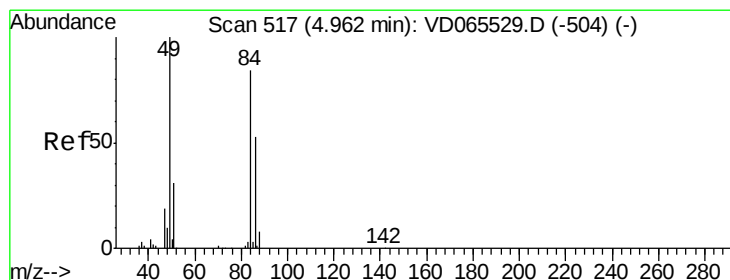
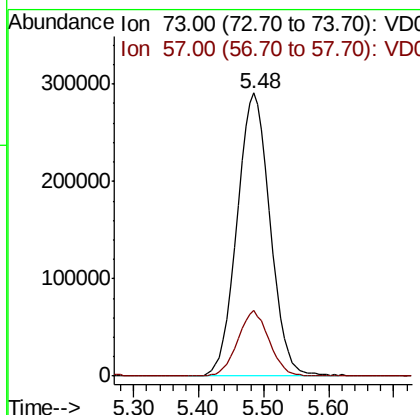
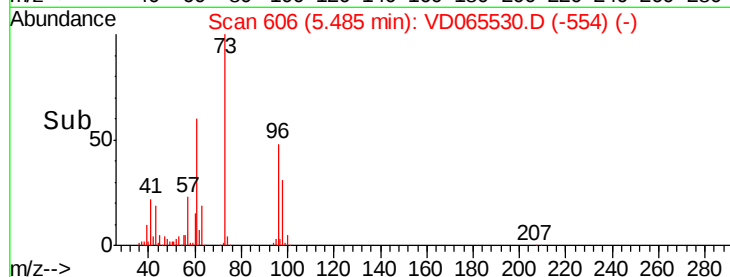
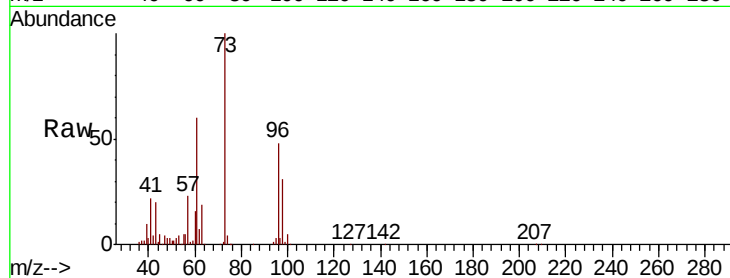
#19  
Methvl tert-butvl Ether  
Concen: 104.333 ug/l  
RT: 5.48 min Scan# 606  
Delta R.T. 0.01 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion: 73 Resp: 1023542  
Ion Ratio Lower Upper  
73 100  
57 23.3 17.7 26.5

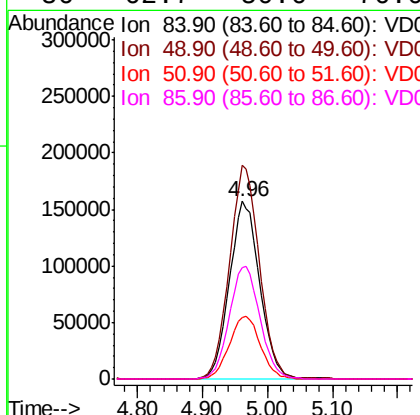
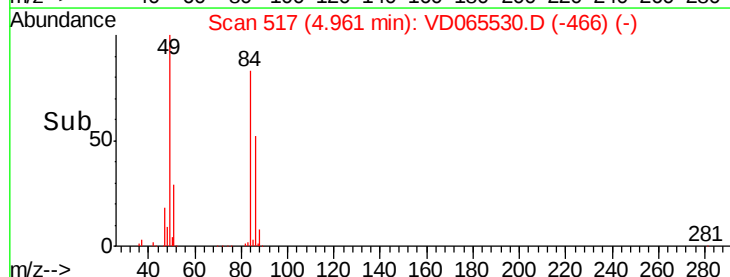
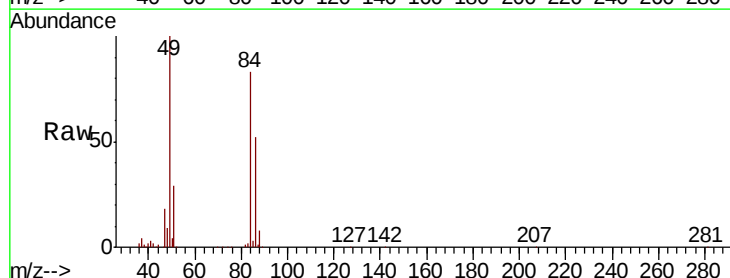
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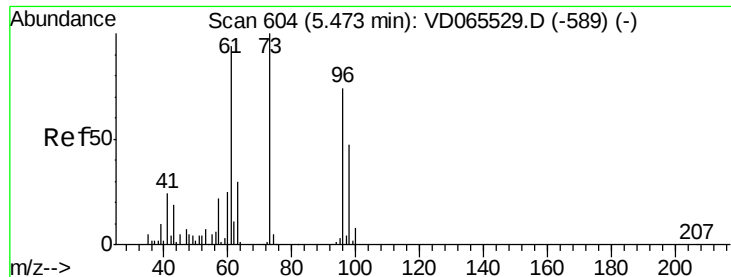
apatel  
3/27/2020 10:12:25 AM



#20  
Methylene Chloride  
Concen: 85.847 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Tgt Ion: 84 Resp: 507354  
Ion Ratio Lower Upper  
84 100  
49 120.1 95.6 143.4  
51 34.4 29.4 44.2  
86 62.7 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 94.042 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

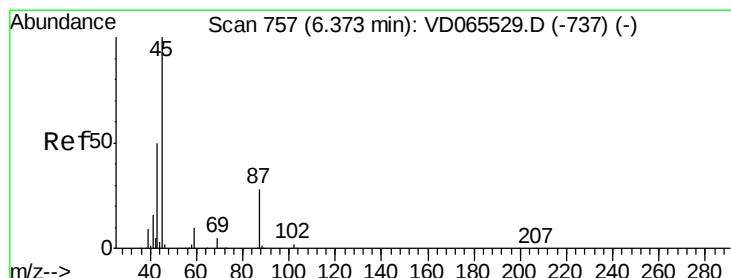
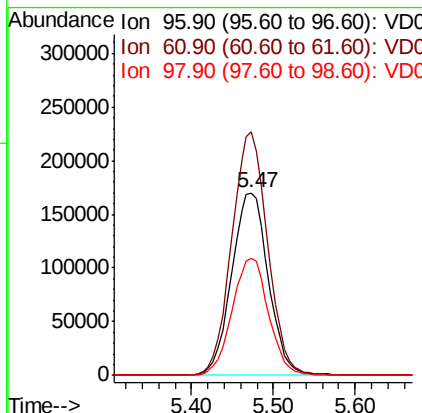
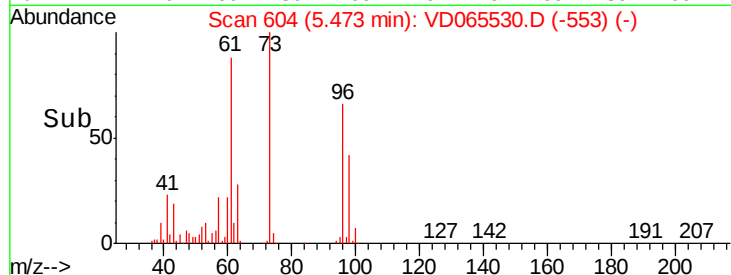
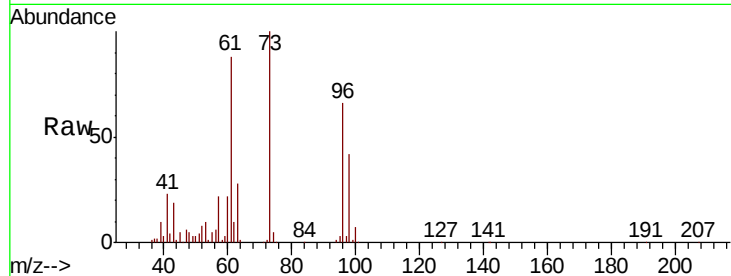
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 530611 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 133.2 | 101.8 | 152.6  |
| 98       | 64.1  | 51.4  | 77.2   |

Manual Integrations  
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apatel  
3/27/2020 10:12:25 AM



#22

Diisopropyl ether

Concen: 100.200 ug/l

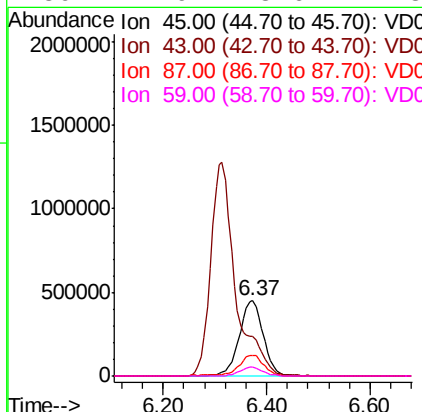
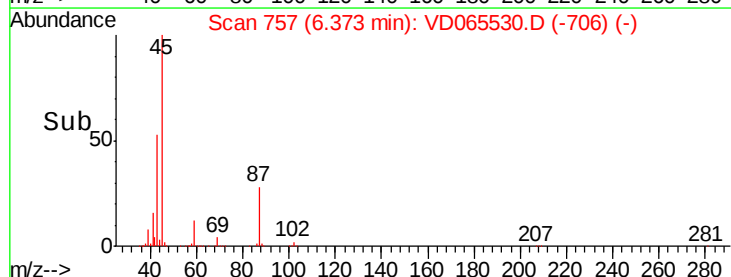
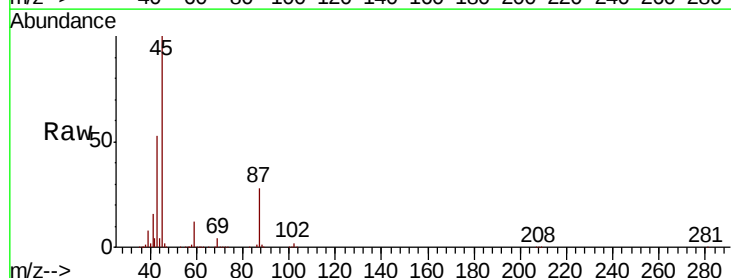
RT: 6.37 min Scan# 757

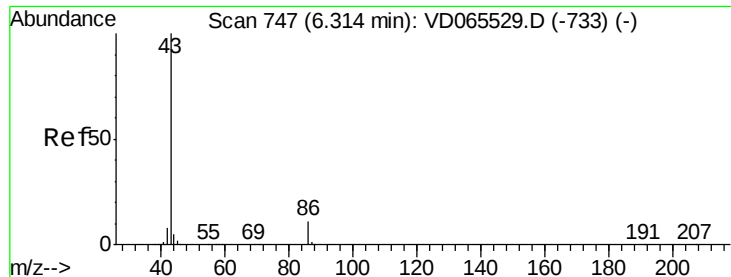
Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 45    | Resp: | 1455921 |
| Ion      | Ratio | Lower | Upper   |
| 45       | 100   |       |         |
| 43       | 52.1  | 40.5  | 60.7    |
| 87       | 27.6  | 22.5  | 33.7    |
| 59       | 11.9  | 8.6   | 12.8    |





#23

Vinyl Acetate

Concen: 527.746 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleID :

VSTDICC100

Tot Ion: 43 Resp: 4250930

Ion Ratio Lower Upper

43 100

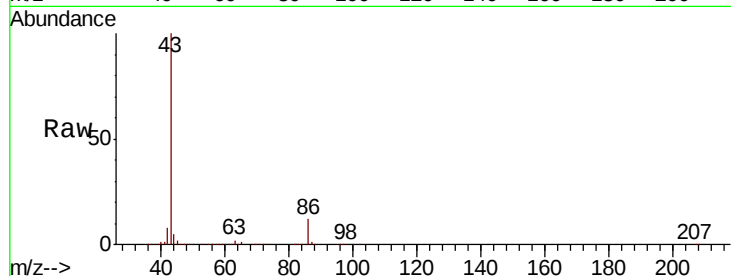
86 11.6 9.0 13.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

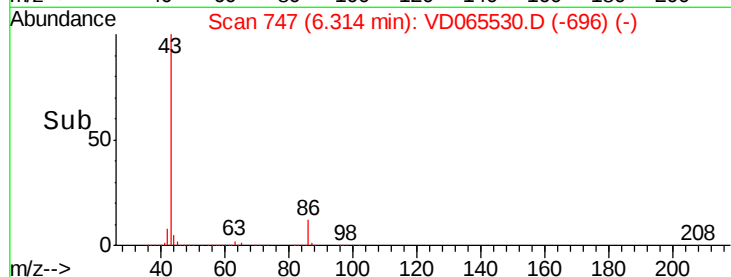
1500000

1000000

500000

0

6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 93.001 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

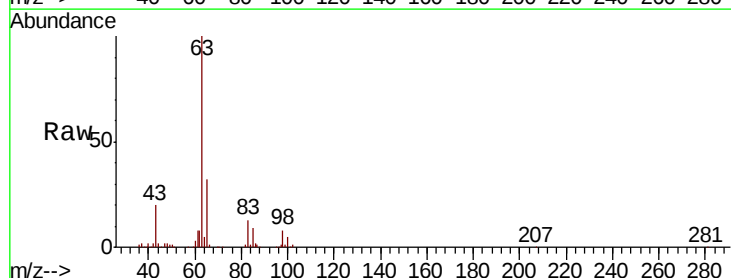
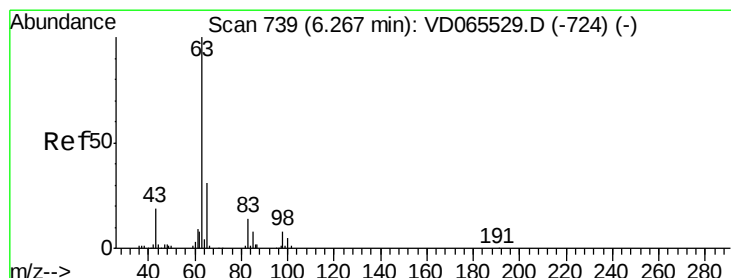
Tgt Ion: 63 Resp: 863493

Ion Ratio Lower Upper

63 100

98 8.0 4.2 12.6

100 5.1 2.5 7.4



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

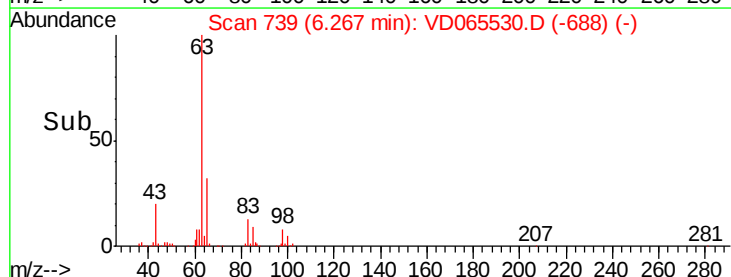
300000

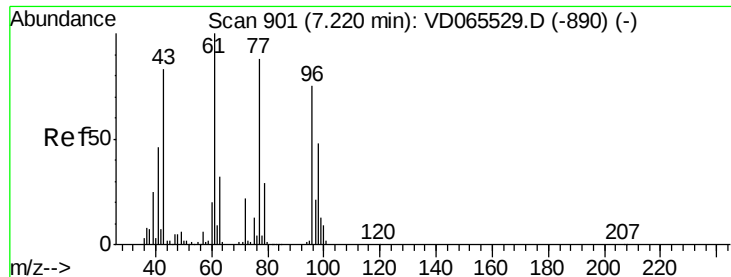
200000

100000

0

6.10 6.20 6.30 6.40 6.50





#25

2-Butanone

Concen: 475.507 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 615133

Ion Ratio Lower Upper

43 100

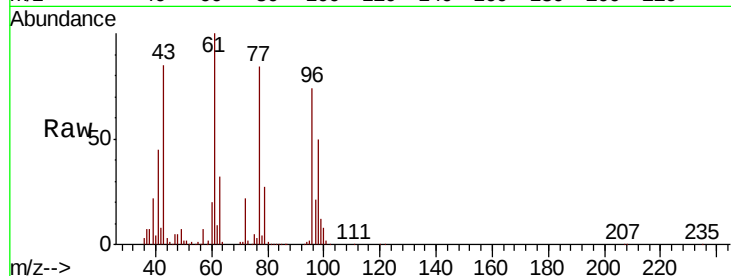
72 25.6 21.5 32.3

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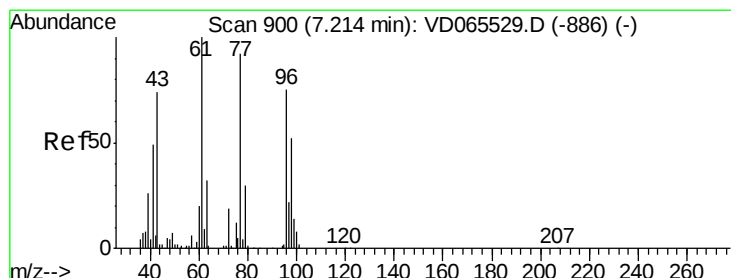
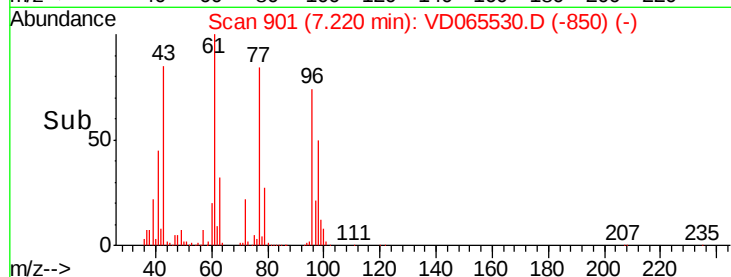
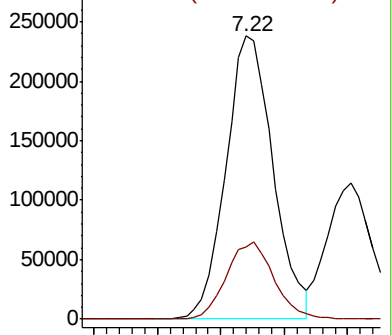
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 92.054 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065530.D

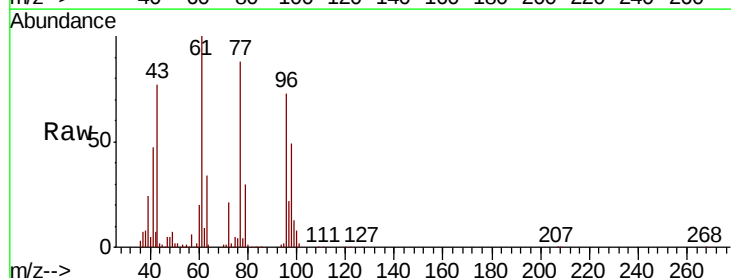
Acq: 26 Mar 2020 17:30

Tgt Ion: 77 Resp: 751142

Ion Ratio Lower Upper

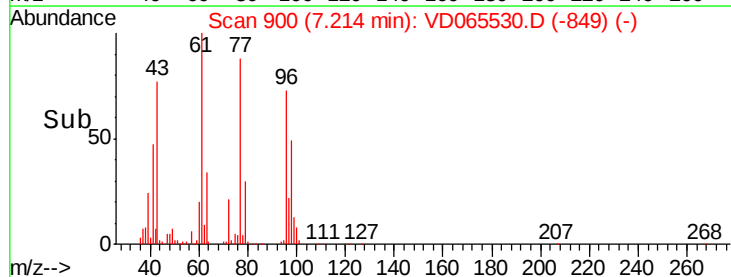
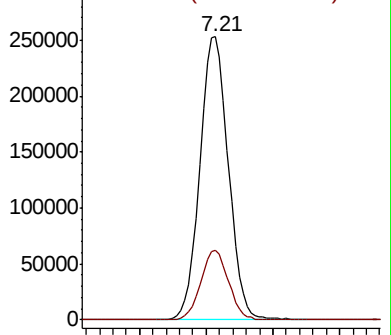
77 100

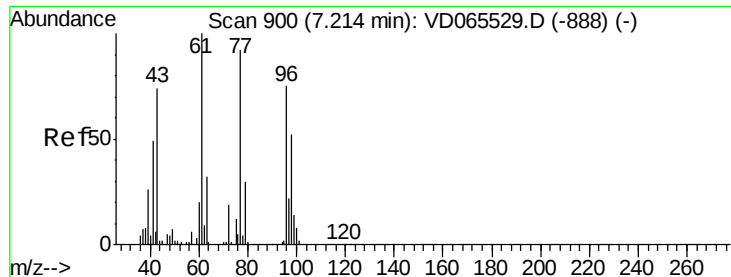
97 24.0 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 98.740 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

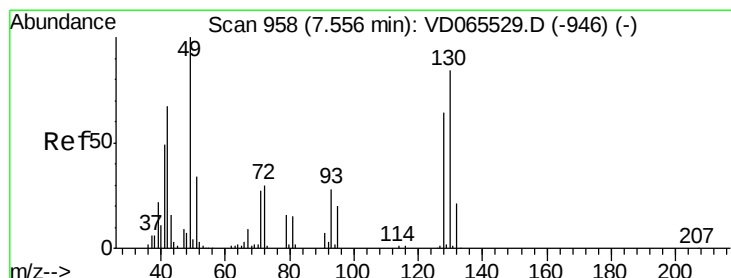
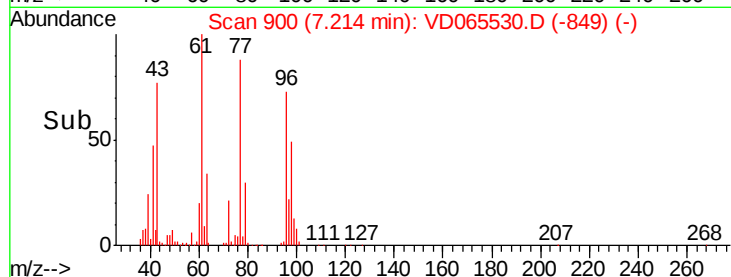
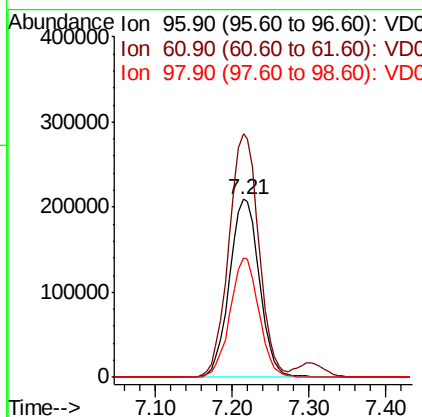
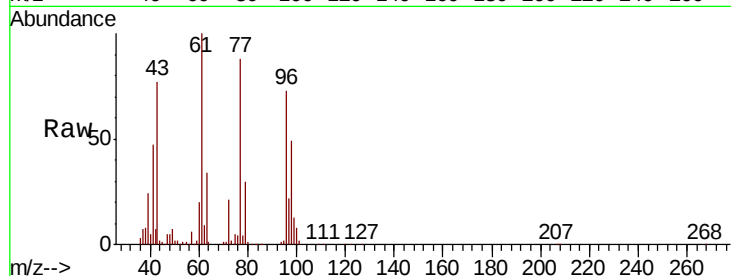
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 570501 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 136.6 | 0.0   | 278.0  |
| 98       | 64.9  | 0.0   | 129.6  |

Manual Integrations  
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#28

Bromochloromethane

Concen: 97.493 ug/l

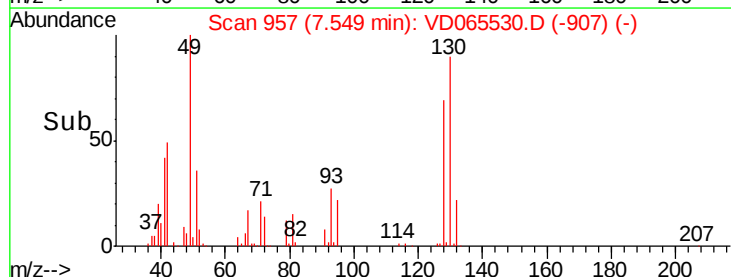
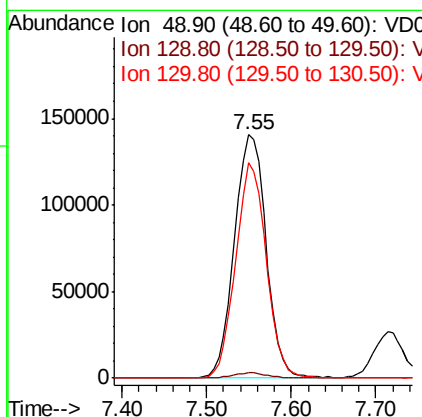
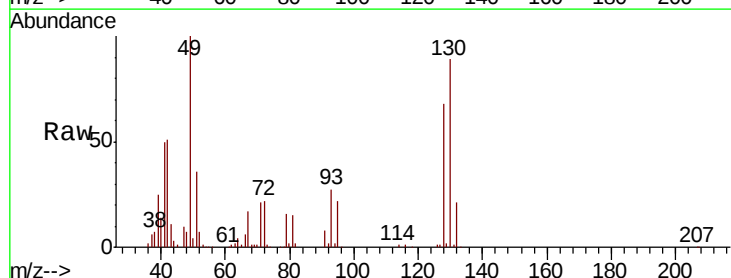
RT: 7.55 min Scan# 957

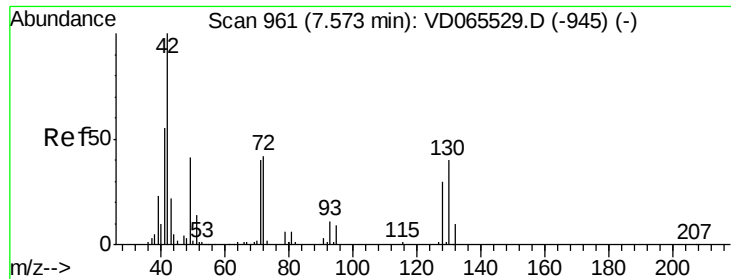
Delta R.T. -0.01 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 366023 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.2   | 0.0   | 4.4    |
| 130      | 85.2  | 69.7  | 104.5  |





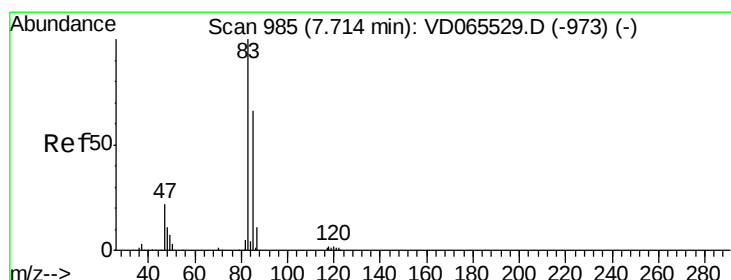
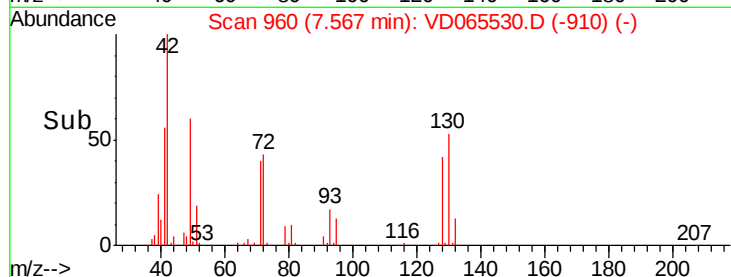
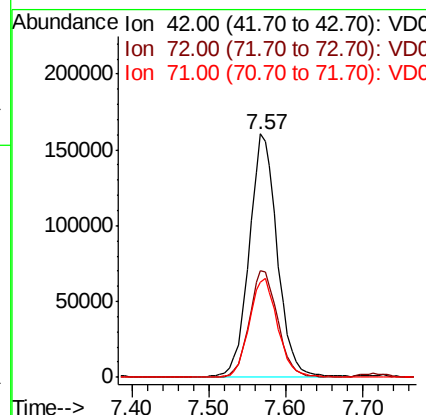
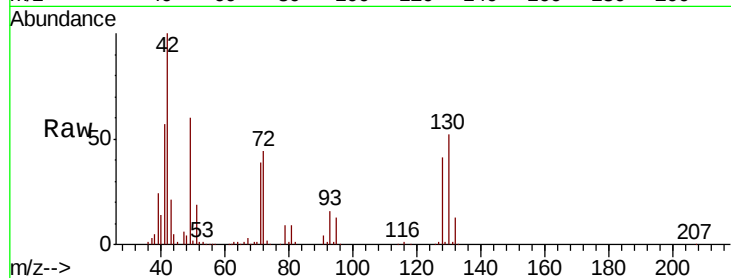
#29  
Tetrahydrofuran  
Concen: 497.396 ug/l  
RT: 7.57 min Scan# 960  
Delta R.T. -0.01 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.2  | 35.0  | 52.6  |
| 71      | 40.9  | 33.0  | 49.6  |

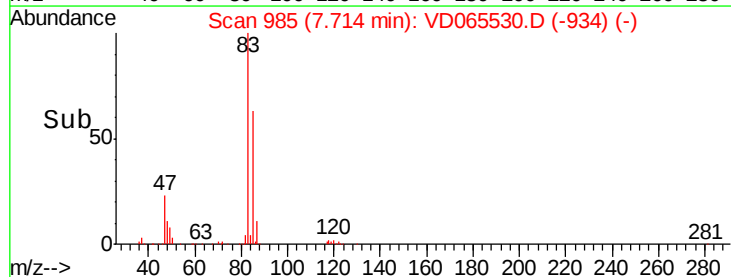
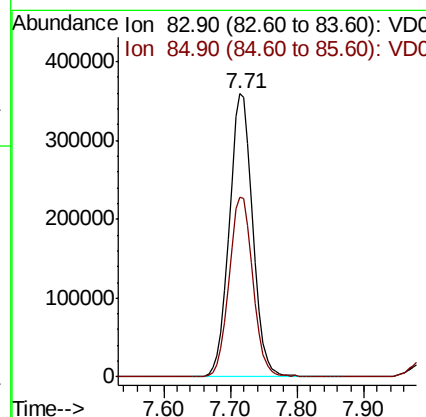
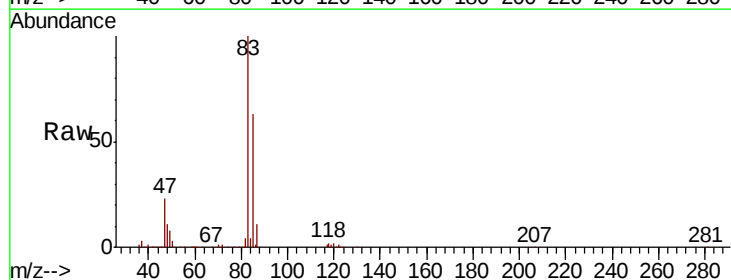
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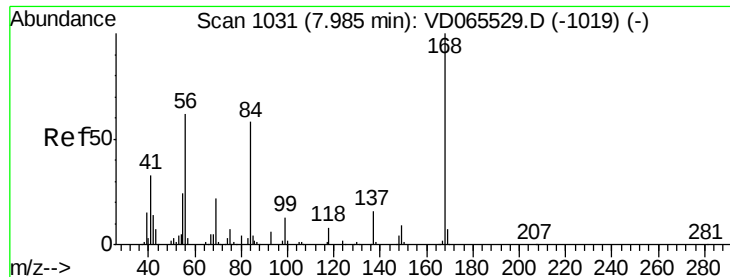
apatel  
3/27/2020 10:12:25 AM



#30  
Chloroform  
Concen: 95.585 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.5  | 52.9  | 79.3  |





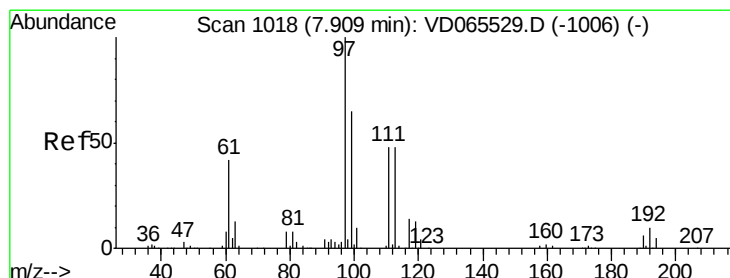
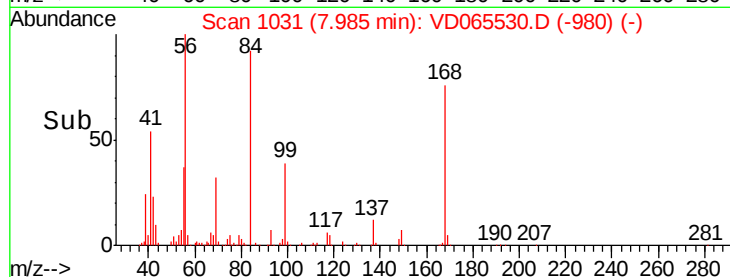
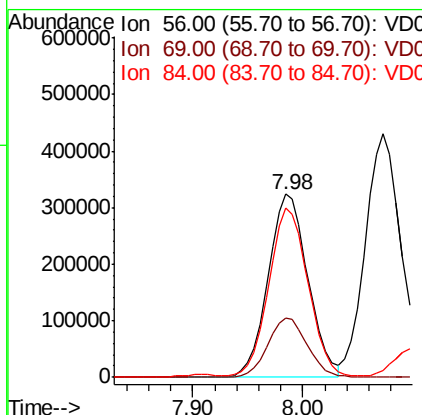
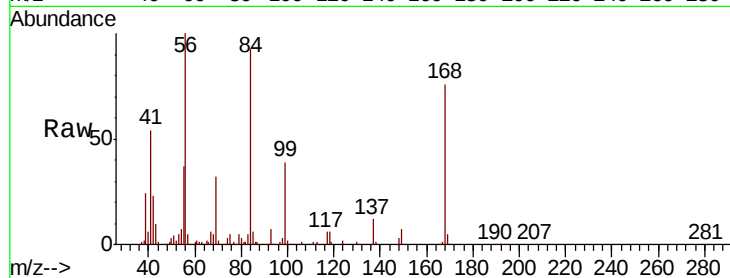
#31  
Cvclohexane  
Concen: 87.728 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.2  | 28.2  | 42.4  |
| 84      | 91.3  | 73.4  | 110.0 |

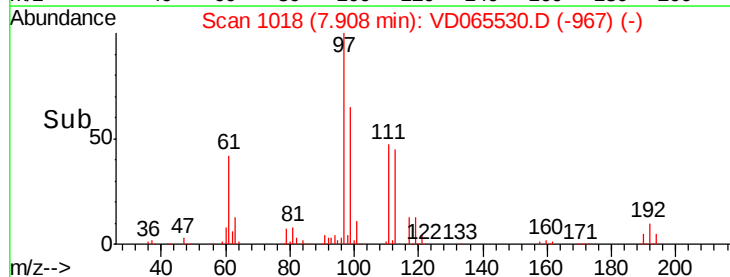
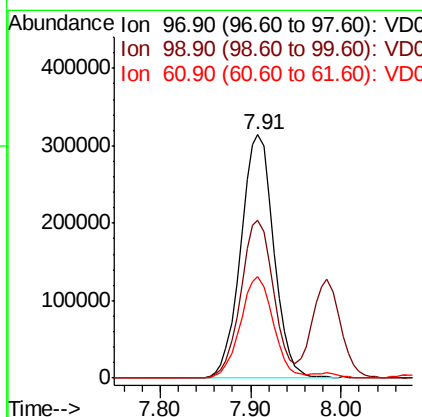
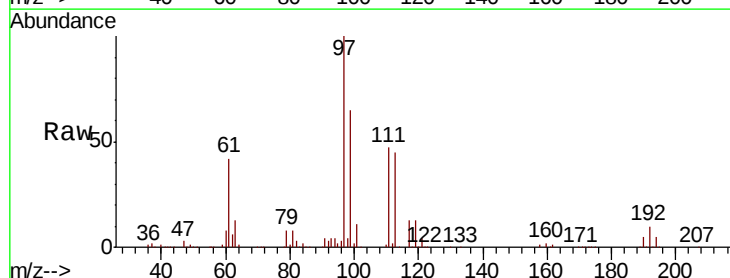
Manual Integrations  
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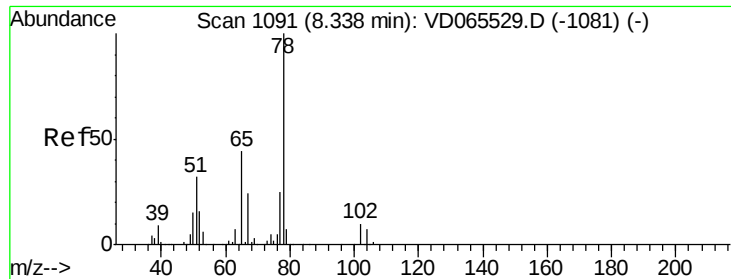
apatel  
3/27/2020 10:12:25 AM



#32  
1,1,1-Trichloroethane  
Concen: 92.356 ug/l  
RT: 7.91 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.7  | 51.2  | 76.8  |
| 61      | 41.6  | 33.4  | 50.2  |





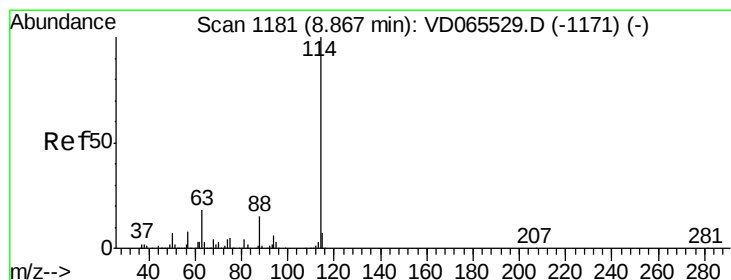
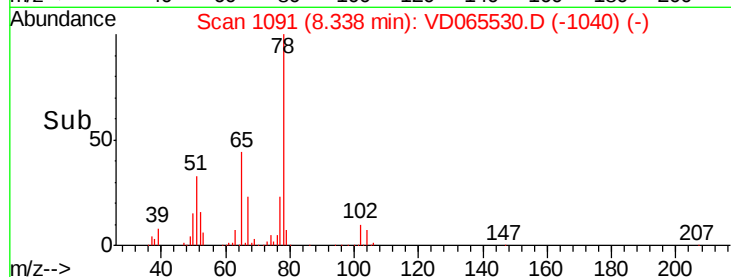
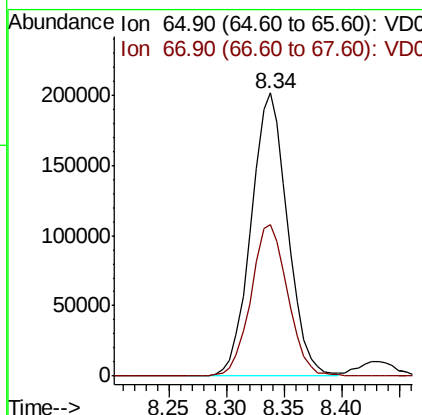
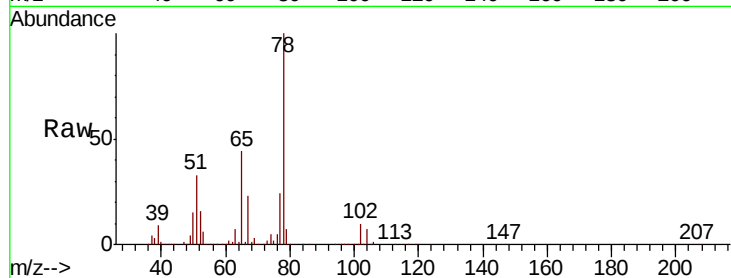
#33  
 1,2-Dichloroethane-d4  
 Concen: 93.804 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. -0.00 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.3  | 0.0   | 107.6 |

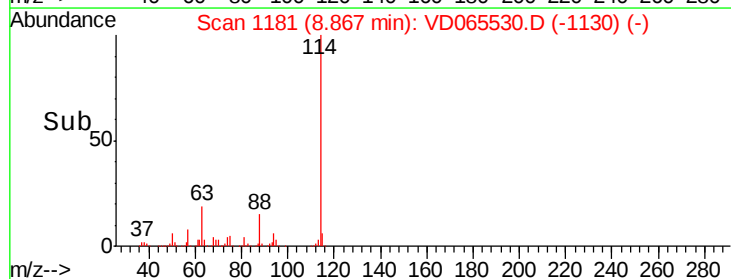
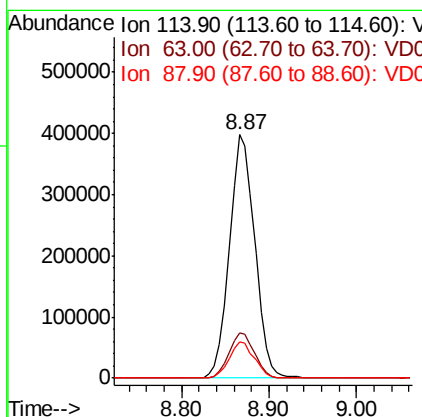
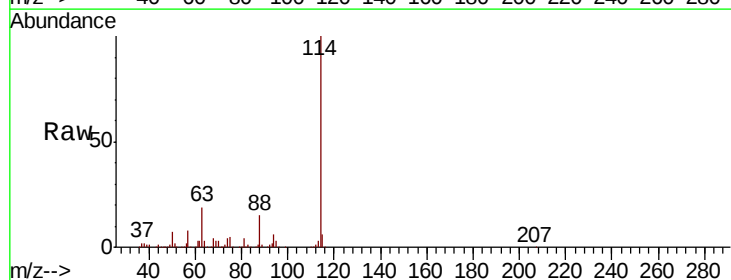
Manual Integrations  
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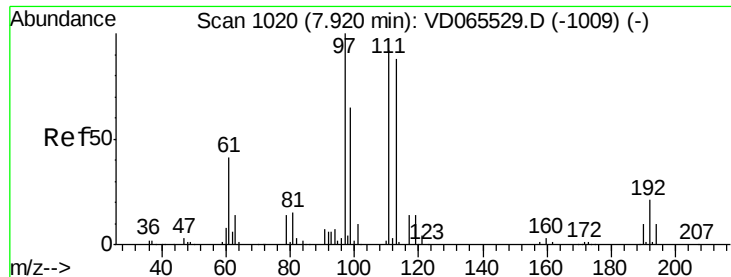
apatel  
 3/27/2020 10:12:25 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.6  | 0.0   | 37.0  |
| 88      | 15.1  | 0.0   | 30.4  |





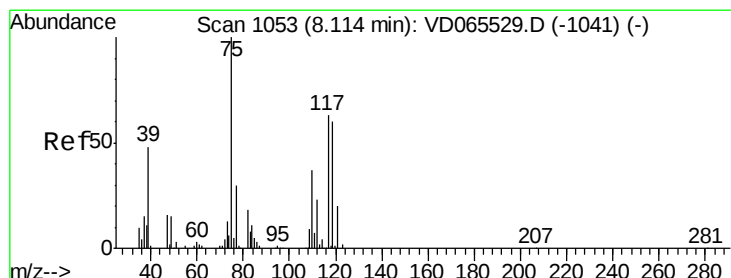
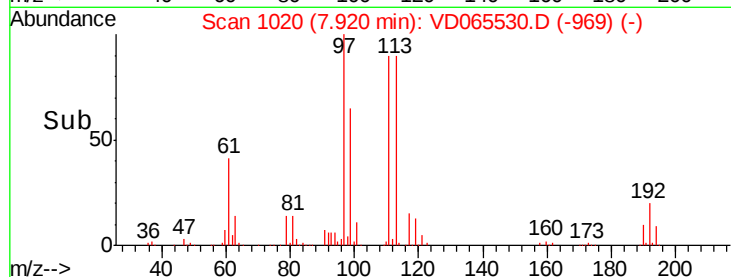
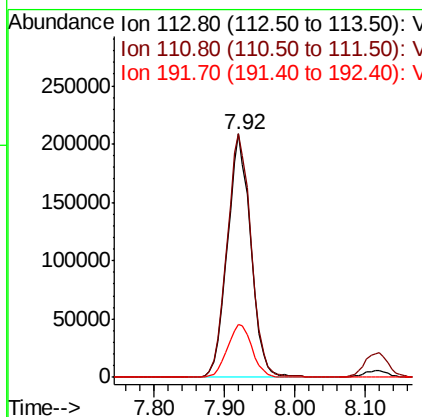
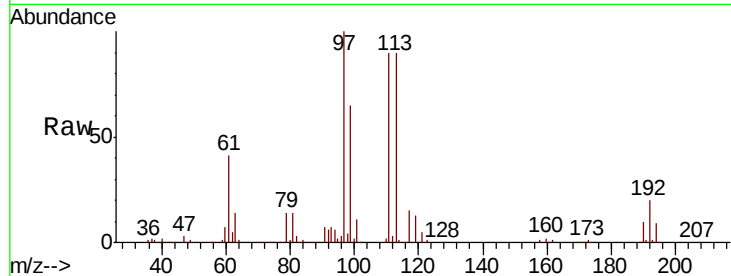
#35  
 Dibromofluoromethane  
 Concen: 99.377 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 478970 |       |       |
| 111     | 103.0 | 83.3   | 124.9 |       |
| 192     | 23.0  | 18.5   | 27.7  |       |

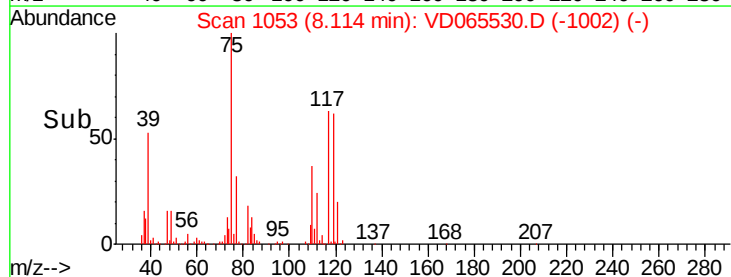
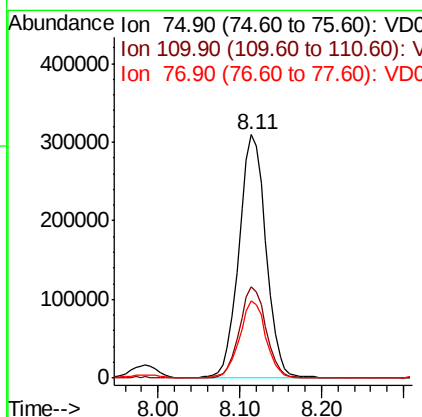
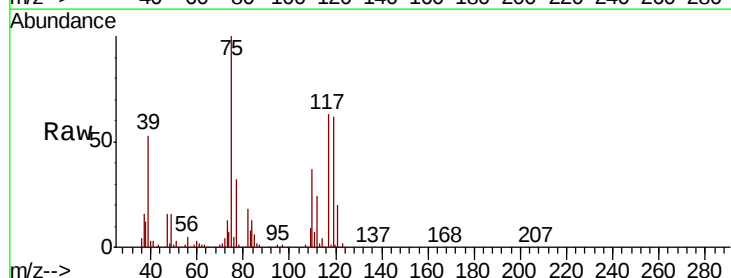
Manual Integrations  
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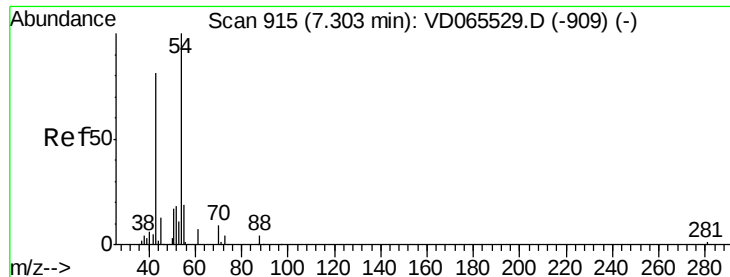
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#36  
 1,1-Dichloropropene  
 Concen: 96.127 ug/l  
 RT: 8.11 min Scan# 1053  
 Delta R.T. -0.00 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 711484 |       |       |
| 110     | 37.2  | 18.8   | 56.4  |       |
| 77      | 31.5  | 25.1   | 37.7  |       |





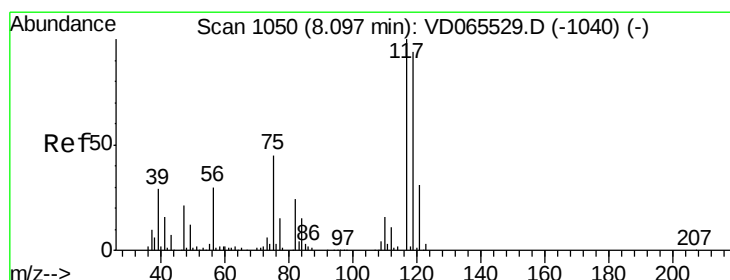
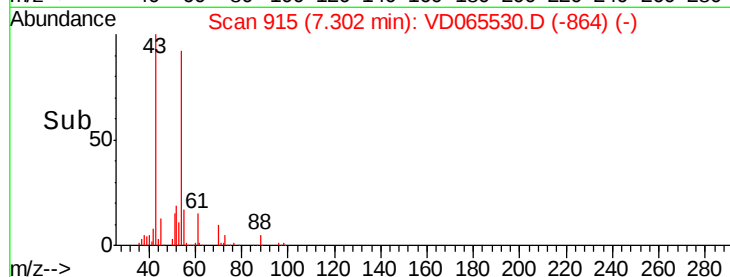
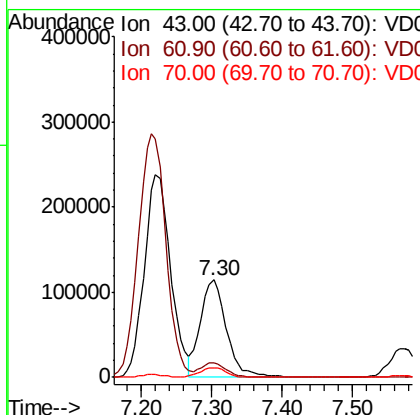
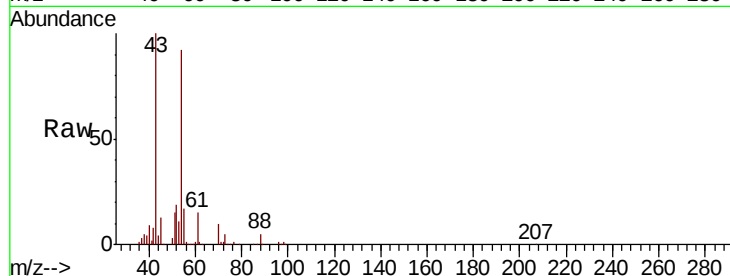
#37  
Ethyl Acetate  
Concen: 101.795 ug/l  
RT: 7.30 min Scan# 915  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.8  | 12.2  | 18.4  |
| 70      | 10.2  | 8.4   | 12.6  |

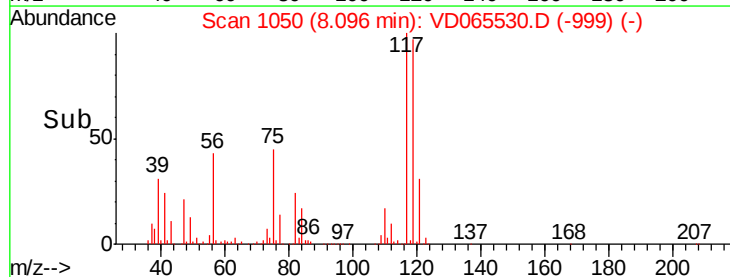
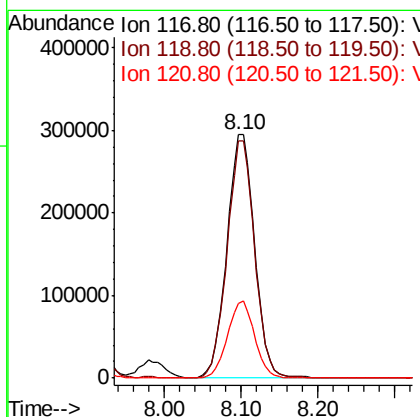
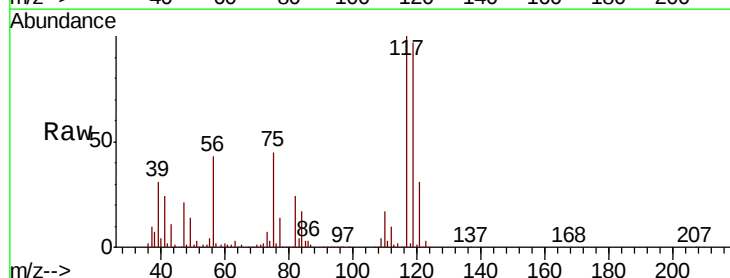
Manual Integrations  
APPROVED

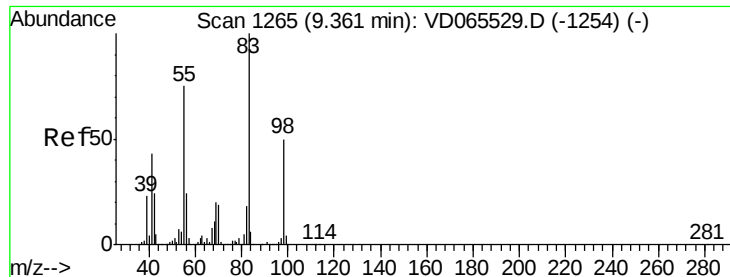
apatel  
3/27/2020 10:12:25 AM



#38  
Carbon Tetrachloride  
Concen: 95.583 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.5  | 75.2  | 112.8 |
| 121     | 30.9  | 24.5  | 36.7  |





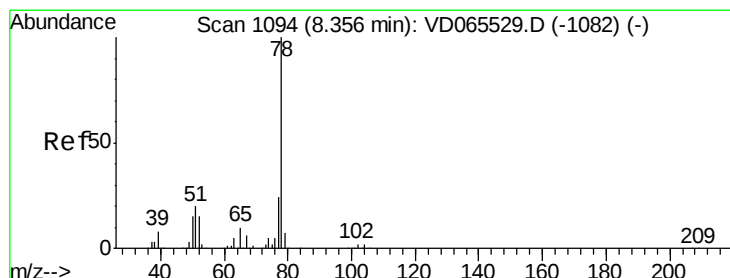
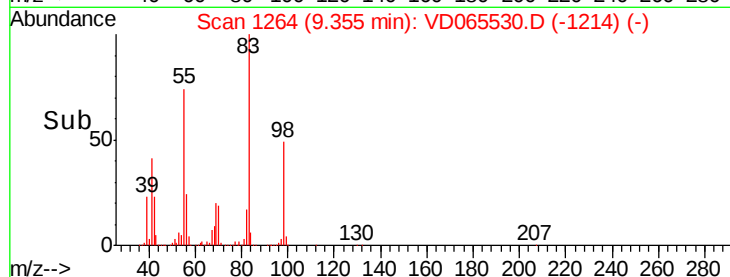
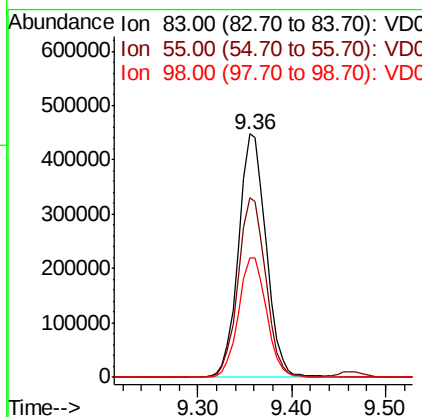
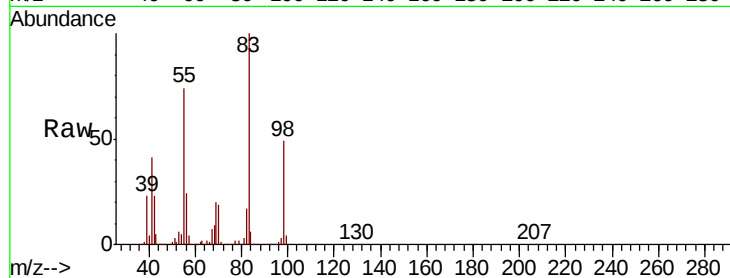
#39  
Methvlcvclohexane  
Concen: 102.088 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.01 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 74.0  | 59.7  | 89.5  |
| 98      | 49.2  | 40.2  | 60.2  |

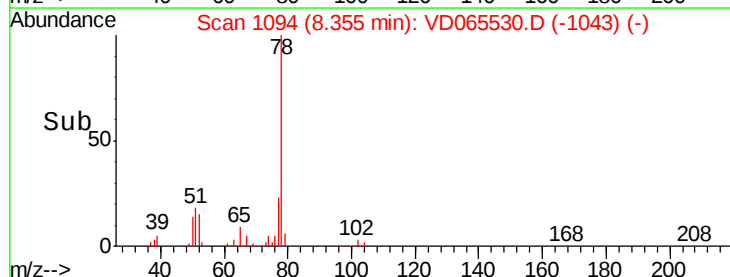
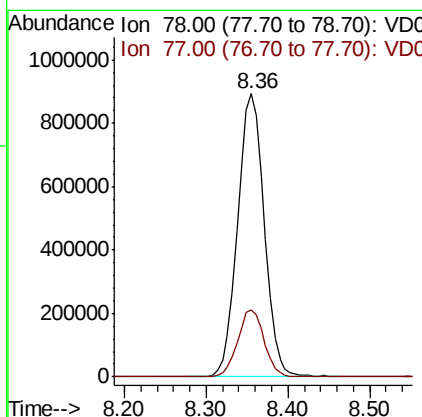
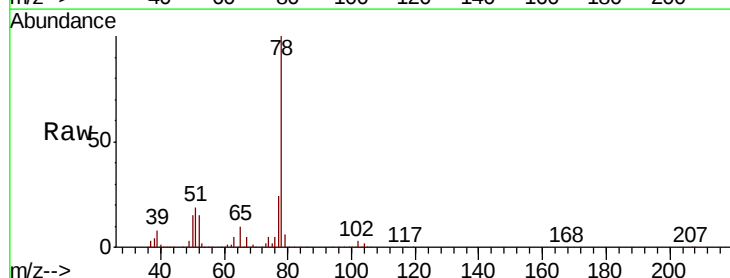
Manual Integrations  
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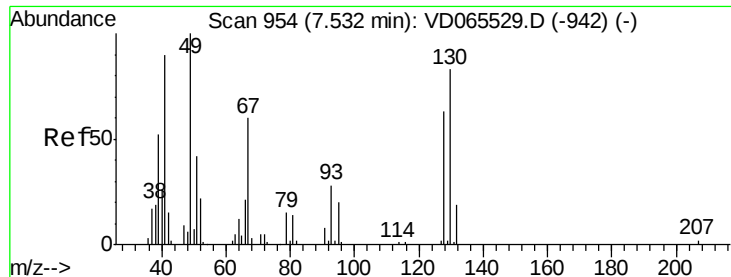
apatel  
3/27/2020 10:12:25 AM



#40  
Benzene  
Concen: 97.917 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.6  | 19.1  | 28.7  |





#41

Methacrylonitrile

Concen: 118.947 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICC100

Tot Ion: 41 Resp: 185416

Ion Ratio Lower Upper

41 100

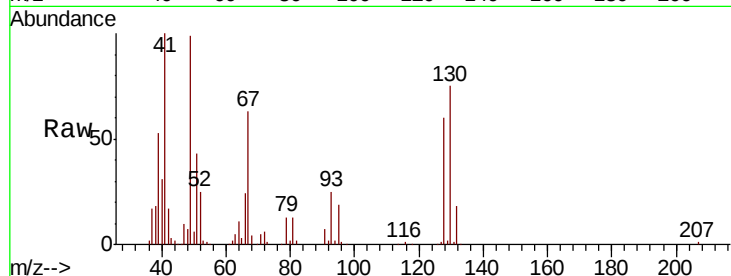
39 45.5 42.9 64.3

67 66.3 60.5 90.7

52 27.6 24.5 36.7

Manual Integrations  
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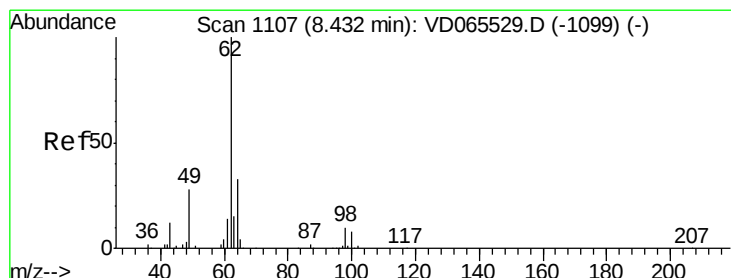
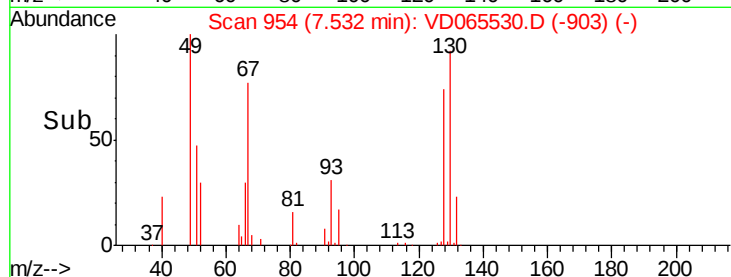
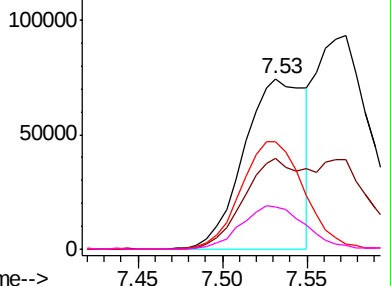


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 98.077 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065530.D

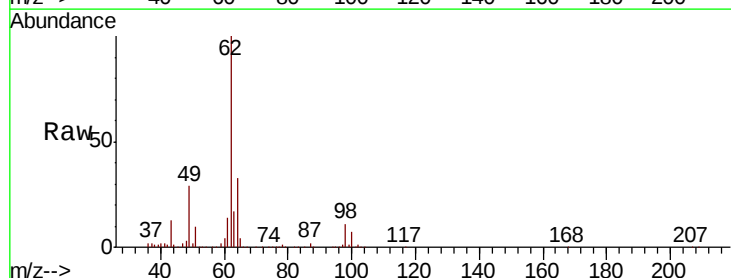
Acq: 26 Mar 2020 17:30

Tgt Ion: 62 Resp: 534487

Ion Ratio Lower Upper

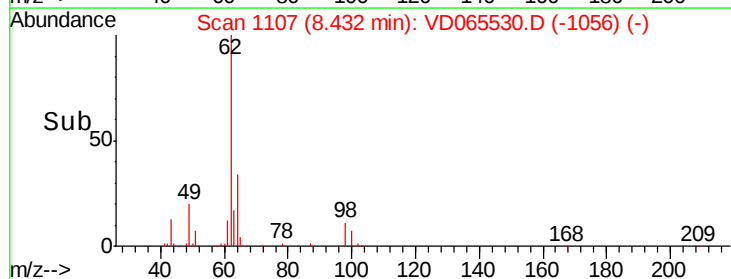
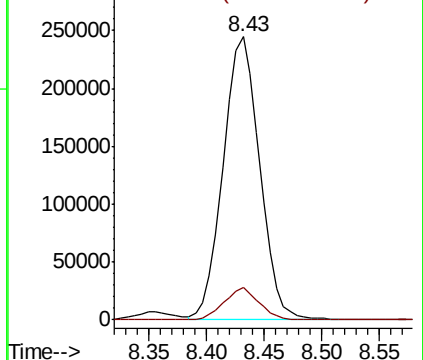
62 100

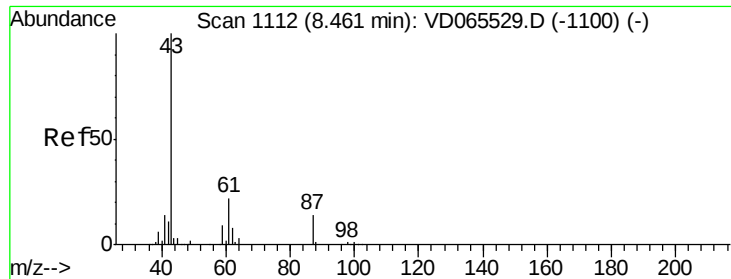
98 11.0 0.0 21.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 101.814 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

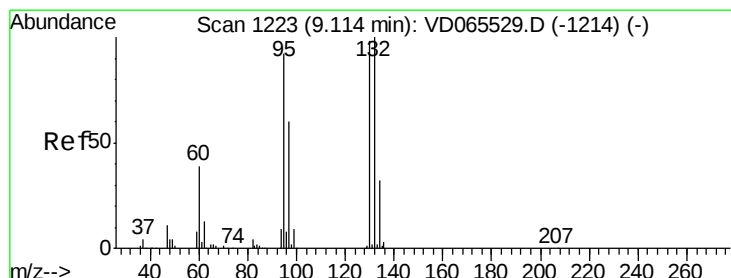
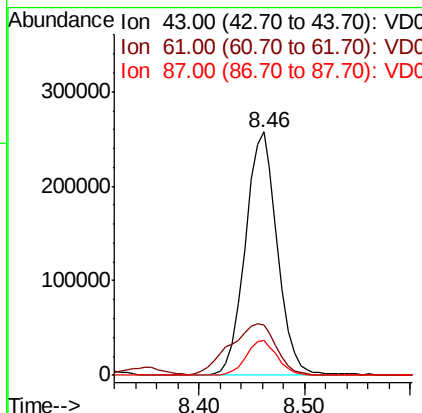
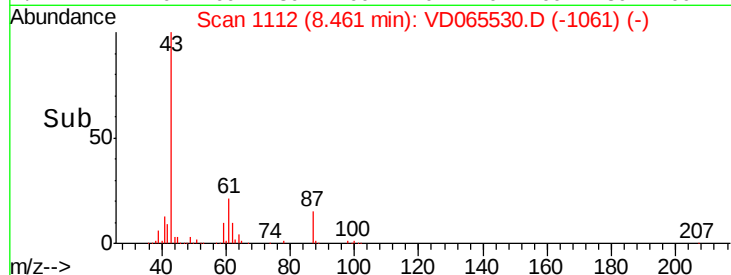
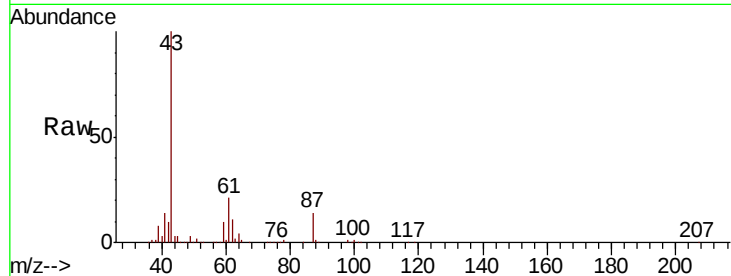
ClientSampleId :

VSTDICC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 539561 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 30.8  | 25.0  | 37.4   |
| 87       | 14.2  | 11.0  | 16.4   |

Manual Integrations  
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#44

Trichloroethene

Concen: 98.875 ug/l

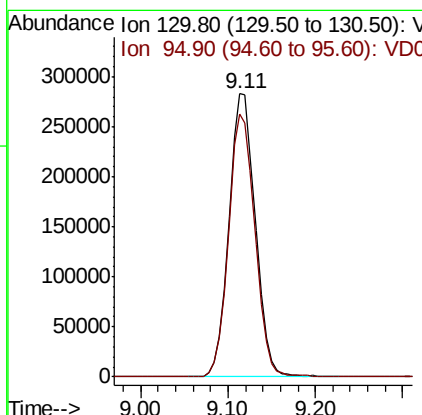
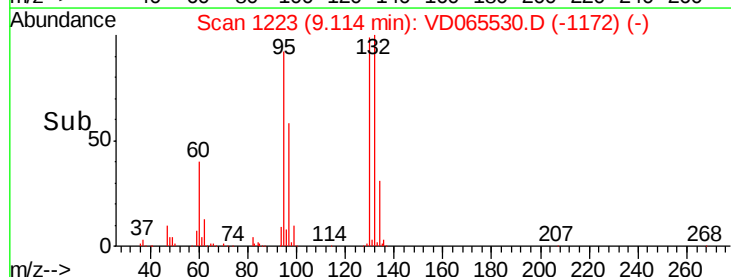
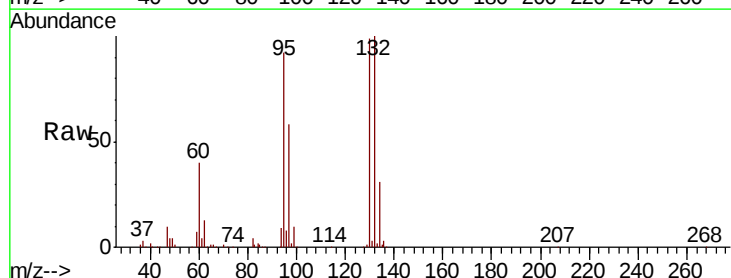
RT: 9.11 min Scan# 1223

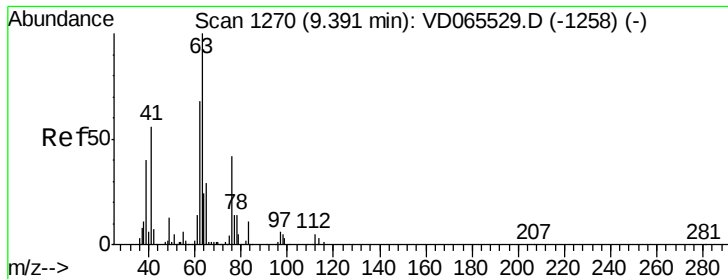
Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 580461 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 93.0  | 0.0   | 187.0  |





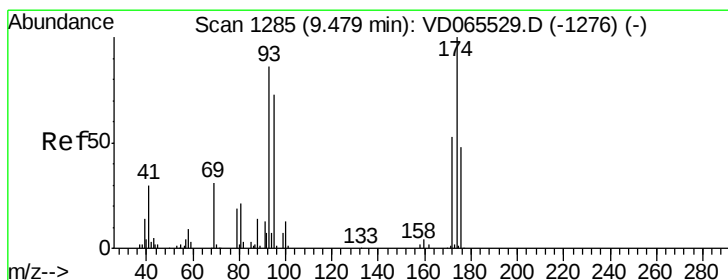
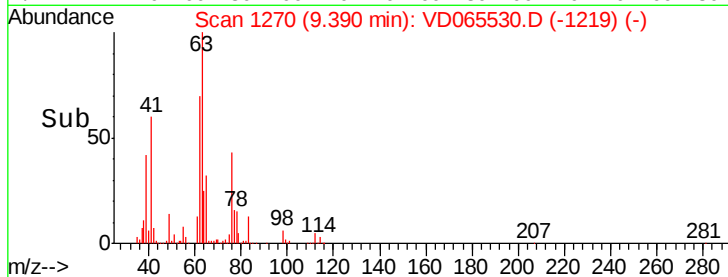
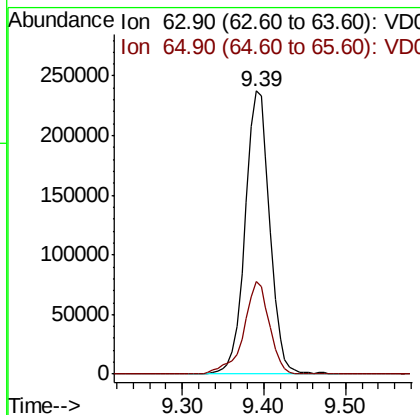
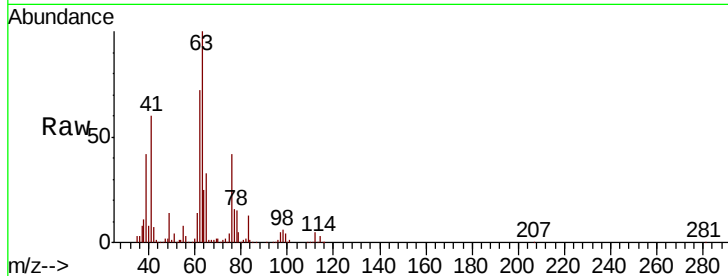
#45  
 1,2-Dichloropropane  
 Concen: 98.637 ug/l  
 RT: 9.39 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 32.8  | 23.5  | 35.3  |

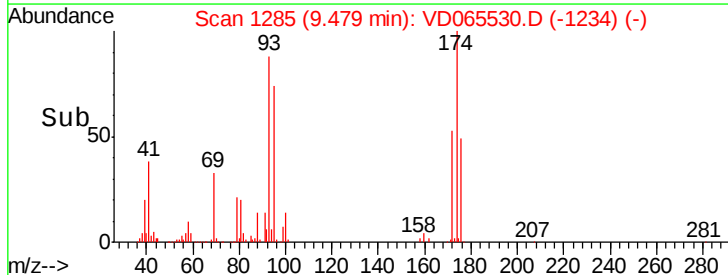
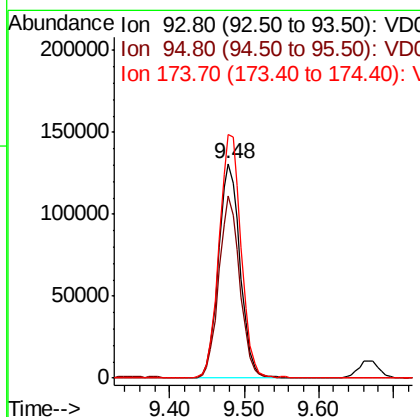
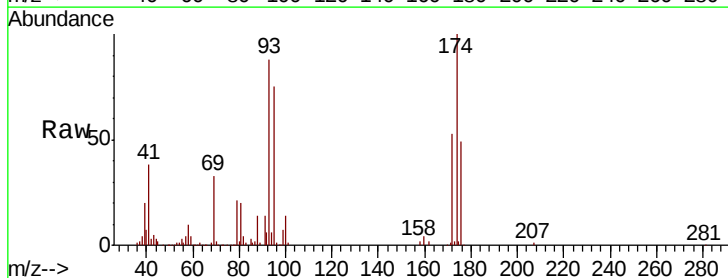
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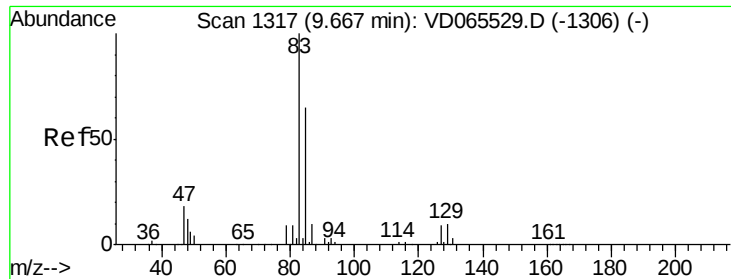
apatel  
 3/27/2020 10:12:25 AM



#46  
 Dibromomethane  
 Concen: 100.867 ug/l  
 RT: 9.48 min Scan# 1285  
 Delta R.T. -0.00 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.1  | 67.3  | 100.9 |
| 174     | 115.3 | 92.5  | 138.7 |





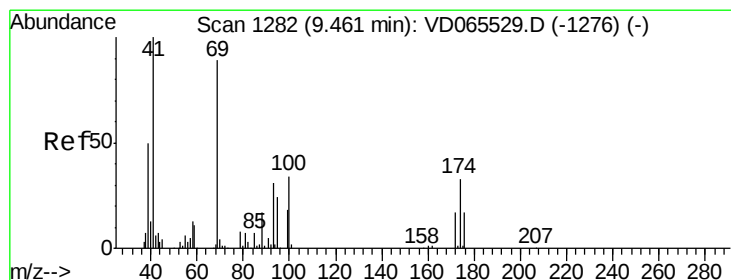
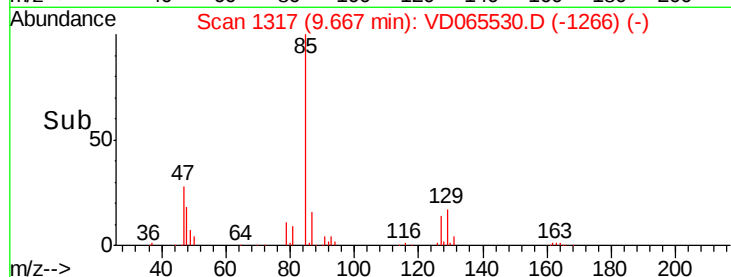
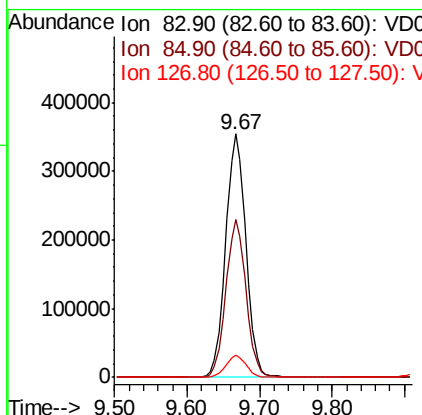
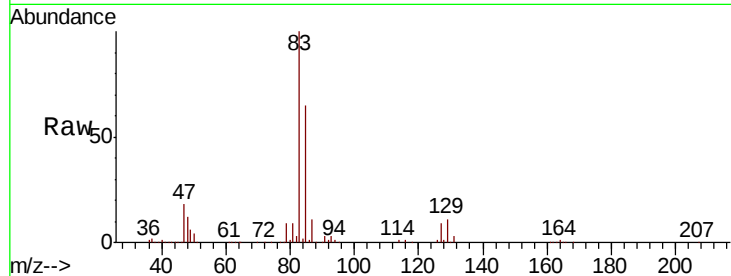
#47  
Bromodichloromethane  
Concen: 100.857 ug/l  
RT: 9.67 min Scan# 1317  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.0  | 52.2  | 78.2  |
| 127     | 8.9   | 7.1   | 10.7  |

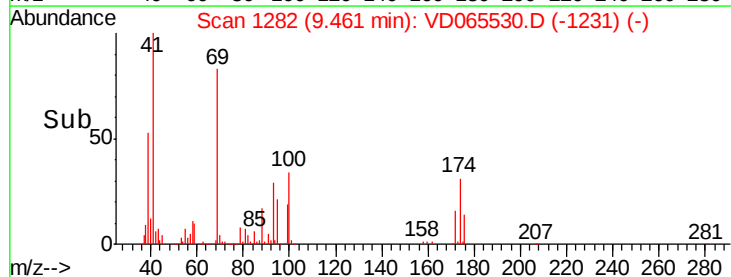
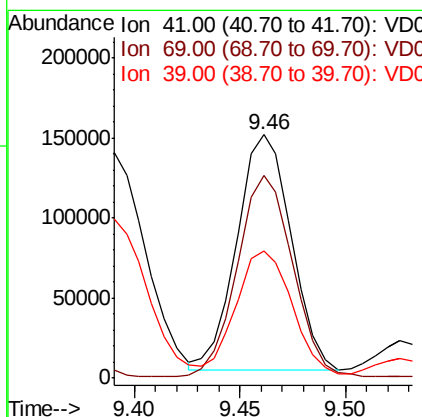
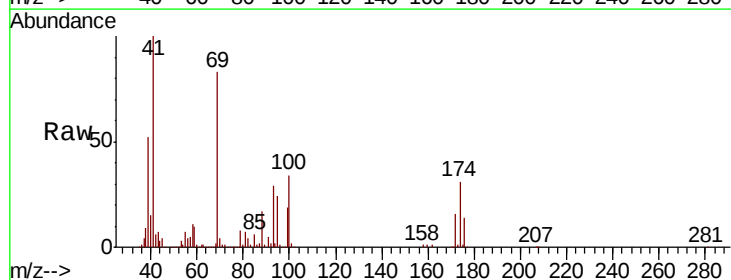
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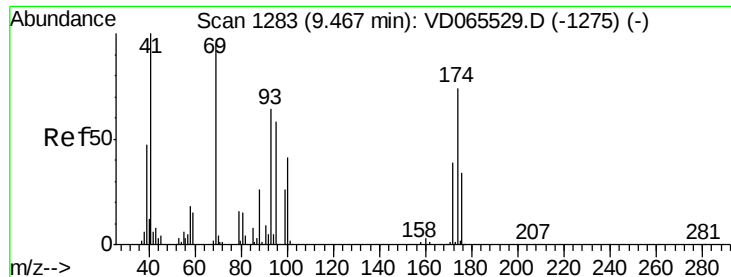
apatel  
3/27/2020 10:12:25 AM



#48  
Methyl methacrylate  
Concen: 104.577 ug/l  
RT: 9.46 min Scan# 1282  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 88.8  | 71.8  | 107.6 |
| 39      | 53.0  | 42.2  | 63.4  |





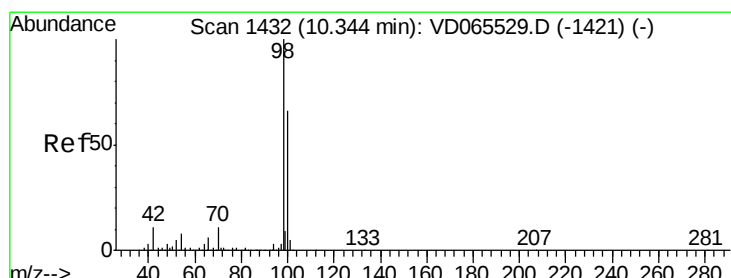
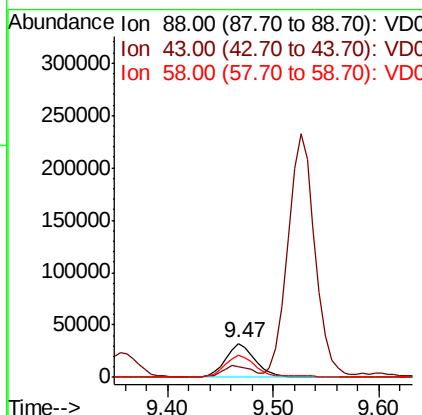
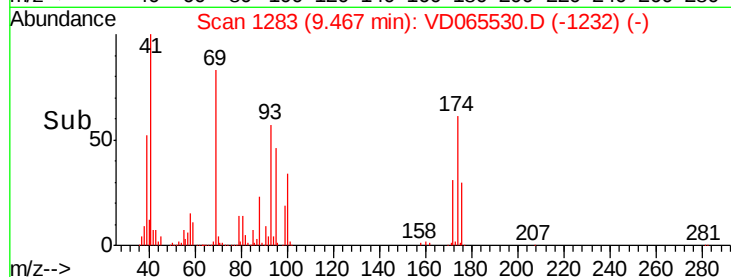
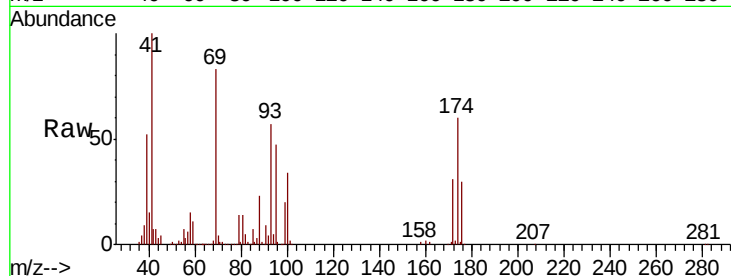
#49  
1,4-Dioxane  
Concen: 2084.895 ug/l  
RT: 9.47 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 34.4  | 26.0  | 39.0  |
| 58      | 66.5  | 54.6  | 82.0  |

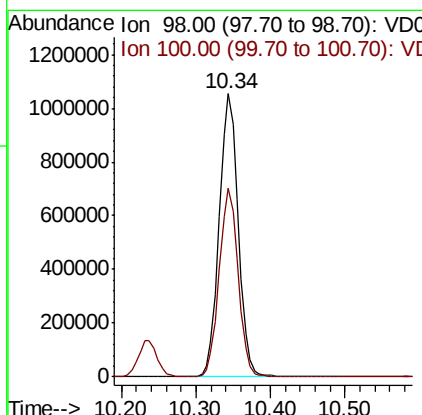
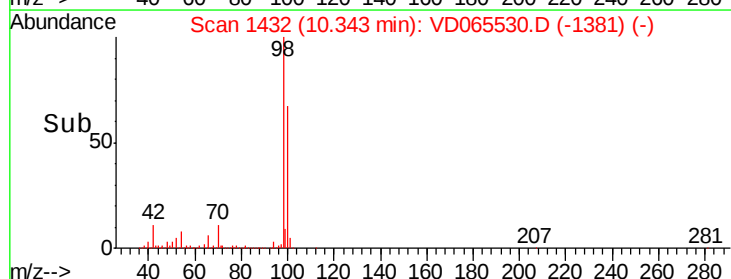
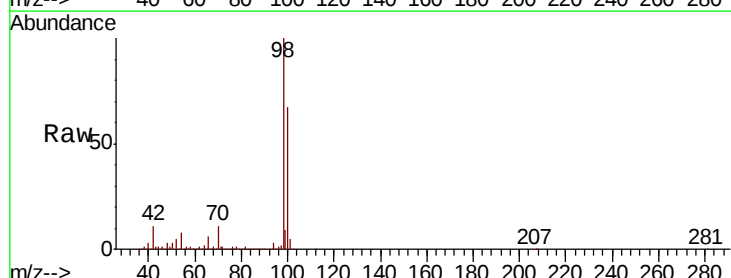
Manual Integrations  
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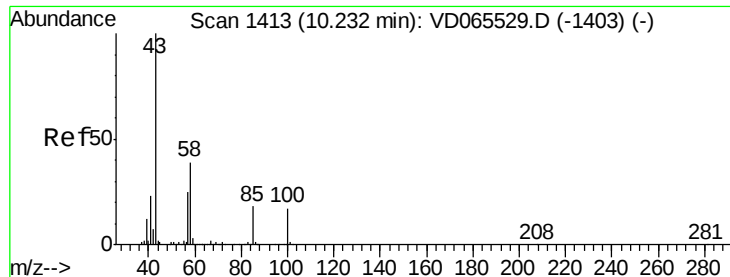
apatel  
3/27/2020 10:12:25 AM



#50  
Toluene-d8  
Concen: 101.532 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.1  | 52.2  | 78.2  |





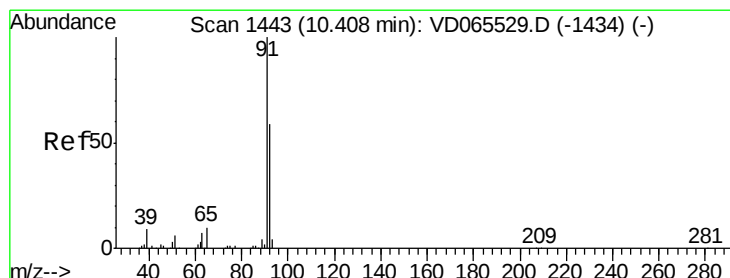
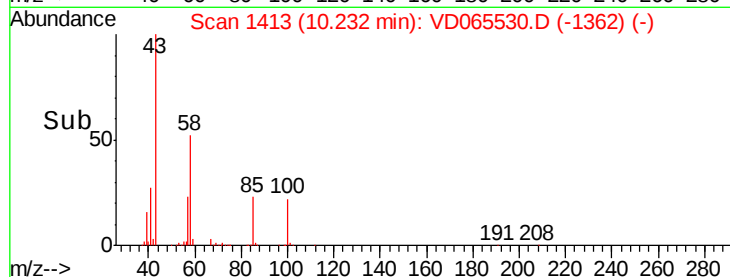
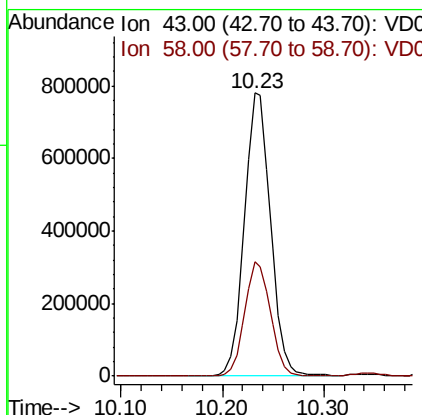
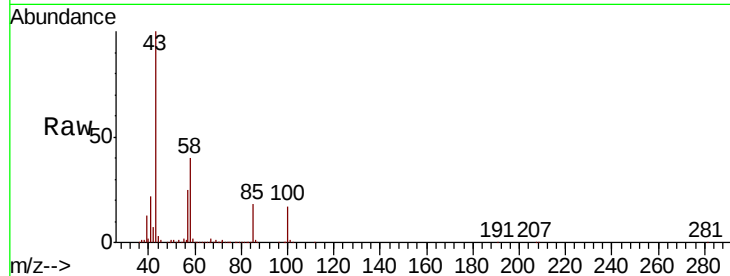
#51  
4-Methyl-2-Pentanone  
Concen: 520.996 ug/l  
RT: 10.23 min Scan# 1413  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion: 43 Resp: 1393987  
Ion Ratio Lower Upper  
43 100  
58 40.1 31.4 47.2

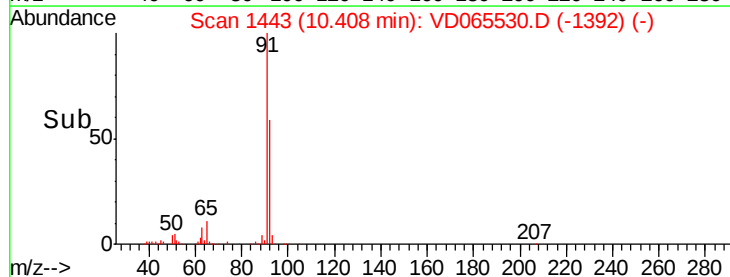
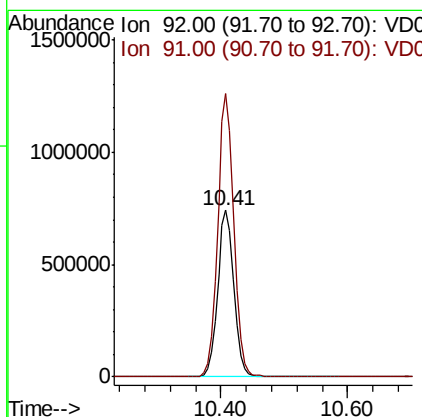
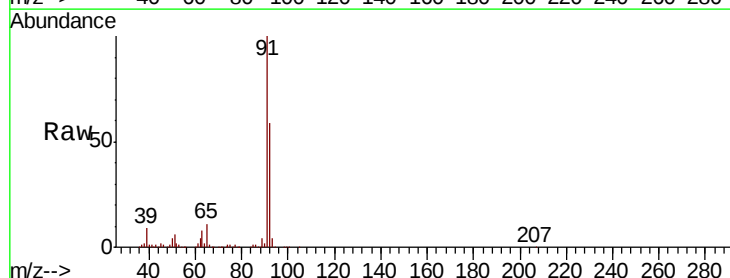
Manual Integrations  
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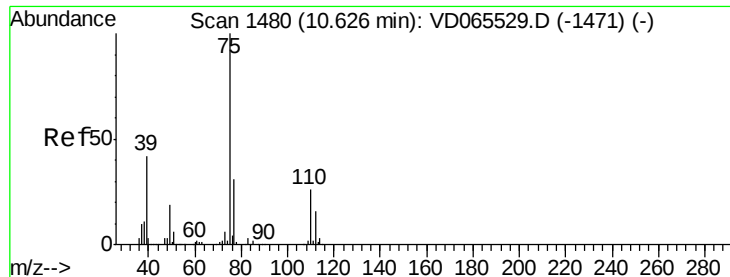
apatel  
3/27/2020 10:12:25 AM



#52  
Toluene  
Concen: 101.782 ug/l  
RT: 10.41 min Scan# 1443  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Tgt Ion: 92 Resp: 1331968  
Ion Ratio Lower Upper  
92 100  
91 168.9 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 105.468 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 671163

Ion Ratio Lower Upper

75 100

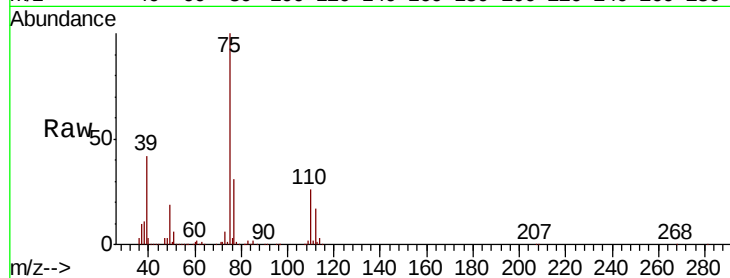
77 30.9 25.2 37.8

Manual Integrations

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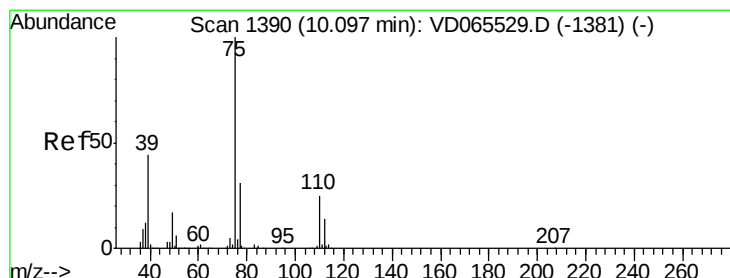
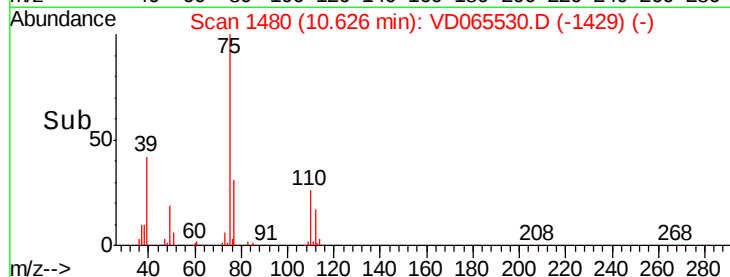
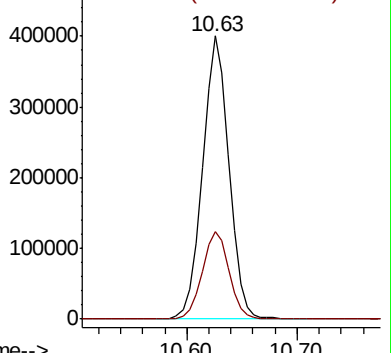
apatel

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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 105.559 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

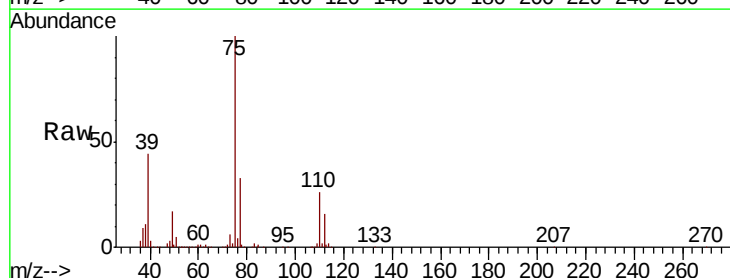
Tgt Ion: 75 Resp: 812348

Ion Ratio Lower Upper

75 100

77 32.7 24.6 36.8

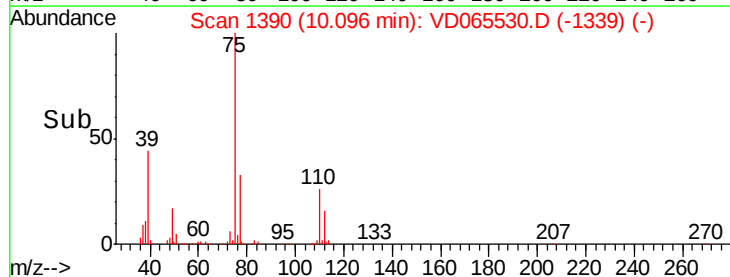
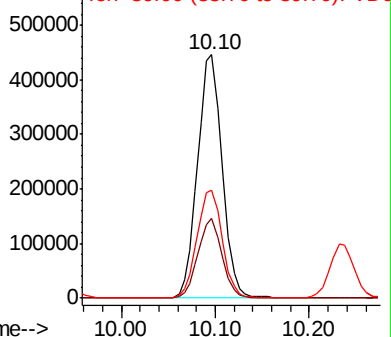
39 44.1 35.4 53.2

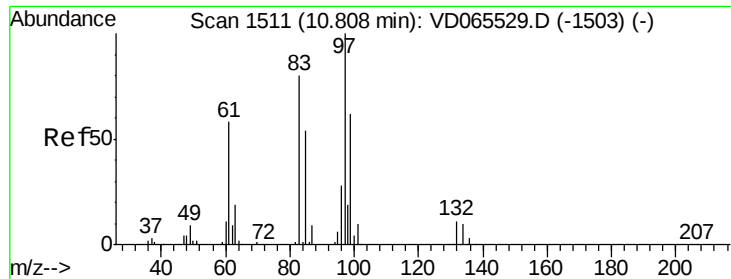


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 100.228 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

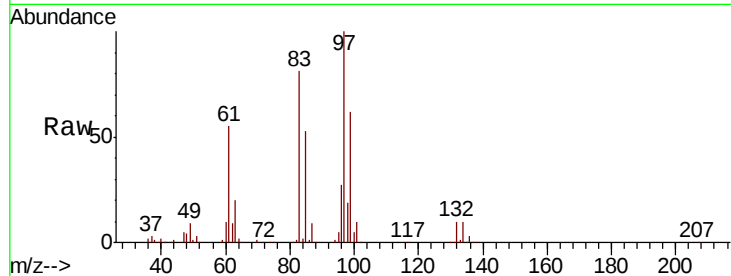
ClientSampleId :

VSTDIC100

| Tot Ion   | 97    | Resp  | 373146 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 83        | 81.2  | 63.8  | 95.6   |
| 85        | 52.8  | 42.9  | 64.3   |
| 99        | 61.9  | 49.9  | 74.9   |

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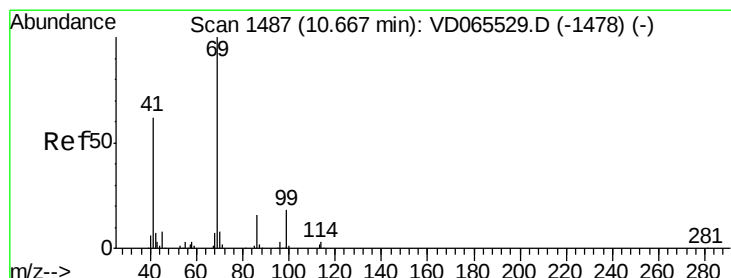
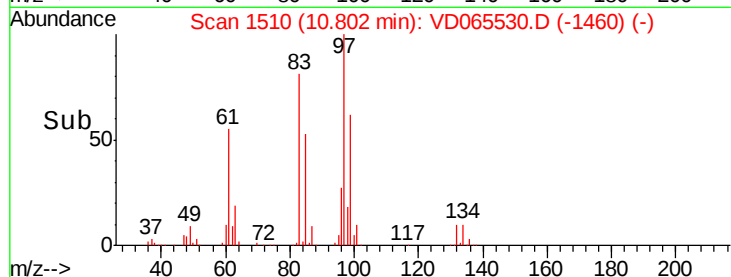
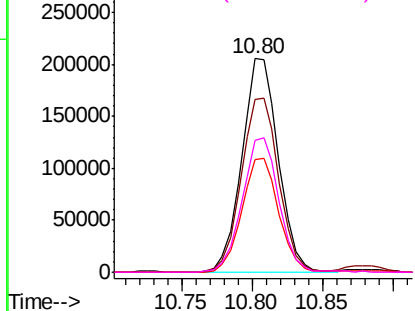
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 113.756 ug/l

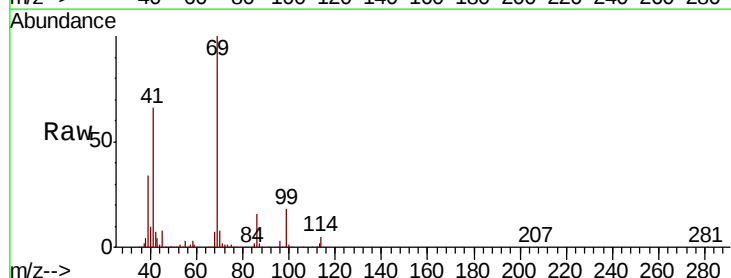
RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

| Tgt Ion   | 69    | Resp  | 476816 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 69        | 100   |       |        |
| 41        | 65.3  | 51.3  | 76.9   |
| 39        | 30.6  | 25.3  | 37.9   |

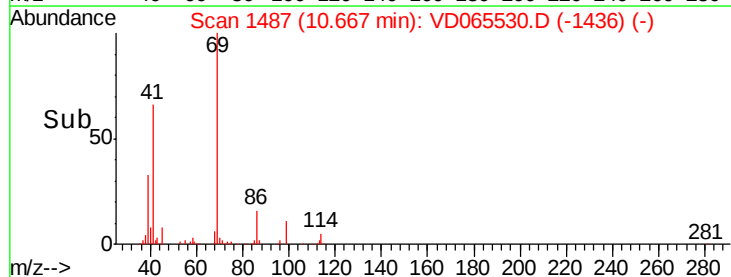
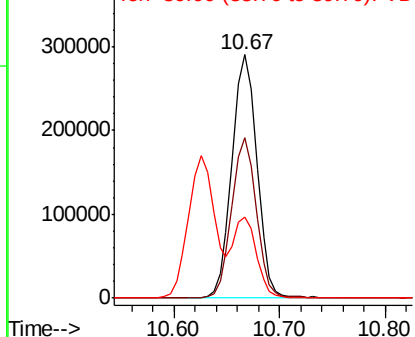


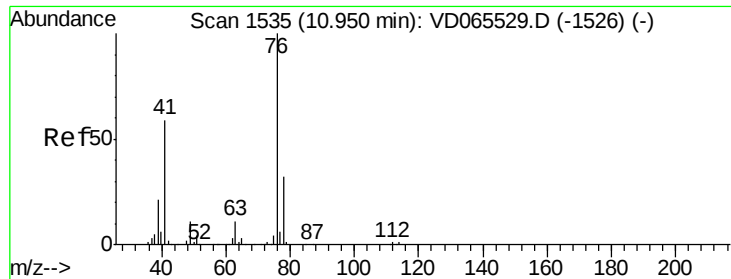
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





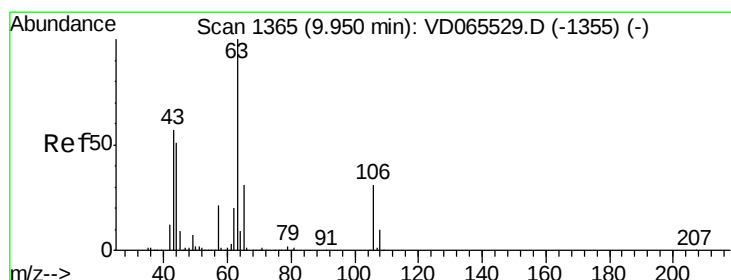
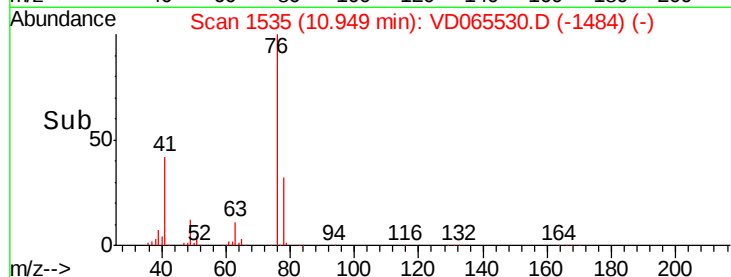
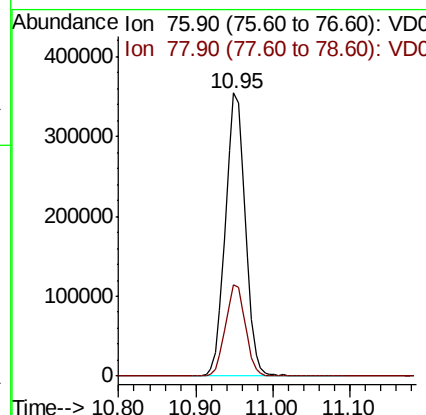
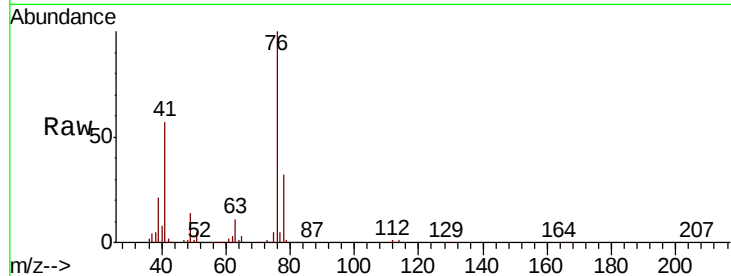
#57  
 1,3-Dichloropropane  
 Concen: 101.526 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. -0.00 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

Tot Ion: 76 Resp: 638833  
 Ion Ratio Lower Upper  
 76 100  
 78 32.5 25.7 38.5

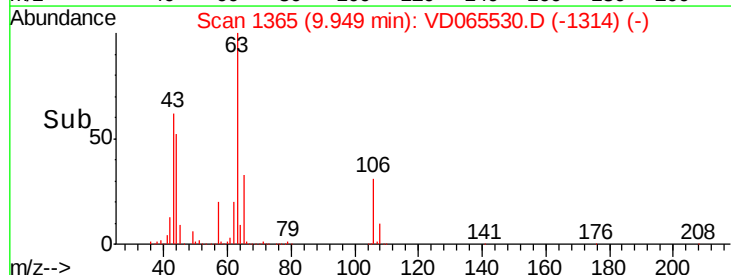
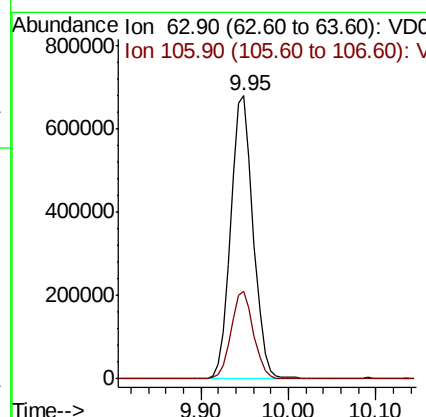
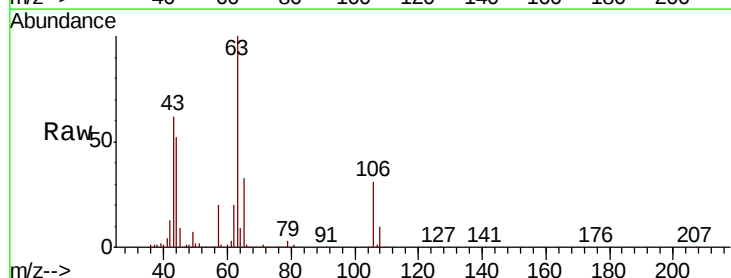
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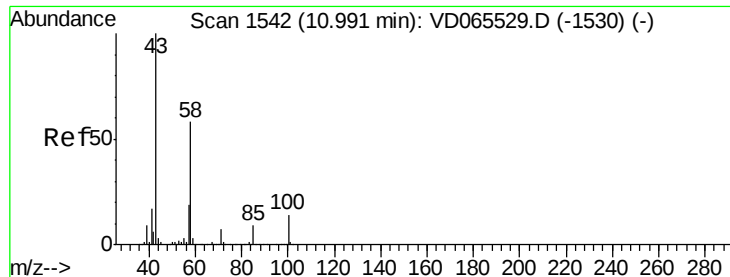
apatel  
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 779.748 ug/l  
 RT: 9.95 min Scan# 1365  
 Delta R.T. -0.00 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

Tgt Ion: 63 Resp: 1194511  
 Ion Ratio Lower Upper  
 63 100  
 106 30.6 24.3 36.5





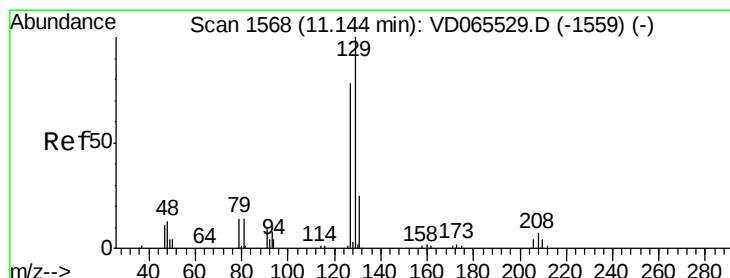
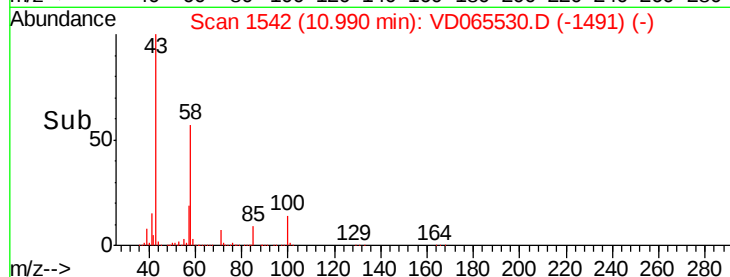
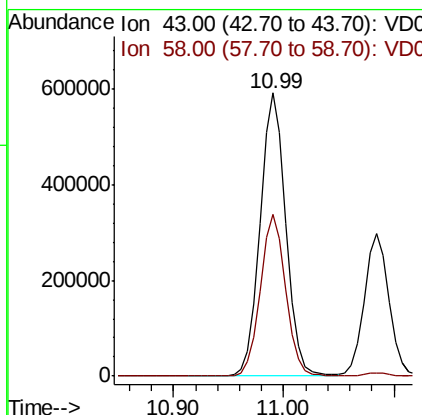
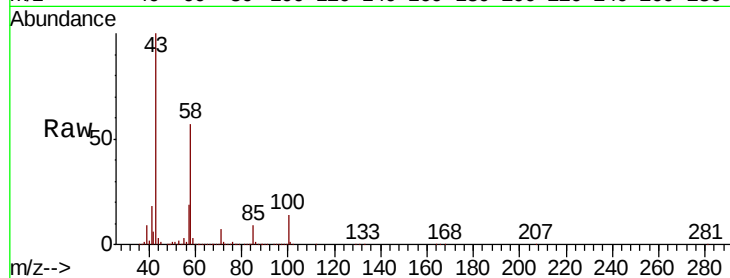
#59  
2-Hexanone  
Concen: 523.066 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion: 43 Resp: 966095  
Ion Ratio Lower Upper  
43 100  
58 56.4 27.9 83.7

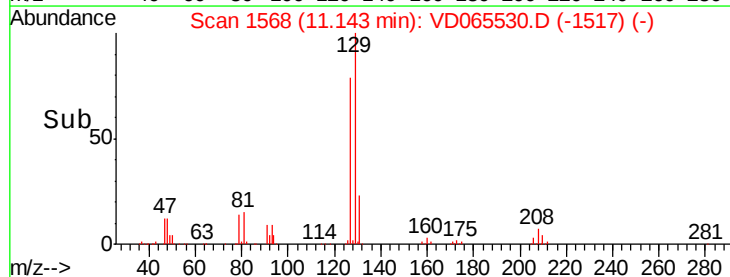
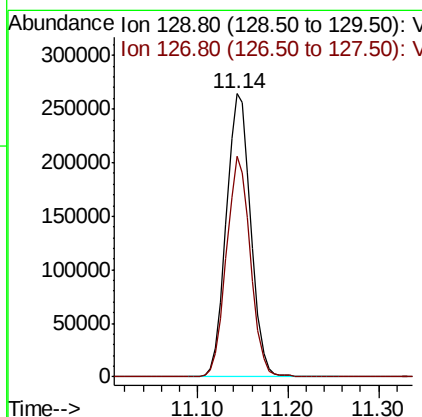
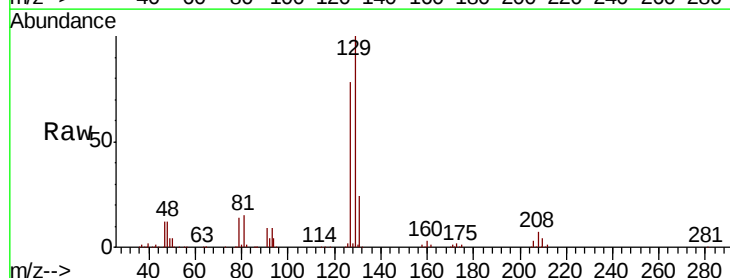
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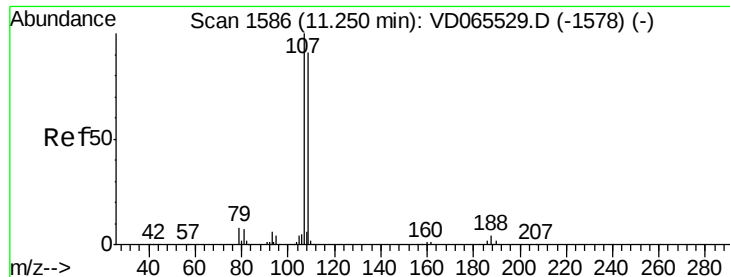
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#60  
Dibromochloromethane  
Concen: 103.588 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Tgt Ion: 129 Resp: 495317  
Ion Ratio Lower Upper  
129 100  
127 76.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 103.071 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 367385

Ion Ratio Lower Upper

107 100

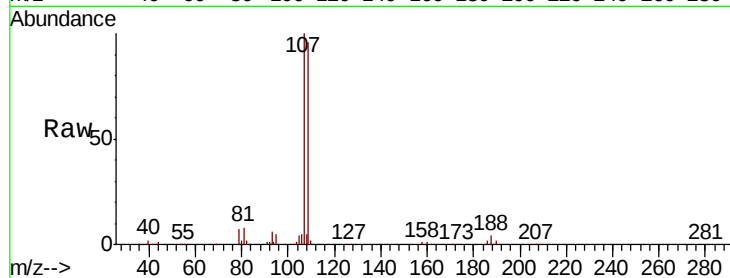
109 94.2 74.9 112.3

Manual Integrations

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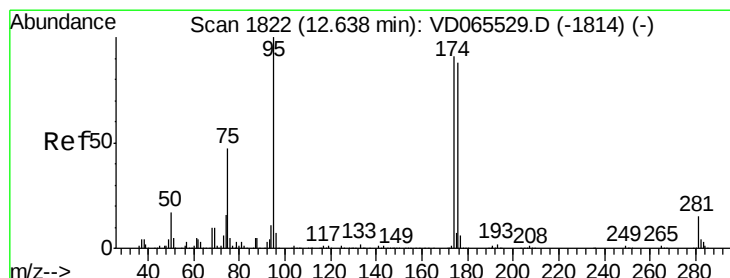
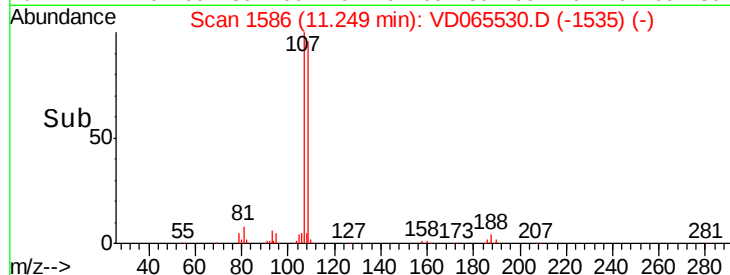
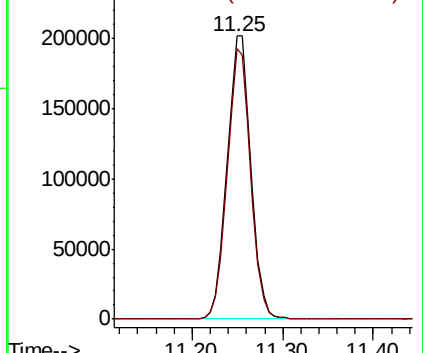
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 105.825 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

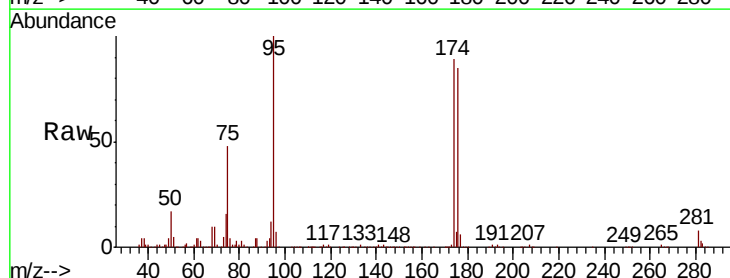
Tgt Ion: 95 Resp: 604344

Ion Ratio Lower Upper

95 100

174 91.8 0.0 183.8

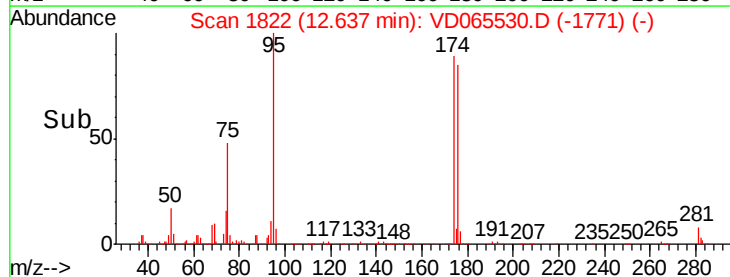
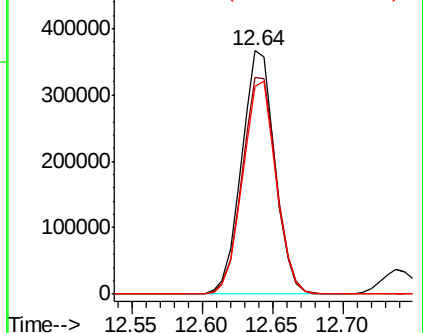
176 88.1 0.0 178.2

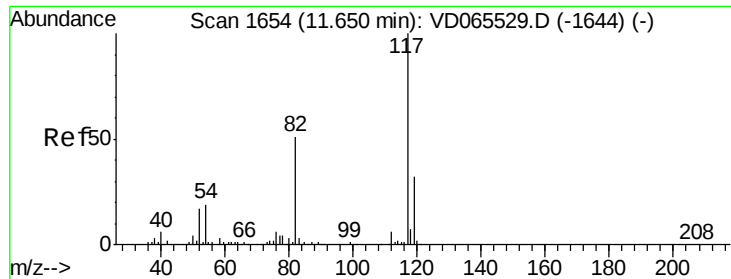


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





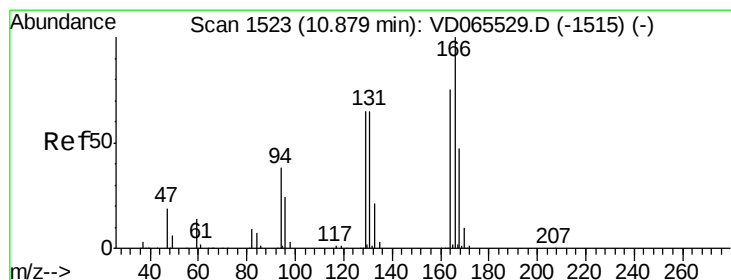
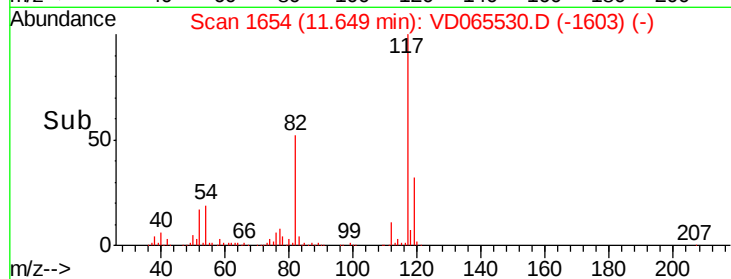
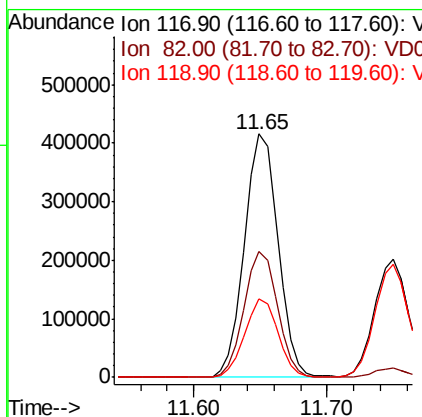
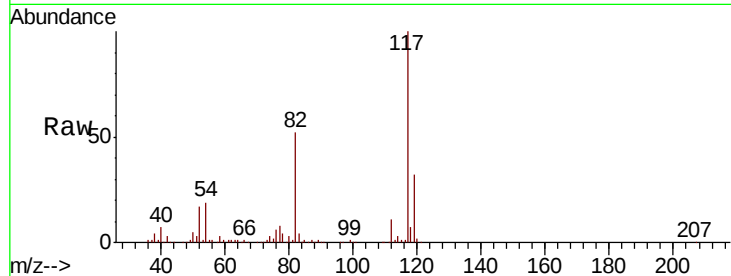
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.9  | 41.0  | 61.6  |
| 119     | 32.2  | 25.5  | 38.3  |

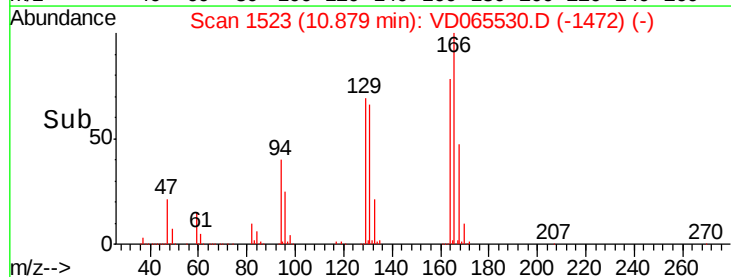
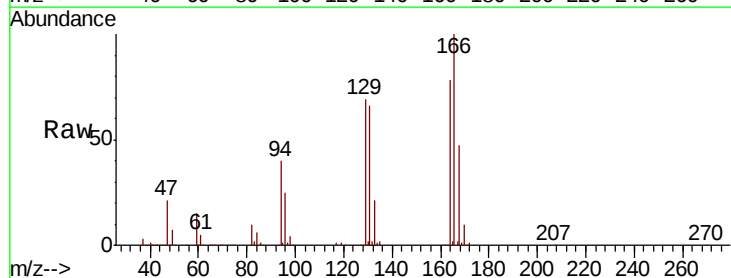
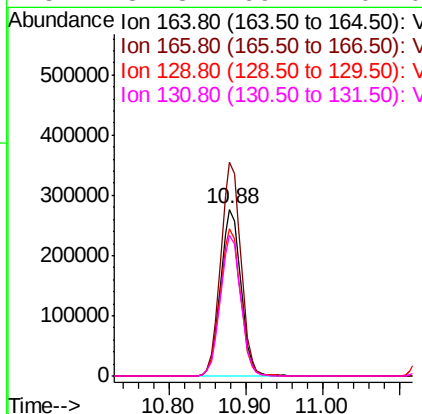
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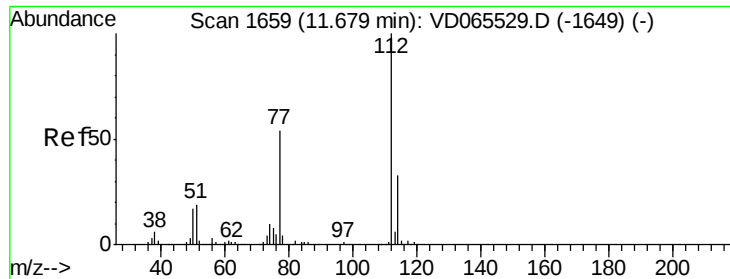
apatel  
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#64  
Tetrachloroethene  
Concen: 98.178 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.3 | 107.1 | 160.7 |
| 129     | 88.6  | 69.2  | 103.8 |
| 131     | 84.3  | 69.4  | 104.0 |





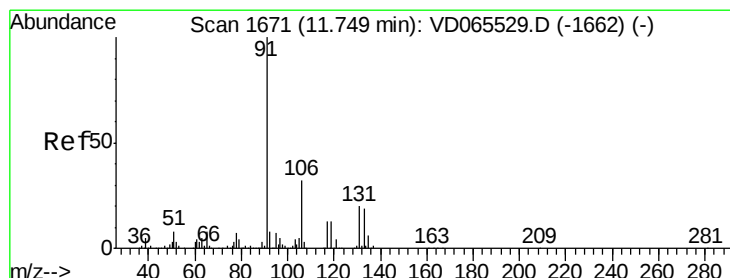
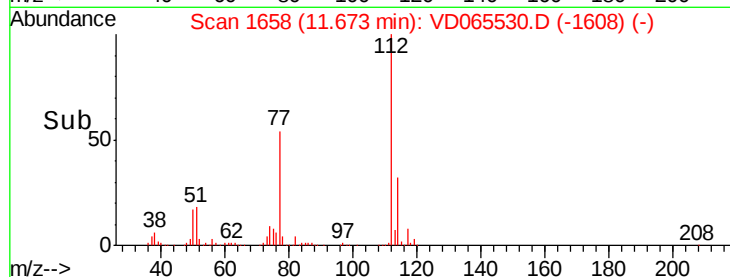
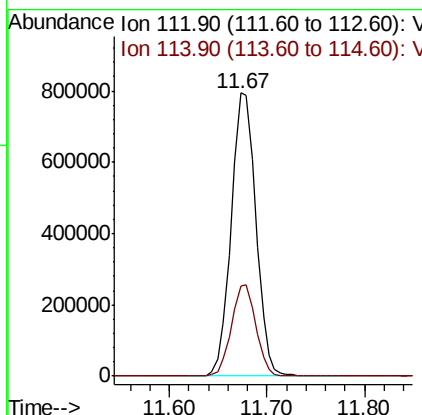
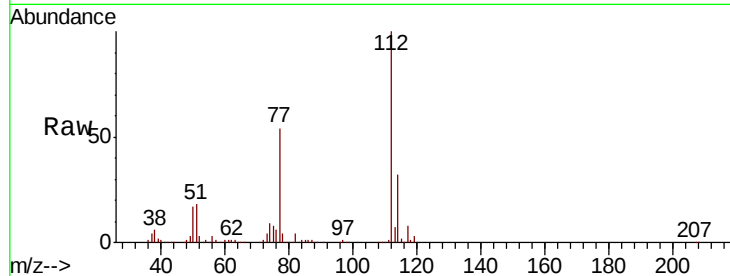
#65  
Chlorobenzene  
Concen: 98.444 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. -0.01 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

Tot Ion:112 Resp: 1400758  
Ion Ratio Lower Upper  
112 100  
114 32.0 26.0 39.0

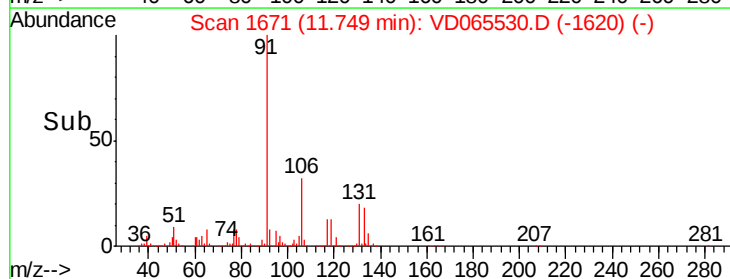
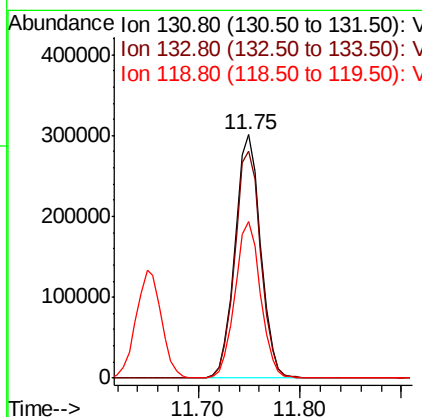
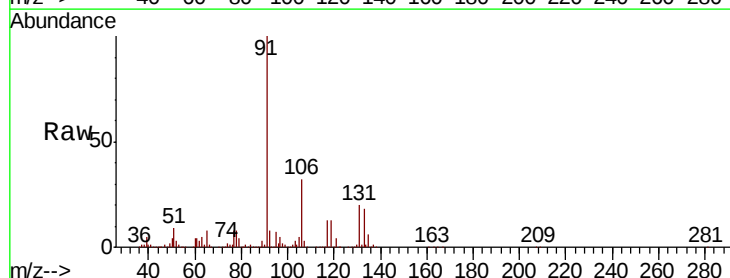
Manual Integrations  
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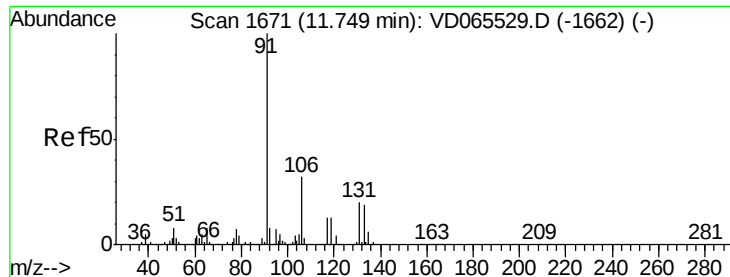
apatel  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 101.397 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Tgt Ion:131 Resp: 528442  
Ion Ratio Lower Upper  
131 100  
133 94.8 48.9 146.7  
119 64.1 32.5 97.4





#67

Ethyl Benzene

Concen: 102.033 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2499479

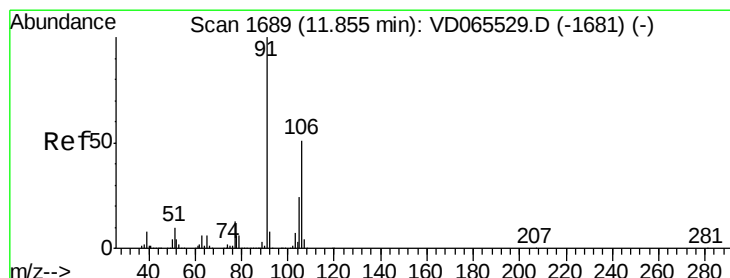
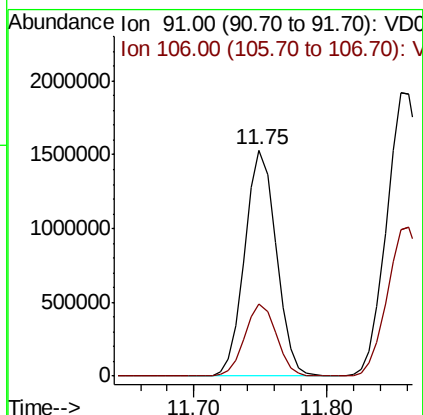
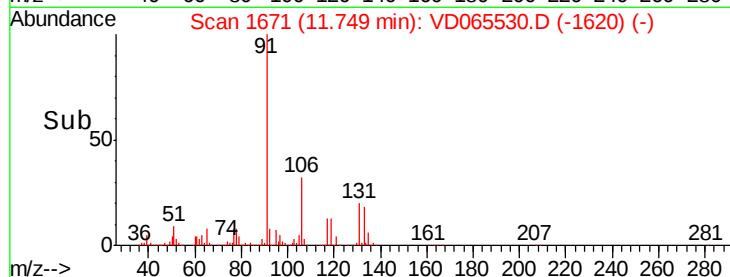
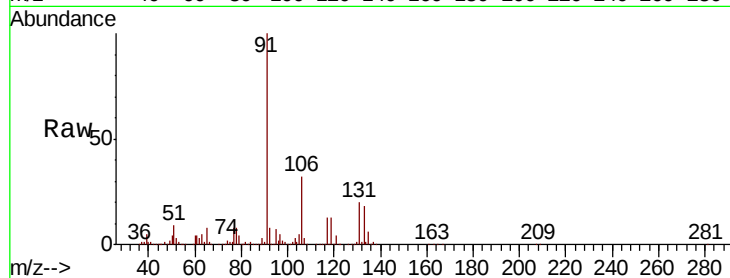
Ion Ratio Lower Upper

91 100

106 32.0 25.4 38.0

Manual Integrations  
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#68

m/p-Xylenes

Concen: 207.442 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065530.D

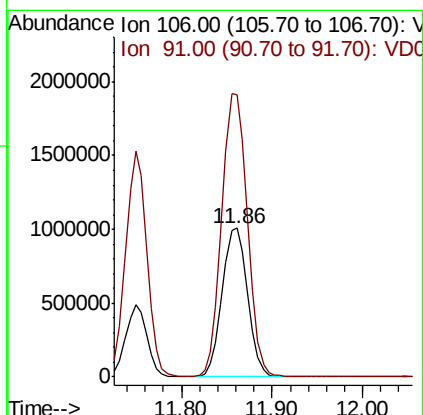
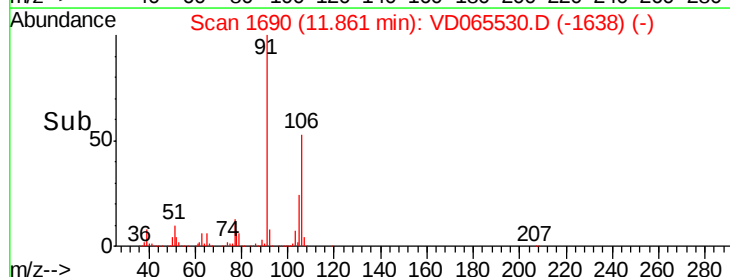
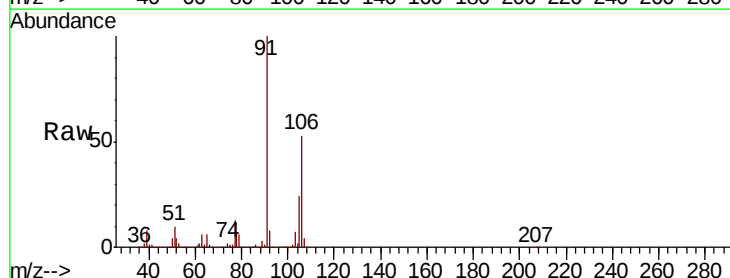
Acq: 26 Mar 2020 17:30

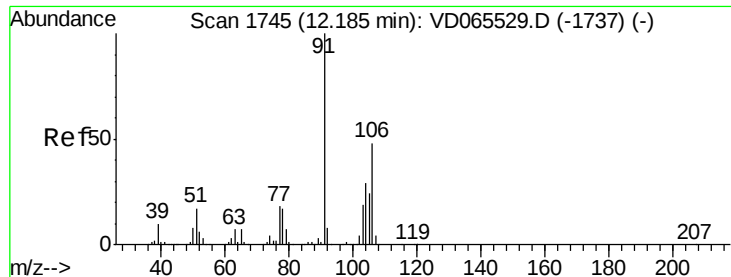
Tgt Ion: 106 Resp: 1961182

Ion Ratio Lower Upper

106 100

91 192.4 155.4 233.0





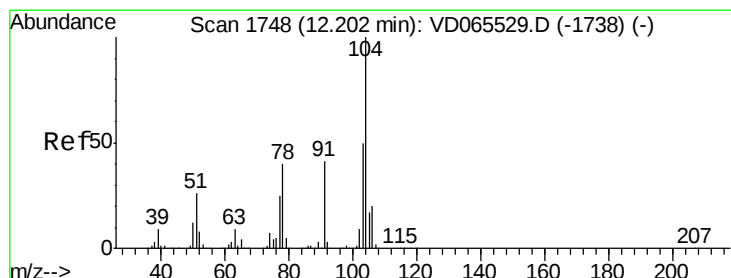
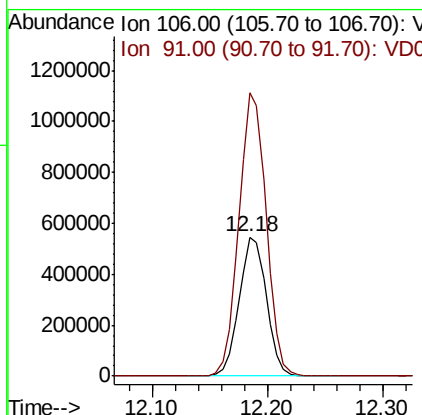
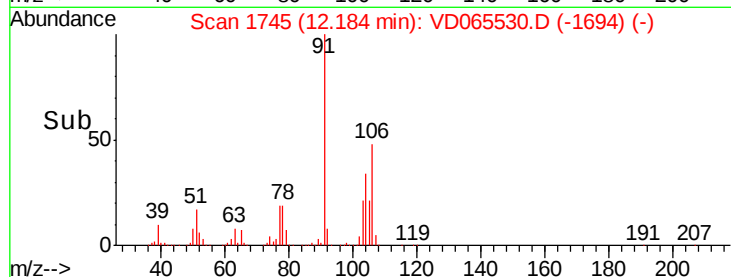
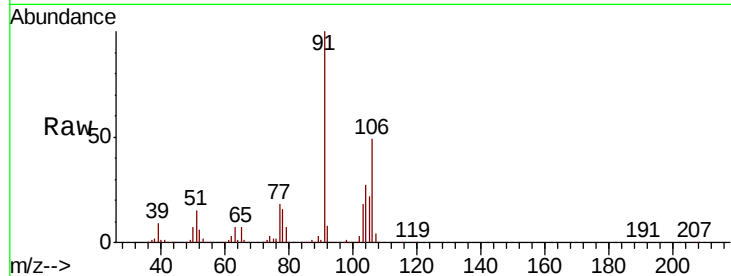
#69  
o-Xylene  
Concen: 107.473 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion:106 Resp: 894230  
Ion Ratio Lower Upper  
106 100  
91 204.3 102.8 308.4

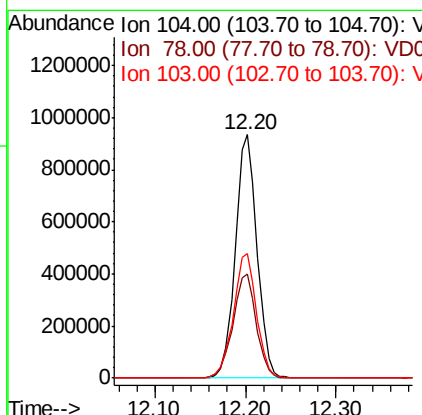
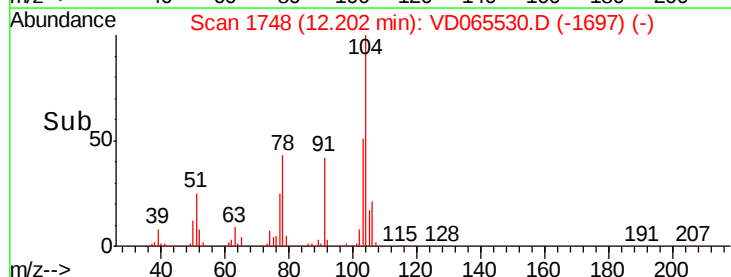
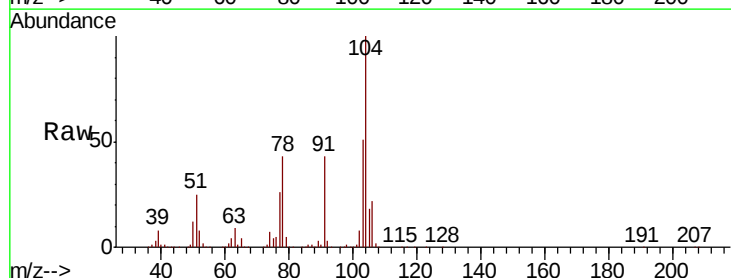
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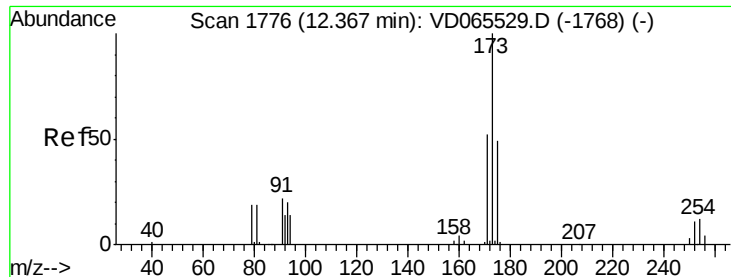
apatel  
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#70  
Styrene  
Concen: 105.956 ug/l  
RT: 12.20 min Scan# 1748  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Tgt Ion:104 Resp: 1556900  
Ion Ratio Lower Upper  
104 100  
78 46.2 36.6 55.0  
103 54.5 43.8 65.6





#71

Bromoform

Concen: 101.630 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

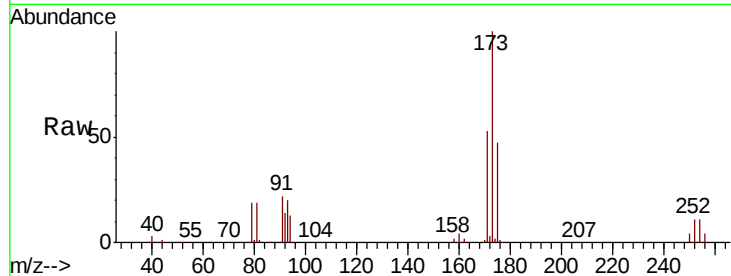
ClientSampleId :

VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.7  | 24.3  | 72.8  |
| 254     | 0.2   | 0.0   | 0.0   |

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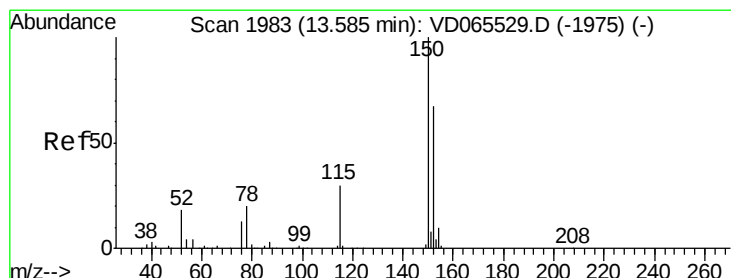
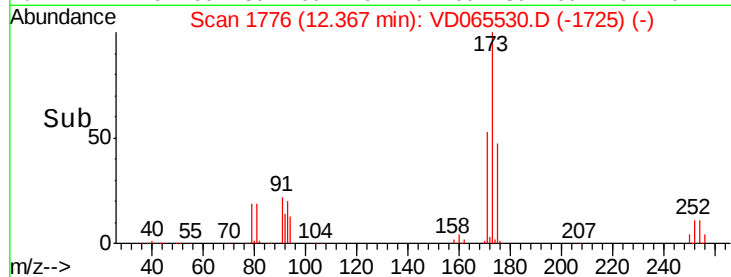
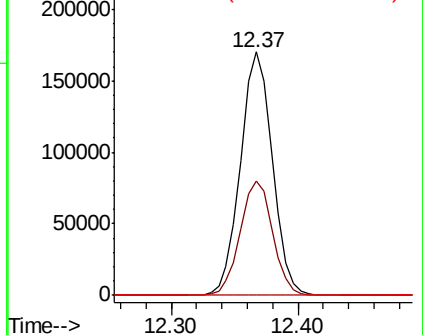


Abundance

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

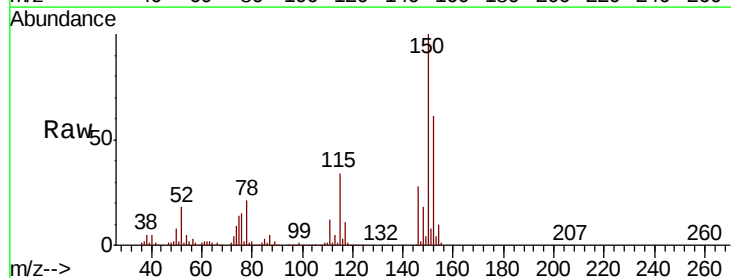
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.1  | 27.2  | 81.6  |
| 150     | 187.3 | 0.0   | 340.2 |

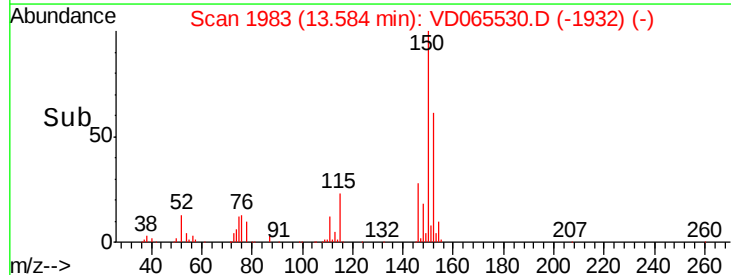
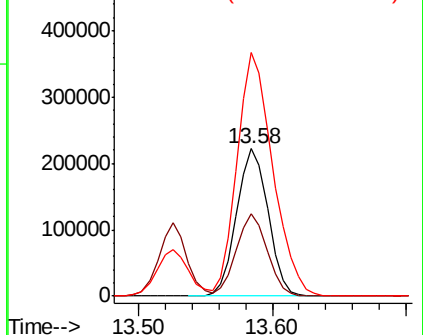


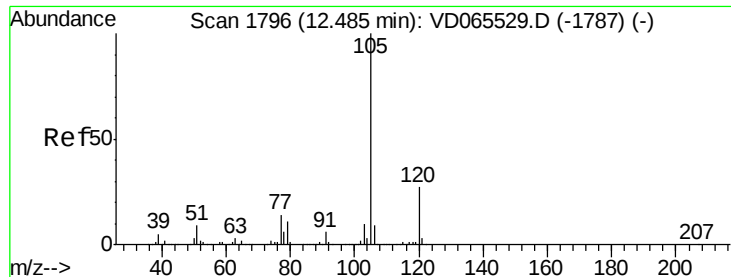
Abundance

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: 102.023 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2385990

Ion Ratio Lower Upper

105 100

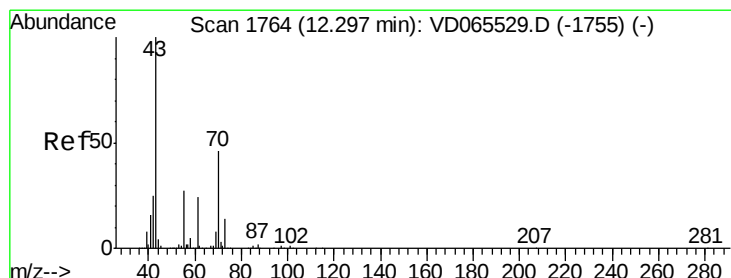
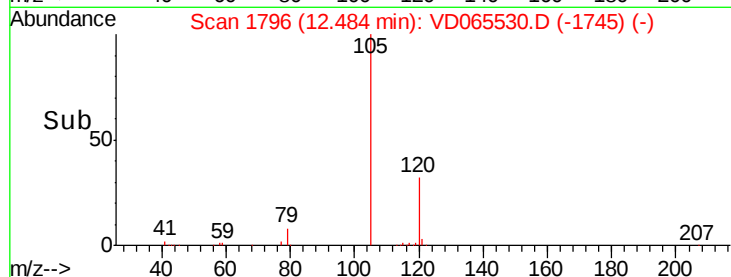
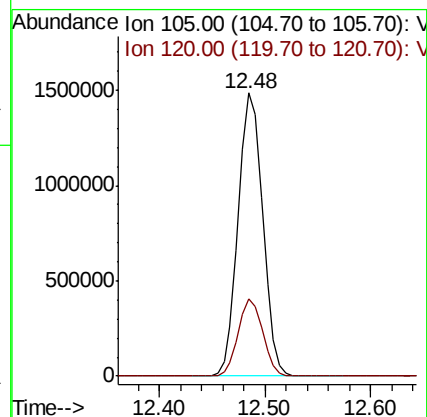
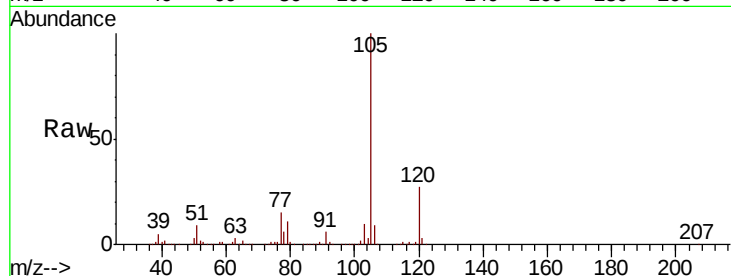
120 27.1 13.7 41.0

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#74

N-ethyl acetate

Concen: 104.594 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Tgt Ion: 43 Resp: 501367

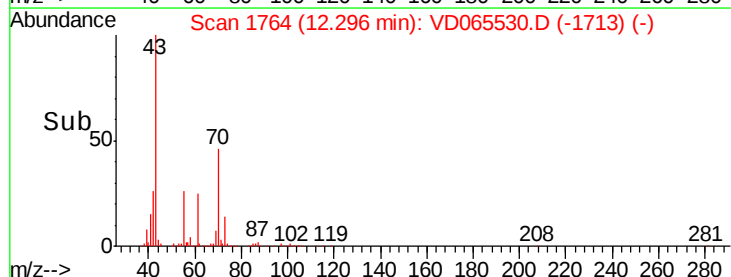
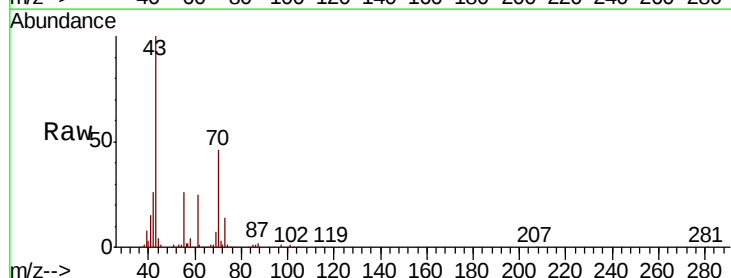
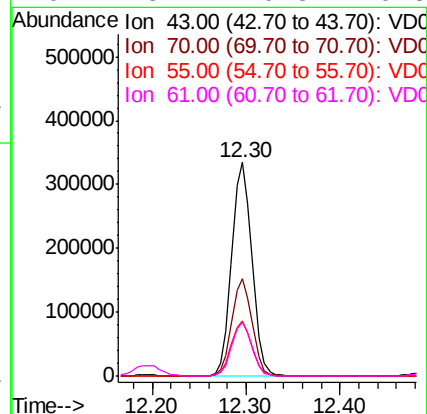
Ion Ratio Lower Upper

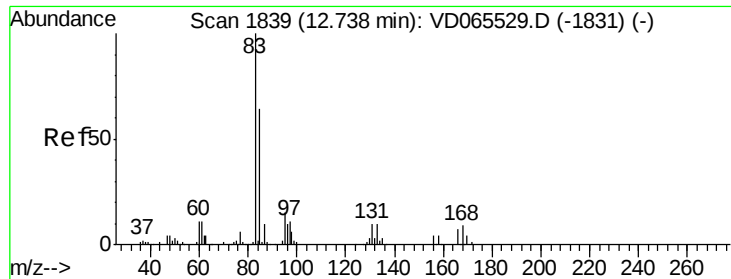
43 100

70 45.6 36.2 54.2

55 26.3 22.2 33.4

61 25.1 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 93.011 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

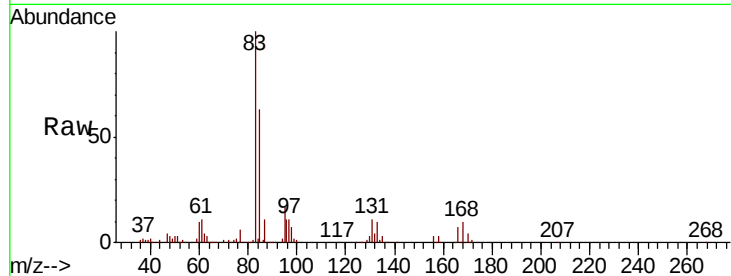
ClientSampleId :

VSTDIC100

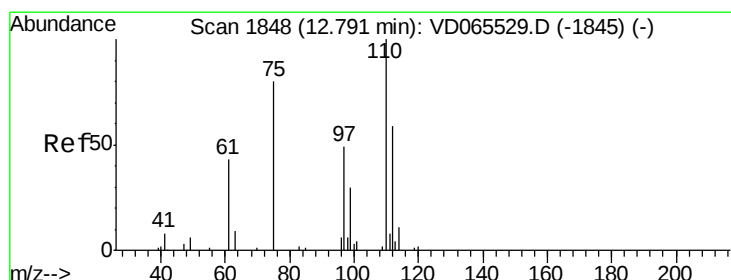
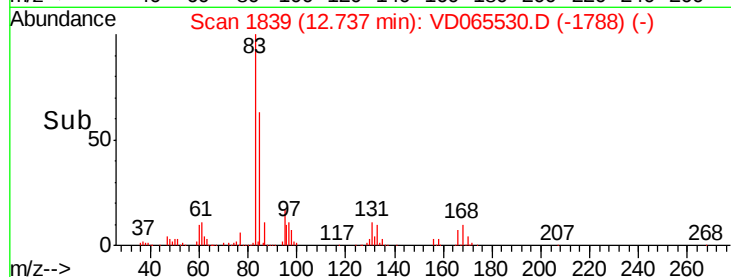
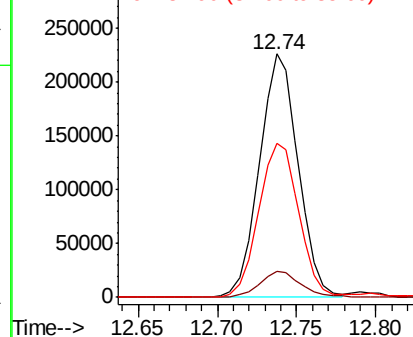
| Tot Ion   | 83    | Resp  | 384308 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.4  | 5.6   | 16.8   |
| 85        | 65.4  | 32.6  | 98.0   |

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Abundance Ion 82.90 (82.60 to 83.60): VDC  
Ion 130.80 (130.50 to 131.50): VDC  
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 92.287 ug/l m

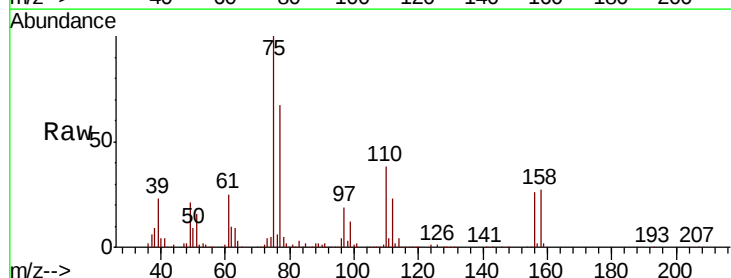
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

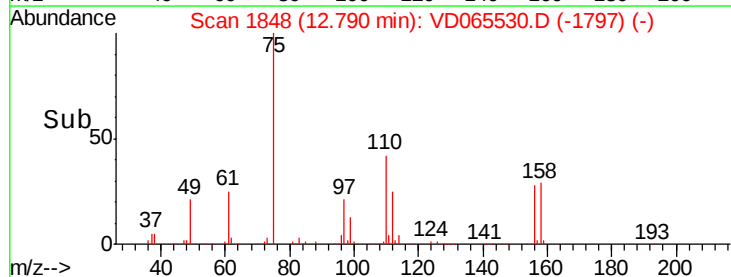
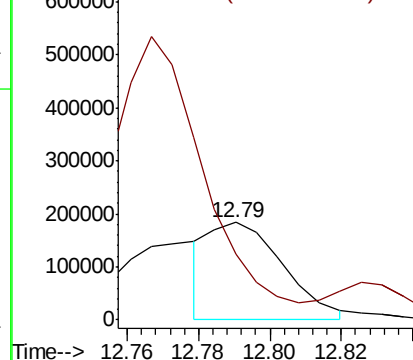
Lab File: VD065530.D

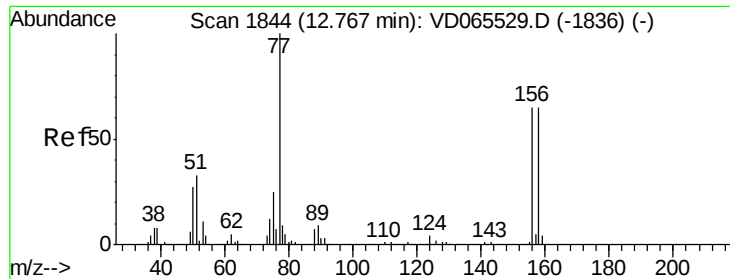
Acq: 26 Mar 2020 17:30

| Tgt Ion   | 75    | Resp  | 266320 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |



Abundance Ion 74.90 (74.60 to 75.60): VDC  
Ion 77.00 (76.70 to 77.70): VDC





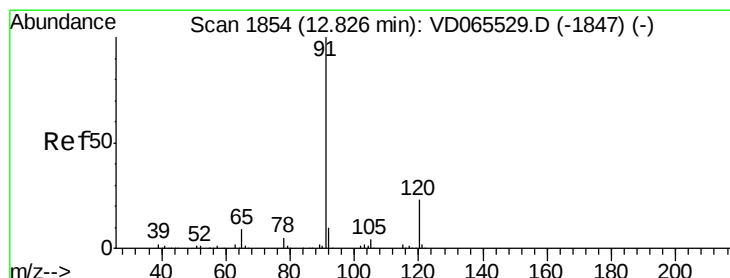
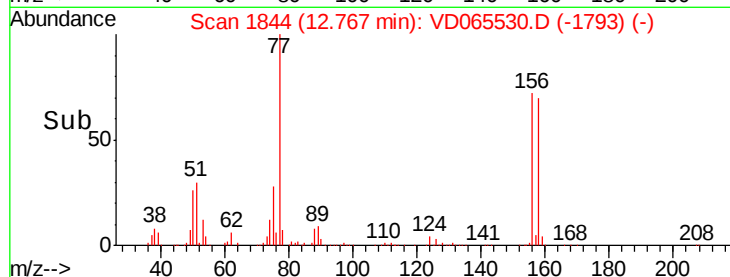
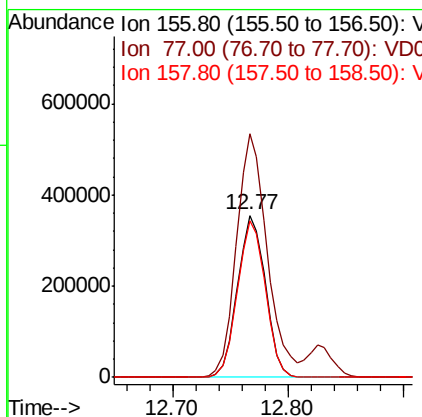
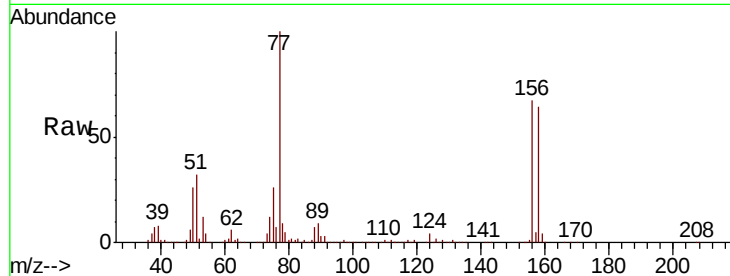
#77  
Bromobenzene  
Concen: 101.263 ug/l  
RT: 12.77 min Scan# 1844  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 164.7 | 81.8  | 245.3 |
| 158     | 97.3  | 49.1  | 147.4 |

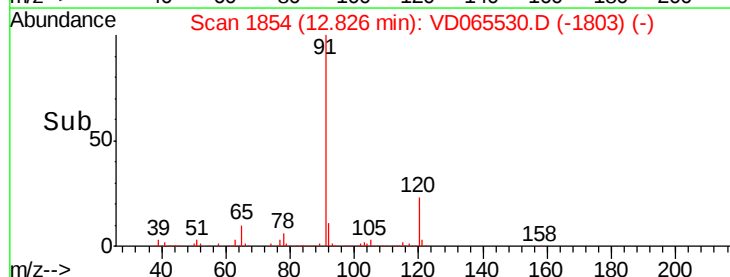
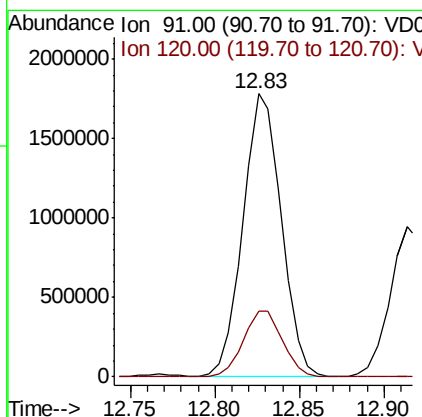
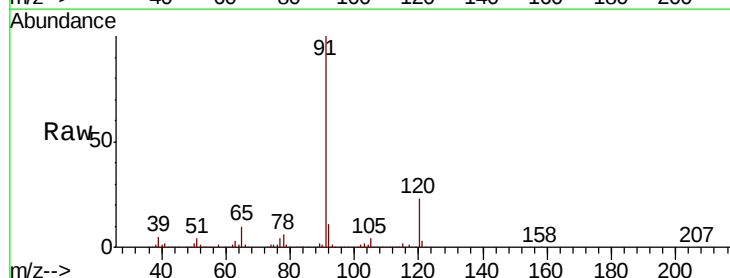
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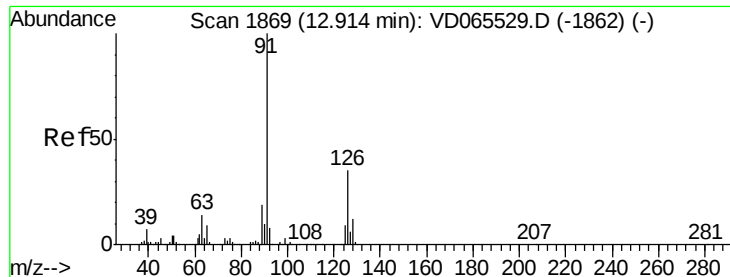
apatel  
3/27/2020 10:12:25 AM



#78  
n-propylbenzene  
Concen: 101.011 ug/l  
RT: 12.83 min Scan# 1854  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.8  | 11.8  | 35.4  |





#79

2-Chlorotoluene

Concen: 99.132 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1559099

Ion Ratio Lower Upper

91 100

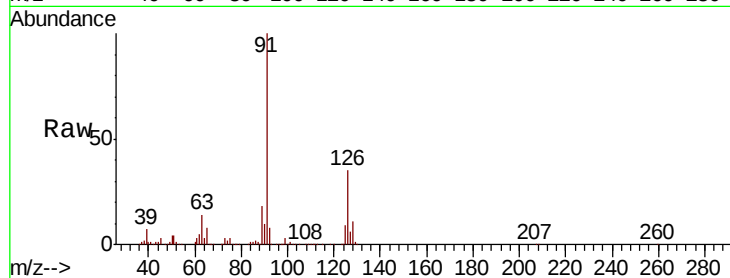
126 35.5 17.8 53.4

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

2000000

1500000

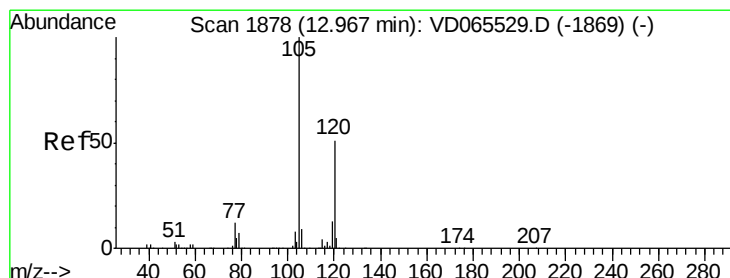
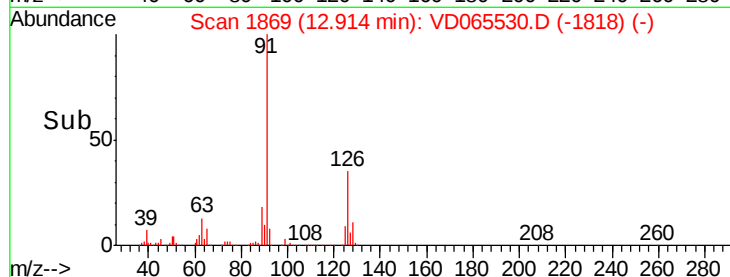
1000000

500000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 102.329 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065530.D

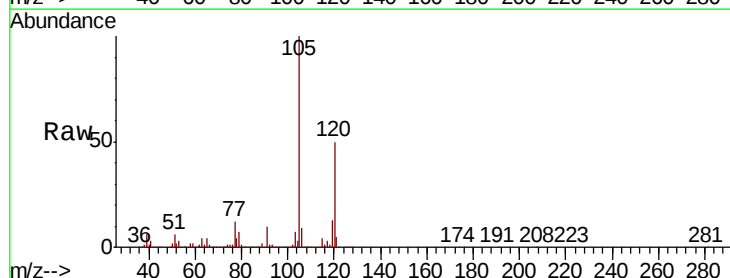
Acq: 26 Mar 2020 17:30

Tgt Ion:105 Resp: 1969087

Ion Ratio Lower Upper

105 100

120 51.3 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

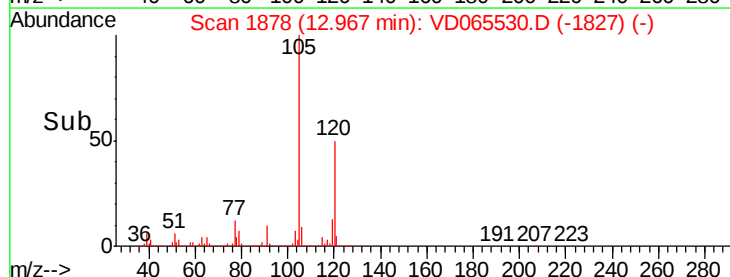
1000000

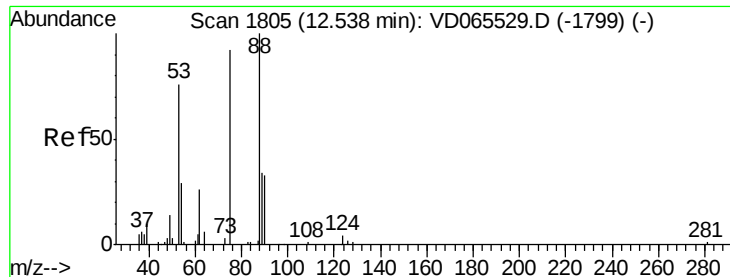
500000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 100.764 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 134876

Ion Ratio Lower Upper

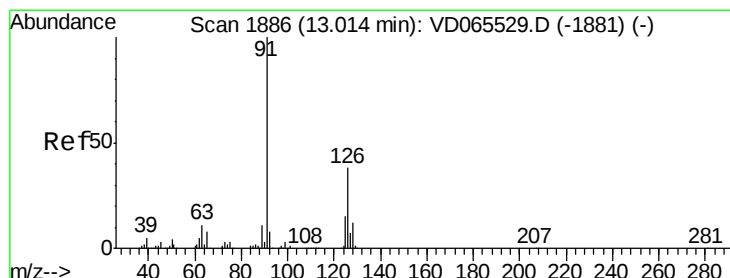
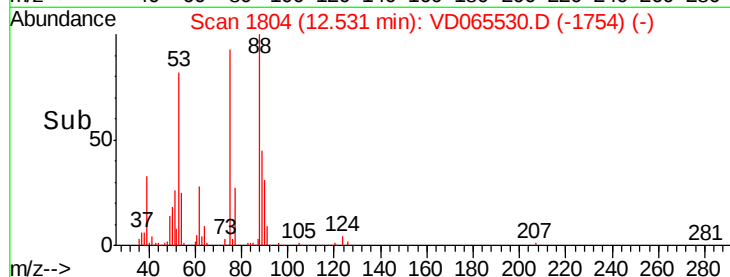
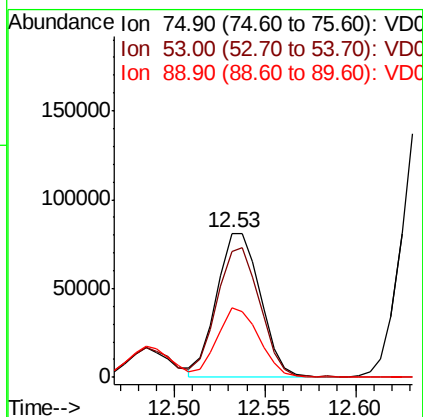
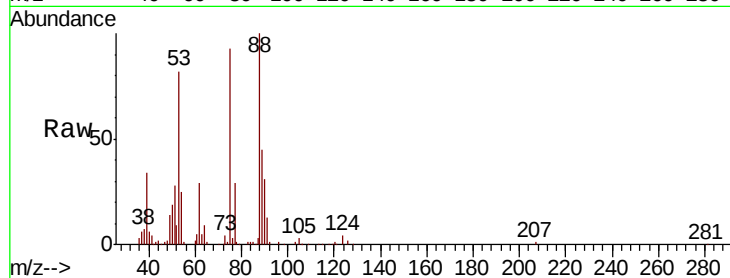
75 100

53 89.2 72.4 108.6

89 46.8 36.9 55.3

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#82

4-Chlorotoluene

Concen: 98.320 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065530.D

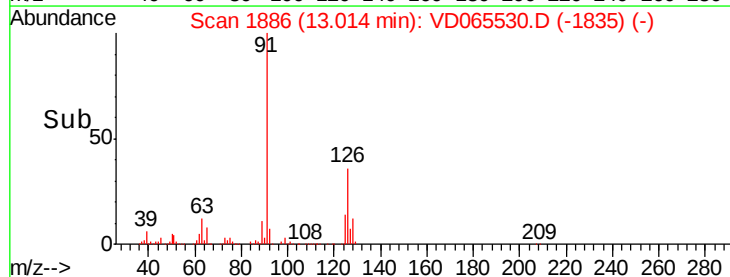
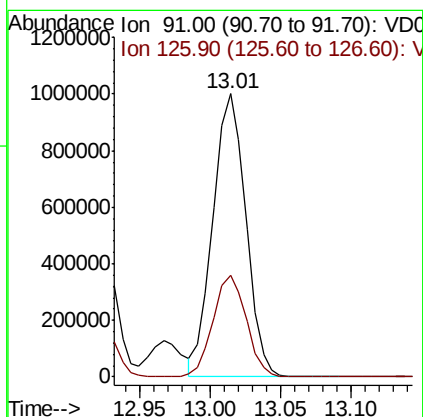
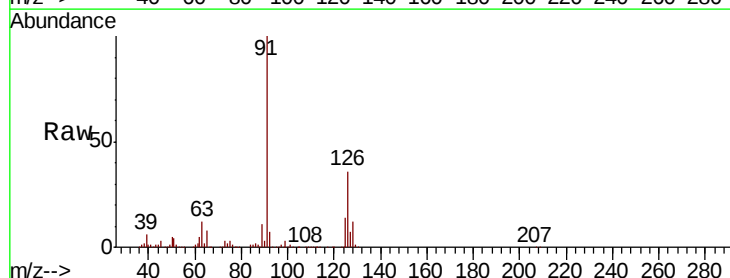
Acq: 26 Mar 2020 17:30

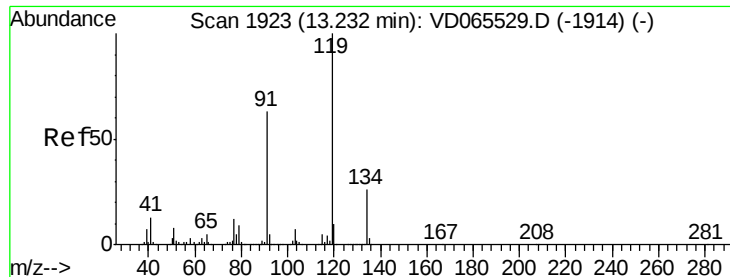
Tgt Ion: 91 Resp: 1623503

Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.7





#83

tert-Butylbenzene

Concen: 103.022 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1680886

Ion Ratio Lower Upper

119 100

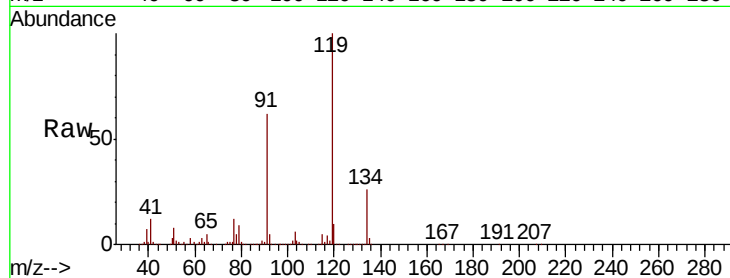
91 61.9 31.4 94.0

134 28.1 13.9 41.6

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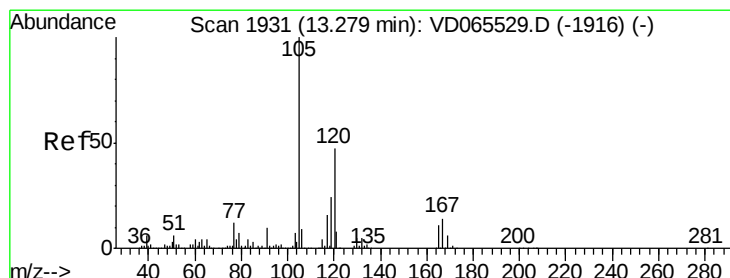
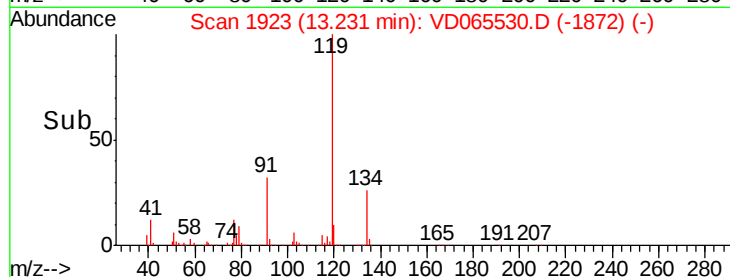
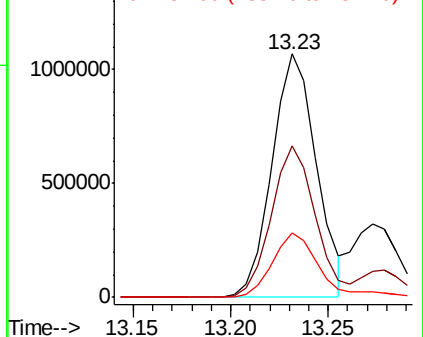
3/27/2020 10:12:25 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 102.922 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VD065530.D

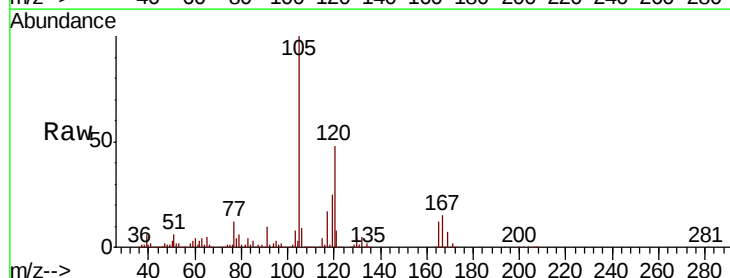
Acq: 26 Mar 2020 17:30

Tgt Ion:105 Resp: 1957195

Ion Ratio Lower Upper

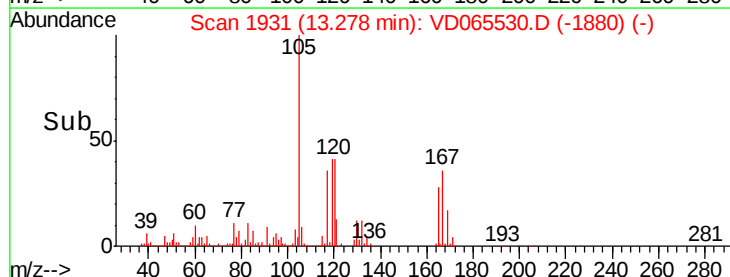
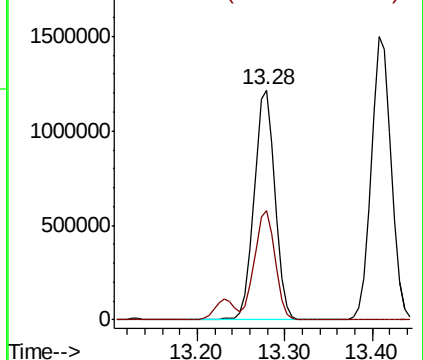
105 100

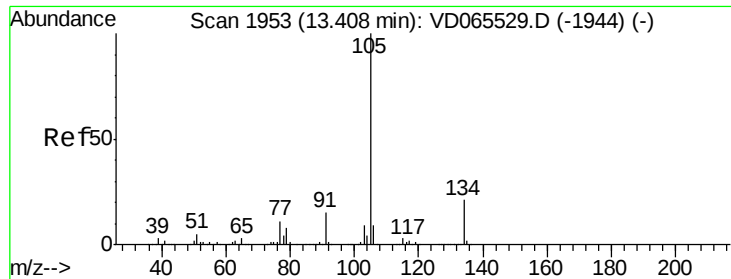
120 47.5 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 101.822 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2361826

Ion Ratio Lower Upper

105 100

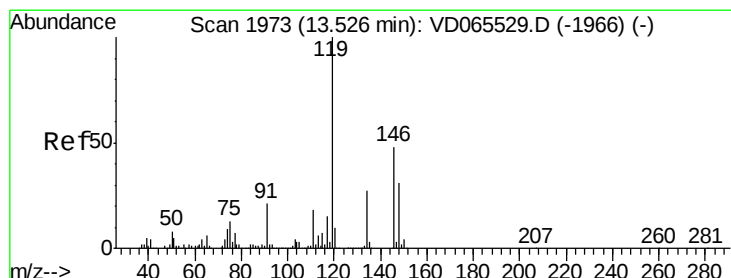
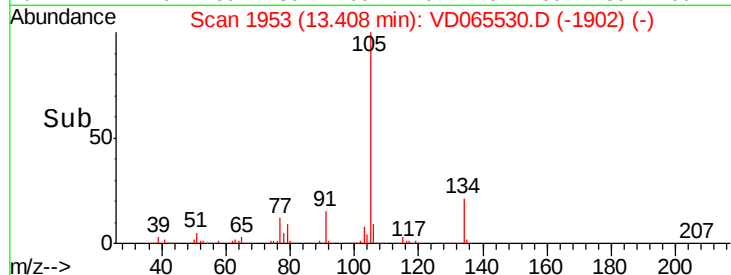
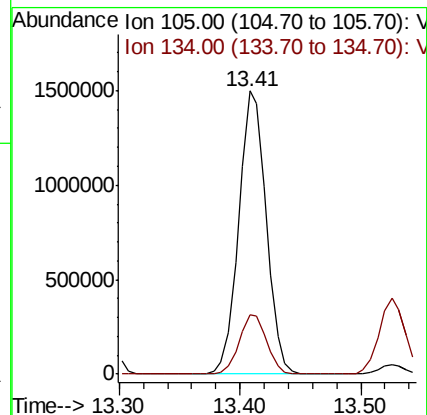
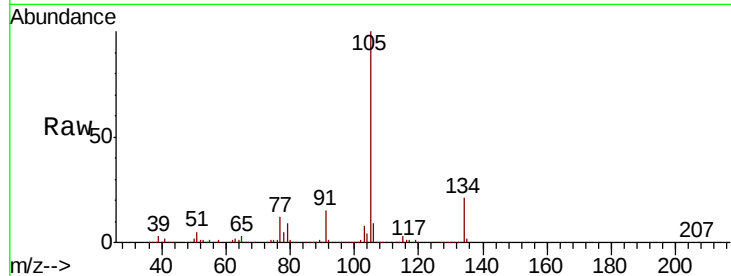
134 21.2 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 103.605 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

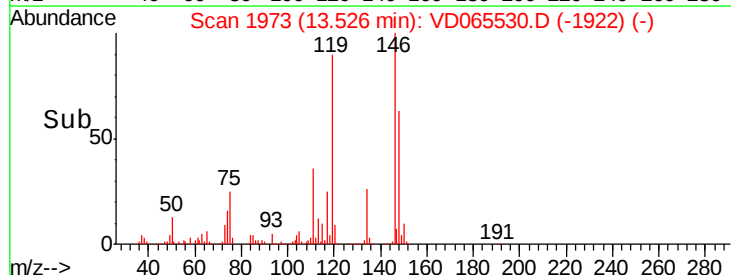
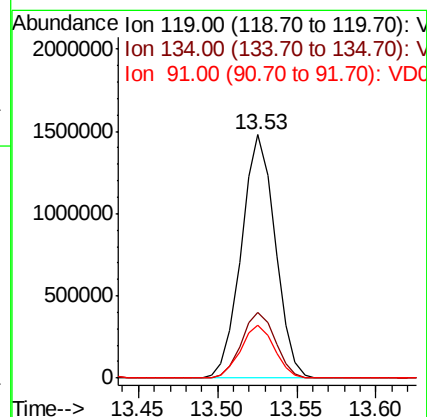
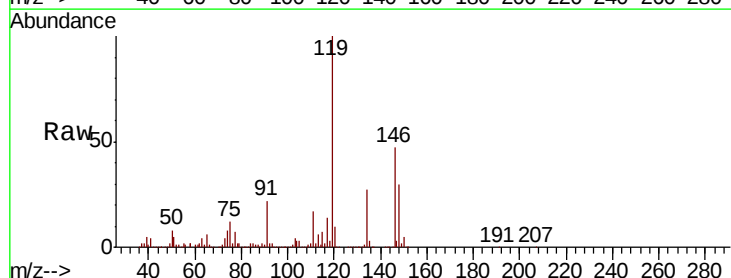
Tgt Ion:119 Resp: 2195518

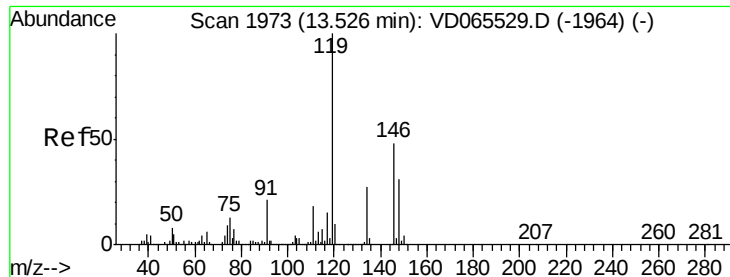
Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.5

91 21.7 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 98.626 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1113437

Ion Ratio Lower Upper

146 100

111 37.0 18.5 55.5

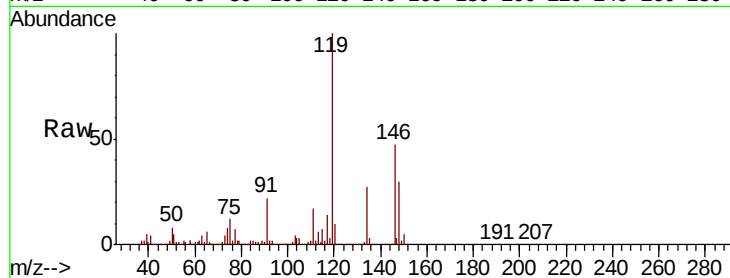
148 64.5 31.8 95.4

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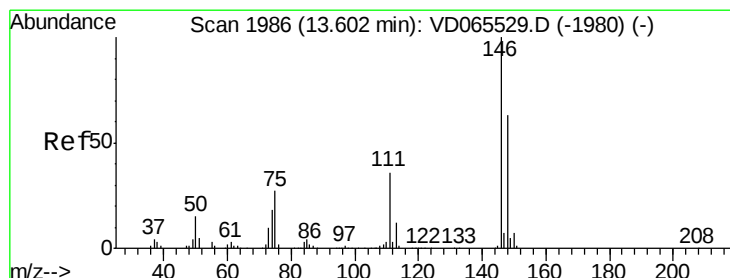
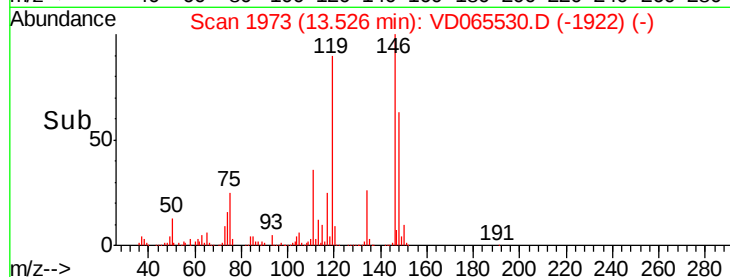
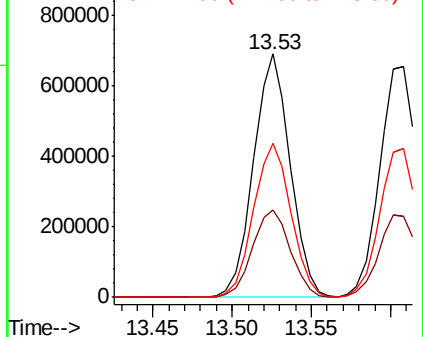
3/27/2020 10:12:25 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 97.297 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065530.D

Acq: 26 Mar 2020 17:30

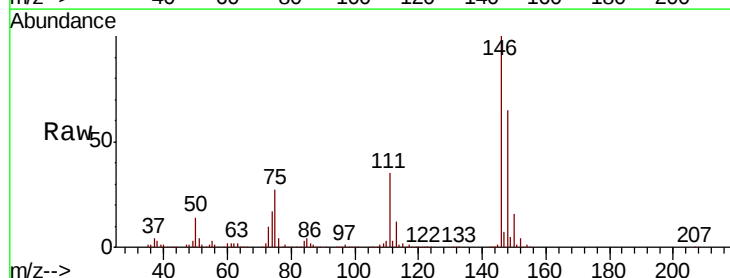
Tgt Ion:146 Resp: 1093486

Ion Ratio Lower Upper

146 100

111 35.9 18.0 54.0

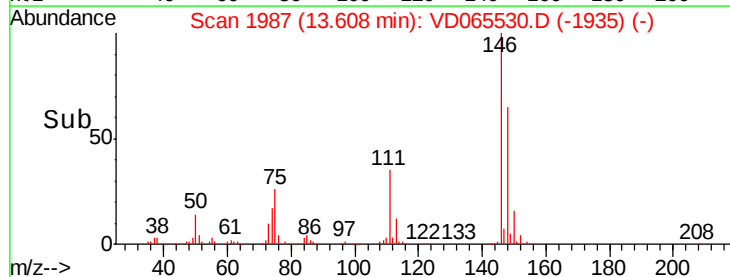
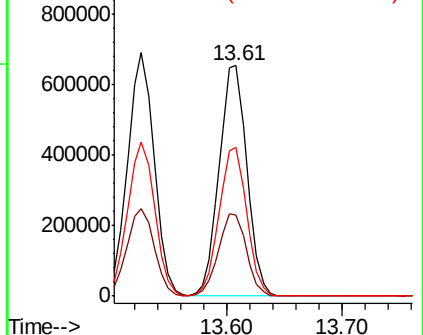
148 64.2 31.6 94.8

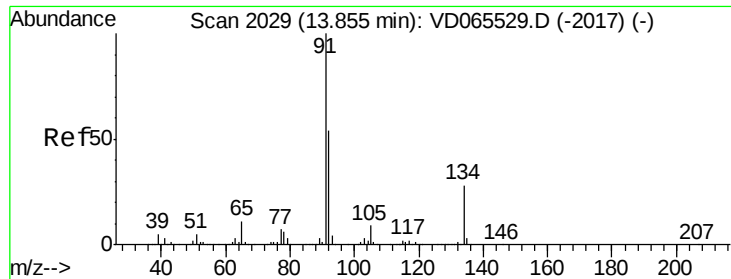


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





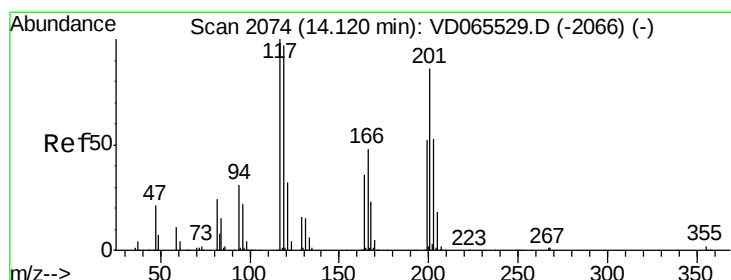
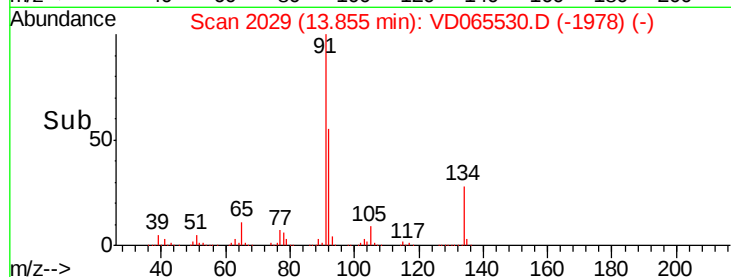
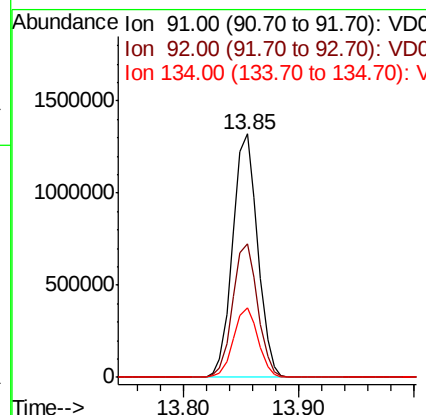
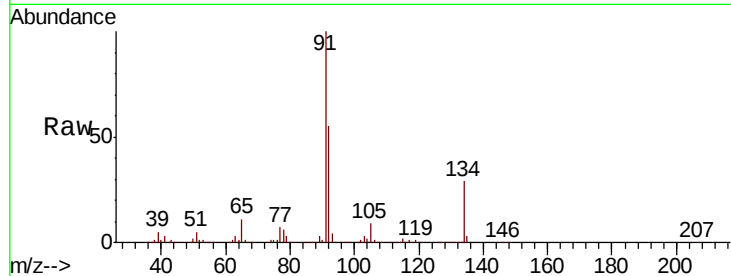
#89  
n-Butylbenzene  
Concen: 101.461 ug/l  
RT: 13.85 min Scan# 2029  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.9  | 26.8  | 80.4  |
| 134     | 28.2  | 13.7  | 41.0  |

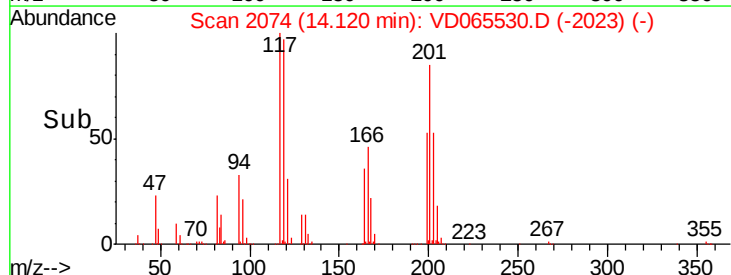
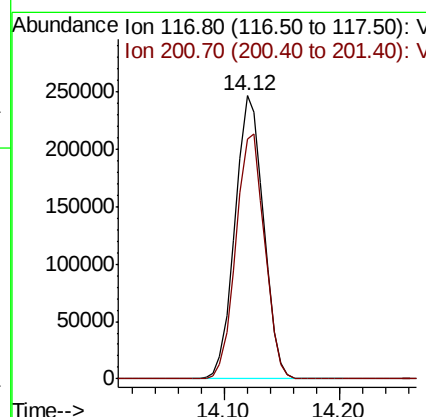
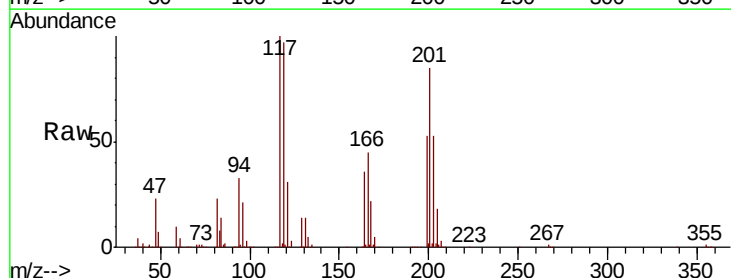
Manual Integrations  
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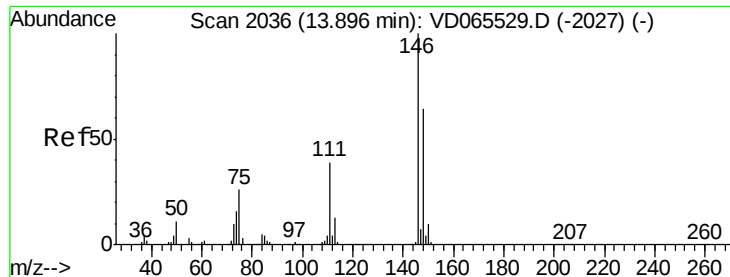
apatel  
3/27/2020 10:12:25 AM



#90  
Hexachloroethane  
Concen: 96.854 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 87.1  | 43.9  | 131.6 |





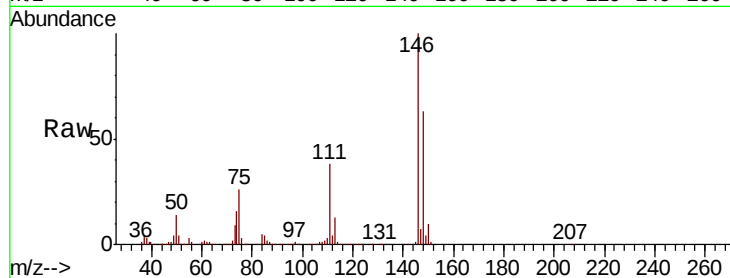
#91  
 1,2-Dichlorobenzene  
 Concen: 99.661 ug/l  
 RT: 13.90 min Scan# 2037  
 Delta R.T. 0.01 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

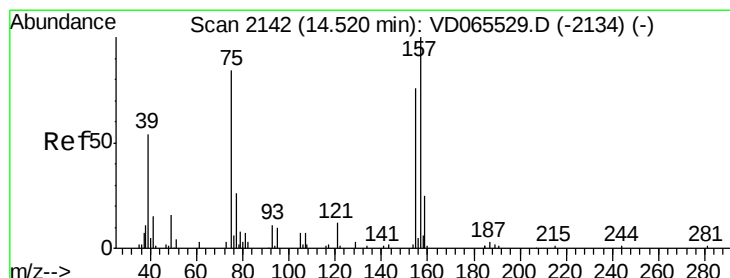
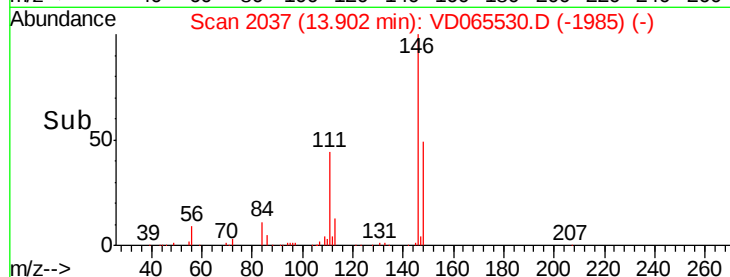
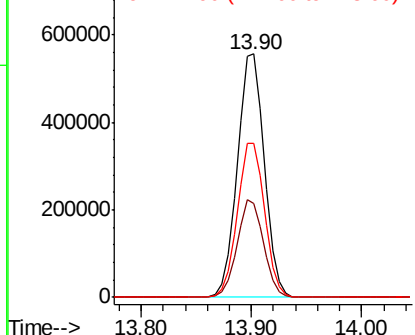
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.2  | 19.4  | 58.4  |
| 148     | 64.0  | 32.1  | 96.5  |

Manual Integrations  
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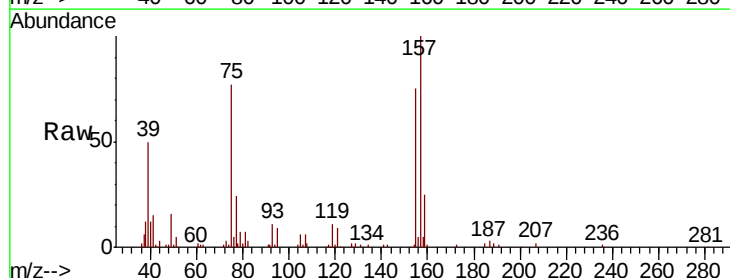


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

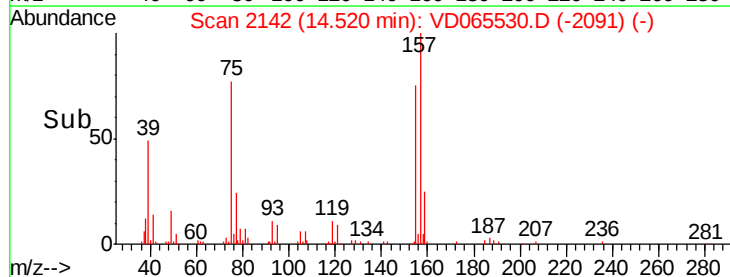
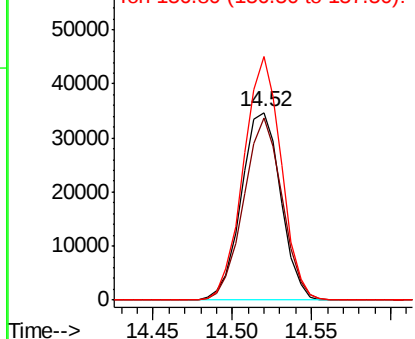


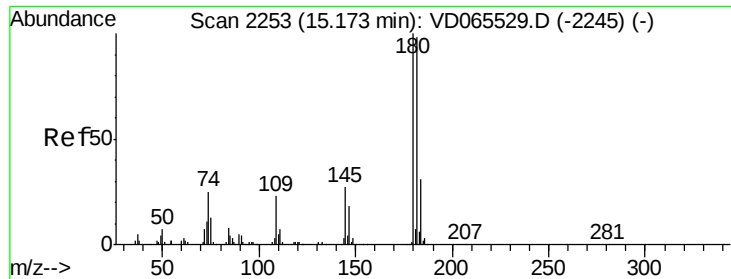
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 95.423 ug/l  
 RT: 14.52 min Scan# 2142  
 Delta R.T. -0.00 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 94.0  | 46.2  | 138.6 |
| 157     | 123.9 | 57.9  | 173.7 |



Abundance Ion 74.90 (74.60 to 75.60): V  
 Ion 154.80 (154.50 to 155.50): V  
 Ion 156.80 (156.50 to 157.50): V





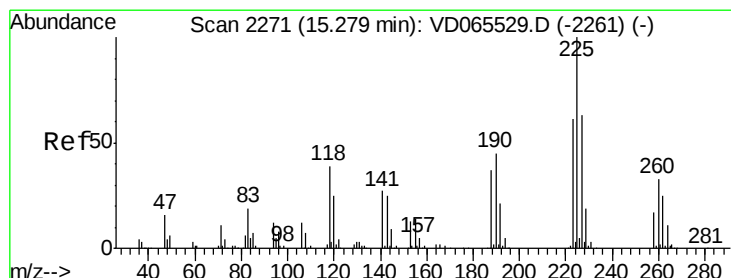
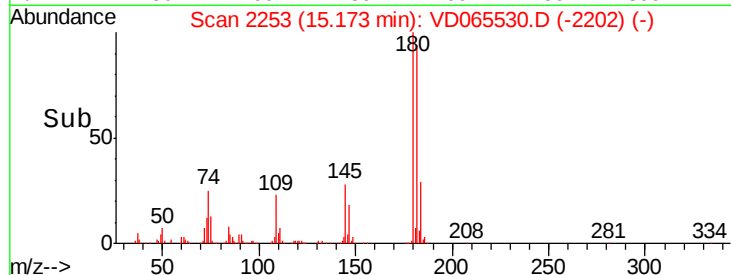
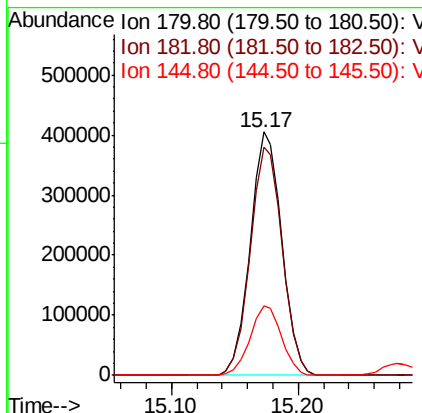
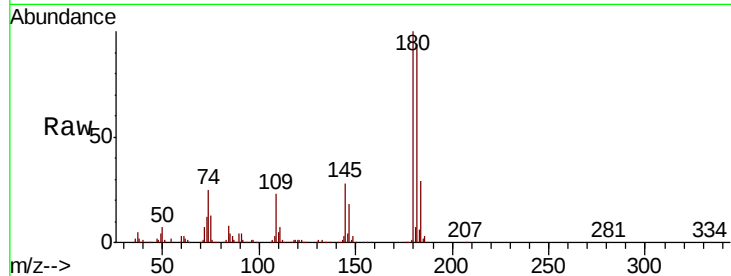
#93  
 1,2,4-Trichlorobenzene  
 Concen: 107.471 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. -0.00 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 95.1  | 48.1 | 144.3 |       |
| 145     | 28.5  | 13.9 | 41.6  |       |

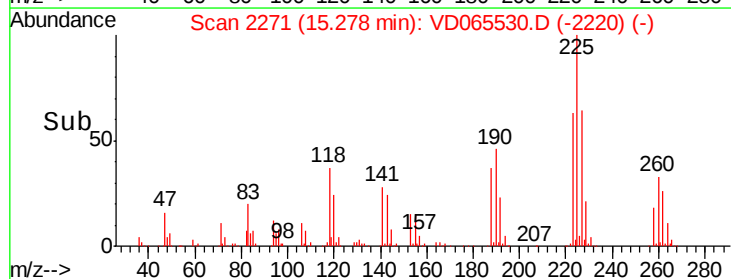
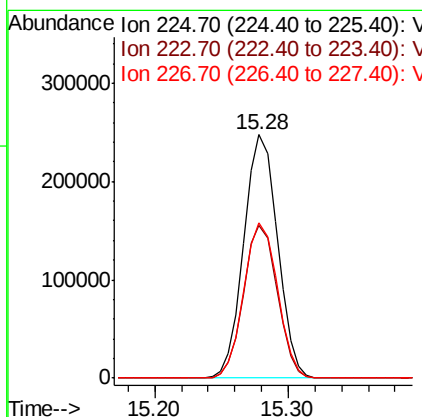
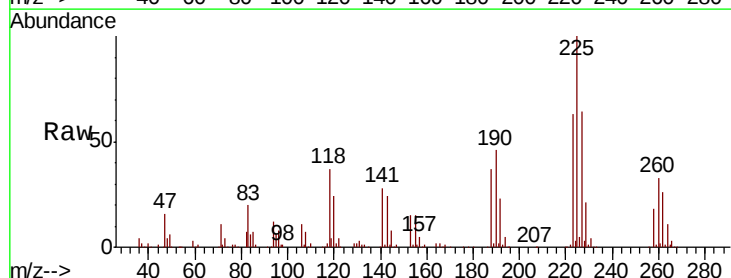
Manual Integrations  
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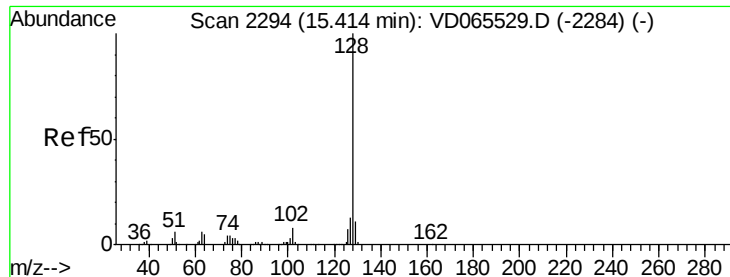
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 3/27/2020 10:12:25 AM



#94  
 Hexachlorobutadiene  
 Concen: 101.492 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. -0.00 min  
 Lab File: VD065530.D  
 Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.7  | 31.2 | 93.6  |       |
| 227     | 64.0  | 32.3 | 96.9  |       |





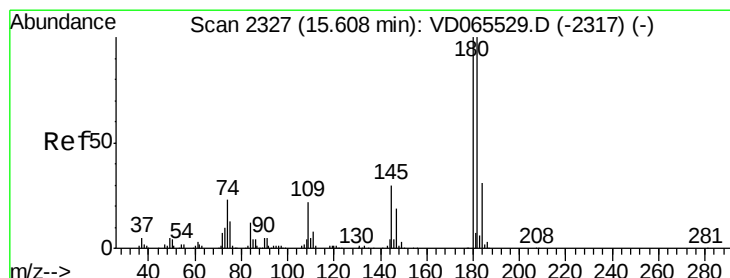
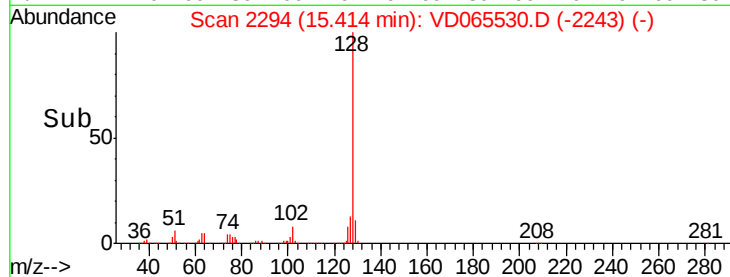
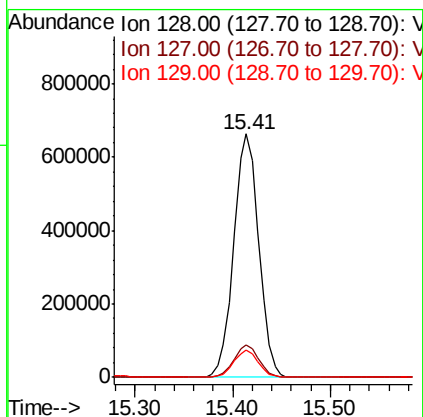
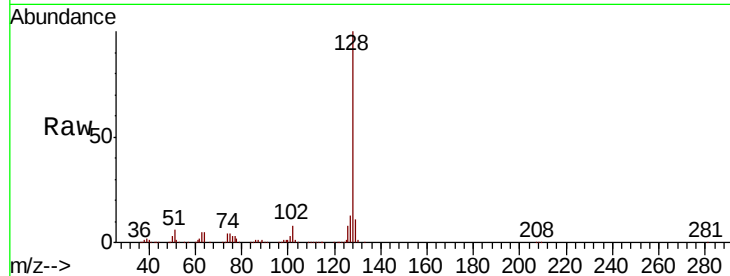
#95  
Naphthalene  
Concen: 112.840 ug/l  
RT: 15.41 min Scan# 2294  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.2  | 10.4  | 15.6  |
| 129     | 10.9  | 8.7   | 13.1  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 108.679 ug/l  
RT: 15.61 min Scan# 2327  
Delta R.T. -0.00 min  
Lab File: VD065530.D  
Acq: 26 Mar 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.2  | 48.1  | 144.3 |
| 145     | 29.9  | 15.0  | 45.0  |

