

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\  
 Data File : VD060105.D  
 Acq On : 1 Oct 2018 19:15  
 Operator : VA/AP  
 Sample : VSTDICC150  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

apatel  
 10/2/2018 12:31:26 PM

Quant Time: Oct 02 05:51:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 02:08:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.38  | 168  | 1583162  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 7.42  | 114  | 2160119  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.28 | 117  | 1711160  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.36 | 152  | 910234   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.76   | 65  | 1630912  | 132.31 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 264.62% |      |
| 35) Dibromofluoromethane  | 6.30   | 113 | 2370491  | 140.18 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 280.36% |      |
| 50) Toluene-d8            | 9.44   | 98  | 6310695  | 133.44 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 266.88% |      |
| 62) 4-Bromofluorobenzene  | 12.42  | 95  | 2294238  | 128.29 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 256.58% |      |

## Target Compounds

|                               |      |     |          |         |      | Qvalue |
|-------------------------------|------|-----|----------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.56 | 85  | 2128903m | 130.066 | ug/l |        |
| 3) Chloromethane              | 1.73 | 50  | 2126090  | 145.143 | ug/l | 100    |
| 4) Vinyl Chloride             | 1.83 | 62  | 1615460  | 137.386 | ug/l | 100    |
| 5) Bromomethane               | 2.10 | 94  | 144546   | 105.931 | ug/l | 94     |
| 6) Chloroethane               | 2.20 | 64  | 136914   | 52.369  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 2.46 | 101 | 1667930  | 128.930 | ug/l | 98     |
| 8) Diethyl Ether              | 2.79 | 74  | 384124   | 139.510 | ug/l | 89     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.05 | 101 | 1065950  | 131.202 | ug/l | 98     |
| 10) Methyl Iodide             | 3.21 | 142 | 1376038  | 158.724 | ug/l | 98     |
| 11) Tert butyl alcohol        | 3.96 | 59  | 646085   | 659.782 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 3.03 | 96  | 842103   | 130.895 | ug/l | 98     |
| 13) Acrolein                  | 2.95 | 56  | 344212   | 568.973 | ug/l | 100    |
| 14) Allyl chloride            | 3.49 | 41  | 1887097  | 139.439 | ug/l | 98     |
| 15) Acrylonitrile             | 4.05 | 53  | 2358901  | 635.556 | ug/l | 98     |
| 16) Acetone                   | 3.14 | 43  | 1400441  | 598.548 | ug/l | 99     |
| 17) Carbon Disulfide          | 3.27 | 76  | 3024959  | 136.769 | ug/l | 99     |
| 18) Methyl Acetate            | 3.52 | 43  | 677704   | 140.653 | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 4.09 | 73  | 3895143  | 131.191 | ug/l | 99     |
| 20) Methylene Chloride        | 3.68 | 84  | 2323648  | 116.457 | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 4.05 | 96  | 2258440  | 133.590 | ug/l | 98     |
| 22) Diisopropyl ether         | 4.82 | 45  | 8023018  | 130.566 | ug/l | 96     |
| 23) Vinyl Acetate             | 4.77 | 43  | 21736005 | 623.308 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 4.72 | 63  | 3817248  | 137.595 | ug/l | 99     |
| 25) 2-Butanone                | 5.60 | 43  | 3672798  | 581.847 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 5.55 | 77  | 2601624  | 121.172 | ug/l | 97     |
| 27) cis-1,2-Dichloroethene    | 5.56 | 96  | 2341377  | 132.503 | ug/l | 95     |
| 28) Bromochloromethane        | 5.89 | 49  | 1757311  | 130.330 | ug/l | 93     |
| 29) Tetrahydrofuran           | 5.92 | 42  | 2156511  | 637.037 | ug/l | 98     |
| 30) Chloroform                | 6.07 | 83  | 3849443  | 137.399 | ug/l | 99     |
| 31) Cyclohexane               | 6.34 | 56  | 3288592  | 122.450 | ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 6.26 | 97  | 3154482  | 136.213 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 6.49 | 75  | 2638592  | 124.847 | ug/l | 97     |
| 37) Ethyl Acetate             | 5.68 | 43  | 1922010  | 131.706 | ug/l | 98     |
| 38) Carbon Tetrachloride      | 6.47 | 117 | 2556978  | 130.284 | ug/l | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\  
 Data File : VD060105.D  
 Acq On : 1 Oct 2018 19:15  
 Operator : VA/AP  
 Sample : VSTDICC150  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDICC150

Manual Integrations  
 APPROVED

apatel  
 10/2/2018 12:31:26 PM

Quant Time: Oct 02 05:51:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 02:08:01 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 8.02  | 83   | 2996825  | 124.978  | ug/l  | 99       |
| 40) Benzene                    | 6.77  | 78   | 7039999  | 130.525  | ug/l  | 100      |
| 41) Methacrylonitrile          | 5.90  | 41   | 881980m  | 113.589  | ug/l  |          |
| 42) 1,2-Dichloroethane         | 6.87  | 62   | 2202894  | 136.179  | ug/l  | 100      |
| 43) Isopropyl Acetate          | 8.33  | 43   | 2697163  | 139.482  | ug/l  | 97       |
| 44) Trichloroethene            | 7.71  | 130  | 2327139  | 138.915  | ug/l  | 98       |
| 45) 1,2-Dichloropropane        | 8.08  | 63   | 1981854  | 137.274  | ug/l  | 96       |
| 46) Dibromomethane             | 8.20  | 93   | 1339153  | 142.705  | ug/l  | 95       |
| 47) Bromodichloromethane       | 8.47  | 83   | 2877383  | 141.840  | ug/l  | 99       |
| 48) Methyl methacrylate        | 8.22  | 41   | 1479123  | 137.208  | ug/l  | 97       |
| 49) 1,4-Dioxane                | 8.21  | 88   | 300706   | 2803.053 | ug/l  | 90       |
| 51) 4-Methyl-2-Pentanone       | 9.33  | 43   | 7248512  | 546.418  | ug/l  | 99       |
| 52) Toluene                    | 9.53  | 92   | 4538831  | 130.385  | ug/l  | 98       |
| 53) t-1,3-Dichloropropene      | 9.90  | 75   | 2611290  | 137.837  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 9.08  | 75   | 3084476  | 136.454  | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane      | 10.16 | 97   | 1608308  | 133.211  | ug/l  | 99       |
| 56) Ethyl methacrylate         | 10.02 | 69   | 1865959  | 140.206  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 10.37 | 76   | 2415496  | 135.848  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.91  | 63   | 4028433  | 613.834  | ug/l  | 98       |
| 59) 2-Hexanone                 | 10.48 | 43   | 5400287  | 564.145  | ug/l  | 97       |
| 60) Dibromochloromethane       | 10.63 | 129  | 2120304  | 145.559  | ug/l  | 97       |
| 61) 1,2-Dibromoethane          | 10.74 | 107  | 1809876  | 145.232  | ug/l  | 99       |
| 64) Tetrachloroethene          | 10.23 | 164  | 2046834  | 137.336  | ug/l  | 98       |
| 65) Chlorobenzene              | 11.30 | 112  | 4851709  | 133.339  | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.40 | 131  | 1558215  | 127.289  | ug/l  | 99       |
| 67) Ethyl Benzene              | 11.42 | 91   | 6706241  | 114.786  | ug/l  | 95       |
| 68) m/p-Xylenes                | 11.56 | 106  | 5015901  | 233.104  | ug/l  | 95       |
| 69) o-Xylene                   | 11.92 | 106  | 2670418  | 124.442  | ug/l  | 99       |
| 70) Styrene                    | 11.94 | 104  | 4503159  | 124.973  | ug/l  | 98       |
| 71) Bromoform                  | 12.10 | 173  | 1596228  | 152.347  | ug/l  | 99       |
| 73) Isopropylbenzene           | 12.27 | 105  | 7143083  | 120.768  | ug/l  | 100      |
| 74) N-amyl acetate             | 12.12 | 43   | 3048008  | 130.932  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.55 | 83   | 1796401  | 133.995  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 12.59 | 75   | 1839533  | 134.463  | ug/l  | 98       |
| 77) Bromobenzene               | 12.53 | 156  | 2195396  | 128.106  | ug/l  | 86       |
| 78) n-propylbenzene            | 12.63 | 91   | 8771344  | 118.294  | ug/l  | 92       |
| 79) 2-Chlorotoluene            | 12.70 | 91   | 5123728  | 122.646  | ug/l  | 94       |
| 80) 1,3,5-Trimethylbenzene     | 12.78 | 105  | 5246313  | 115.783  | ug/l  | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.34 | 75   | 589490   | 142.998  | ug/l  | 93       |
| 82) 4-Chlorotoluene            | 12.80 | 91   | 5267206  | 114.666  | ug/l  | 96       |
| 83) tert-Butylbenzene          | 13.04 | 119  | 6296699  | 119.694  | ug/l  | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.09 | 105  | 5662998  | 116.755  | ug/l  | 96       |
| 85) sec-Butylbenzene           | 13.21 | 105  | 7536799  | 121.408  | ug/l  | 97       |
| 86) p-Isopropyltoluene         | 13.33 | 119  | 5972518  | 118.875  | ug/l  | 97       |
| 87) 1,3-Dichlorobenzene        | 13.30 | 146  | 3644411  | 122.528  | ug/l  | 97       |
| 88) 1,4-Dichlorobenzene        | 13.38 | 146  | 3708837  | 123.032  | ug/l  | 97       |
| 89) n-Butylbenzene             | 13.64 | 91   | 5096743  | 104.138  | ug/l  | 99       |
| 90) Hexachloroethane           | 13.85 | 117  | 1725611  | 138.892  | ug/l  | 69       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 2597813  | 105.825  | ug/l  | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.22 | 75   | 271206   | 132.435  | ug/l  | 100      |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\  
Data File : VD060105.D  
Acq On : 1 Oct 2018 19:15  
Operator : VA/AP  
Sample : VSTDICC150  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

apatel  
10/2/2018 12:31:26 PM

Quant Time: Oct 02 05:51:11 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 02 02:08:01 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.78 | 180  | 2751826  | 129.818 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 14.88 | 225  | 1782172  | 126.896 | ug/l  | 98       |
| 95) Naphthalene            | 14.96 | 128  | 4593605  | 140.527 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.10 | 180  | 2516200  | 135.532 | ug/l  | 98       |

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

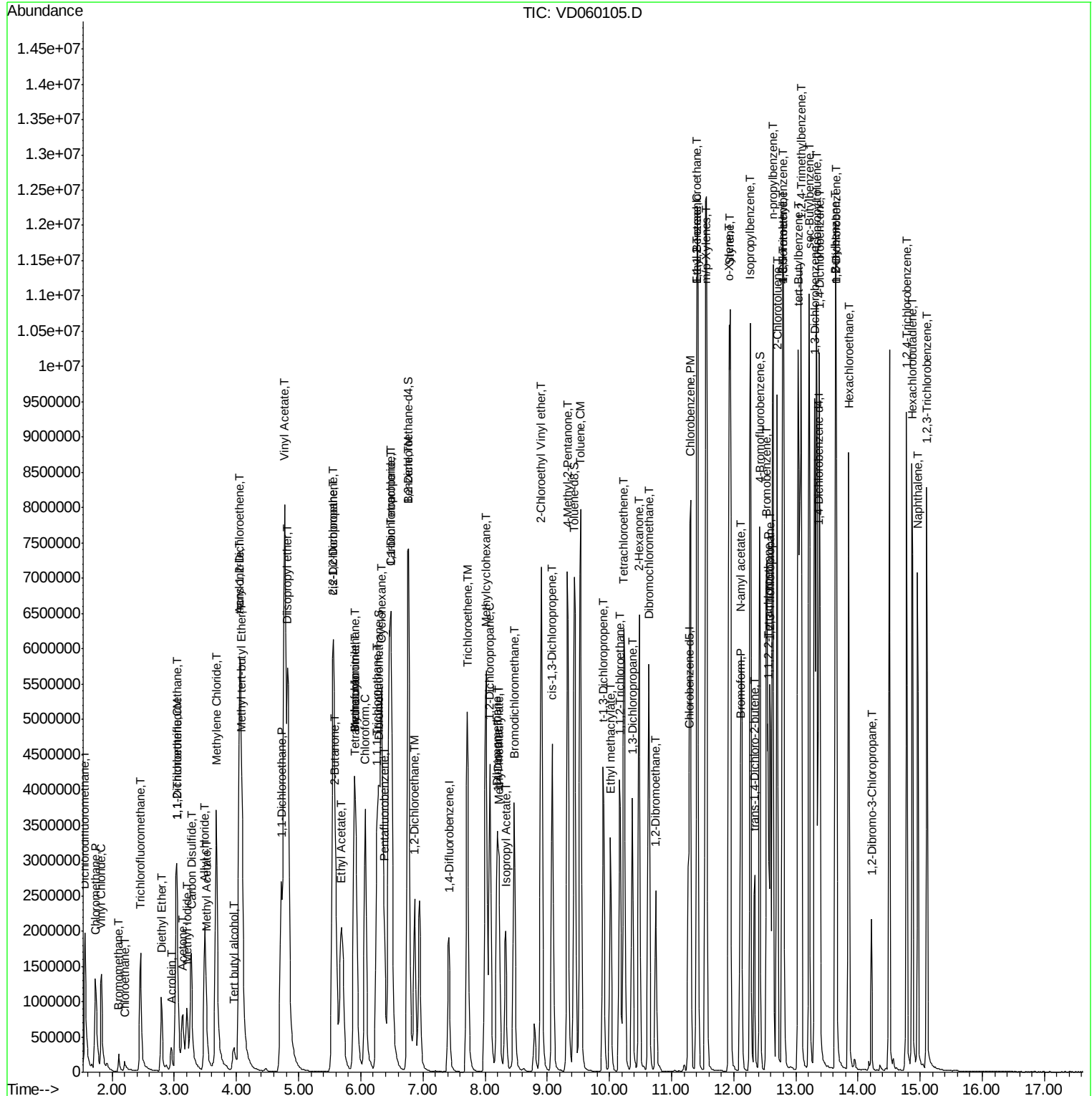
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\  
Data File : VD060105.D  
Acq On : 1 Oct 2018 19:15  
Operator : VA/AP  
Sample : VSTDIC150  
Misc : 5.00µl/5ml/MSVOA D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

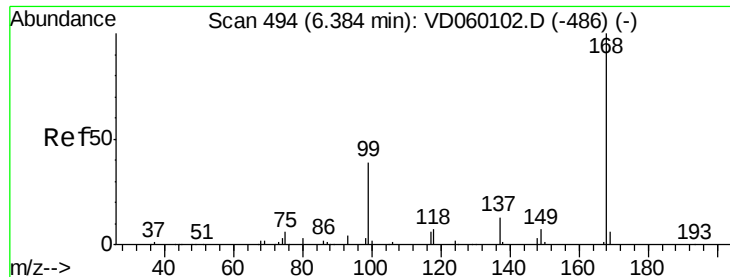
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Manual Integrations  
APPROVED

apatel  
10/2/2018 12:31:26 PM

Quant Time: Oct 02 05:51:11 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 02 02:08:01 2018  
Response via : Initial Calibration





#1

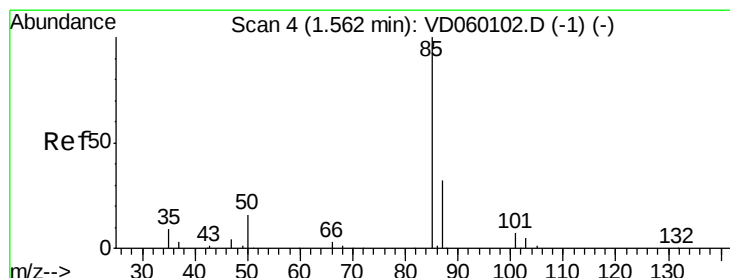
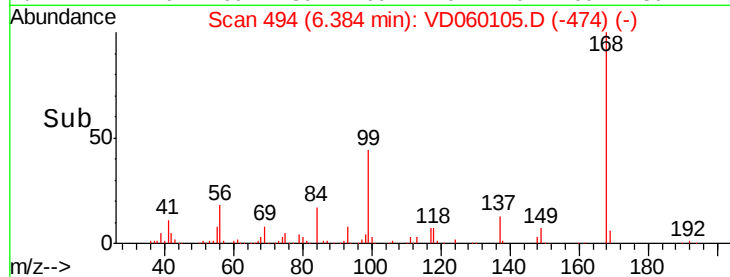
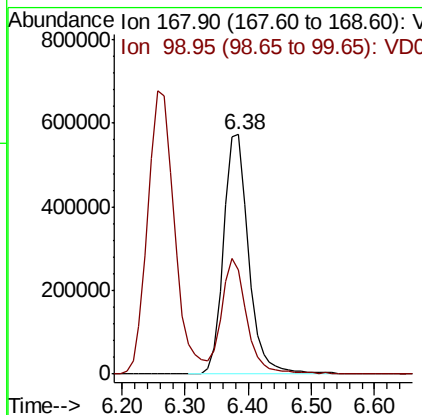
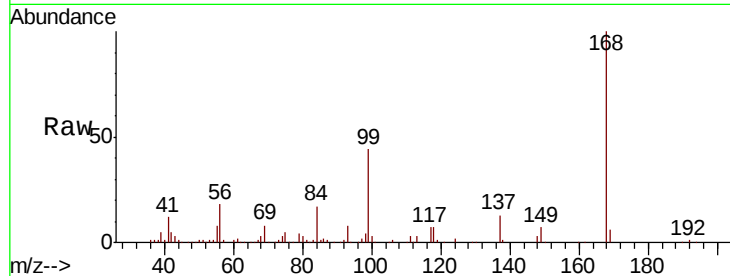
Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.38 min Scan# 494  
 Delta R.T. 0.00 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

Tot Ion:168 Resp: 1583162  
 Ion Ratio Lower Upper  
 168 100  
 99 43.6 35.4 53.0

Manual Integrations  
 APPROVED

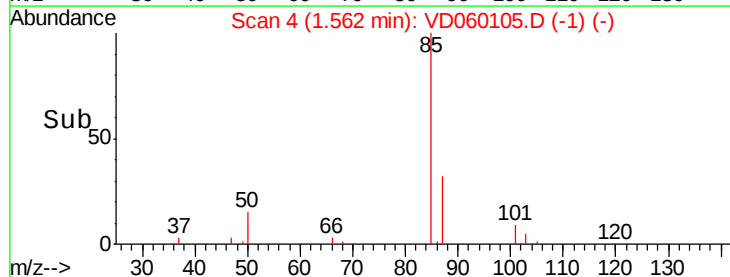
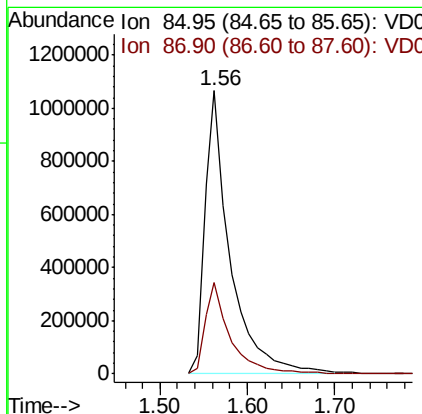
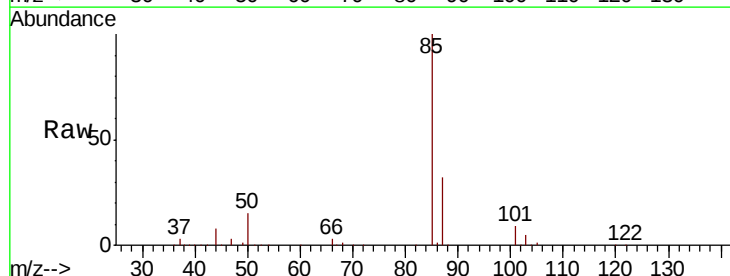
apatel  
 10/2/2018 12:31:26 PM

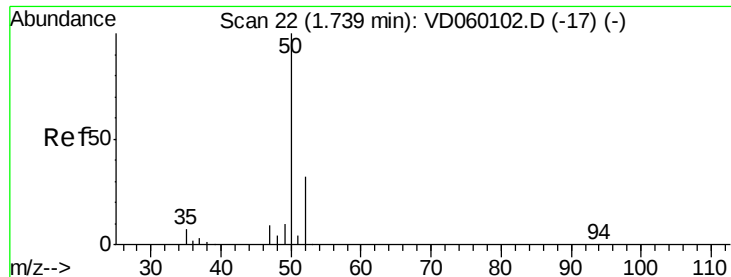


#2

Dichlorodifluoromethane  
 Concen: 130.066 ug/l m  
 RT: 1.56 min Scan# 4  
 Delta R.T. 0.00 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Tgt Ion: 85 Resp: 2128903  
 Ion Ratio Lower Upper  
 85 100  
 87 32.4 15.9 47.6





#3

Chloromethane

Concen: 145.143 ug/l

RT: 1.73 min Scan# 21

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 2126090

Ion Ratio Lower Upper

50 100

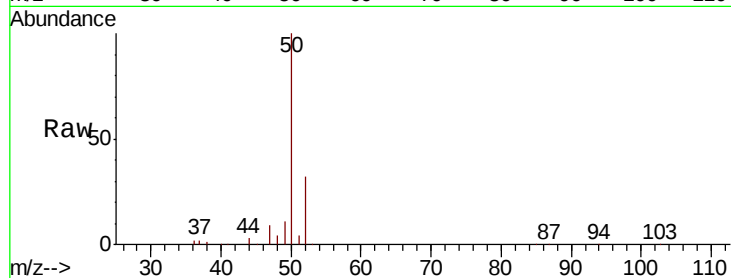
52 31.8 25.3 37.9

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:26 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.73

800000

600000

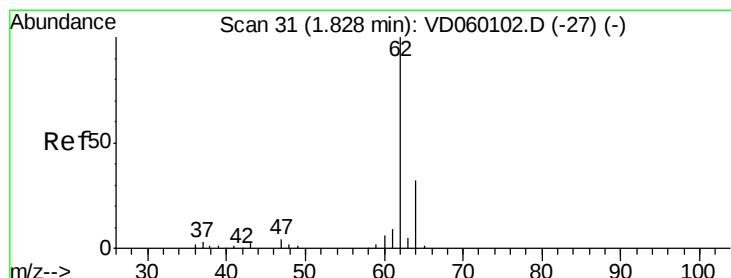
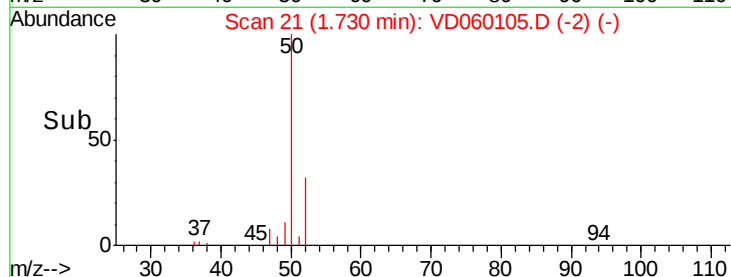
400000

200000

0

1.60 1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 137.386 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060105.D

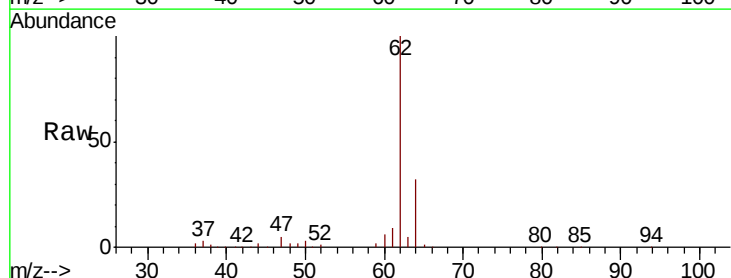
Acq: 1 Oct 2018 19:15

Tgt Ion: 62 Resp: 1615460

Ion Ratio Lower Upper

62 100

64 31.7 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.83

800000

600000

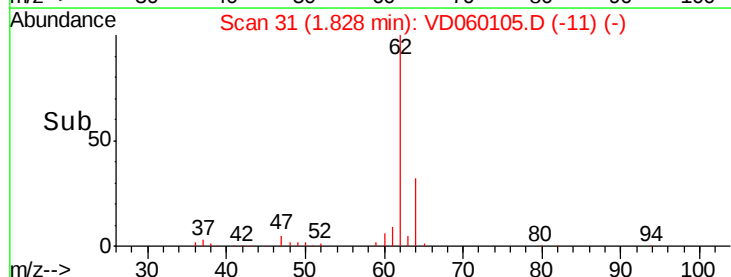
400000

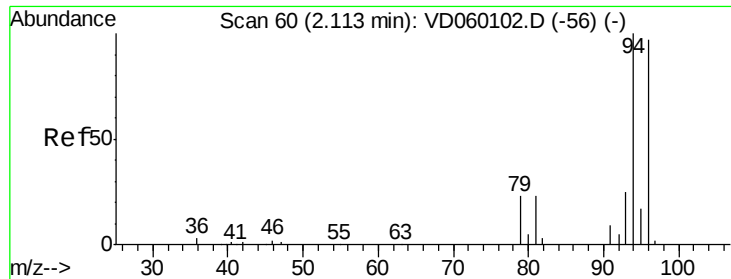
200000

0

1.70 1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 105.931 ug/l

RT: 2.10 min Scan# 59

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 144546

Ion Ratio Lower Upper

94 100

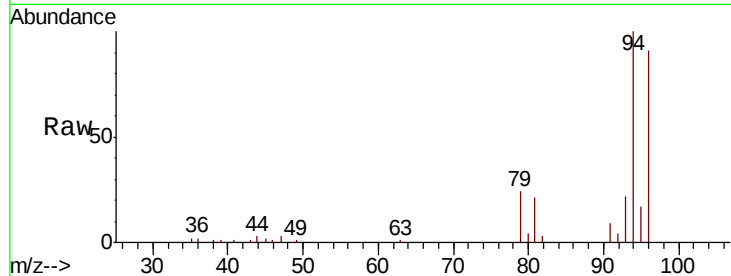
96 91.3 77.4 116.2

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:26 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.10

80000

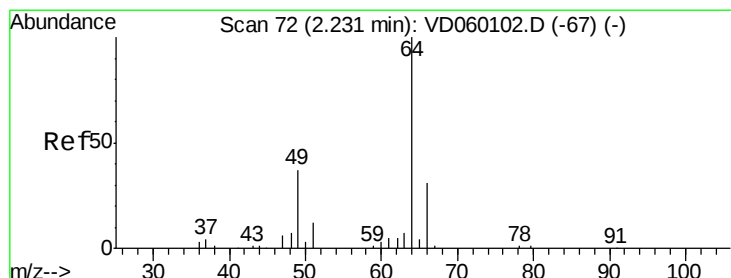
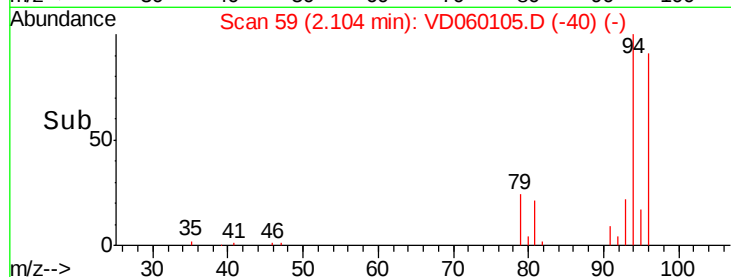
60000

40000

20000

0

Time--> 2.00 2.10 2.20



#6

Chloroethane

Concen: 52.369 ug/l

RT: 2.20 min Scan# 69

Delta R.T. -0.03 min

Lab File: VD060105.D

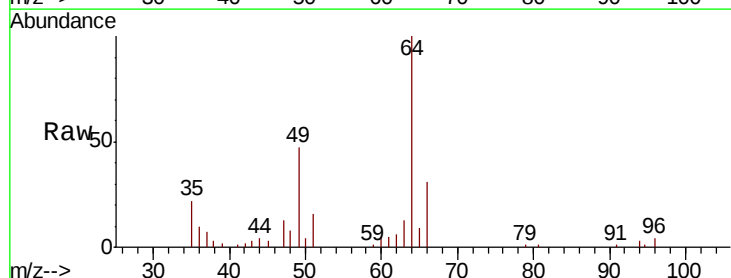
Acq: 1 Oct 2018 19:15

Tgt Ion: 64 Resp: 136914

Ion Ratio Lower Upper

64 100

66 31.0 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.20

50000

40000

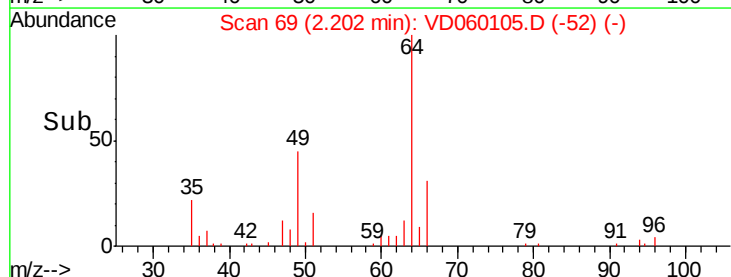
30000

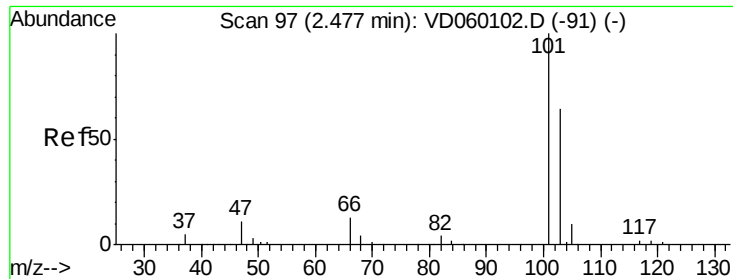
20000

10000

0

Time--> 2.10 2.15 2.20 2.25 2.30





#7

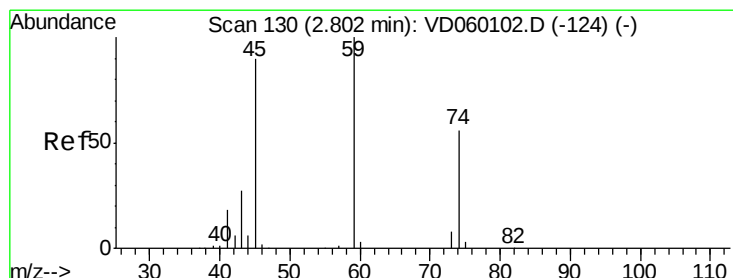
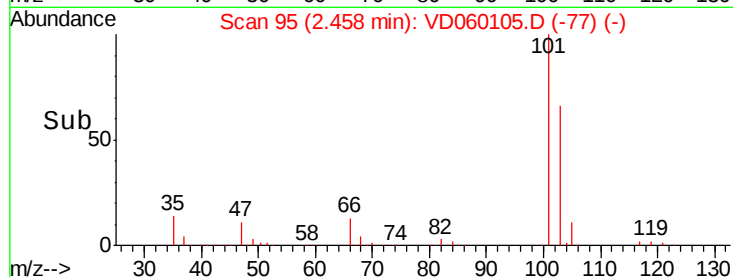
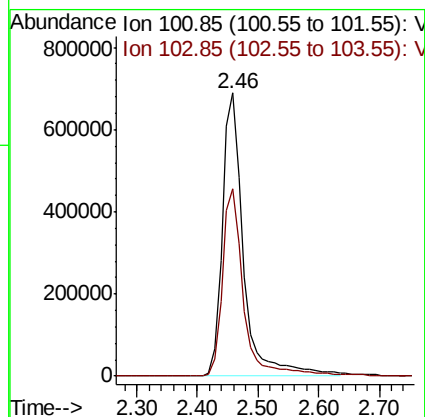
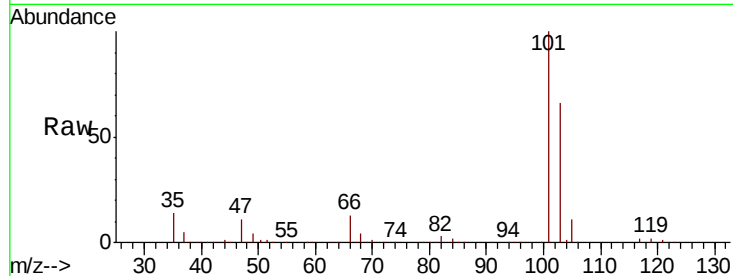
Trichlorofluoromethane  
Concen: 128.930 ug/l  
RT: 2.46 min Scan# 95  
Delta R.T. -0.02 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion:101 Resp: 1667930  
Ion Ratio Lower Upper  
101 100  
103 66.1 51.5 77.3

Manual Integrations  
APPROVED

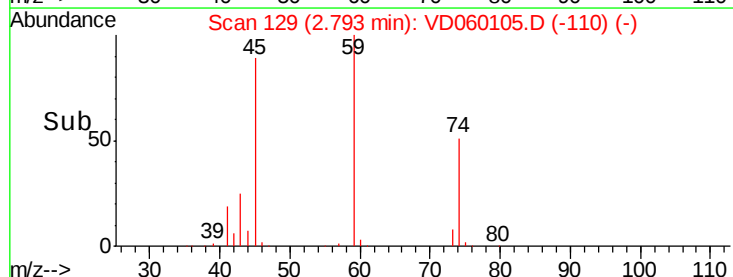
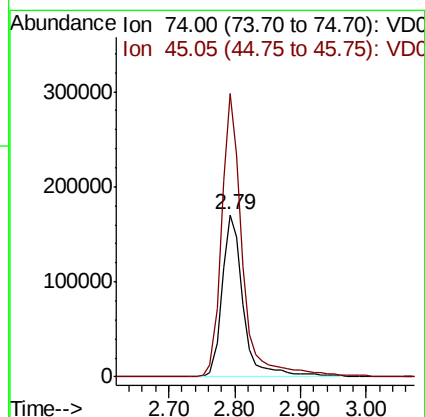
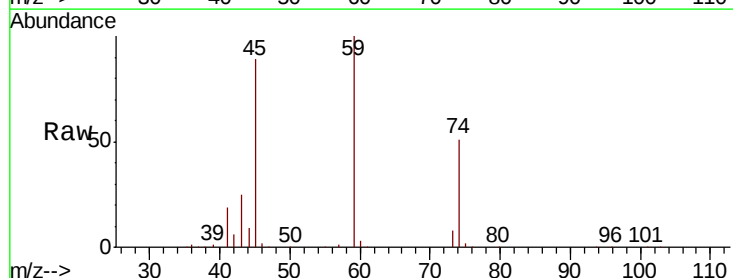
apatel  
10/2/2018 12:31:26 PM

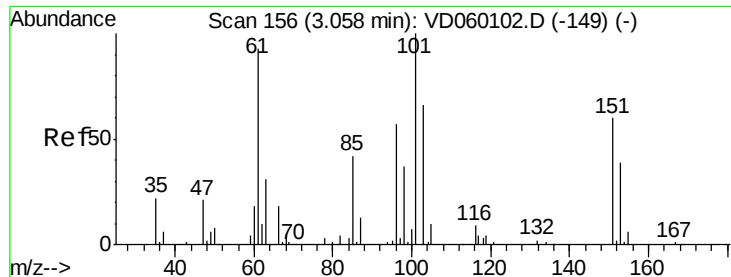


#8

Diethyl Ether  
Concen: 139.510 ug/l  
RT: 2.79 min Scan# 129  
Delta R.T. -0.01 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Tgt Ion: 74 Resp: 384124  
Ion Ratio Lower Upper  
74 100  
45 174.8 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 131.202 ug/l

RT: 3.05 min Scan# 155

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1065950

Ion Ratio Lower Upper

101 100

85 41.0 33.4 50.0

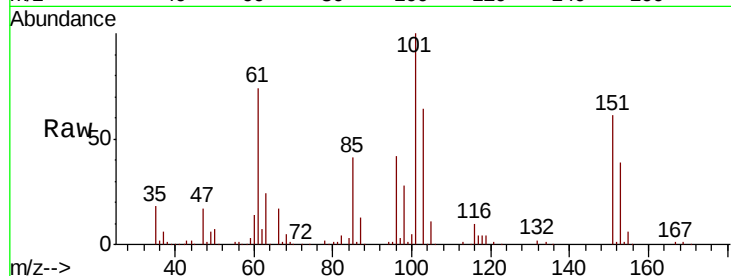
151 61.3 48.0 72.0

Manual Integrations

APPROVED

apatel

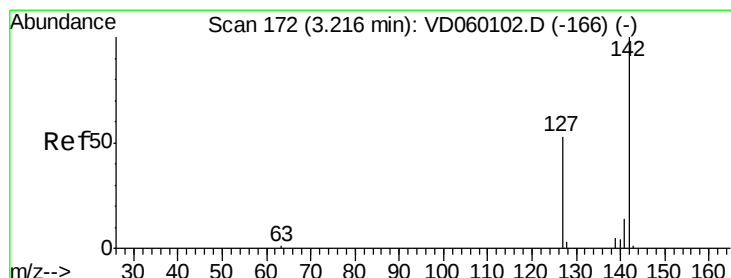
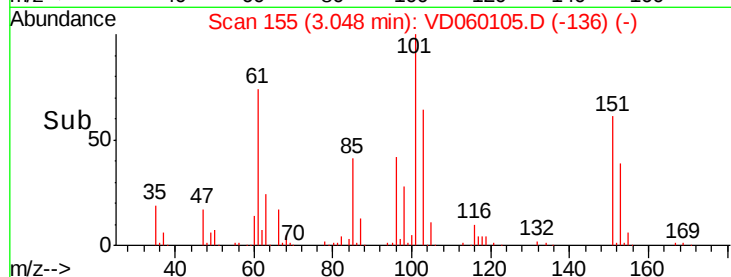
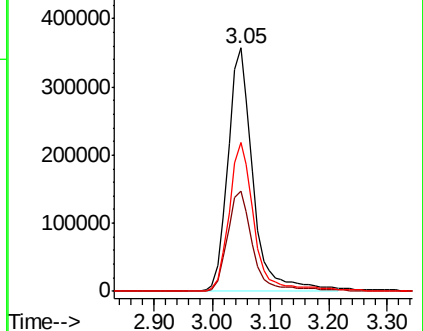
10/2/2018 12:31:26 PM



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 158.724 ug/l

RT: 3.21 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

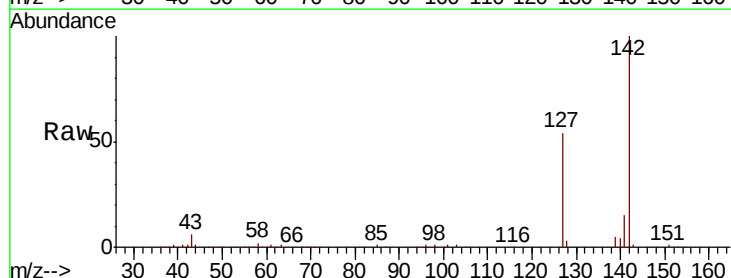
Tgt Ion:142 Resp: 1376038

Ion Ratio Lower Upper

142 100

127 54.2 42.0 63.0

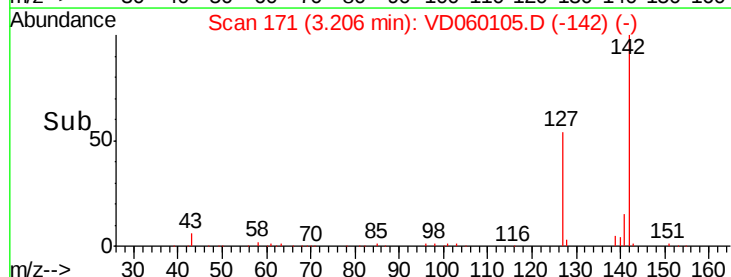
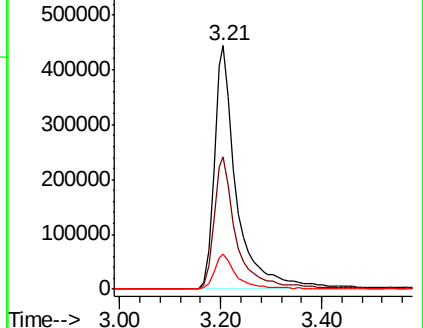
141 14.5 11.4 17.0

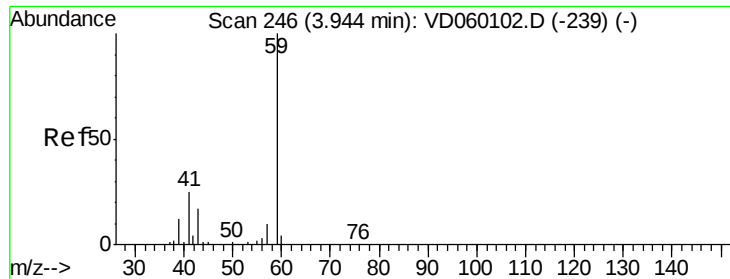


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





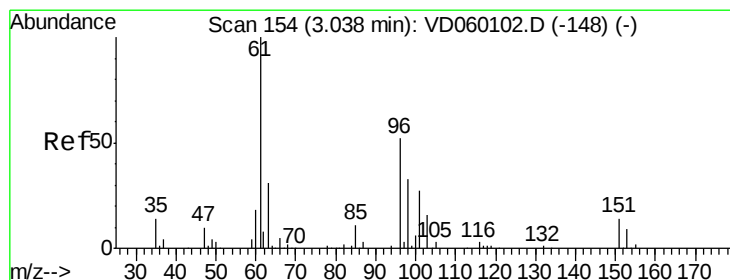
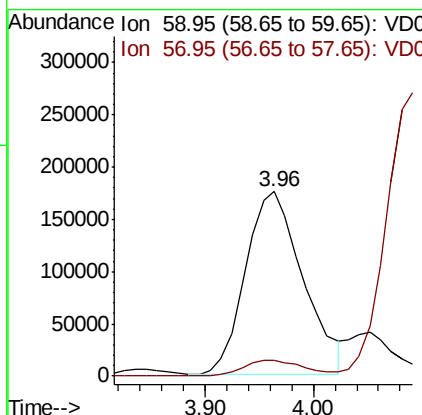
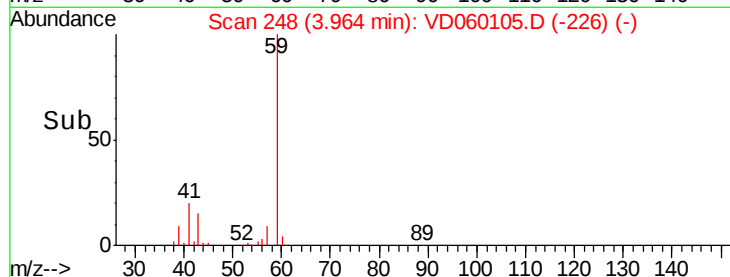
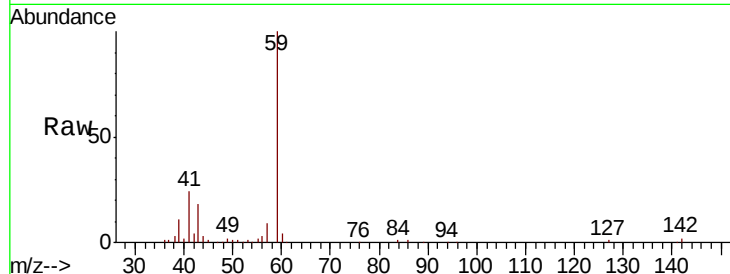
#11  
Tert butyl alcohol  
Concen: 659.782 ug/l  
RT: 3.96 min Scan# 248  
Delta R.T. 0.02 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion: 59 Resp: 646085  
Ion Ratio Lower Upper  
59 100  
57 8.9 7.8 11.6

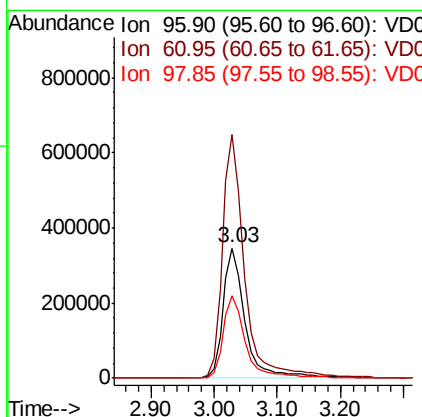
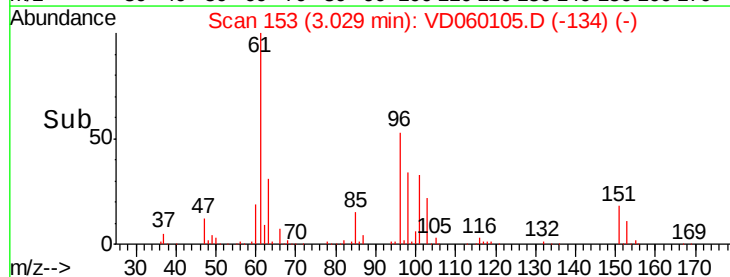
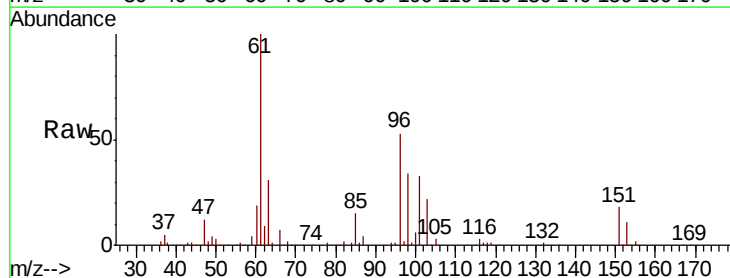
Manual Integrations  
APPROVED

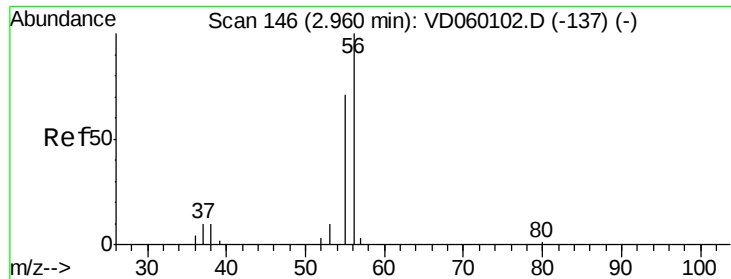
apatel  
10/2/2018 12:31:26 PM



#12  
1,1-Dichloroethene  
Concen: 130.895 ug/l  
RT: 3.03 min Scan# 153  
Delta R.T. -0.01 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Tgt Ion: 96 Resp: 842103  
Ion Ratio Lower Upper  
96 100  
61 187.2 153.0 229.4  
98 63.0 51.1 76.7





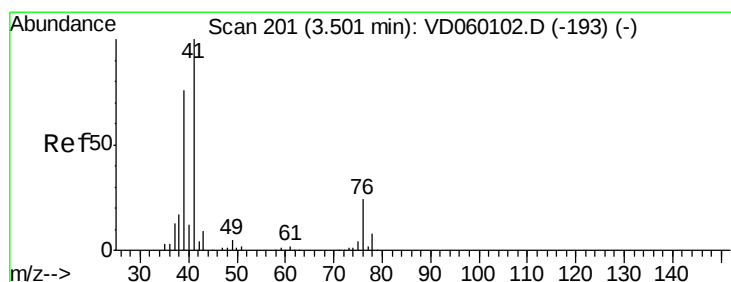
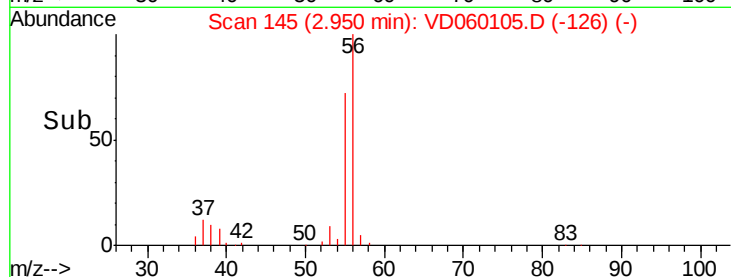
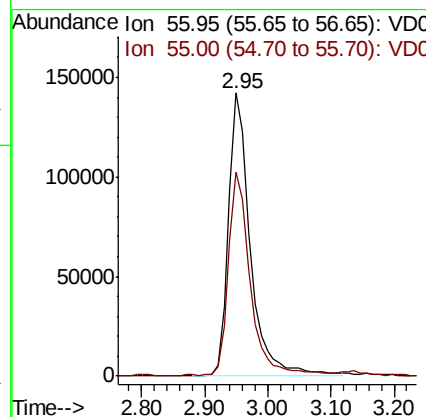
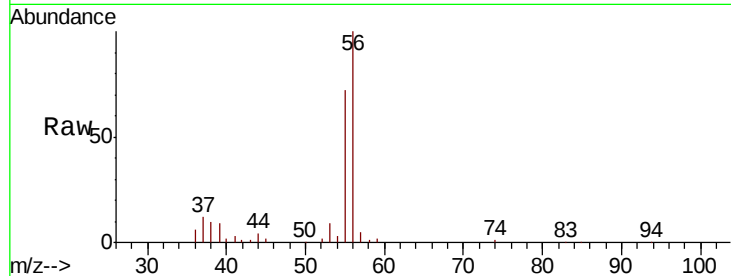
#13  
Acrolein  
Concen: 568.973 ug/l  
RT: 2.95 min Scan# 145  
Delta R.T. -0.01 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 71.9  | 57.4  | 86.2  |

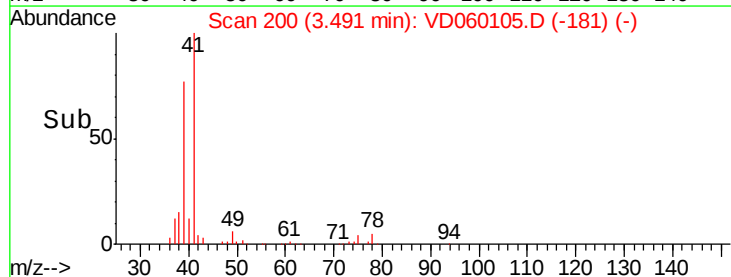
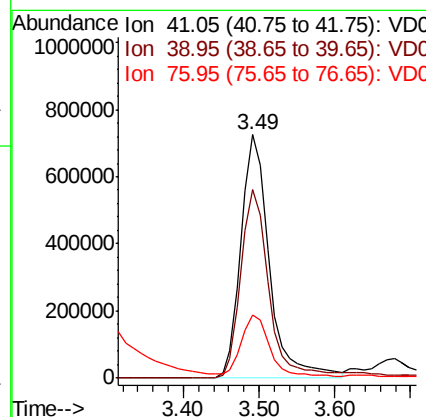
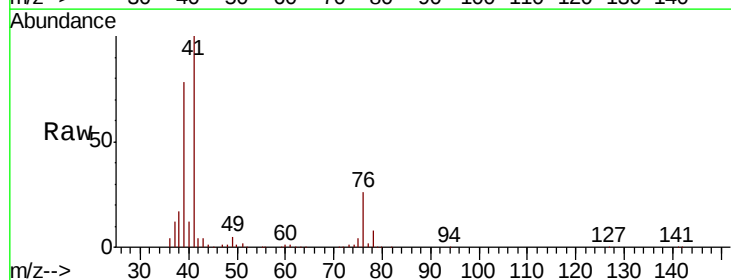
Manual Integrations  
APPROVED

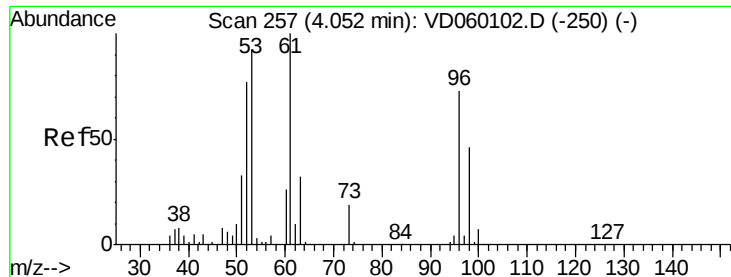
apatel  
10/2/2018 12:31:26 PM



#14  
Allyl chloride  
Concen: 139.439 ug/l  
RT: 3.49 min Scan# 200  
Delta R.T. -0.01 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 77.6  | 60.6  | 90.8  |
| 76      | 25.9  | 21.3  | 31.9  |





#15

Acrylonitrile

Concen: 635.556 ug/l

RT: 4.05 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2358901

Ion Ratio Lower Upper

53 100

52 85.6 67.5 101.3

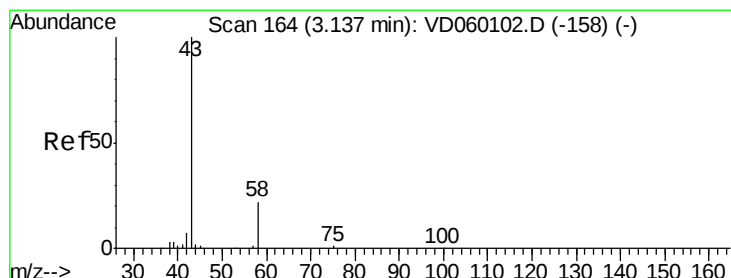
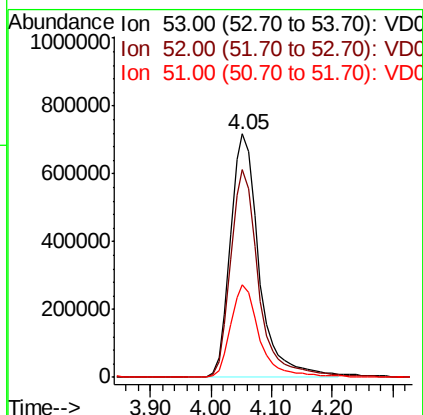
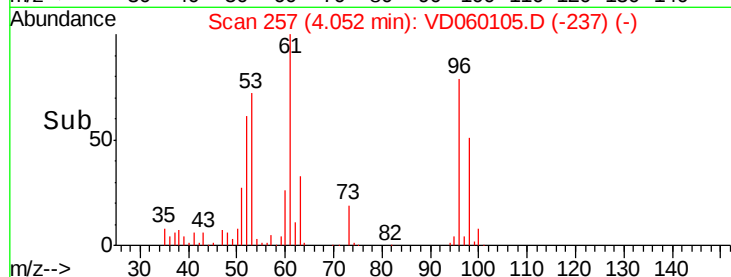
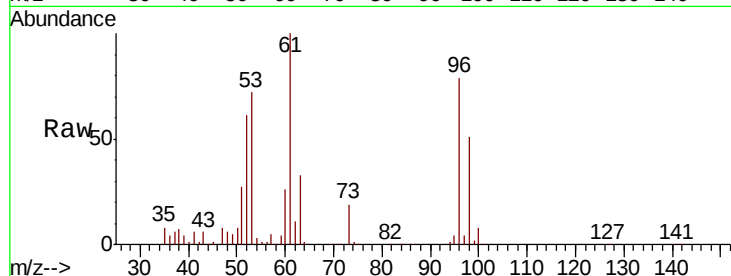
51 37.9 29.3 43.9

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:26 PM



#16

Acetone

Concen: 598.548 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060105.D

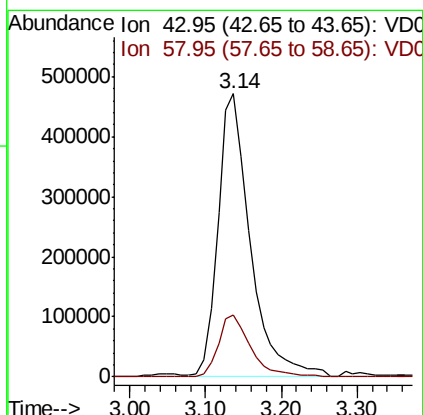
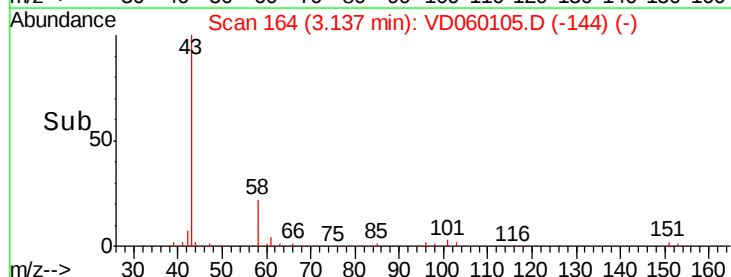
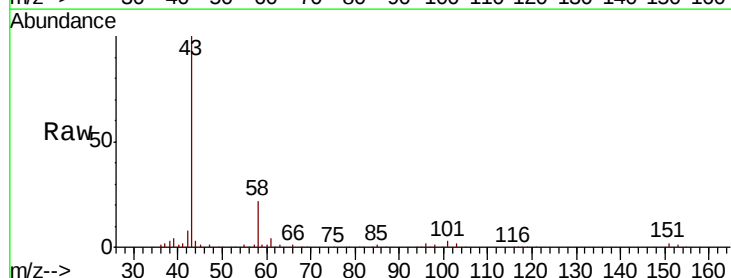
Acq: 1 Oct 2018 19:15

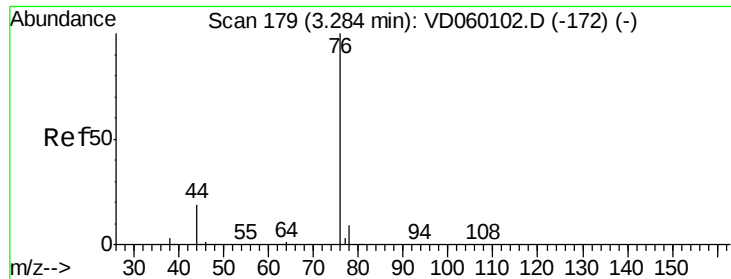
Tgt Ion: 43 Resp: 1400441

Ion Ratio Lower Upper

43 100

58 21.8 17.7 26.5





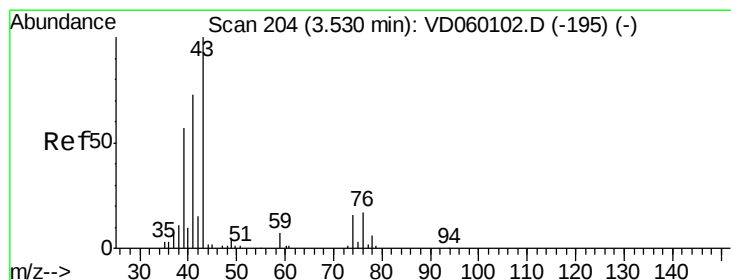
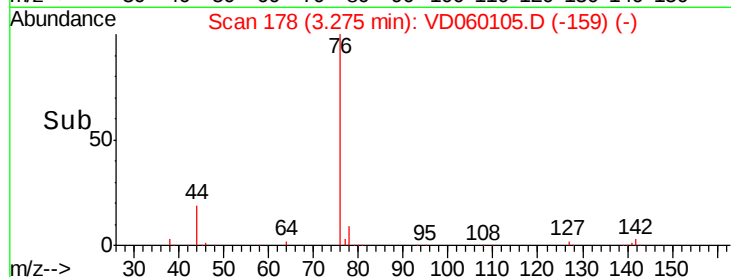
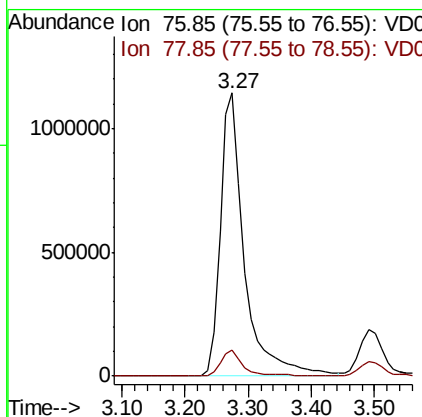
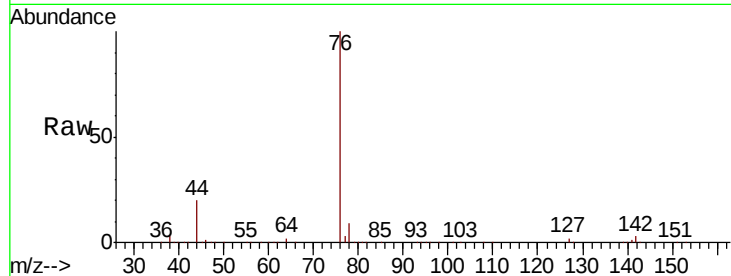
#17  
Carbon Disulfide  
Concen: 136.769 ug/l  
RT: 3.27 min Scan# 178  
Delta R.T. -0.01 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion: 76 Resp: 3024959  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.2

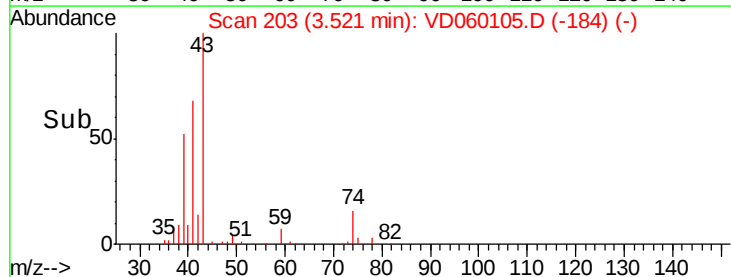
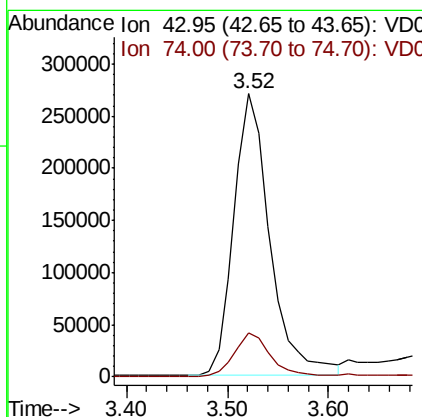
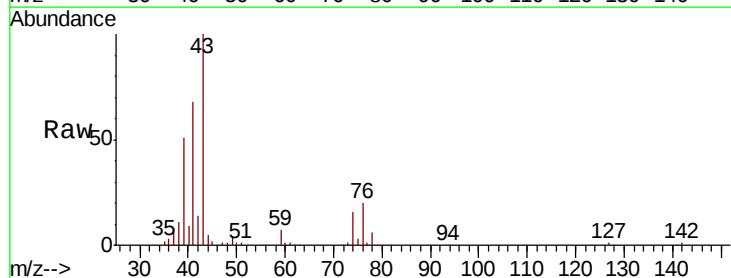
Manual Integrations  
APPROVED

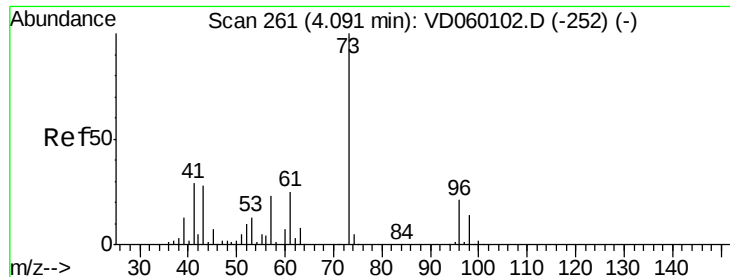
apatel  
10/2/2018 12:31:26 PM



#18  
Methyl Acetate  
Concen: 140.653 ug/l  
RT: 3.52 min Scan# 203  
Delta R.T. -0.01 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Tgt Ion: 43 Resp: 677704  
Ion Ratio Lower Upper  
43 100  
74 15.7 12.6 19.0





#19

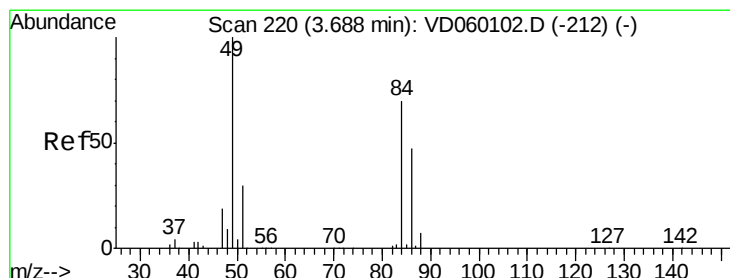
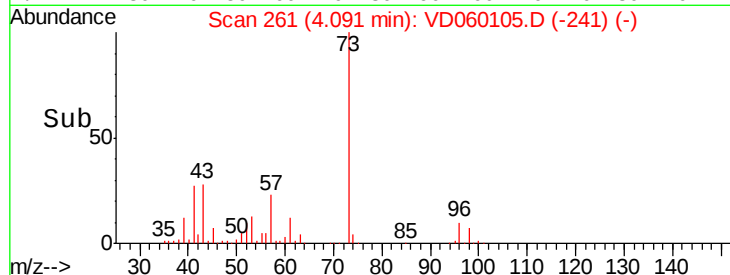
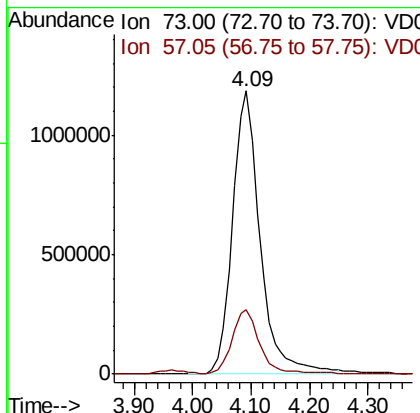
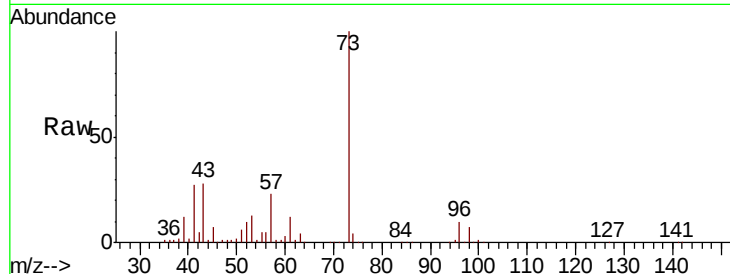
Methyl tert-butyl Ether  
 Concen: 131.191 ug/l  
 RT: 4.09 min Scan# 261  
 Delta R.T. 0.00 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDIC150

Tot Ion: 73 Resp: 3895143  
 Ion Ratio Lower Upper  
 73 100  
 57 22.9 18.7 28.1

Manual Integrations  
 APPROVED

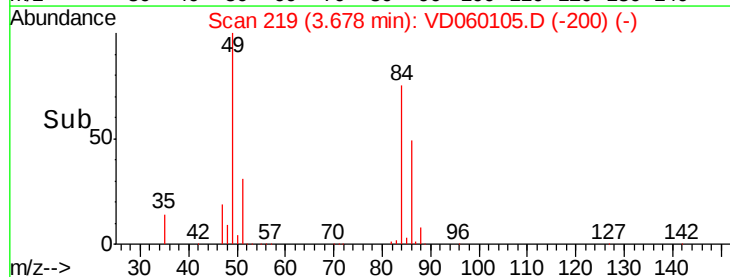
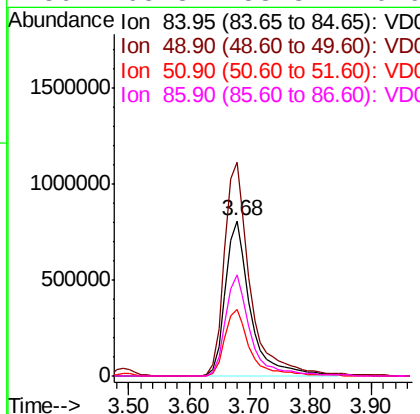
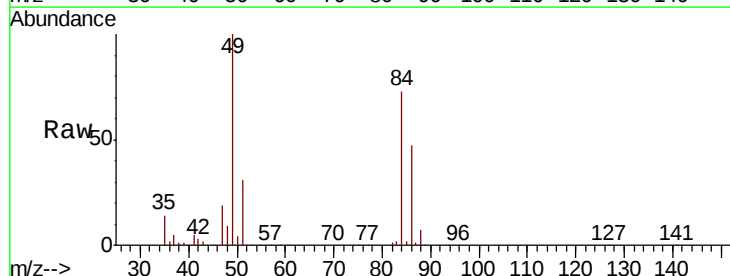
apatel  
 10/2/2018 12:31:26 PM

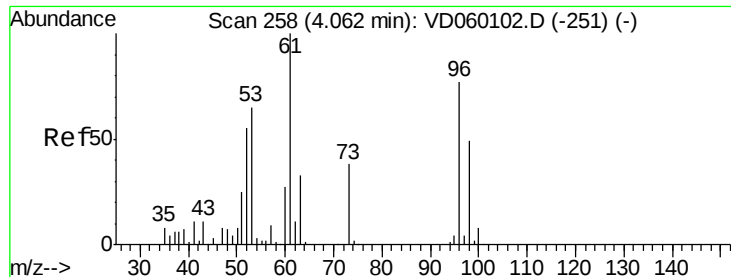


#20

Methylene Chloride  
 Concen: 116.457 ug/l  
 RT: 3.68 min Scan# 219  
 Delta R.T. -0.01 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Tgt Ion: 84 Resp: 2323648  
 Ion Ratio Lower Upper  
 84 100  
 49 137.8 114.6 172.0  
 51 43.1 33.8 50.8  
 86 65.3 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 133.590 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 2258440

Ion Ratio Lower Upper

96 100

61 125.9 103.3 154.9

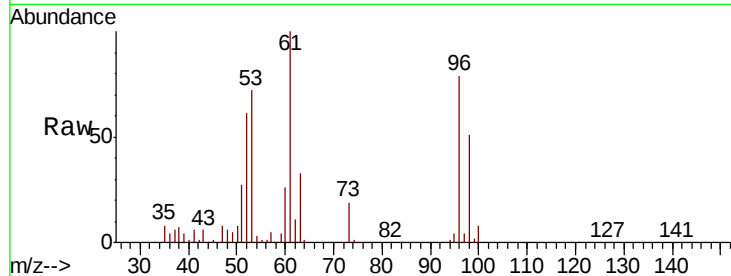
98 63.9 50.4 75.6

Manual Integrations

APPROVED

apatel

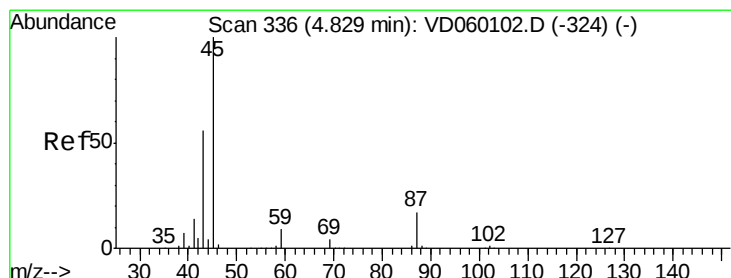
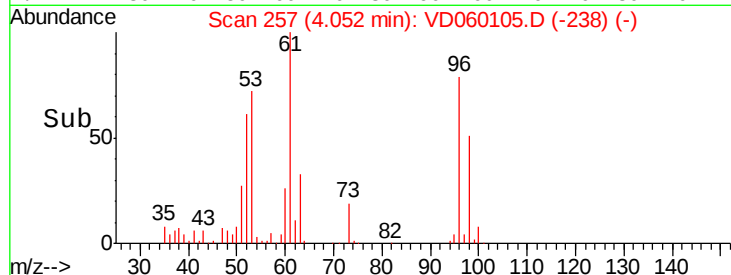
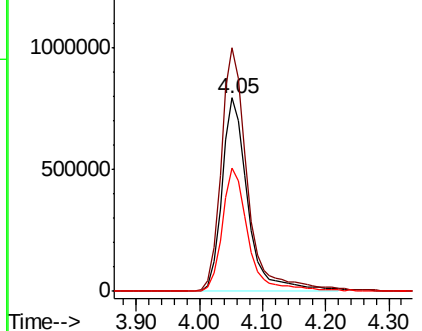
10/2/2018 12:31:26 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 130.566 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Tgt Ion: 45 Resp: 8023018

Ion Ratio Lower Upper

45 100

43 59.8 44.8 67.2

87 18.0 13.9 20.9

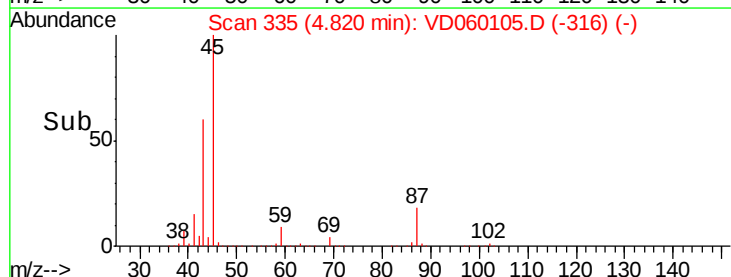
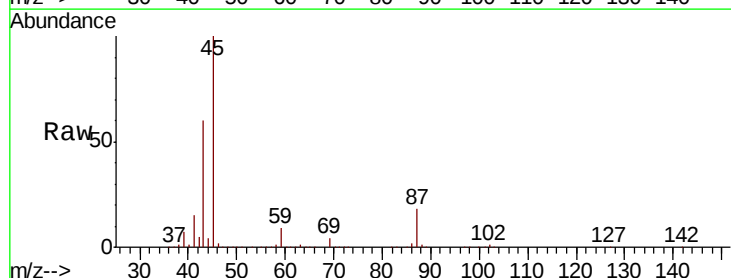
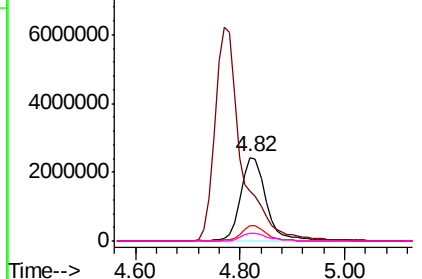
59 9.3 7.1 10.7

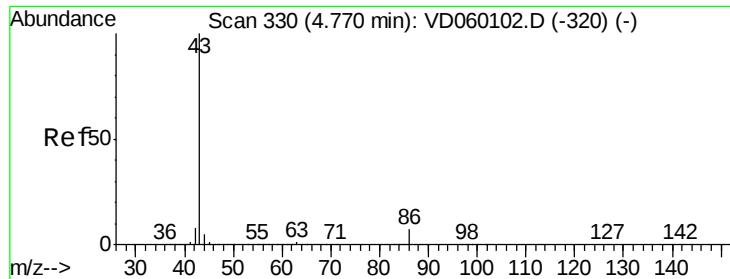
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 623.308 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 21736005

Ion Ratio Lower Upper

43 100

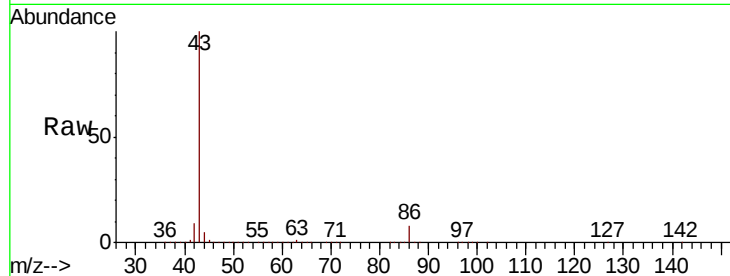
86 7.7 5.6 8.4

Manual Integrations

APPROVED

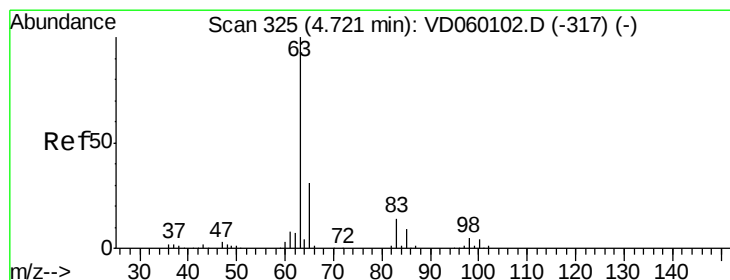
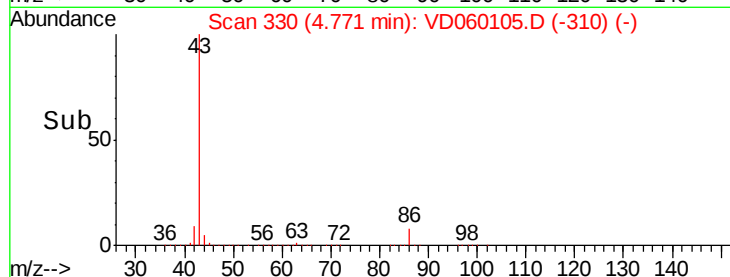
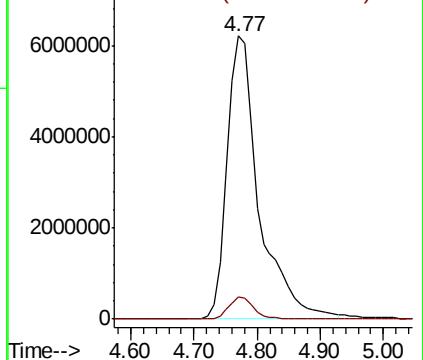
apatel

10/2/2018 12:31:26 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 137.595 ug/l

RT: 4.72 min Scan# 325

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

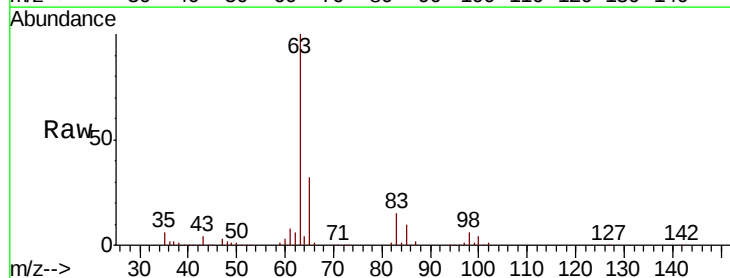
Tgt Ion: 63 Resp: 3817248

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

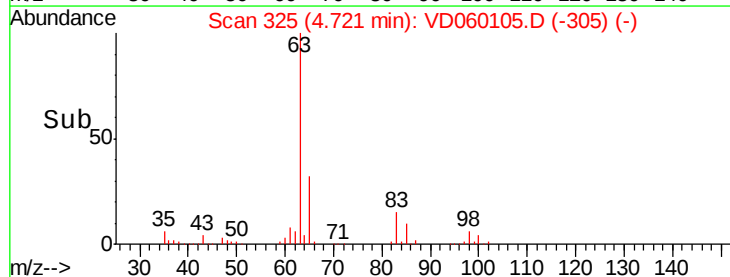
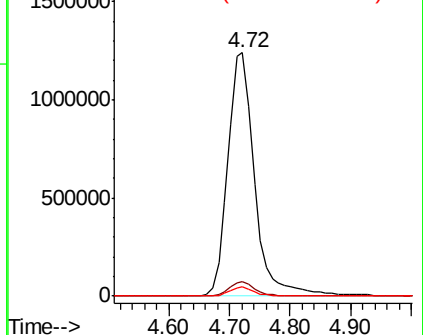
100 3.9 1.8 5.3

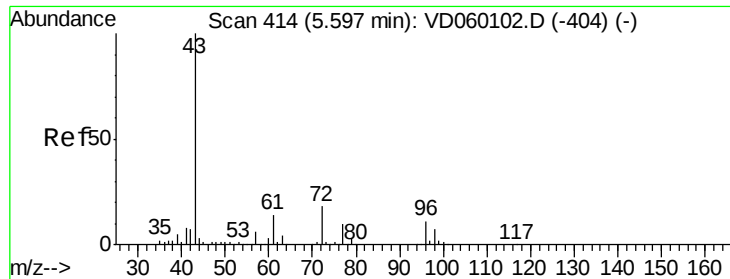


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 581.847 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3672798

Ion Ratio Lower Upper

43 100

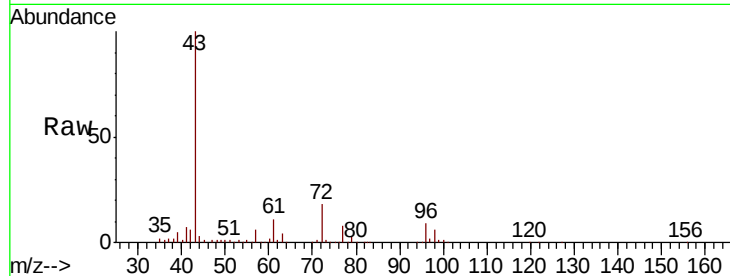
72 18.4 14.5 21.7

Manual Integrations

APPROVED

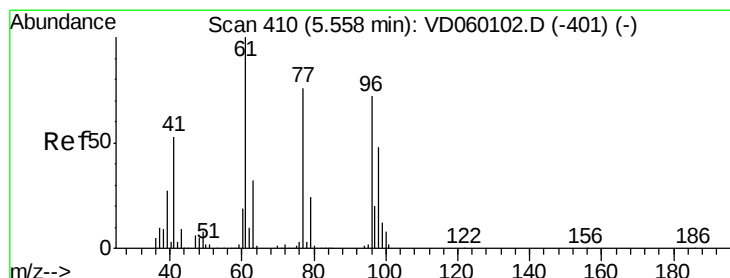
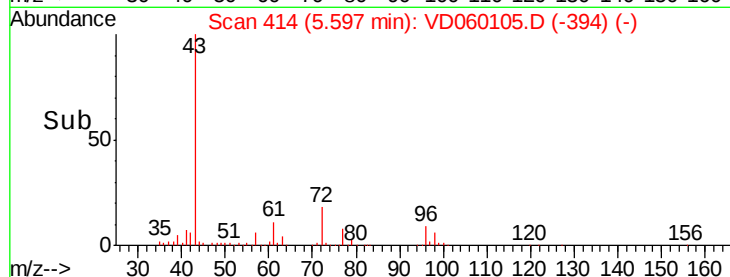
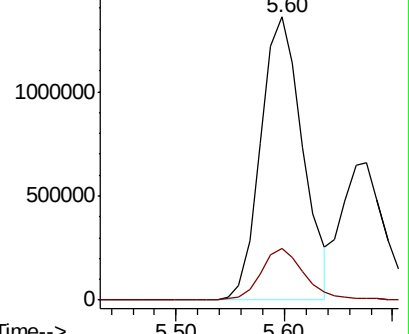
apatel

10/2/2018 12:31:26 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 121.172 ug/l

RT: 5.55 min Scan# 409

Delta R.T. -0.01 min

Lab File: VD060105.D

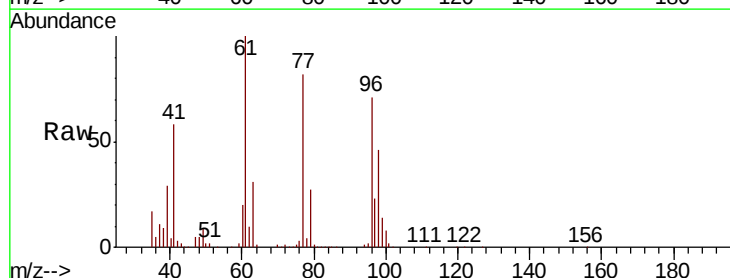
Acq: 1 Oct 2018 19:15

Tgt Ion: 77 Resp: 2601624

Ion Ratio Lower Upper

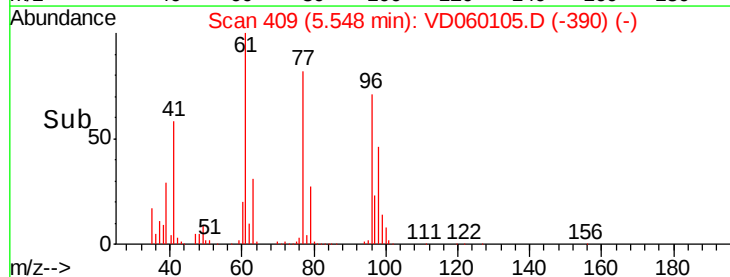
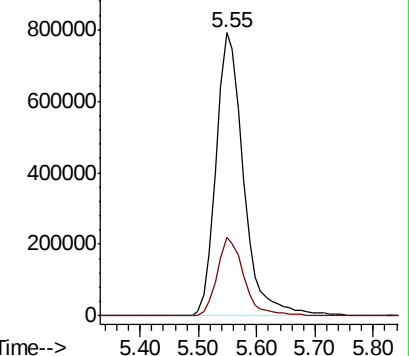
77 100

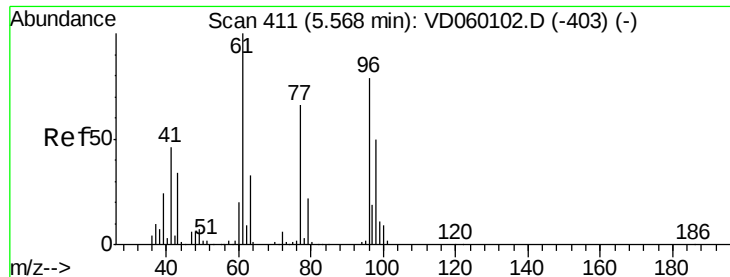
97 28.0 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

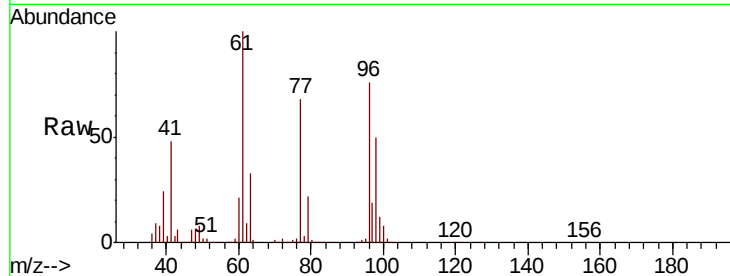
cis-1,2-Dichloroethene  
 Concen: 132.503 ug/l  
 RT: 5.56 min Scan# 410  
 Delta R.T. -0.01 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

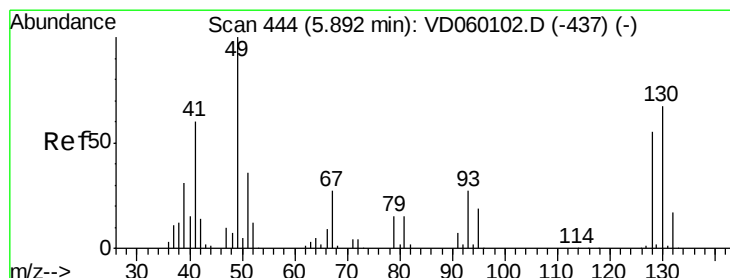
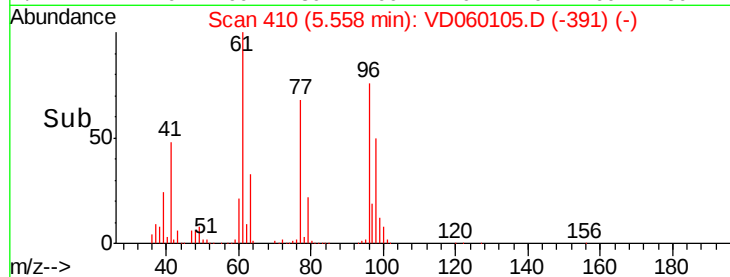
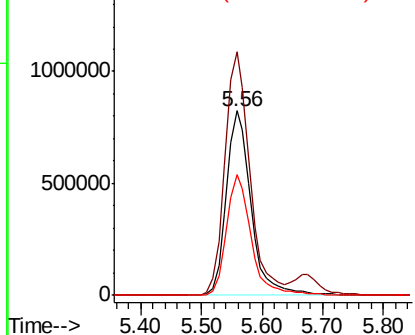
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 132.2 | 0.0   | 251.8 |
| 98      | 65.5  | 0.0   | 125.2 |

Manual Integrations  
 APPROVED

apatel  
 10/2/2018 12:31:26 PM



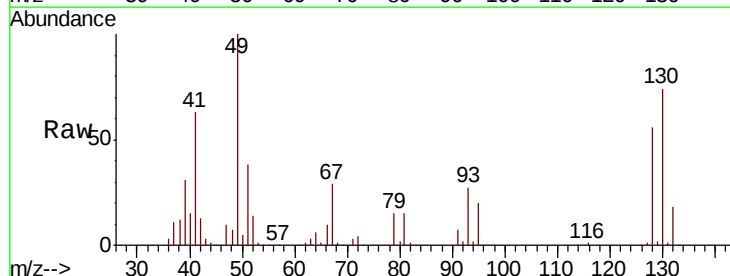
Abundance Ion 95.90 (95.60 to 96.60): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 97.85 (97.55 to 98.55): VDC



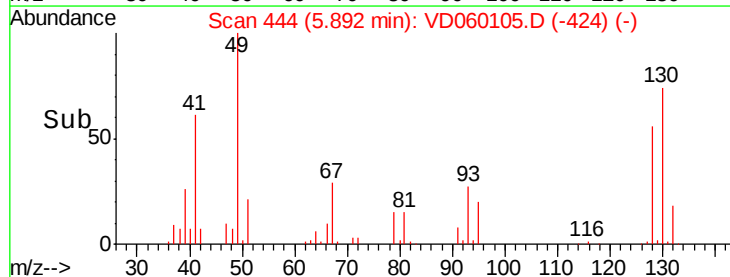
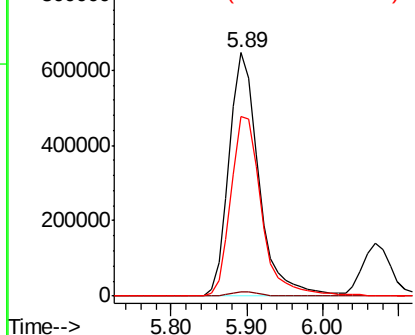
#28

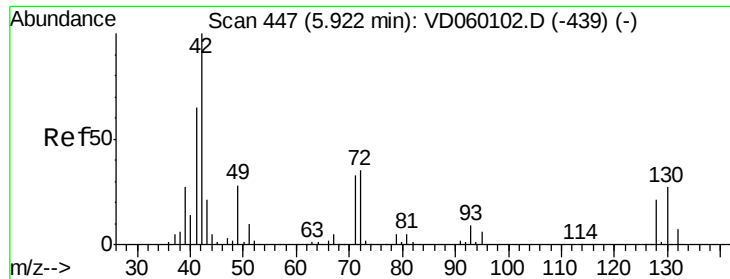
Bromochloromethane  
 Concen: 130.330 ug/l  
 RT: 5.89 min Scan# 444  
 Delta R.T. 0.00 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.8   | 0.0   | 3.6   |
| 130     | 73.5  | 53.9  | 80.9  |



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





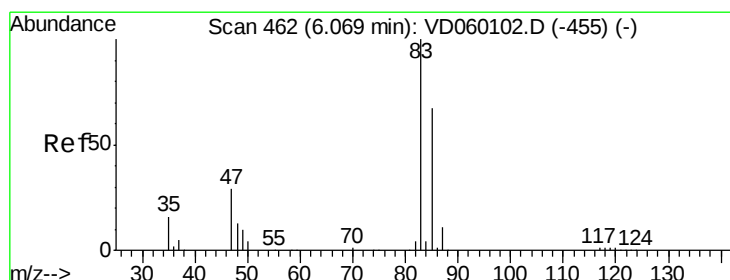
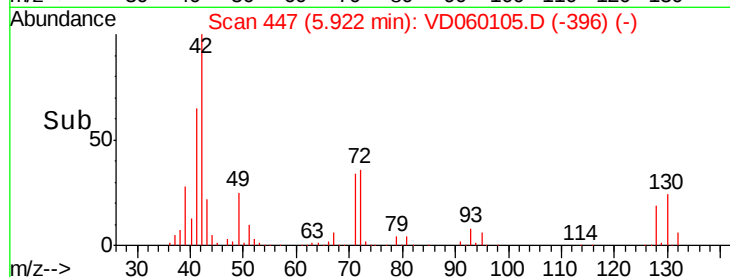
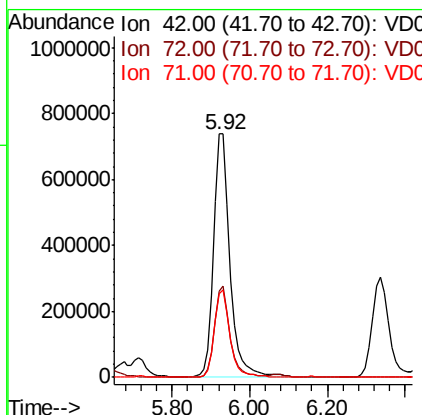
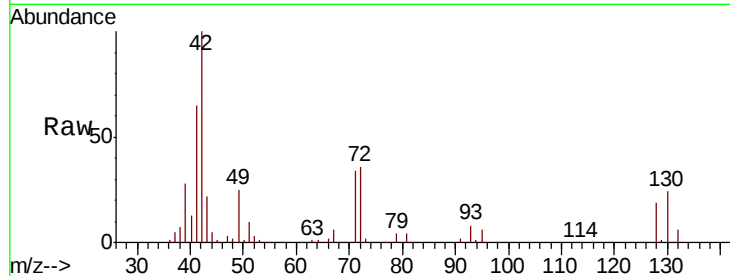
#29  
Tetrahydrofuran  
Concen: 637.037 ug/l  
RT: 5.92 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion: 42 Resp: 2156511  
Ion Ratio Lower Upper  
42 100  
72 35.0 26.9 40.3  
71 34.6 26.7 40.1

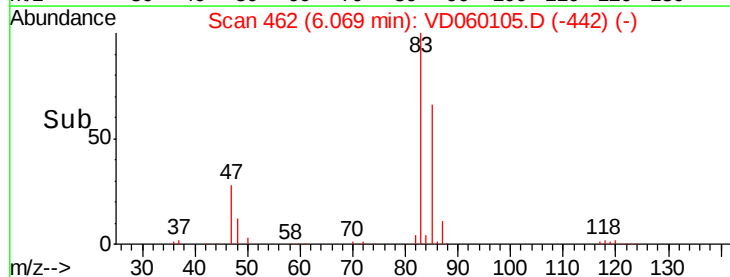
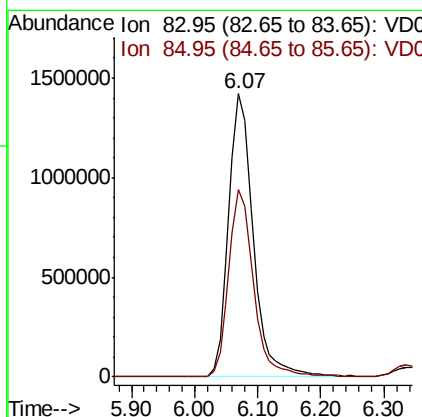
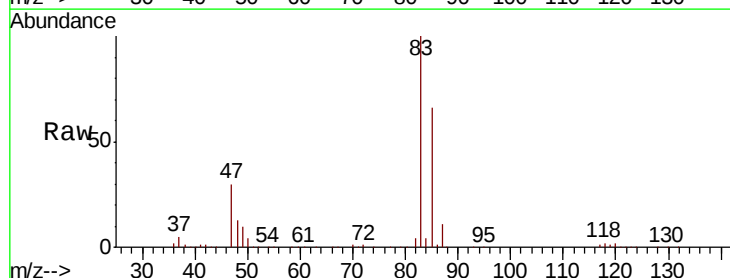
Manual Integrations  
APPROVED

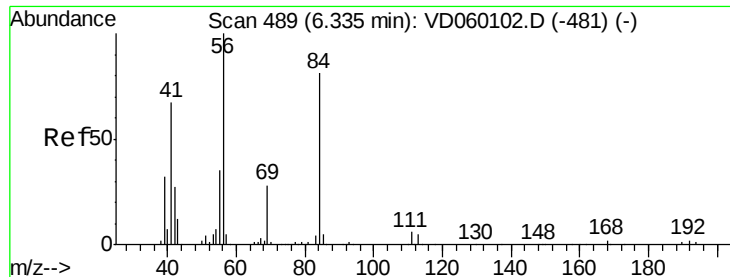
apatel  
10/2/2018 12:31:26 PM



#30  
Chloroform  
Concen: 137.399 ug/l  
RT: 6.07 min Scan# 462  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Tgt Ion: 83 Resp: 3849443  
Ion Ratio Lower Upper  
83 100  
85 66.3 53.8 80.8





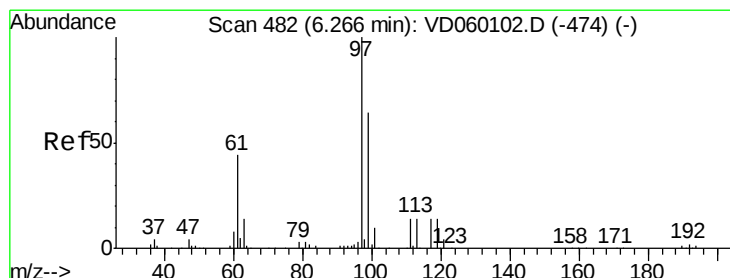
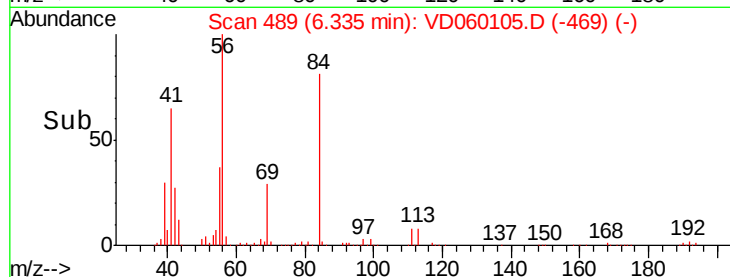
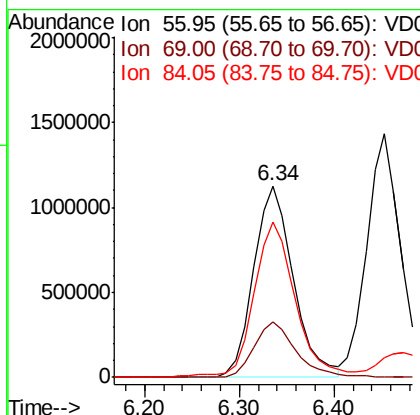
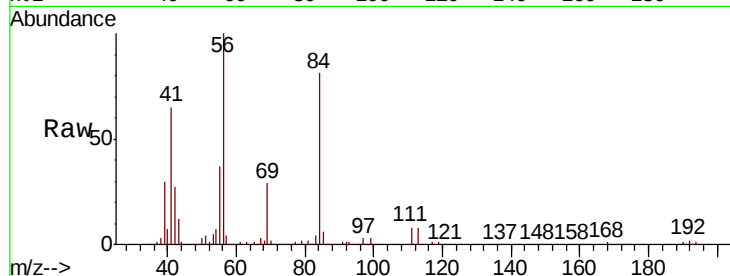
#31  
Cyclohexane  
Concen: 122.450 ug/l  
RT: 6.34 min Scan# 489  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 29.2  | 22.8  | 34.2  |
| 84      | 81.3  | 64.9  | 97.3  |

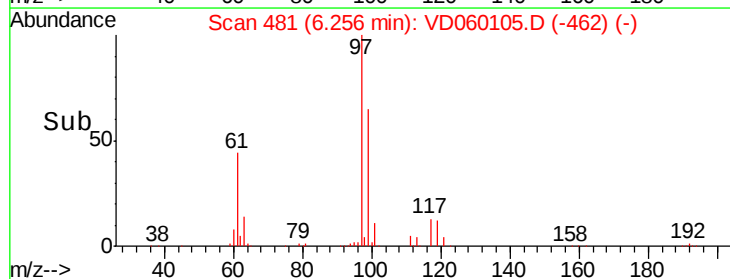
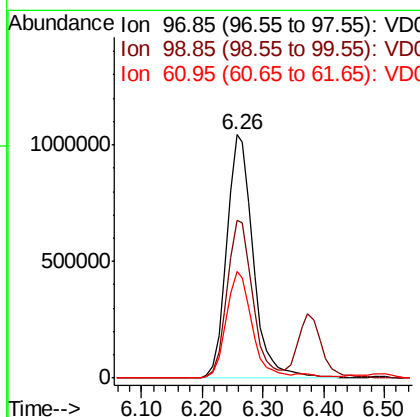
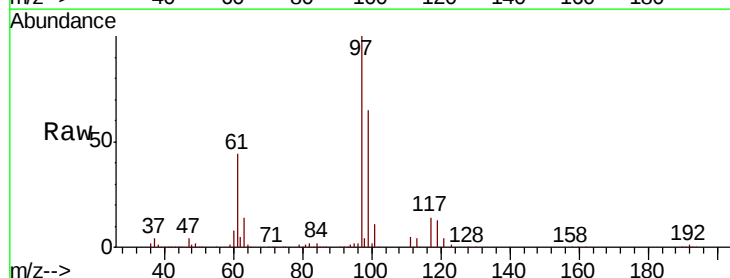
Manual Integrations  
APPROVED

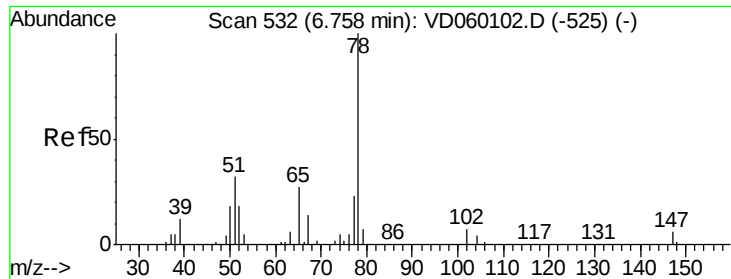
apatel  
10/2/2018 12:31:26 PM



#32  
1,1,1-Trichloroethane  
Concen: 136.213 ug/l  
RT: 6.26 min Scan# 481  
Delta R.T. -0.01 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.8  | 51.4  | 77.0  |
| 61      | 43.9  | 35.5  | 53.3  |





#33

1,2-Dichloroethane-d4

Concen: 136.213 ug/l

RT: 6.76 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Tot Ion: 65 Resp: 1630912

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.2

Instrument :

MSVOA\_D

ClientSampleId :

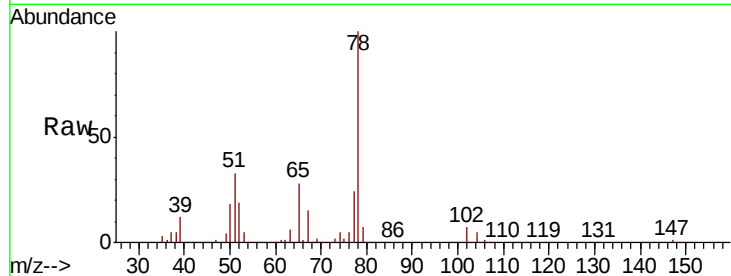
VSTDIC150

Manual Integrations

APPROVED

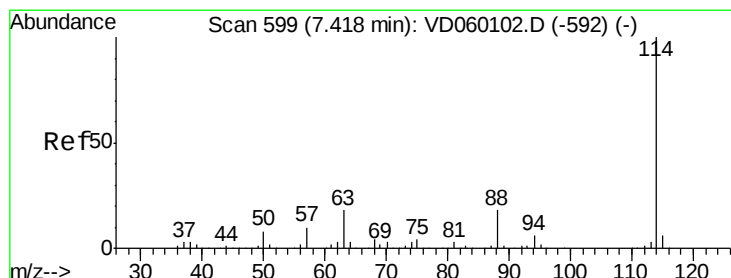
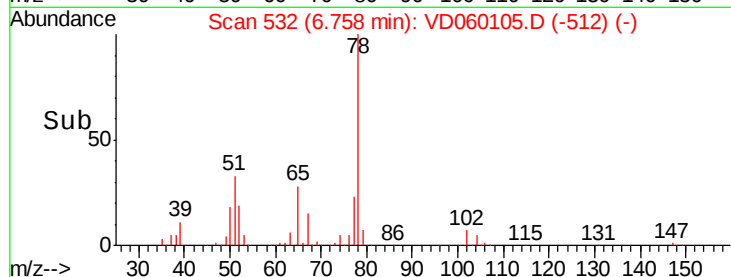
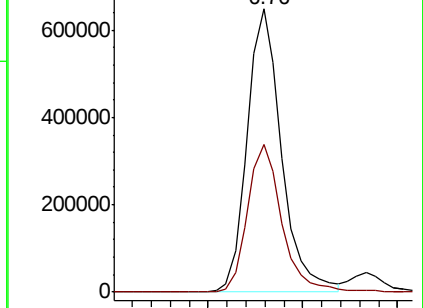
apatel

10/2/2018 12:31:26 PM



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

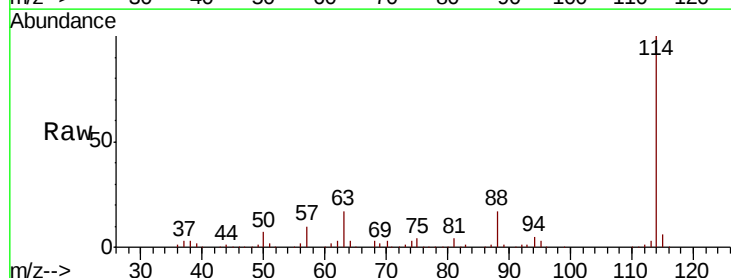
Tgt Ion:114 Resp: 2160119

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.0

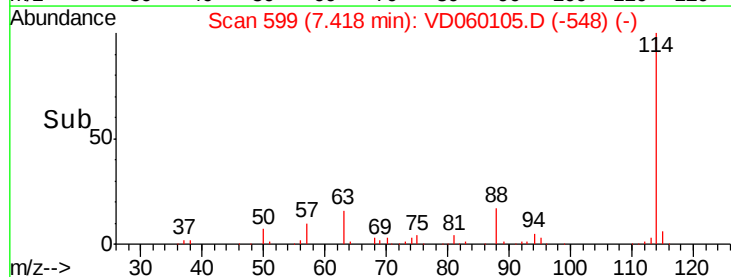
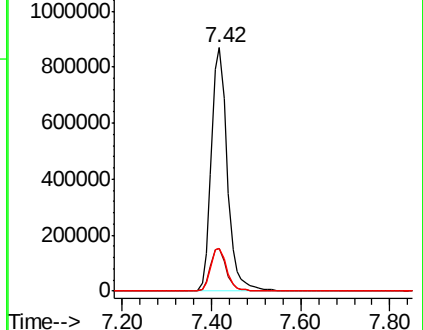
88 17.5 0.0 36.2

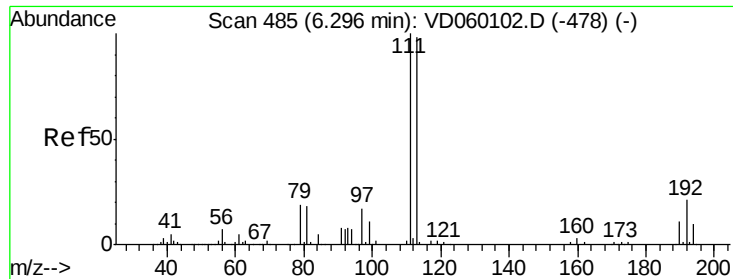


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 485

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion:113 Resp: 2370491

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.7 | 81.5  | 122.3 |
| 192 | 22.3  | 17.4  | 26.0  |

113 100

111 101.7 81.5 122.3

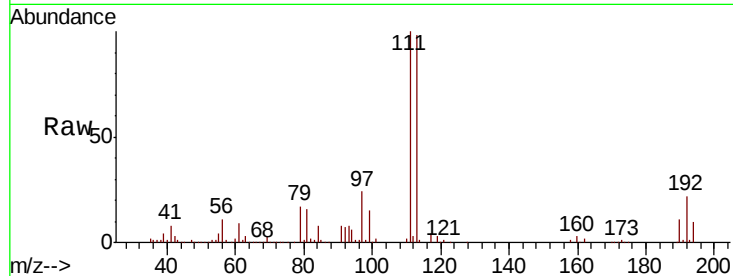
192 22.3 17.4 26.0

Manual Integrations

APPROVED

apatel

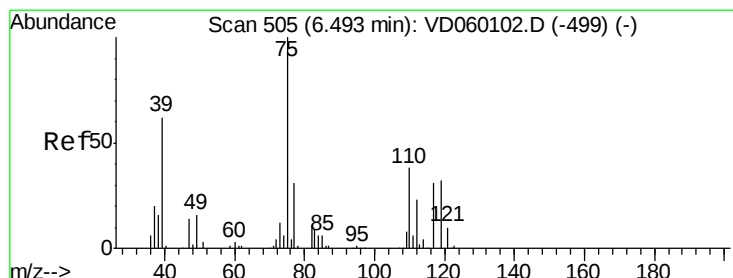
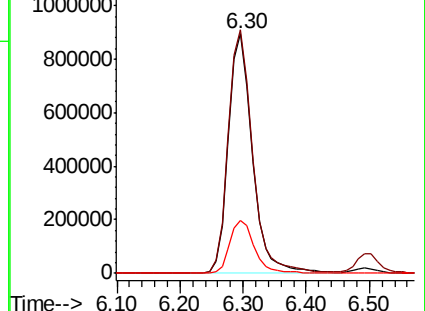
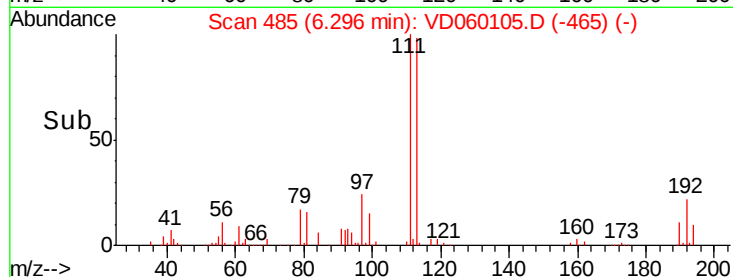
10/2/2018 12:31:26 PM



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 124.847 ug/l

RT: 6.49 min Scan# 505

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

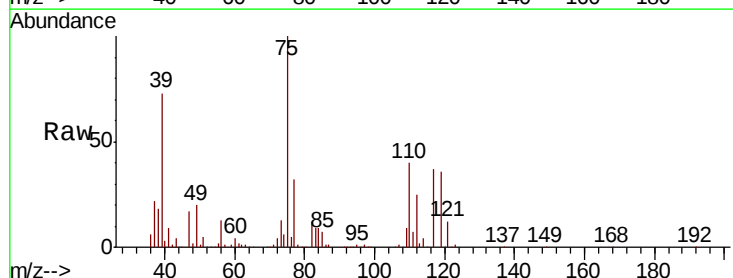
Tgt Ion: 75 Resp: 2638592

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 39.9  | 19.0  | 57.0  |
| 77  | 32.2  | 24.9  | 37.3  |

75 100

110 39.9 19.0 57.0

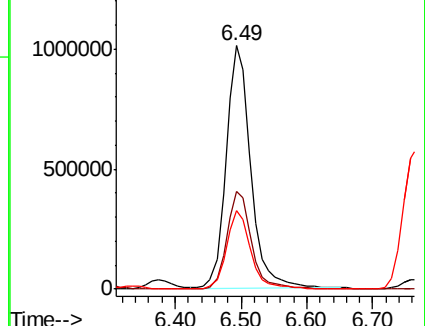
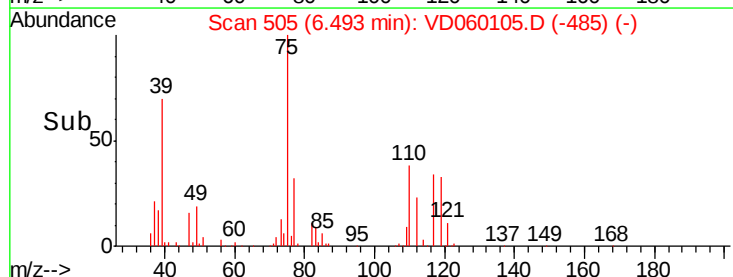
77 32.2 24.9 37.3

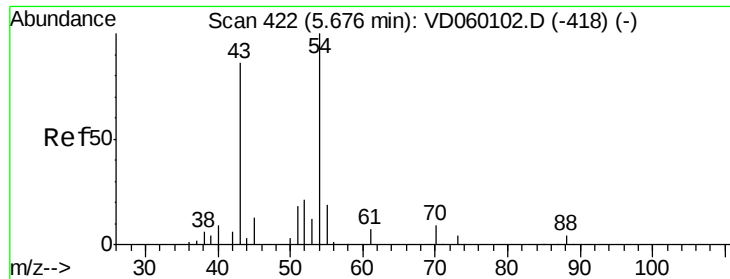


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





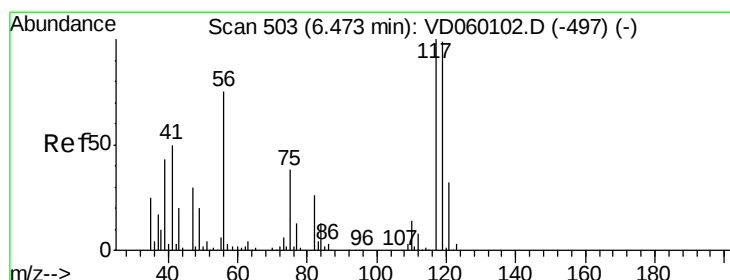
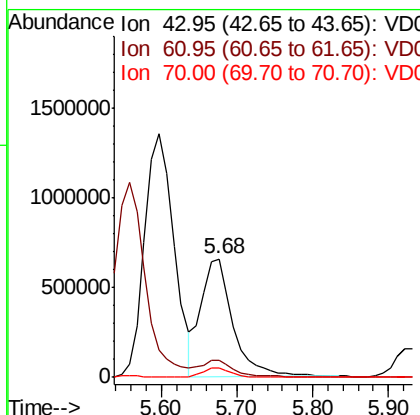
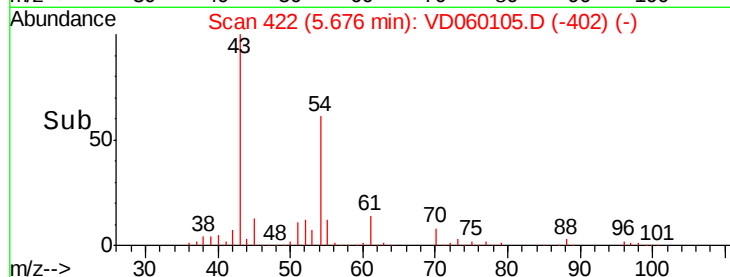
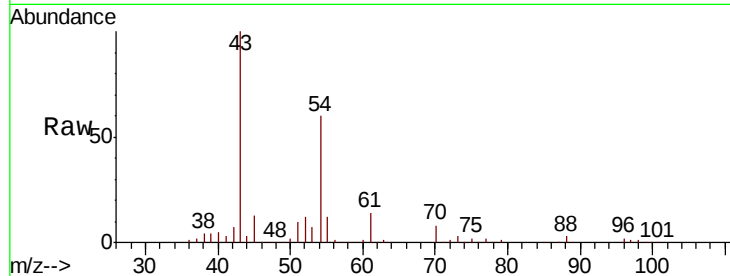
#37  
Ethyl Acetate  
Concen: 131.706 ug/l  
RT: 5.68 min Scan# 422  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Instrument :  
MSVOA\_D  
ClientSampleID :  
VSTDIC150

Tot Ion: 43 Resp: 1922010  
Ion Ratio Lower Upper  
43 100  
61 14.3 10.5 15.7  
70 8.0 6.3 9.5

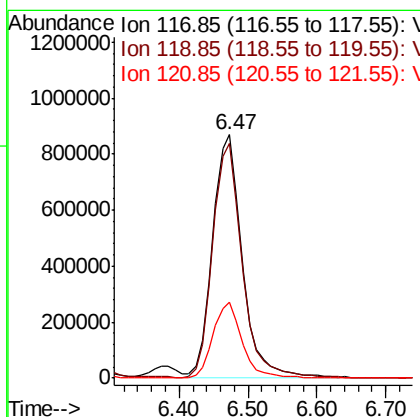
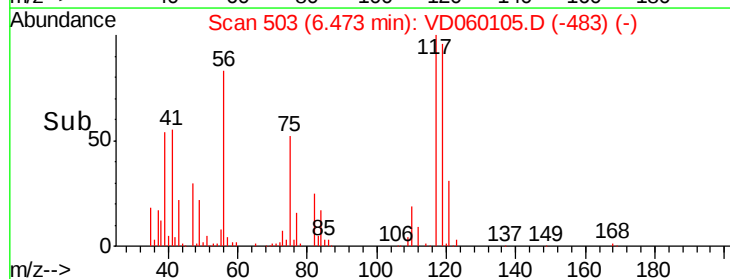
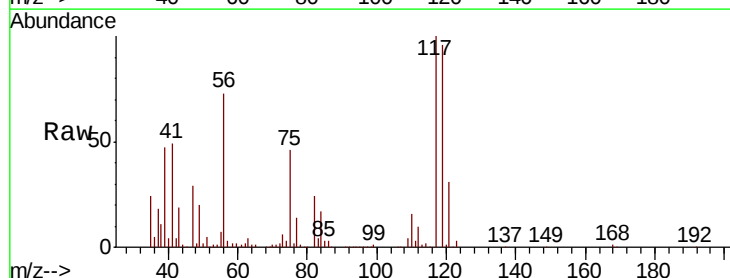
Manual Integrations  
APPROVED

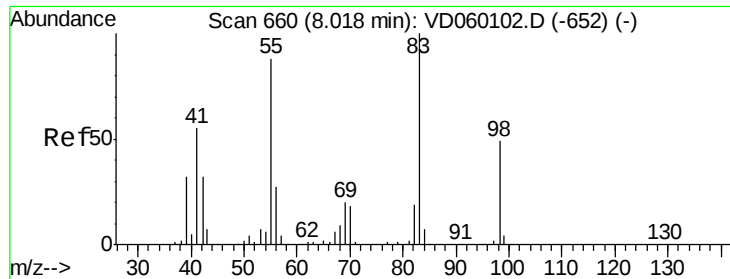
apatel  
10/2/2018 12:31:26 PM



#38  
Carbon Tetrachloride  
Concen: 130.284 ug/l  
RT: 6.47 min Scan# 503  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Tgt Ion: 117 Resp: 2556978  
Ion Ratio Lower Upper  
117 100  
119 96.5 77.8 116.6  
121 31.4 24.8 37.2





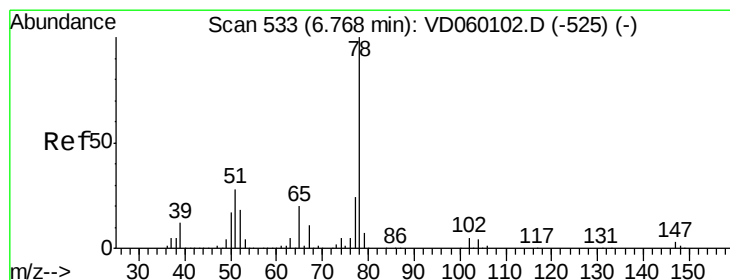
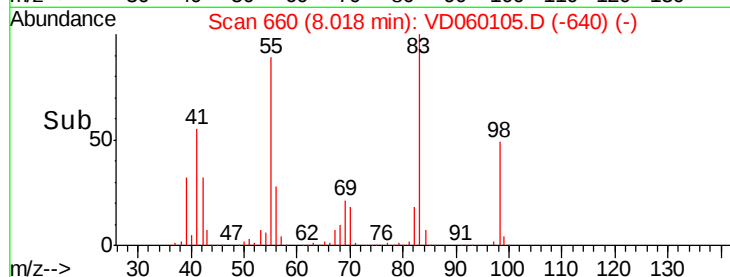
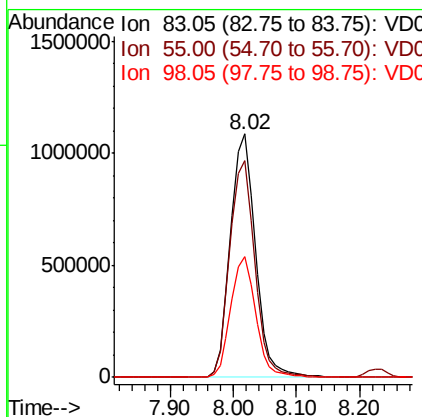
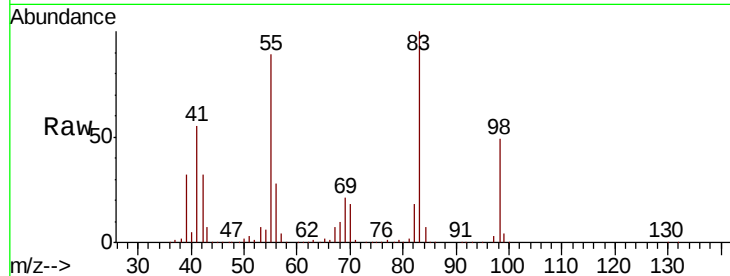
#39  
Methvlcvclohexane  
Concen: 124.978 ug/l  
RT: 8.02 min Scan# 660  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion: 83 Resp: 2996825  
Ion Ratio Lower Upper  
83 100  
55 89.0 70.5 105.7  
98 49.5 39.4 59.2

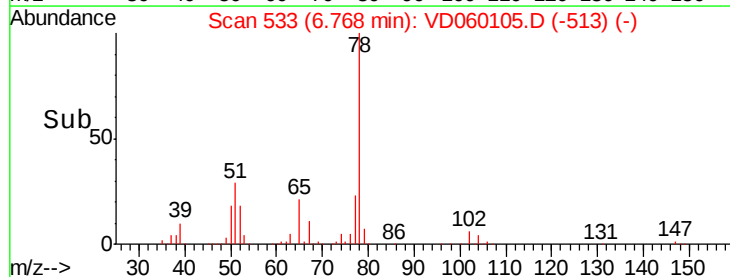
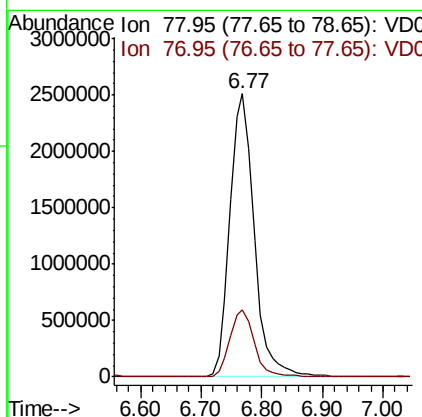
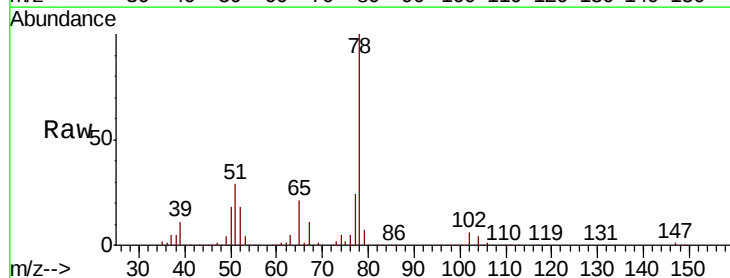
Manual Integrations  
APPROVED

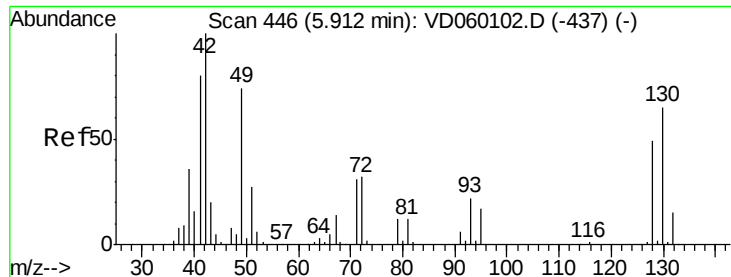
apatel  
10/2/2018 12:31:26 PM



#40  
Benzene  
Concen: 130.525 ug/l  
RT: 6.77 min Scan# 533  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Tgt Ion: 78 Resp: 7039999  
Ion Ratio Lower Upper  
78 100  
77 23.9 19.0 28.4





#41

Methacrylonitrile

Concen: 113.589 ug/l m

RT: 5.90 min Scan# 445

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Tot Ion: 41 Resp: 881980

Ion Ratio Lower Upper

41 100

39 47.1 36.0 54.0

67 37.5 13.9 20.9#

52 16.0 6.1 9.1#

Instrument :

MSVOA\_D

ClientSampleId :

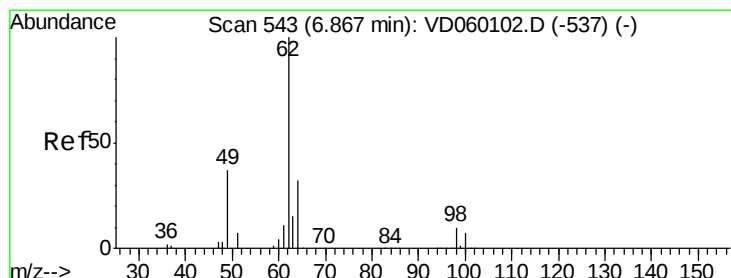
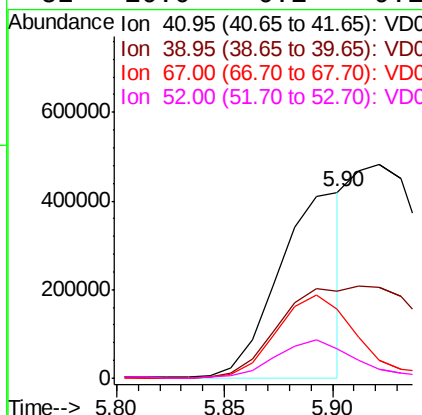
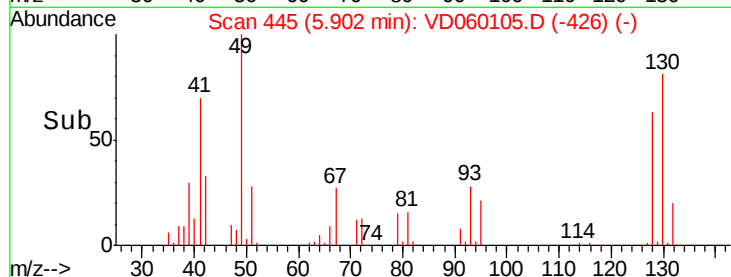
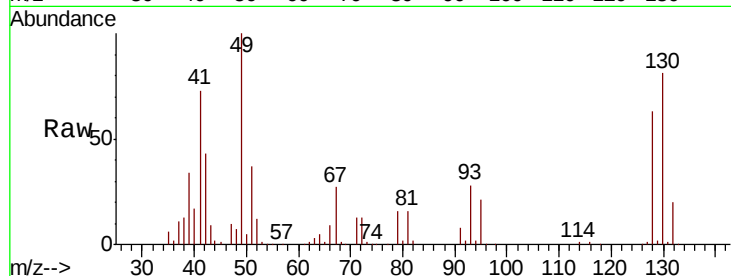
VSTDIC150

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:26 PM



#42

1,2-Dichloroethane

Concen: 136.179 ug/l

RT: 6.87 min Scan# 543

Delta R.T. 0.00 min

Lab File: VD060105.D

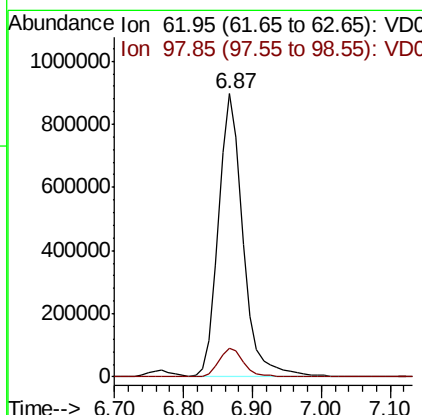
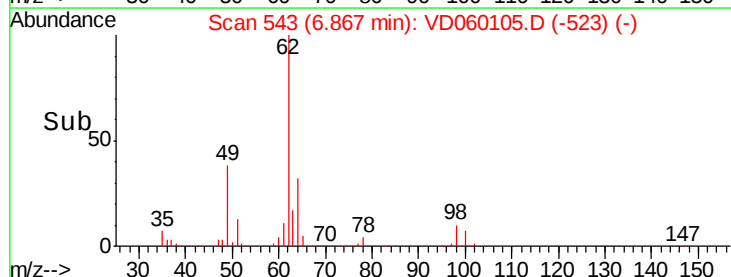
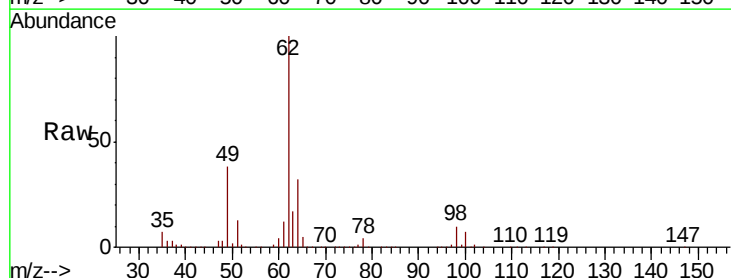
Acq: 1 Oct 2018 19:15

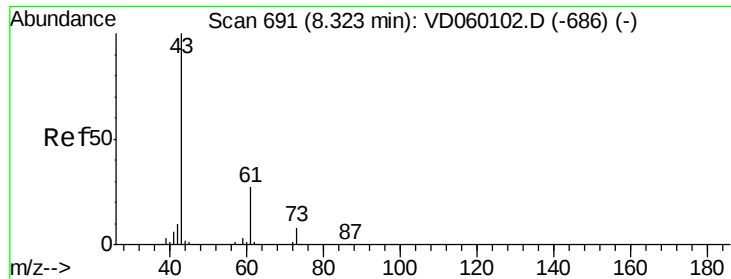
Tgt Ion: 62 Resp: 2202894

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.6





#43

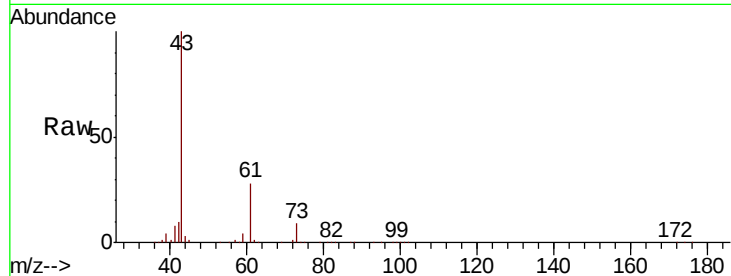
Isopropyl Acetate  
 Concen: 139.482 ug/l  
 RT: 8.33 min Scan# 692  
 Delta R.T. 0.01 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

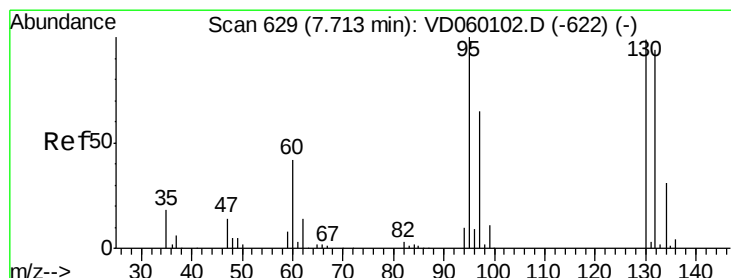
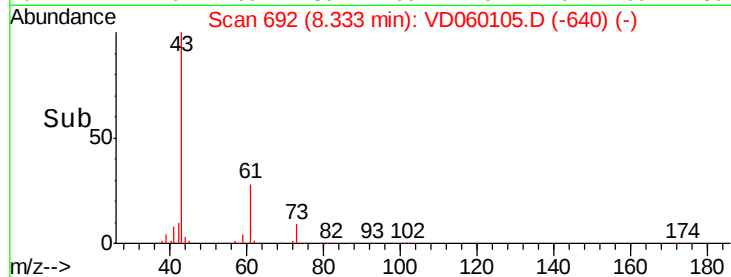
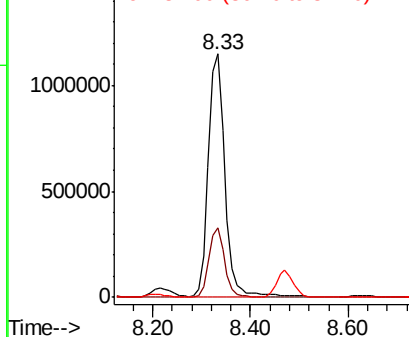
Tot Ion: 43 Resp: 2697163  
 Ion Ratio Lower Upper  
 43 100  
 61 28.4 21.4 32.2  
 87 0.2 0.2 0.2

Manual Integrations  
 APPROVED

apatel  
 10/2/2018 12:31:26 PM



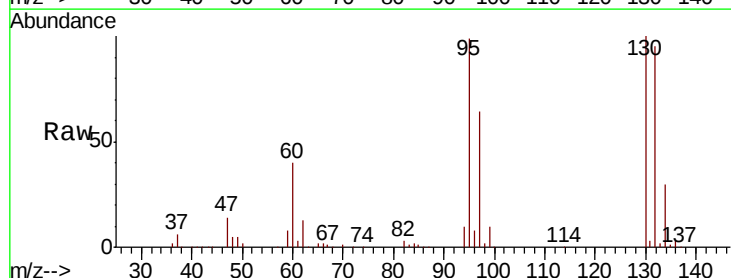
Abundance Ion 42.95 (42.65 to 43.65): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 87.00 (86.70 to 87.70): VDC



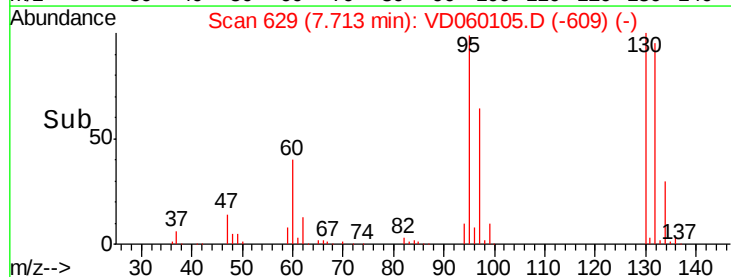
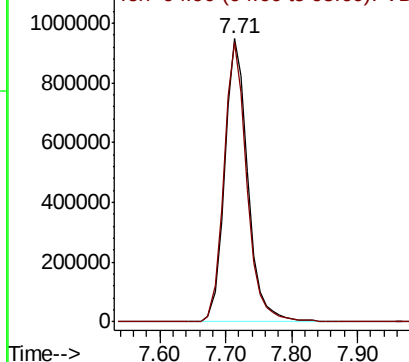
#44

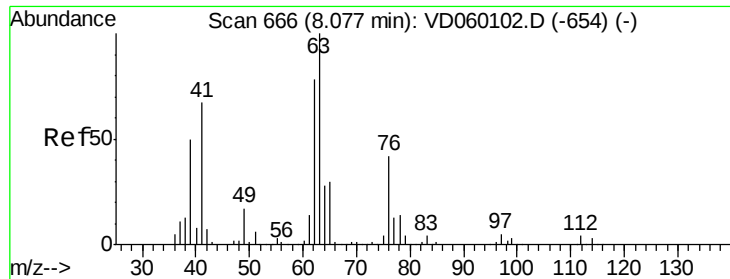
Trichloroethene  
 Concen: 138.915 ug/l  
 RT: 7.71 min Scan# 629  
 Delta R.T. 0.00 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Tgt Ion:130 Resp: 2327139  
 Ion Ratio Lower Upper  
 130 100  
 95 98.9 0.0 202.2



Abundance Ion 129.80 (129.50 to 130.50): VDC  
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 137.274 ug/l

RT: 8.08 min Scan# 666

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1981854

Ion Ratio Lower Upper

63 100

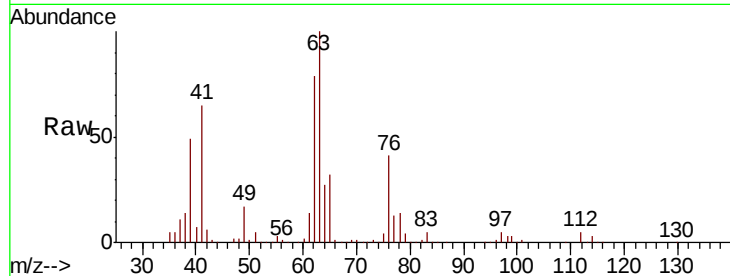
65 32.0 24.1 36.1

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:26 PM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.08

800000

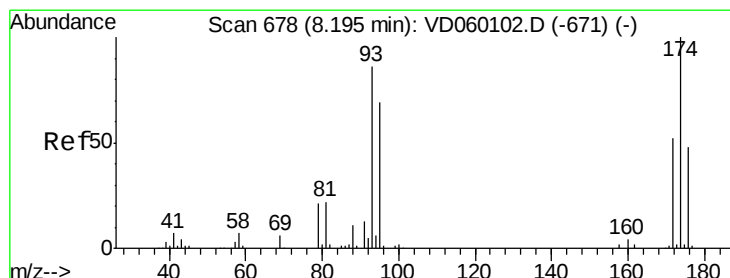
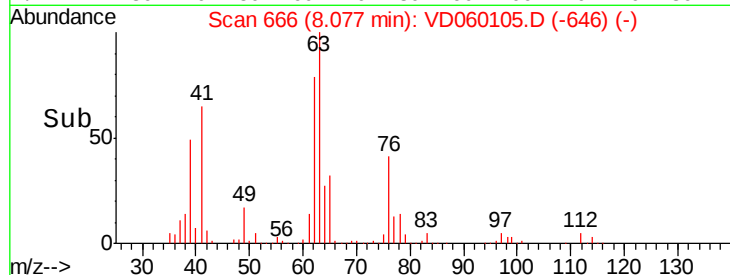
600000

400000

200000

0

Time-->



#46

Dibromomethane

Concen: 142.705 ug/l

RT: 8.20 min Scan# 678

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

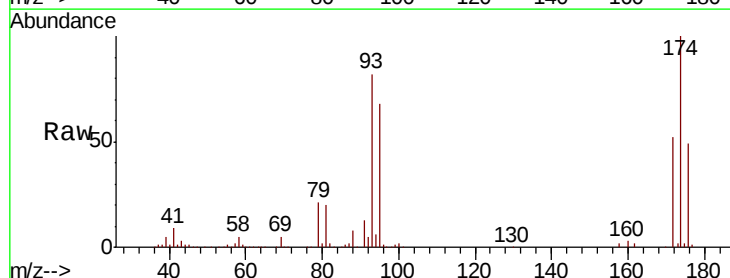
Tgt Ion: 93 Resp: 1339153

Ion Ratio Lower Upper

93 100

95 83.2 63.8 95.6

174 122.4 92.9 139.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.20

800000

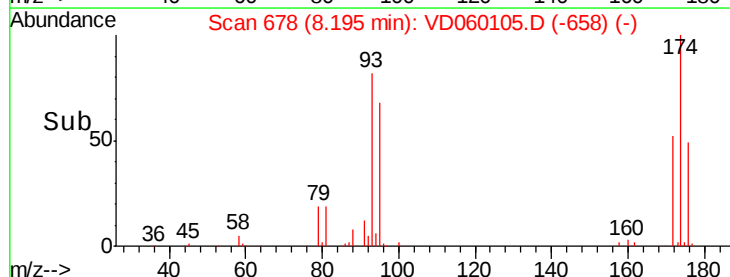
600000

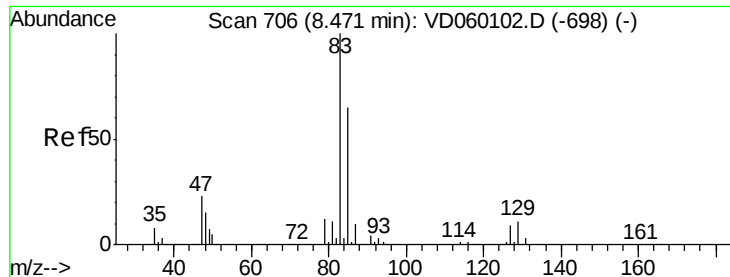
400000

200000

0

Time-->





#47

Bromodichloromethane

Concen: 141.840 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 2877383

Ion Ratio Lower Upper

83 100

85 65.7 52.2 78.2

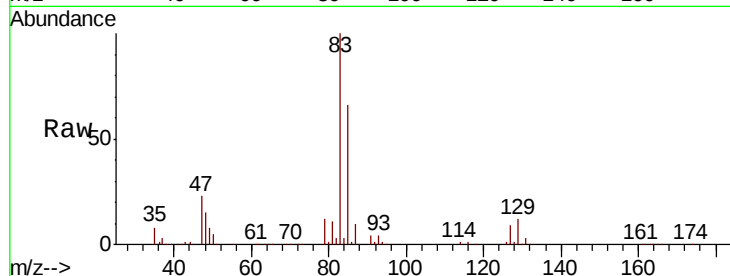
127 9.2 7.4 11.0

Manual Integrations

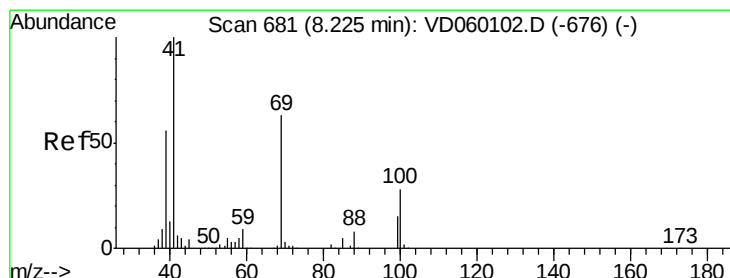
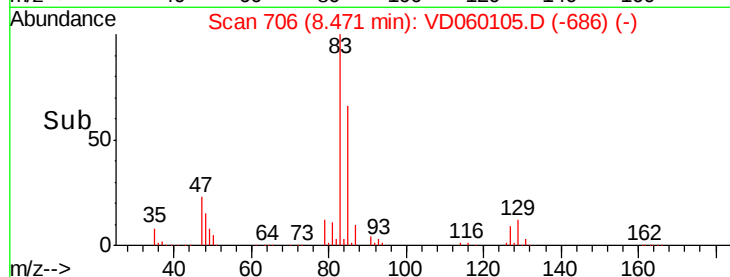
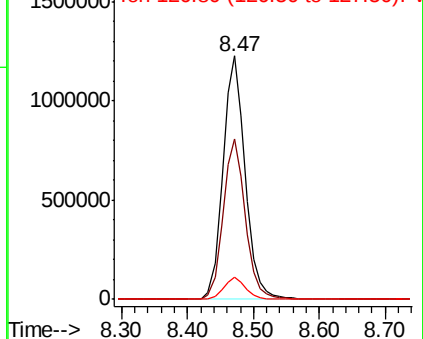
APPROVED

apatel

10/2/2018 12:31:26 PM



Abundance Ion 82.85 (82.55 to 83.55): VDC  
Ion 84.95 (84.65 to 85.65): VDC  
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 137.208 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

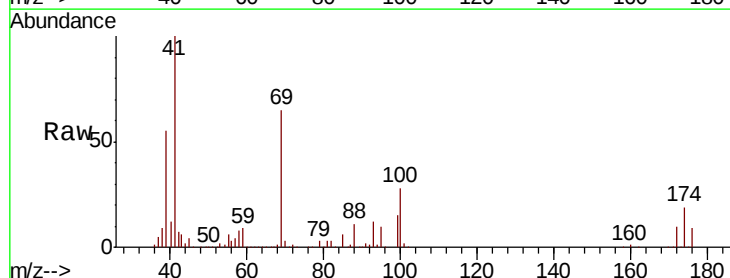
Tgt Ion: 41 Resp: 1479123

Ion Ratio Lower Upper

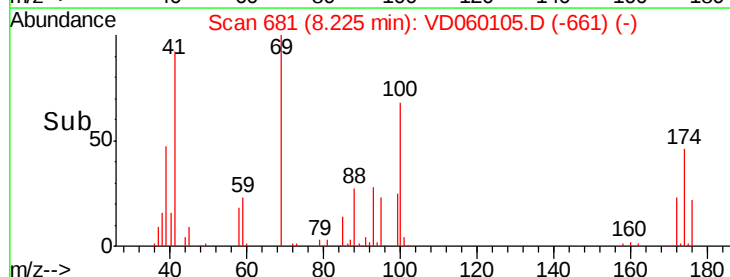
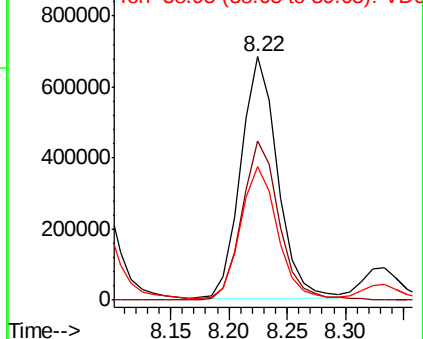
41 100

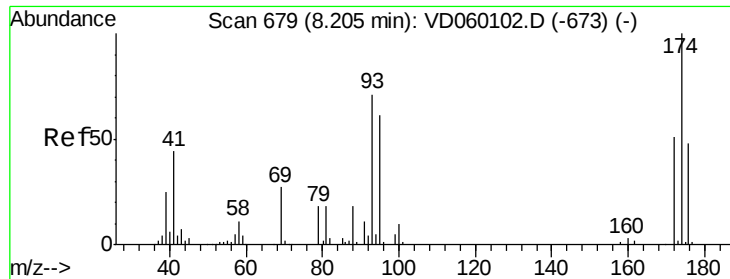
69 65.3 49.7 74.5

39 55.0 45.2 67.8



Abundance Ion 40.95 (40.65 to 41.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 38.95 (38.65 to 39.65): VDC





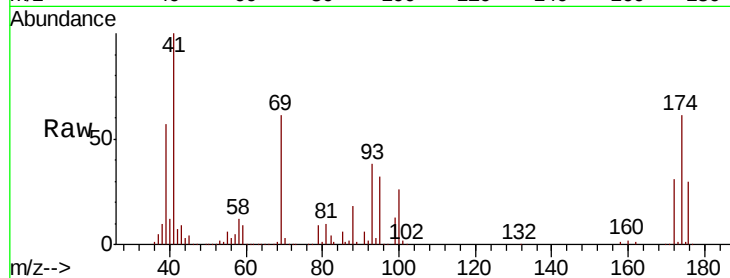
#49  
1,4-Dioxane  
Concen: 2803.053 ug/l  
RT: 8.21 min Scan# 680  
Delta R.T. 0.01 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 50.0  | 33.7  | 50.5  |
| 58      | 68.3  | 49.1  | 73.7  |

Manual Integrations  
APPROVED

apatel  
10/2/2018 12:31:26 PM

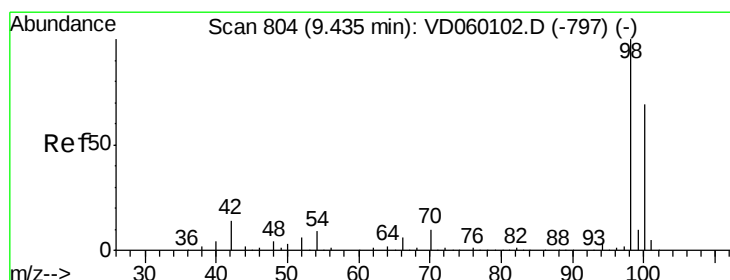
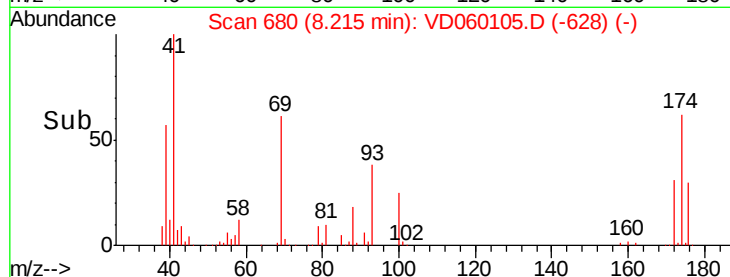
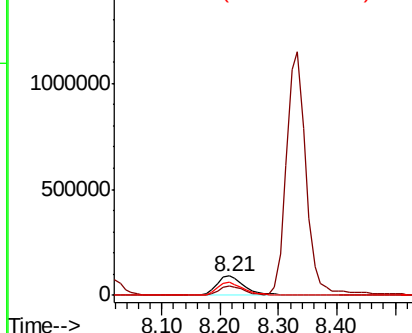


Abundance

Ion 88.00 (87.70 to 88.70): VDC

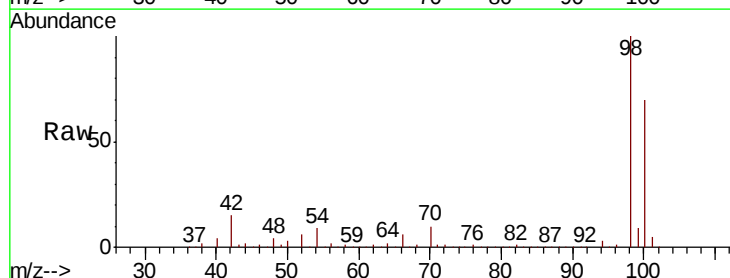
Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50  
Toluene-d8  
Concen: 2803.053 ug/l  
RT: 9.44 min Scan# 804  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

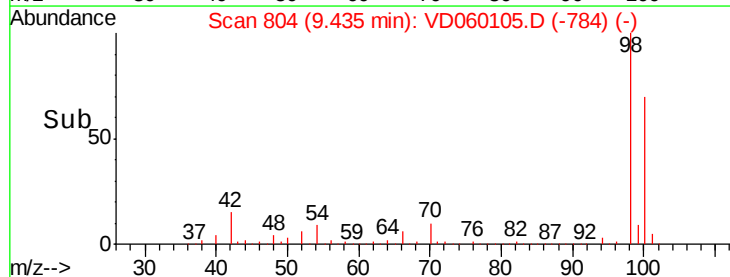
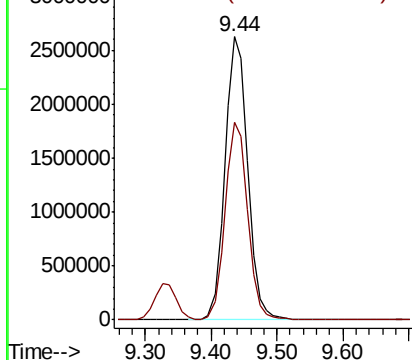
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 70.0  | 55.4  | 83.0  |

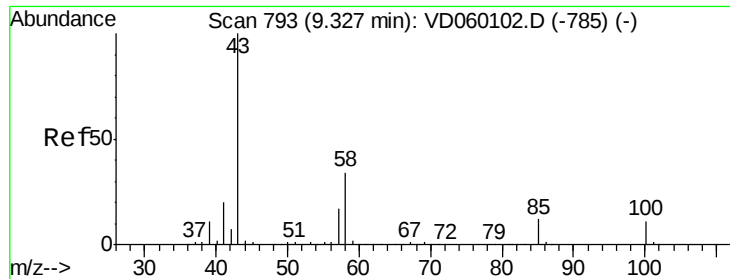


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 546.418 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 7248512

Ion Ratio Lower Upper

43 100

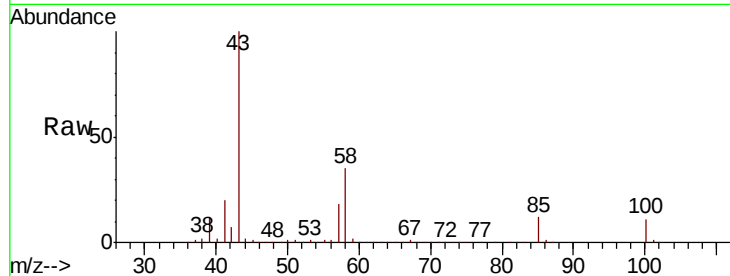
58 34.5 27.2 40.8

Manual Integrations

APPROVED

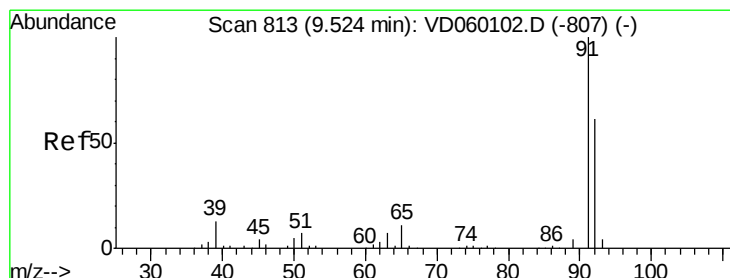
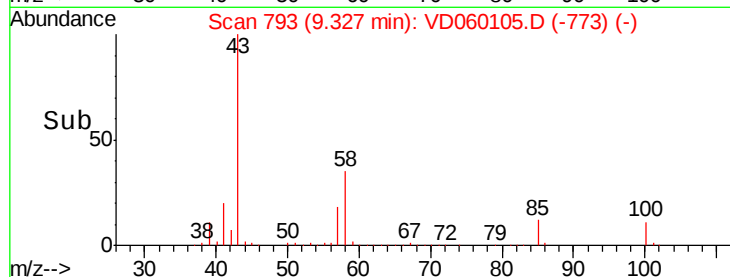
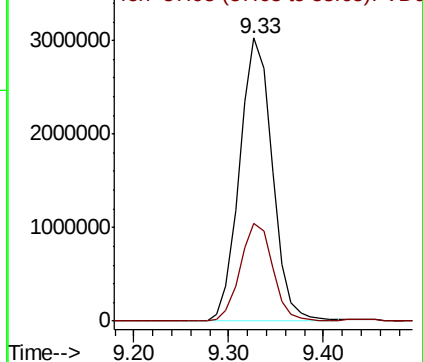
apatel

10/2/2018 12:31:26 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 130.385 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060105.D

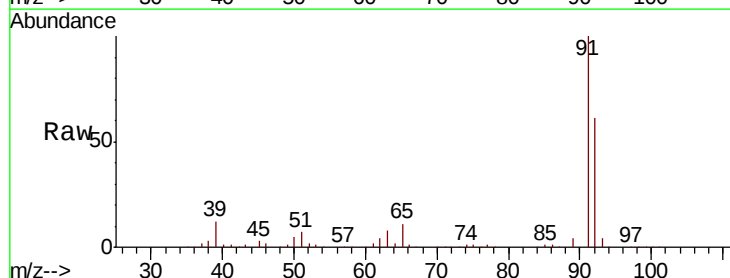
Acq: 1 Oct 2018 19:15

Tgt Ion: 92 Resp: 4538831

Ion Ratio Lower Upper

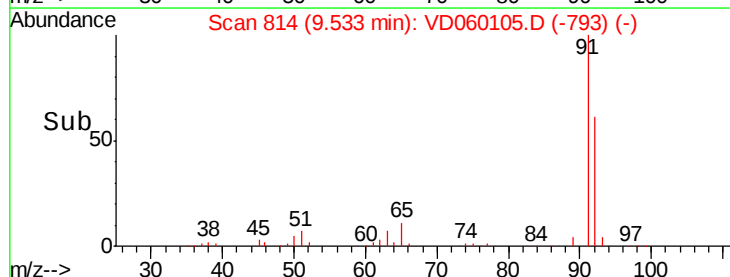
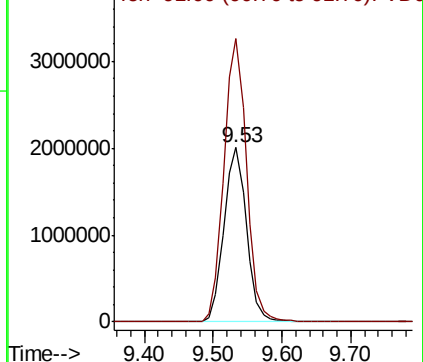
92 100

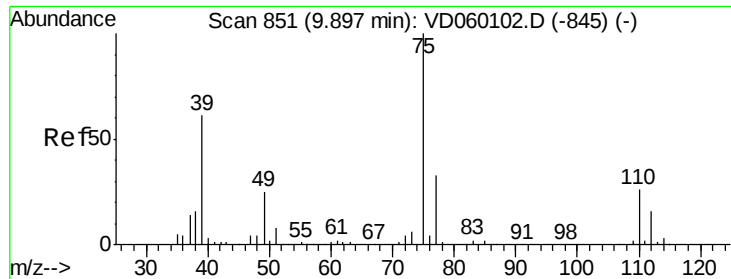
91 162.7 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

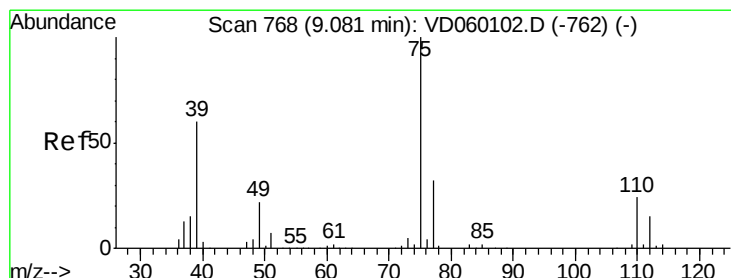
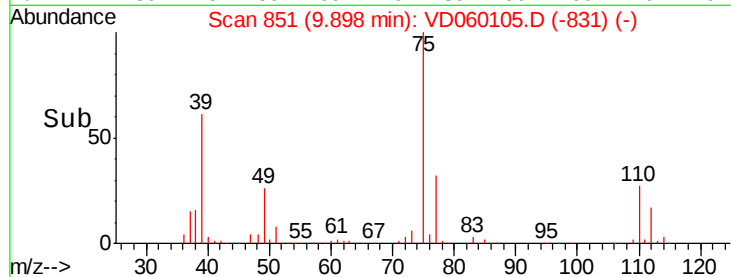
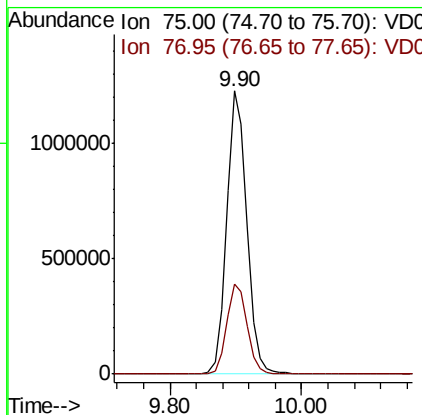
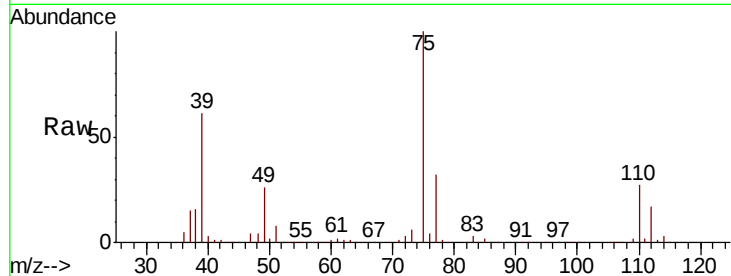
t-1,3-Dichloropropene  
 Concen: 137.837 ug/l  
 RT: 9.90 min Scan# 851  
 Delta R.T. 0.00 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VSTDIC150

Tot Ion: 75 Resp: 2611290  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 26.2 39.2

Manual Integrations  
 APPROVED

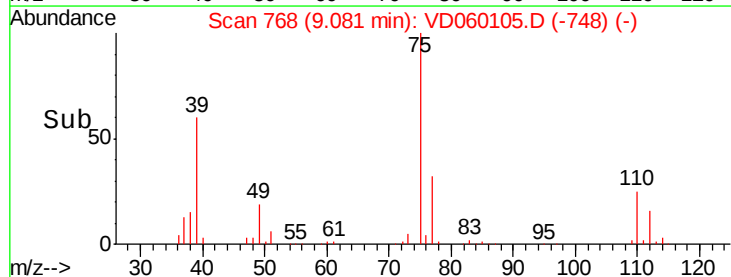
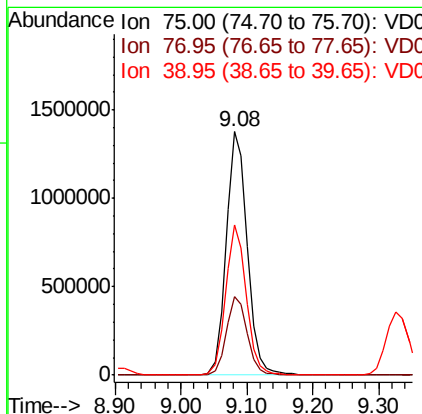
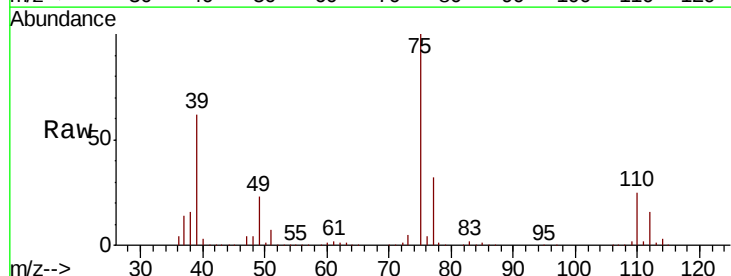
apatel  
 10/2/2018 12:31:26 PM

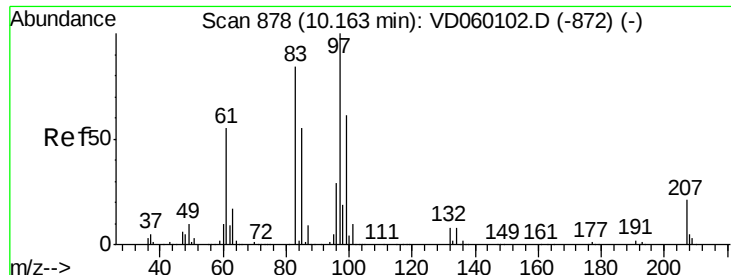


#54

cis-1,3-Dichloropropene  
 Concen: 136.454 ug/l  
 RT: 9.08 min Scan# 768  
 Delta R.T. 0.00 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Tgt Ion: 75 Resp: 3084476  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 25.7 38.5  
 39 61.5 48.2 72.4





#55  
1,1,2-Trichloroethane  
Concen: 133.211 ug/l  
RT: 10.16 min Scan# 878  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

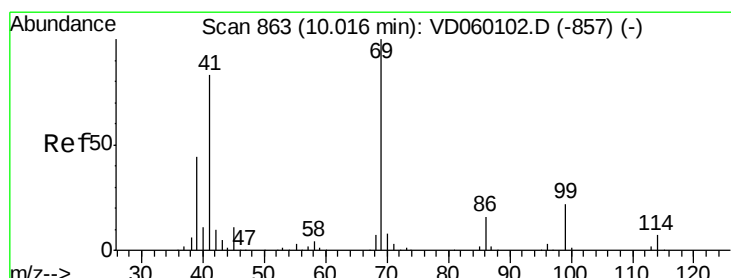
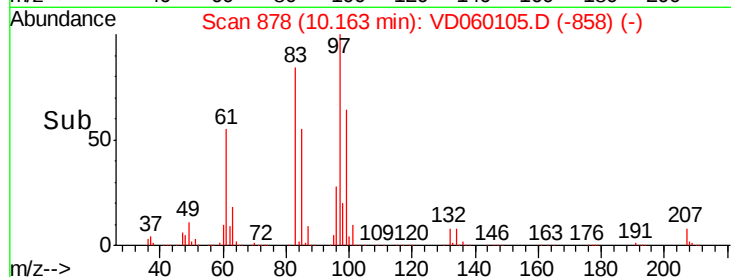
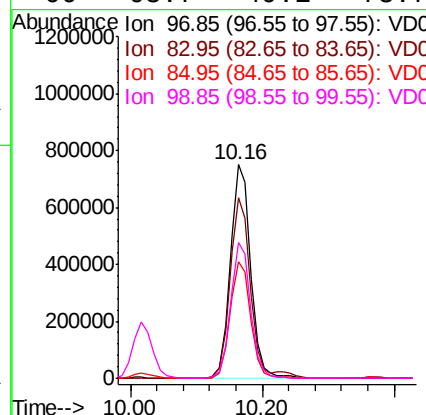
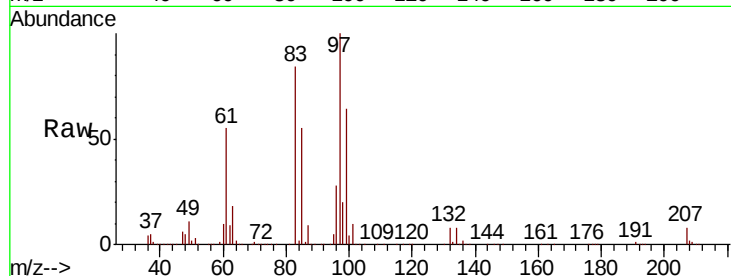
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion: 97 Resp: 1608308

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 84.4  | 67.0  | 100.6 |
| 85  | 54.8  | 43.9  | 65.9  |
| 99  | 63.7  | 49.1  | 73.7  |

Manual Integrations  
APPROVED

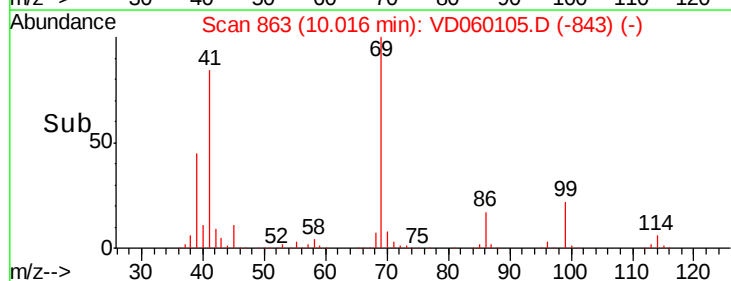
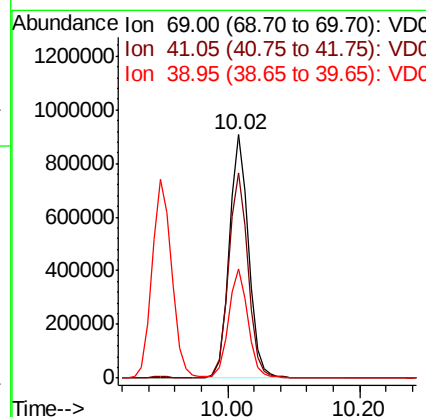
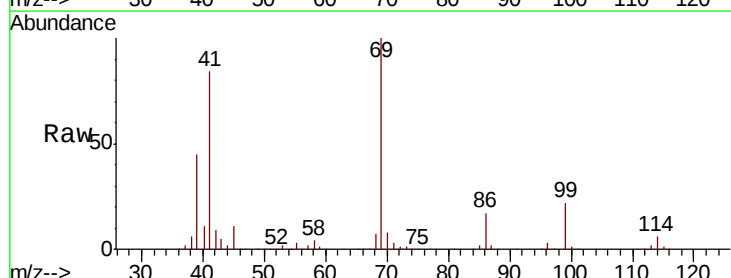
apatel  
10/2/2018 12:31:26 PM

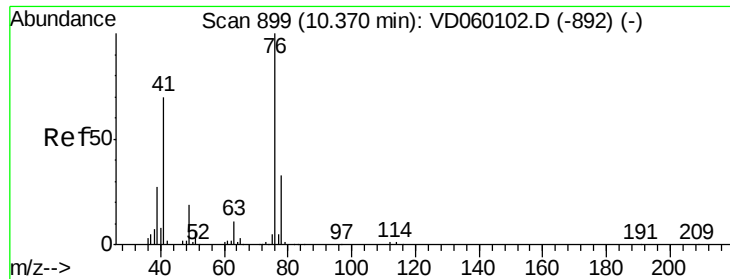


#56  
Ethyl methacrylate  
Concen: 140.206 ug/l  
RT: 10.02 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Tgt Ion: 69 Resp: 1865959

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 84.0  | 66.6  | 100.0 |
| 39  | 44.6  | 36.0  | 54.0  |





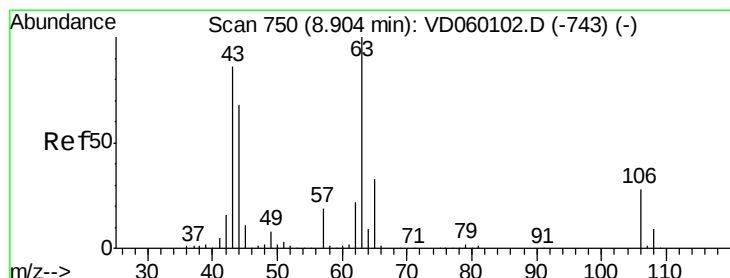
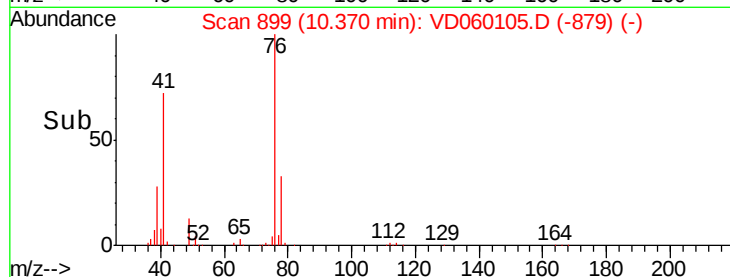
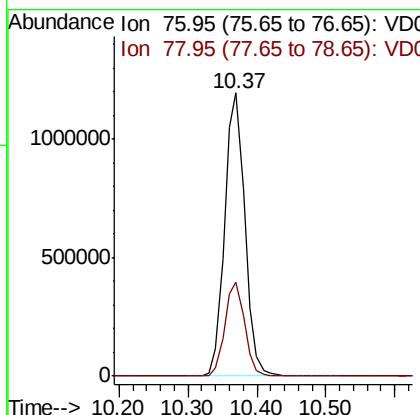
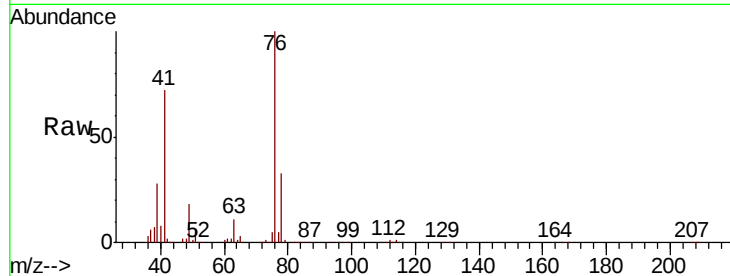
#57  
 1,3-Dichloropropane  
 Concen: 135.848 ug/l  
 RT: 10.37 min Scan# 899  
 Delta R.T. 0.00 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

Tot Ion: 76 Resp: 2415496  
 Ion Ratio Lower Upper  
 76 100  
 78 33.1 26.2 39.2

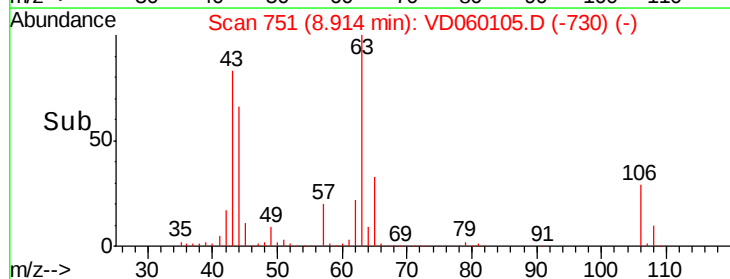
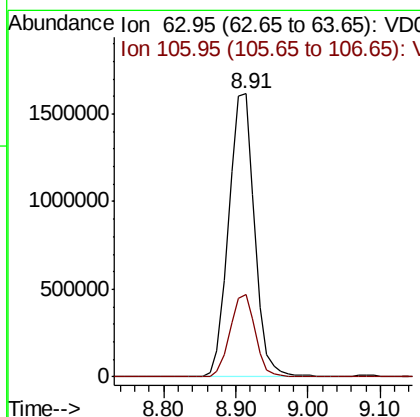
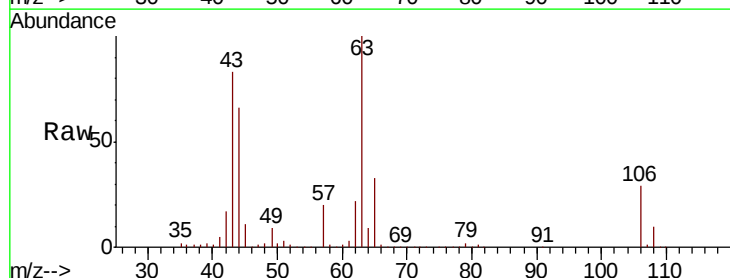
Manual Integrations  
 APPROVED

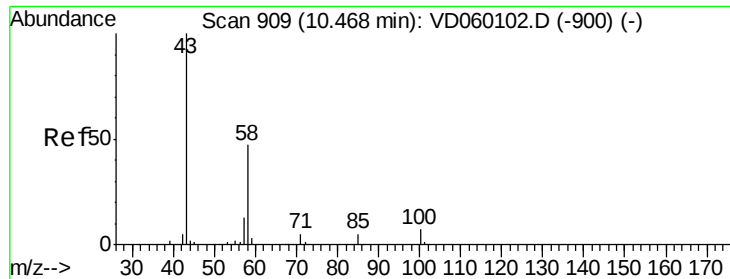
apatel  
 10/2/2018 12:31:26 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 613.834 ug/l  
 RT: 8.91 min Scan# 751  
 Delta R.T. 0.01 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Tgt Ion: 63 Resp: 4028433  
 Ion Ratio Lower Upper  
 63 100  
 106 29.3 22.6 34.0





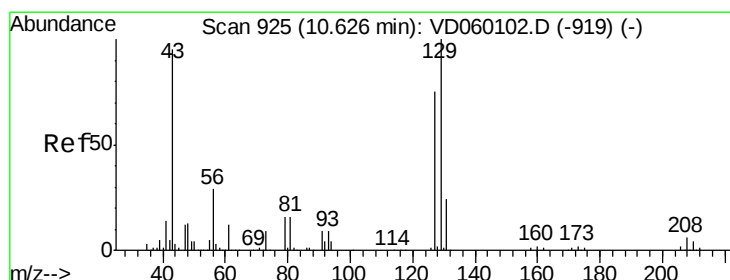
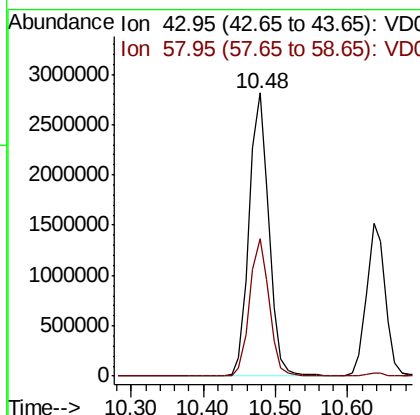
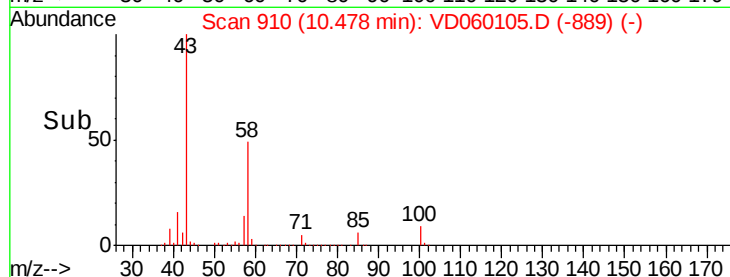
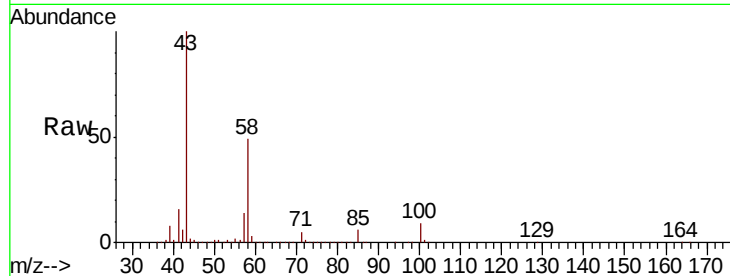
#59  
2-Hexanone  
Concen: 564.145 ug/l  
RT: 10.48 min Scan# 910  
Delta R.T. 0.01 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion: 43 Resp: 5400287  
Ion Ratio Lower Upper  
43 100  
58 48.6 23.3 69.9

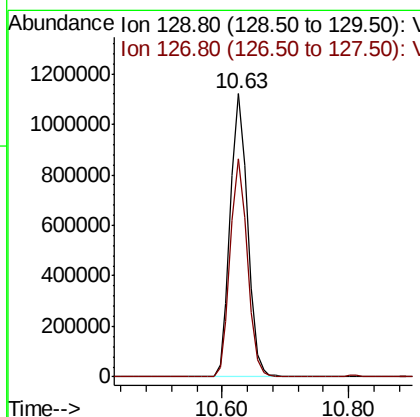
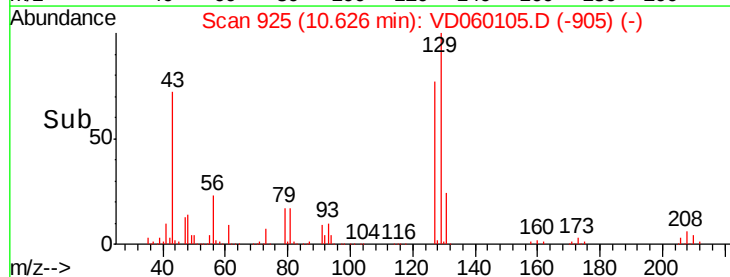
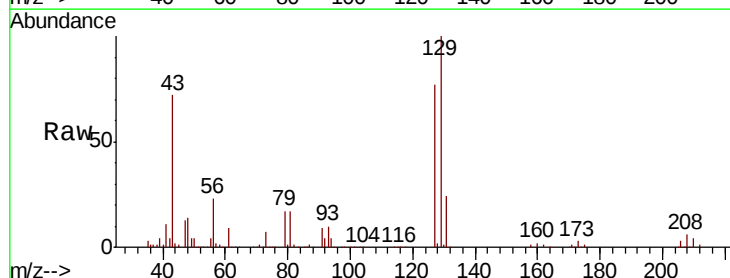
Manual Integrations  
APPROVED

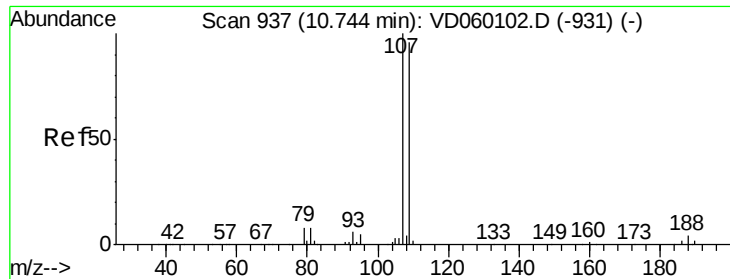
apatel  
10/2/2018 12:31:26 PM



#60  
Dibromochloromethane  
Concen: 145.559 ug/l  
RT: 10.63 min Scan# 925  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Tgt Ion: 129 Resp: 2120304  
Ion Ratio Lower Upper  
129 100  
127 77.2 37.4 112.2





#61

1,2-Dibromoethane

Concen: 145.232 ug/l

RT: 10.74 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 1809876

Ion Ratio Lower Upper

107 100

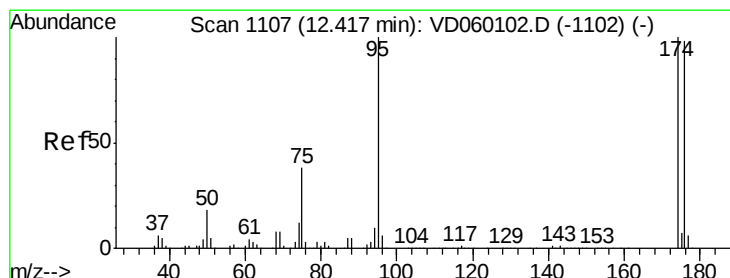
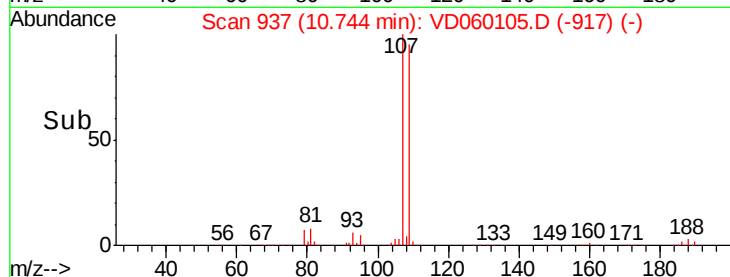
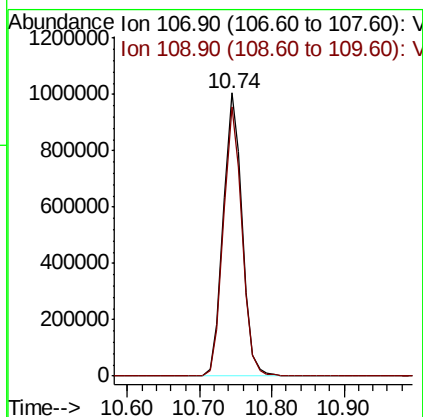
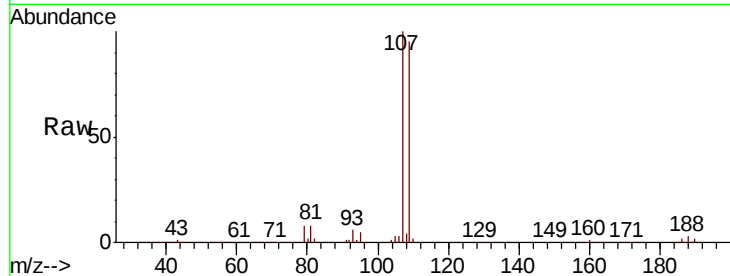
109 95.3 77.1 115.7

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:26 PM



#62

4-Bromofluorobenzene

Concen: 145.232 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

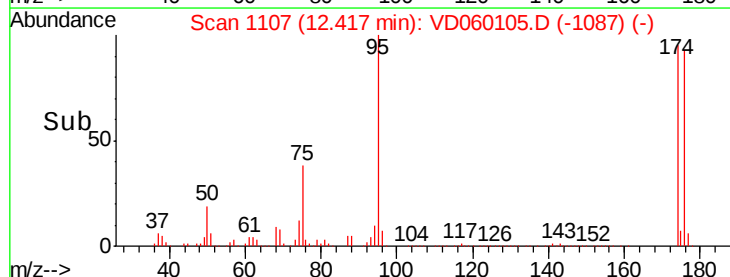
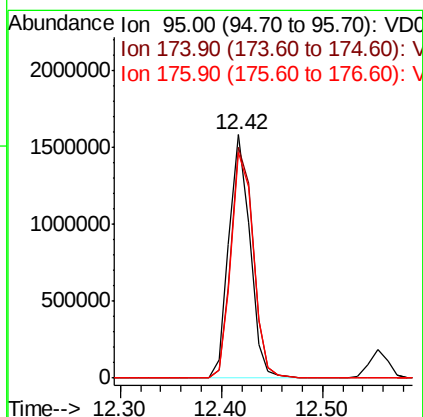
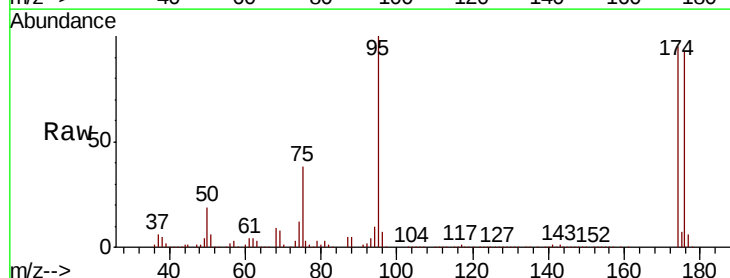
Tgt Ion: 95 Resp: 2294238

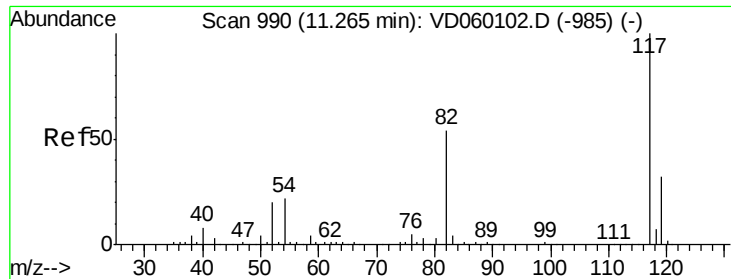
Ion Ratio Lower Upper

95 100

174 94.6 0.0 200.2

176 92.5 0.0 195.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion:117 Resp: 1711160

Ion Ratio Lower Upper

117 100

82 48.6 43.4 65.2

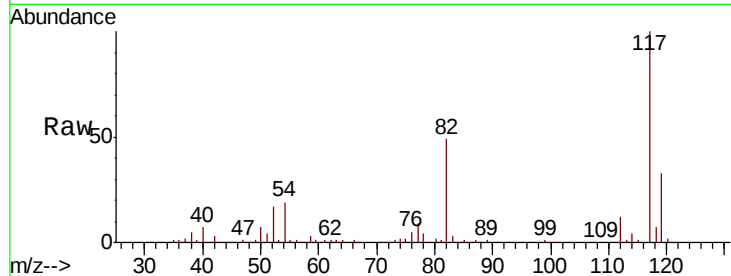
119 33.1 26.0 39.0

Manual Integrations

APPROVED

apatel

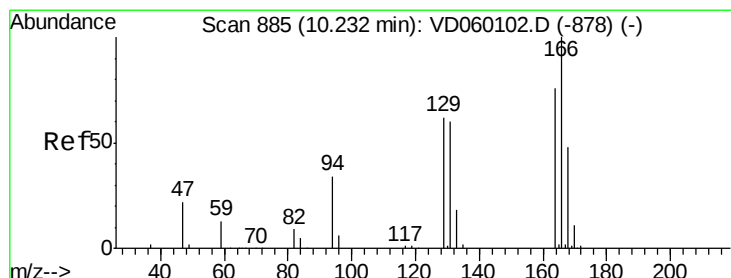
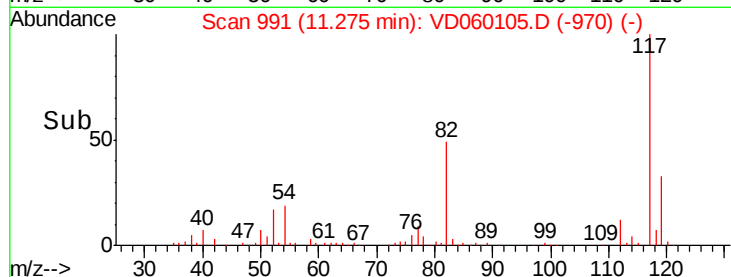
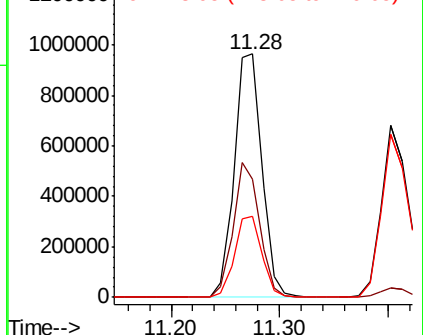
10/2/2018 12:31:26 PM



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 137.336 ug/l

RT: 10.23 min Scan# 885

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Tgt Ion:164 Resp: 2046834

Ion Ratio Lower Upper

164 100

166 128.5 105.4 158.0

129 83.5 65.7 98.5

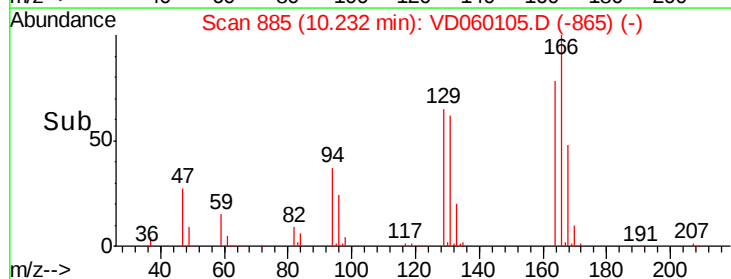
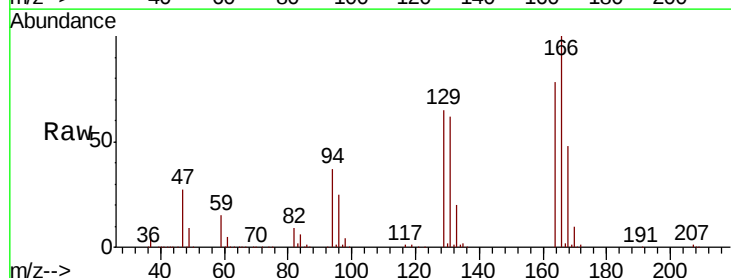
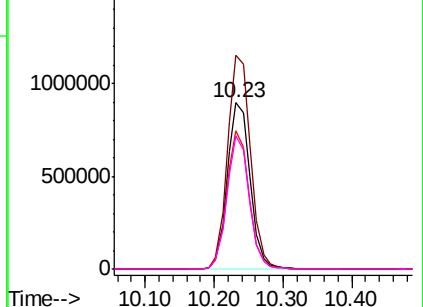
131 80.2 62.9 94.3

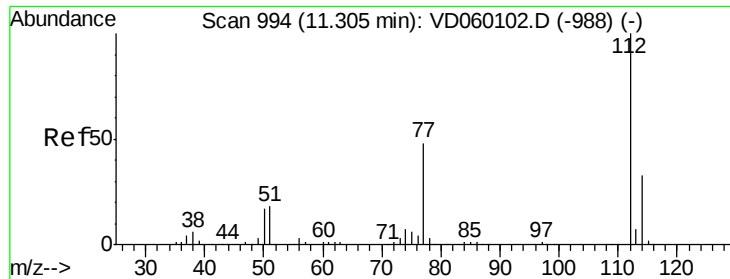
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 133.339 ug/l

RT: 11.30 min Scan# 994

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 4851709

Ion Ratio Lower Upper

112 100

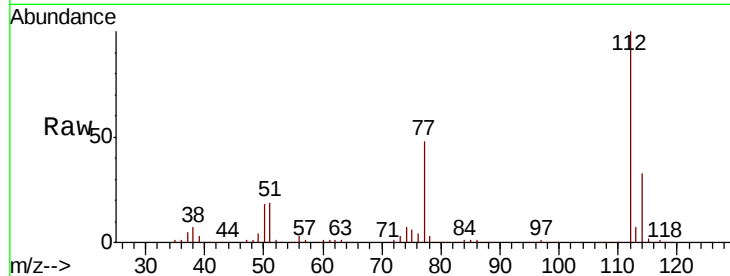
114 33.3 26.0 39.0

Manual Integrations

APPROVED

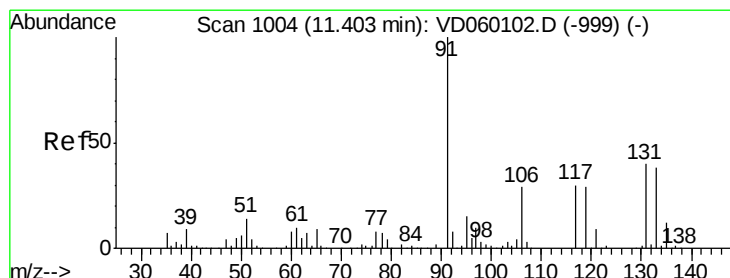
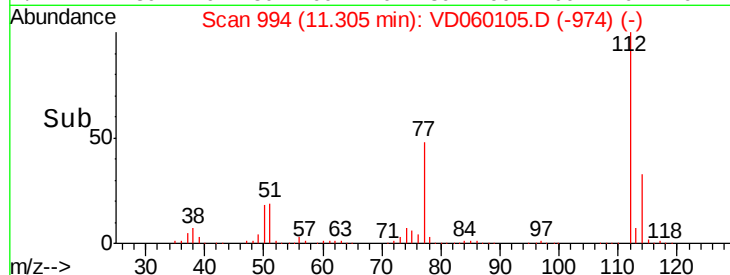
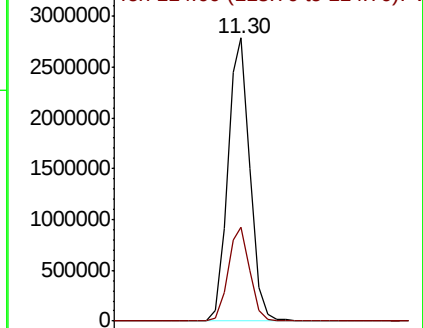
apatel

10/2/2018 12:31:26 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 127.289 ug/l

RT: 11.40 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

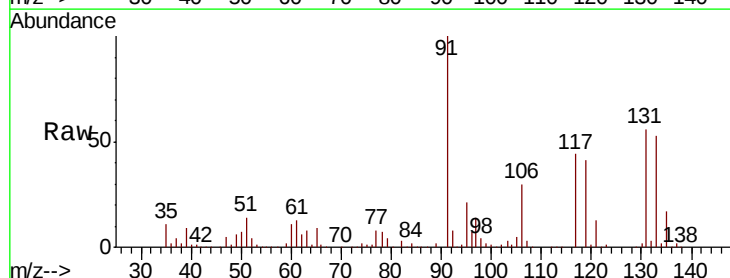
Tgt Ion:131 Resp: 1558215

Ion Ratio Lower Upper

131 100

133 94.4 47.4 142.3

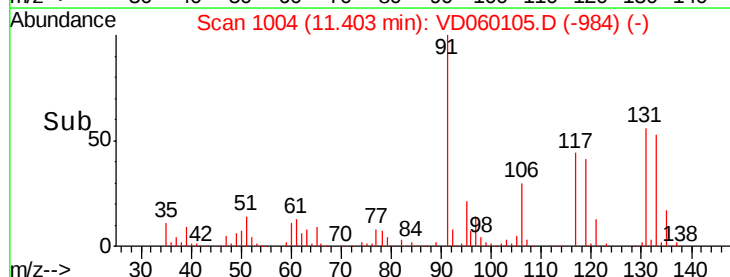
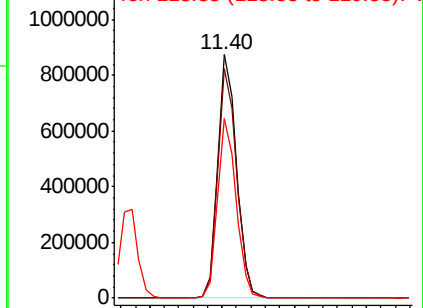
119 74.0 36.1 108.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





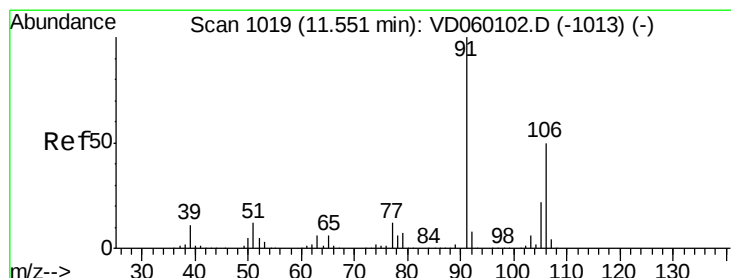
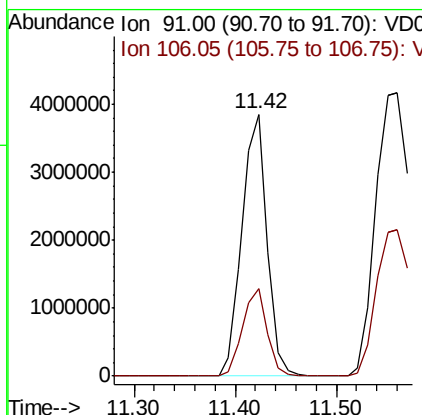
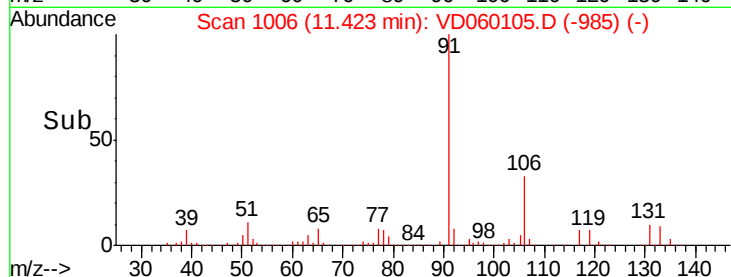
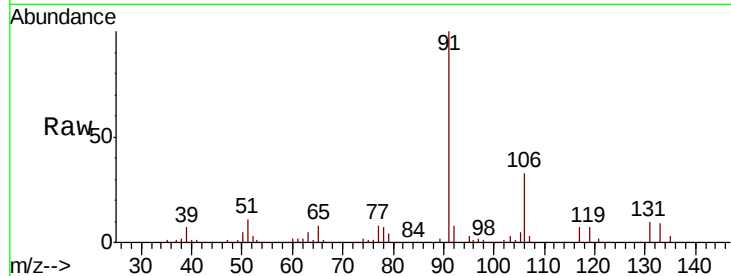
#67  
Ethyl Benzene  
Concen: 114.786 ug/l  
RT: 11.42 min Scan# 1006  
Delta R.T. 0.01 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion: 91 Resp: 6706241  
Ion Ratio Lower Upper  
91 100  
106 33.3 24.4 36.6

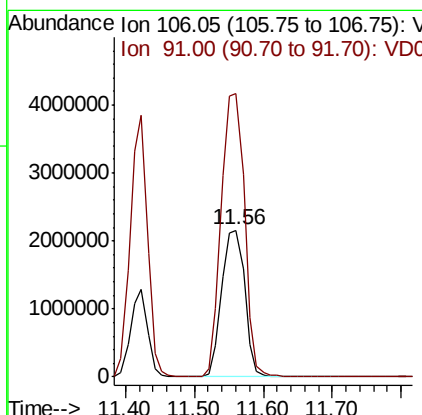
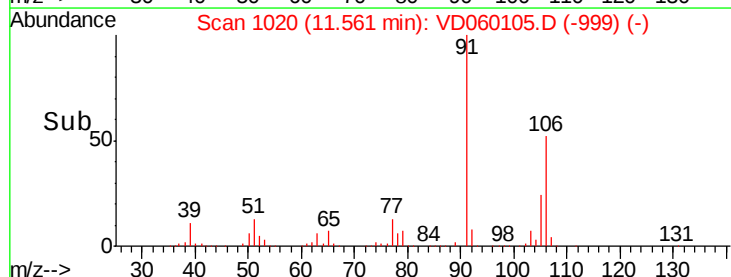
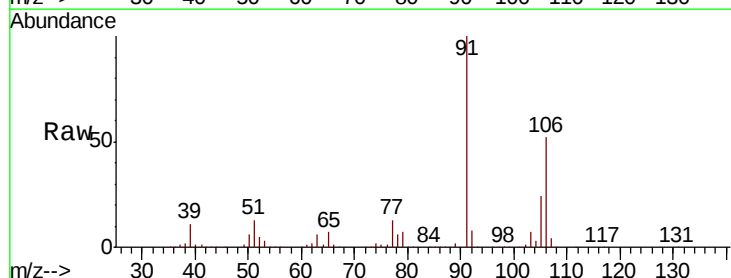
Manual Integrations  
APPROVED

apatel  
10/2/2018 12:31:26 PM



#68  
m/p-Xylenes  
Concen: 233.104 ug/l  
RT: 11.56 min Scan# 1020  
Delta R.T. 0.01 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Tgt Ion: 106 Resp: 5015901  
Ion Ratio Lower Upper  
106 100  
91 192.6 160.0 240.0





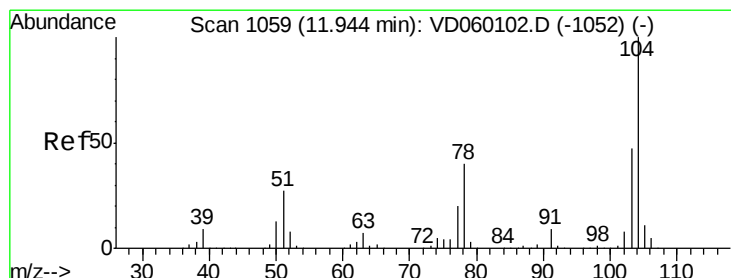
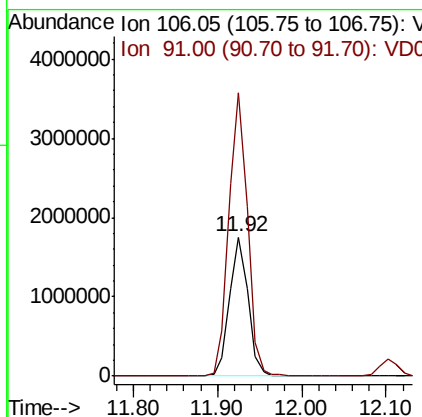
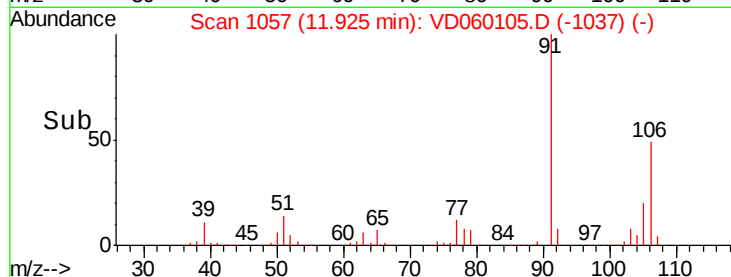
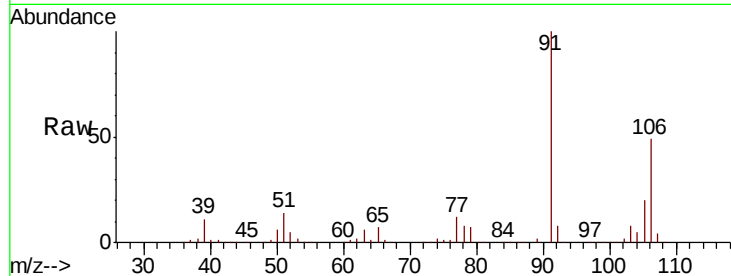
#69  
o-Xylene  
Concen: 124.442 ug/l  
RT: 11.92 min Scan# 1057  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC150

Tot Ion:106 Resp: 2670418  
Ion Ratio Lower Upper  
106 100  
91 203.5 102.5 307.5

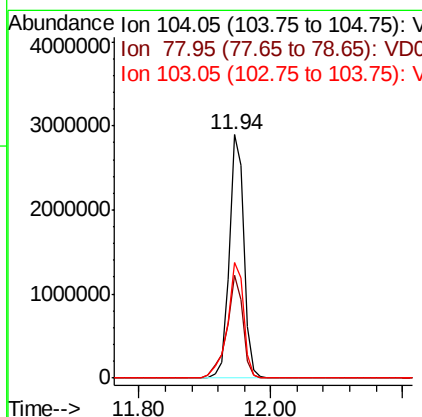
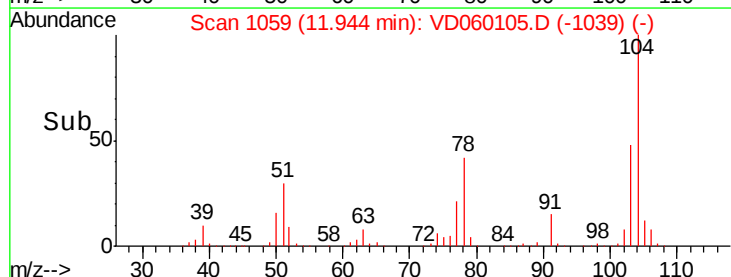
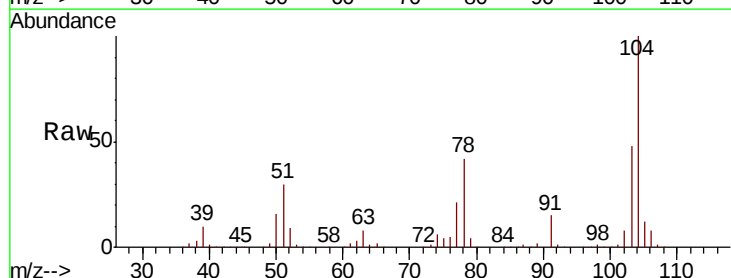
Manual Integrations  
APPROVED

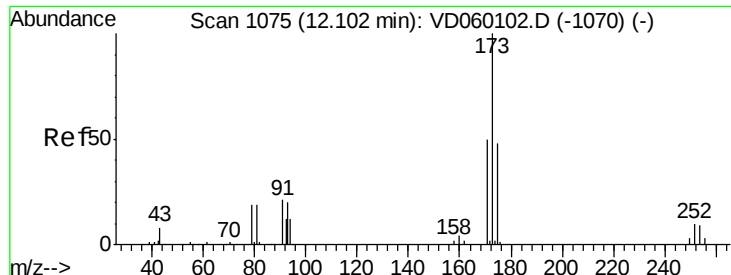
apatel  
10/2/2018 12:31:26 PM



#70  
Styrene  
Concen: 124.973 ug/l  
RT: 11.94 min Scan# 1059  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Tgt Ion:104 Resp: 4503159  
Ion Ratio Lower Upper  
104 100  
78 42.4 32.2 48.4  
103 47.7 37.4 56.0





#71

Bromoform

Concen: 152.347 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 1596228

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.4

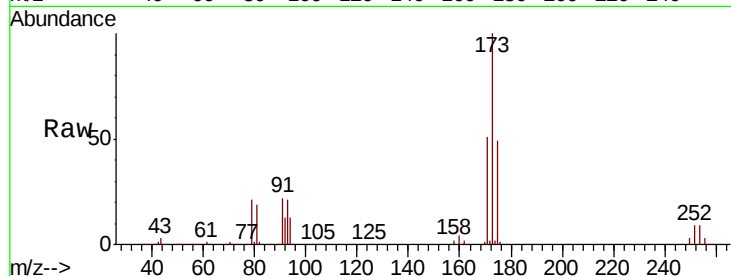
254 9.0 7.4 11.0

Manual Integrations

APPROVED

apatel

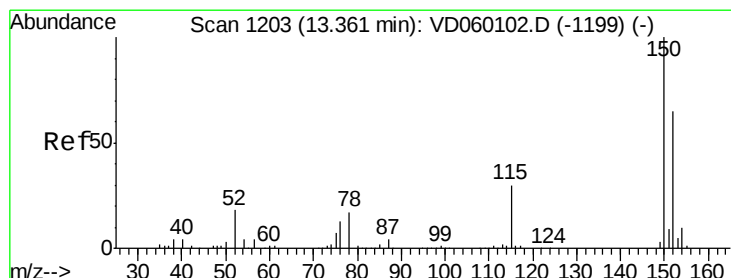
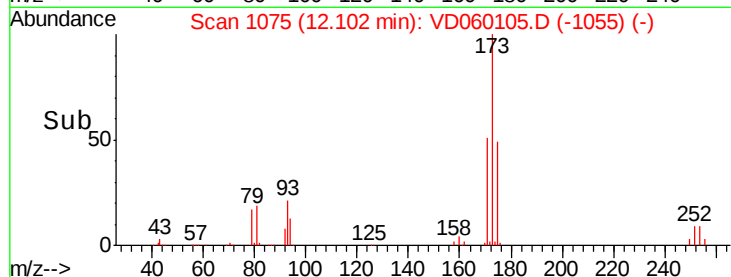
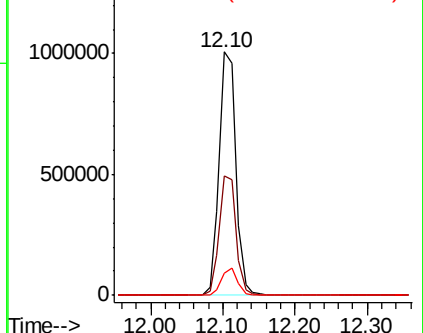
10/2/2018 12:31:26 PM



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

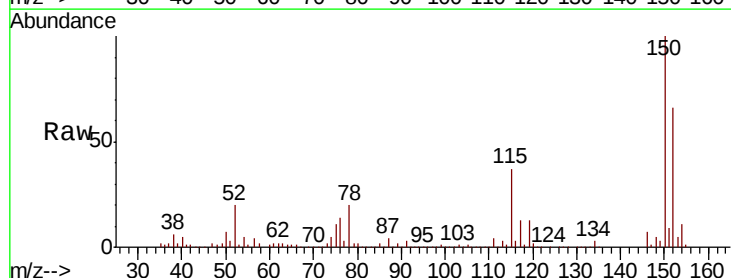
Tgt Ion:152 Resp: 910234

Ion Ratio Lower Upper

152 100

115 55.6 27.1 81.2

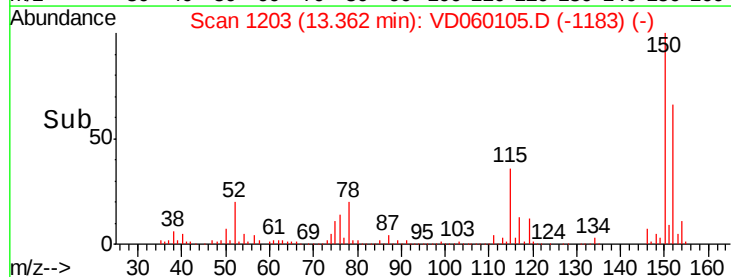
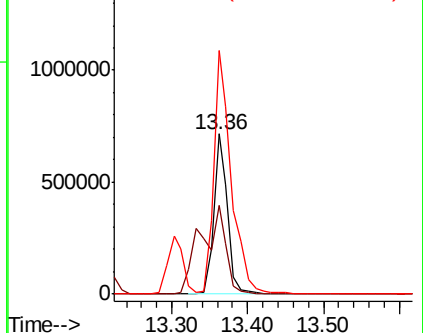
150 152.2 0.0 311.8

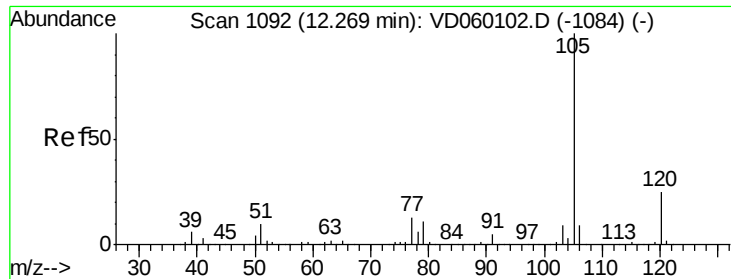


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 120.768 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 7143083

Ion Ratio Lower Upper

105 100

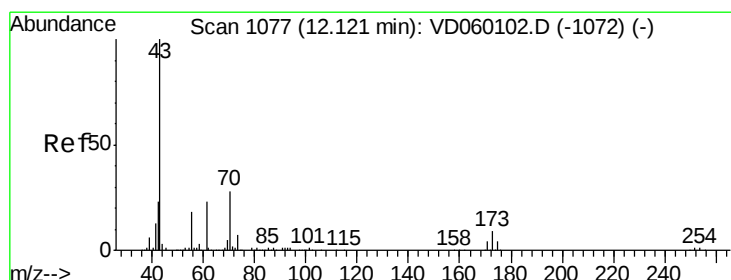
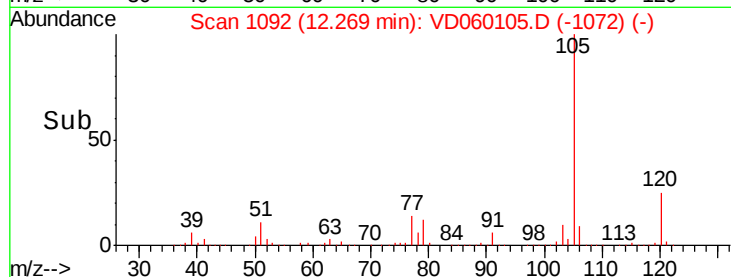
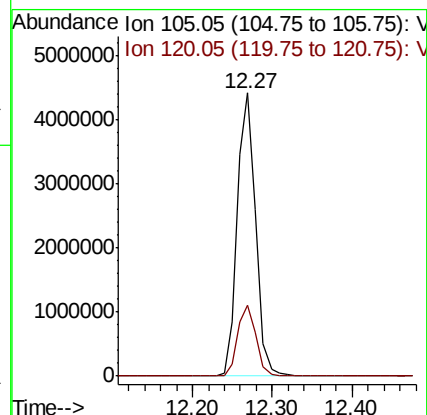
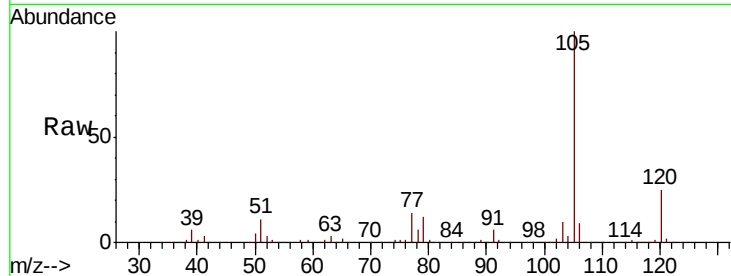
120 24.9 12.6 37.6

Manual Integrations

APPROVED

apatel

10/2/2018 12:31:26 PM



#74

N-ethyl acetate

Concen: 130.932 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Tgt Ion: 43 Resp: 3048008

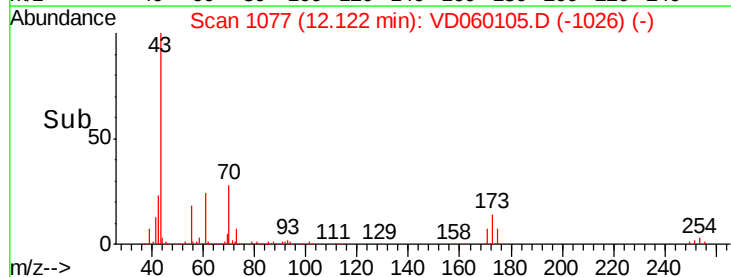
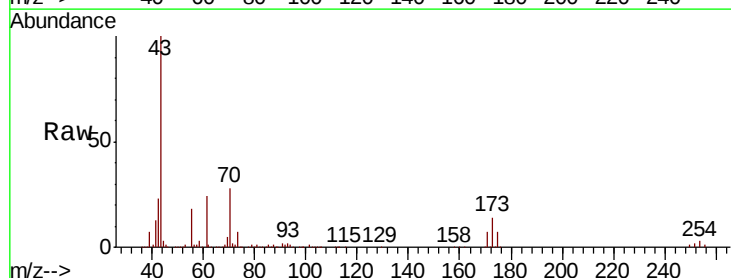
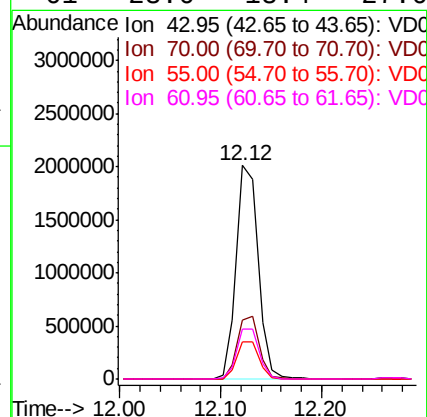
Ion Ratio Lower Upper

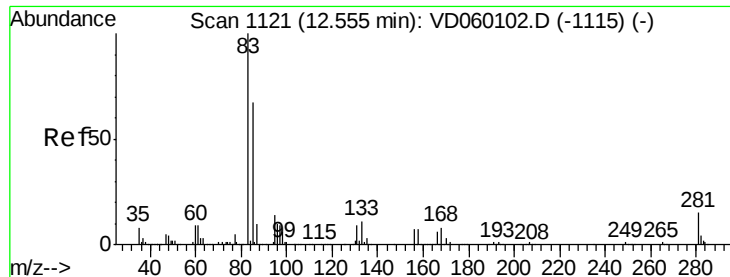
43 100

70 27.8 22.1 33.1

55 17.7 14.1 21.1

61 23.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 133.995 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1796401

Ion Ratio Lower Upper

83 100

131 9.2 4.5 13.4

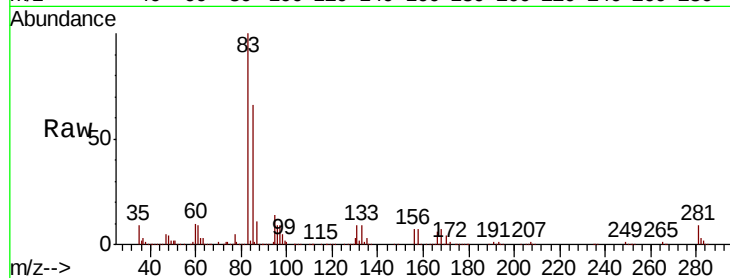
85 65.7 33.3 99.9

Manual Integrations

APPROVED

apatel

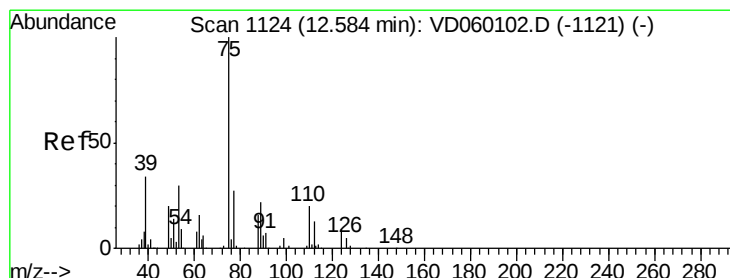
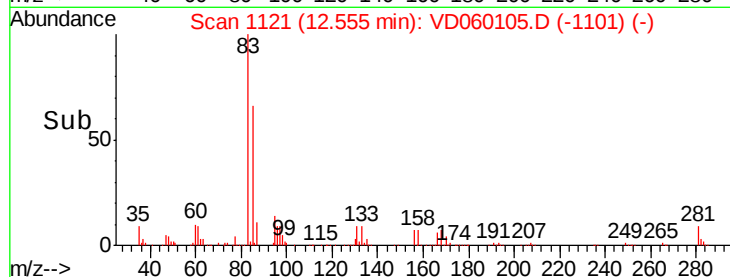
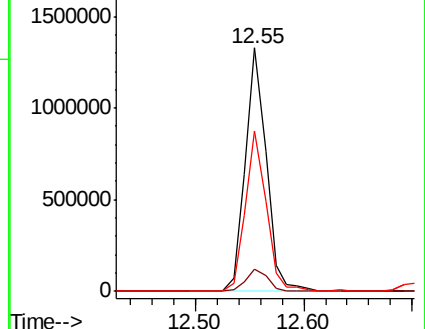
10/2/2018 12:31:26 PM



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 134.463 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060105.D

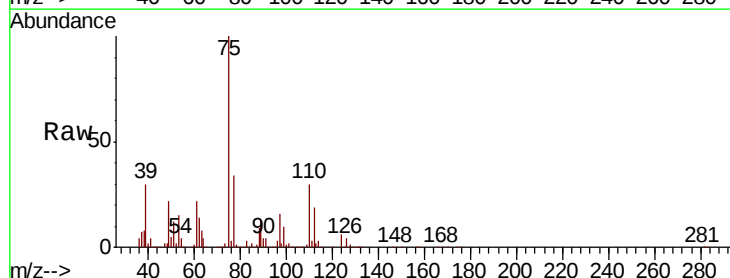
Acq: 1 Oct 2018 19:15

Tgt Ion: 75 Resp: 1839533

Ion Ratio Lower Upper

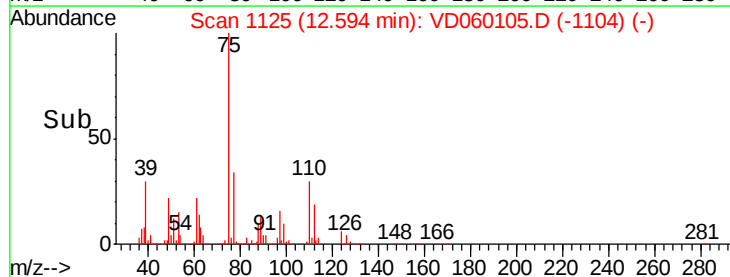
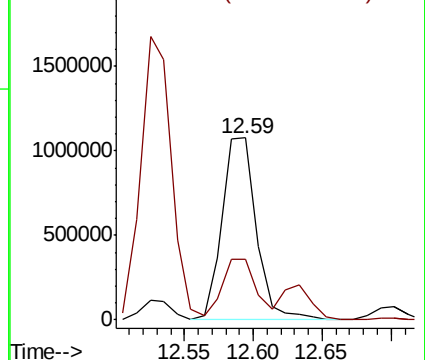
75 100

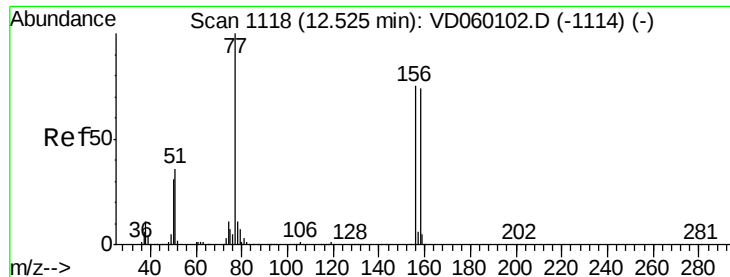
77 33.7 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





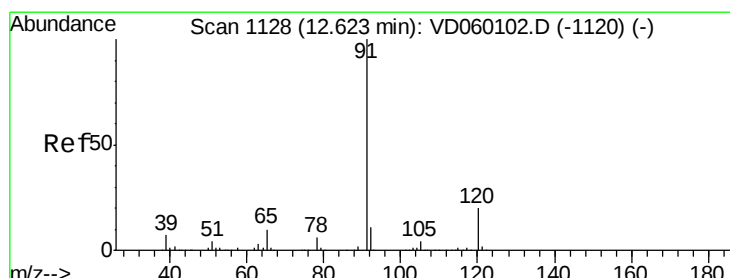
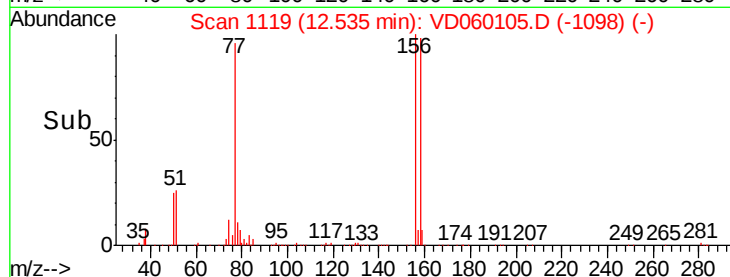
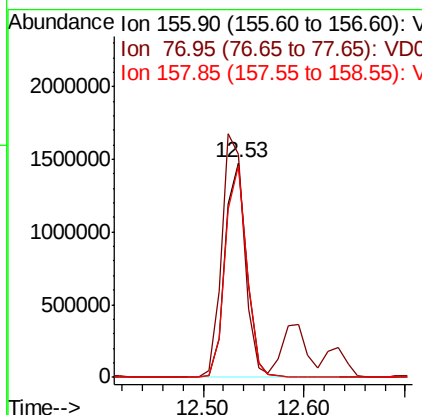
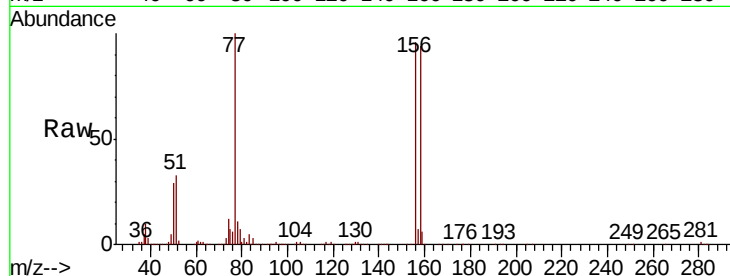
#77  
Bromobenzene  
Concen: 128.106 ug/l  
RT: 12.53 min Scan# 1119  
Delta R.T. 0.01 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion:156 Resp: 2195396  
Ion Ratio Lower Upper  
156 100  
77 104.1 66.9 200.7  
158 98.3 49.1 147.4

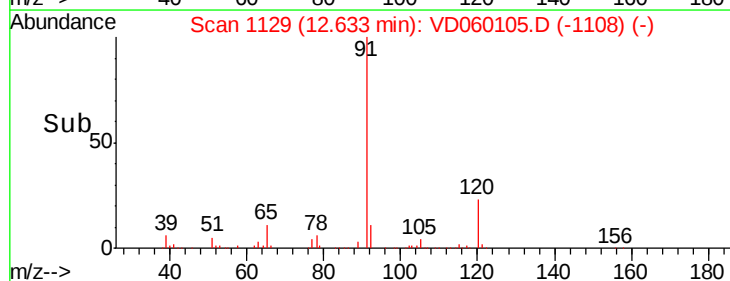
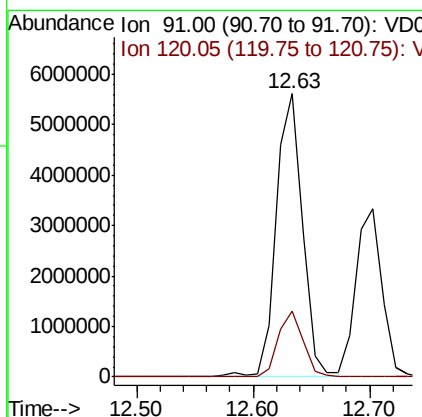
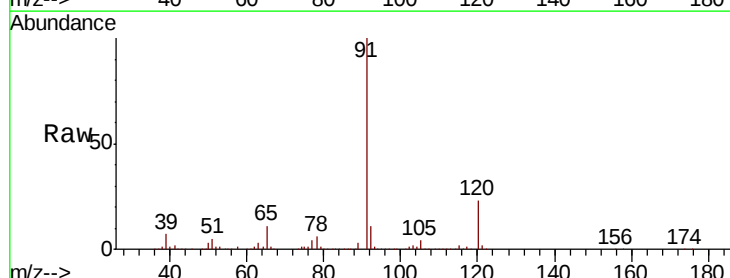
Manual Integrations  
APPROVED

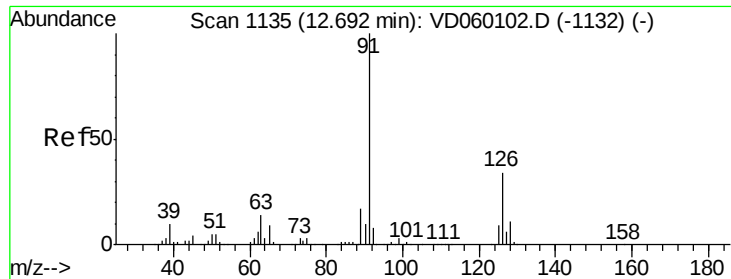
apatel  
10/2/2018 12:31:26 PM



#78  
n-propylbenzene  
Concen: 118.294 ug/l  
RT: 12.63 min Scan# 1129  
Delta R.T. 0.01 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Tgt Ion: 91 Resp: 8771344  
Ion Ratio Lower Upper  
91 100  
120 23.4 10.0 30.0





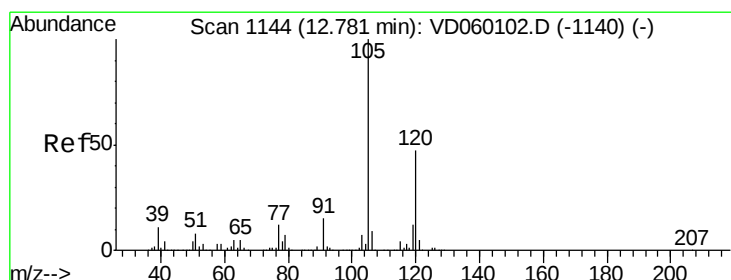
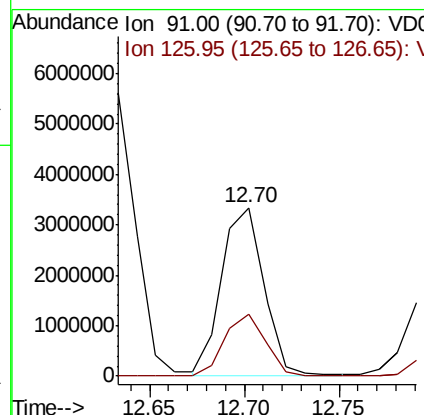
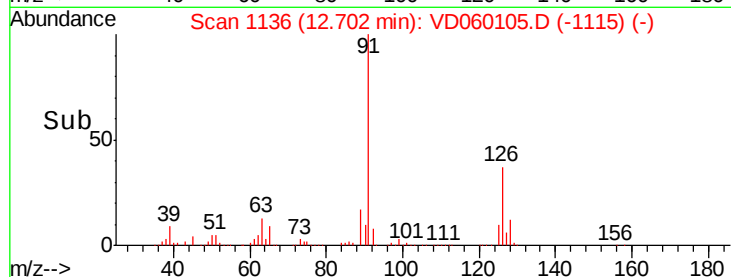
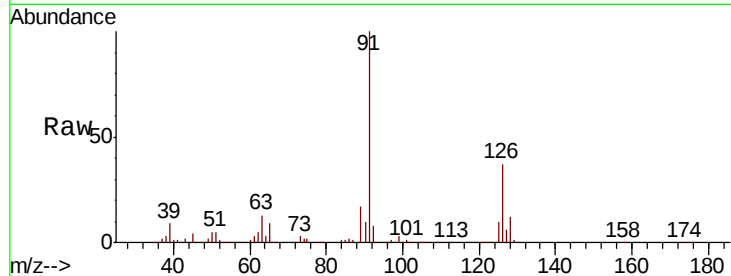
#79  
 2-Chlorotoluene  
 Concen: 122.646 ug/l  
 RT: 12.70 min Scan# 1136  
 Delta R.T. 0.01 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

Tot Ion: 91 Resp: 5123728  
 Ion Ratio Lower Upper  
 91 100  
 126 37.0 16.8 50.3

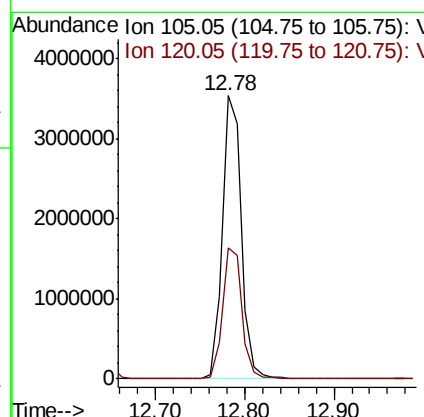
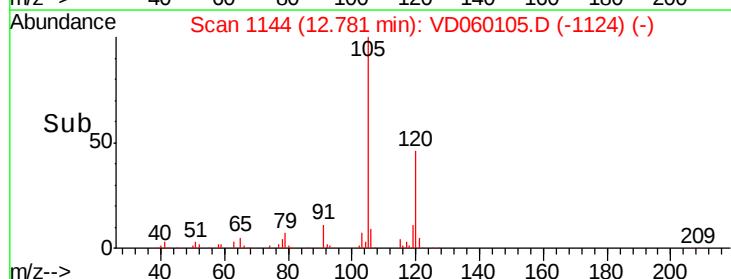
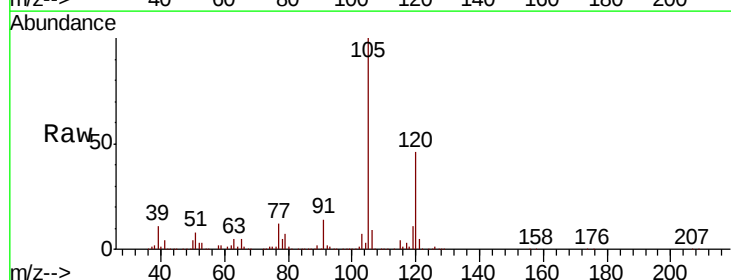
Manual Integrations  
 APPROVED

apatel  
 10/2/2018 12:31:26 PM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 115.783 ug/l  
 RT: 12.78 min Scan# 1144  
 Delta R.T. 0.00 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Tgt Ion: 105 Resp: 5246313  
 Ion Ratio Lower Upper  
 105 100  
 120 46.3 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 142.998 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 589490

Ion Ratio Lower Upper

75 100

53 83.9 73.0 109.6

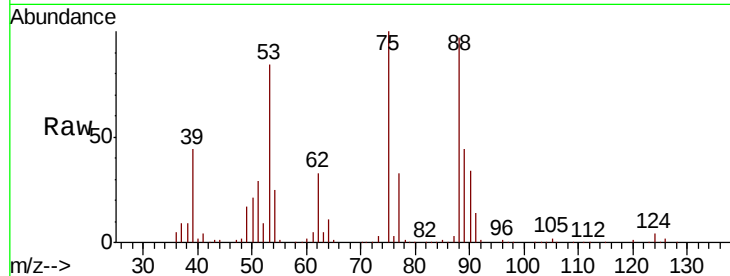
89 44.2 32.0 48.0

Manual Integrations

APPROVED

apatel

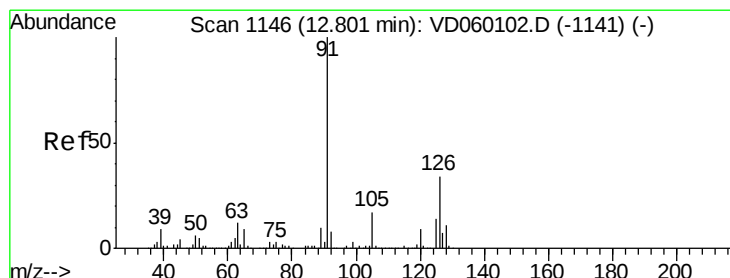
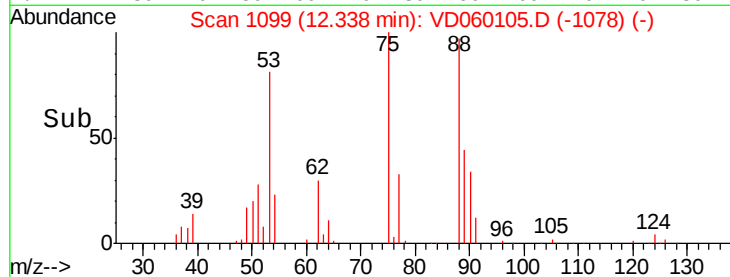
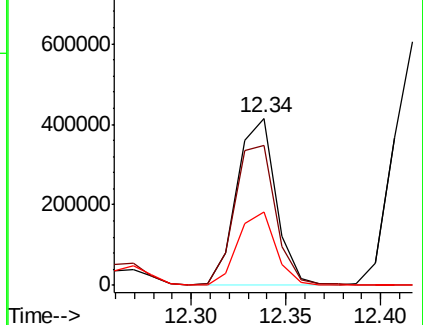
10/2/2018 12:31:26 PM



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 114.666 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060105.D

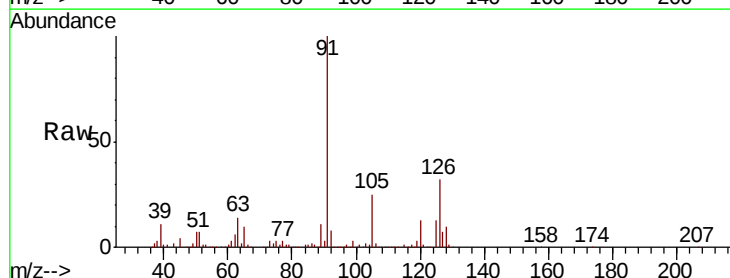
Acq: 1 Oct 2018 19:15

Tgt Ion: 91 Resp: 5267206

Ion Ratio Lower Upper

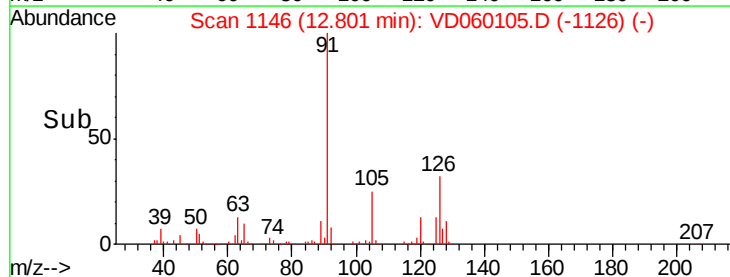
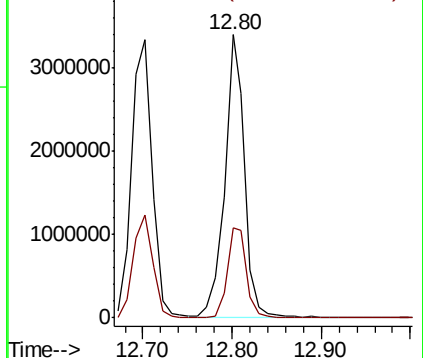
91 100

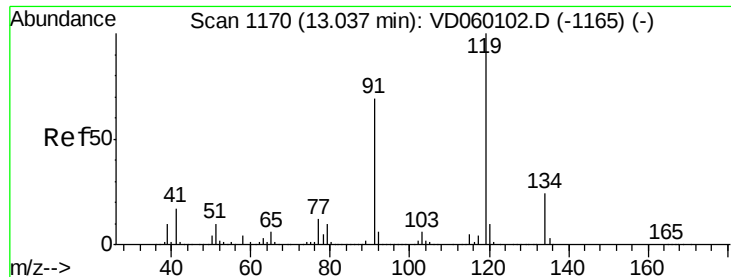
126 32.0 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





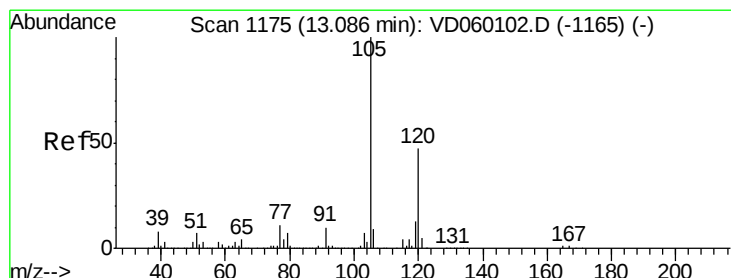
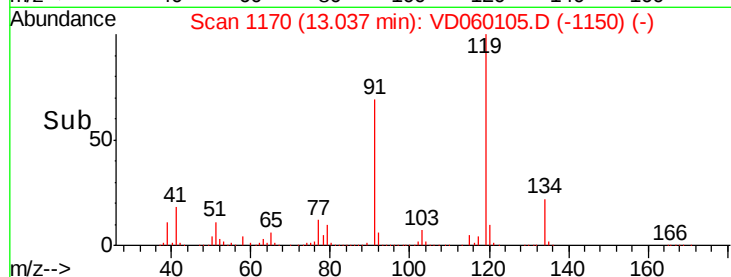
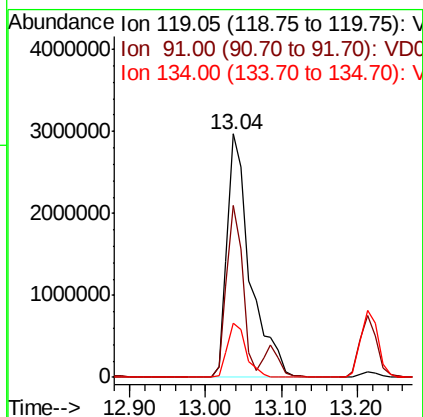
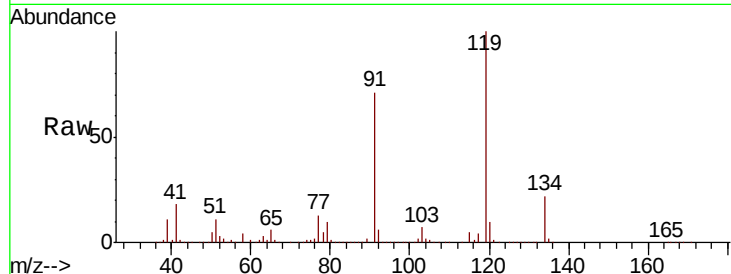
#83  
 tert-Butylbenzene  
 Concen: 119.694 ug/l  
 RT: 13.04 min Scan# 1170  
 Delta R.T. 0.00 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 70.9  | 34.8  | 104.4 |
| 134     | 22.4  | 11.8  | 35.4  |

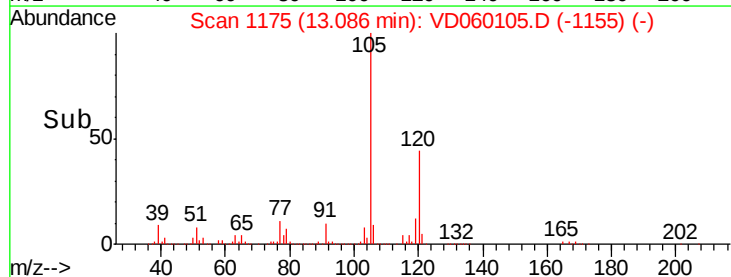
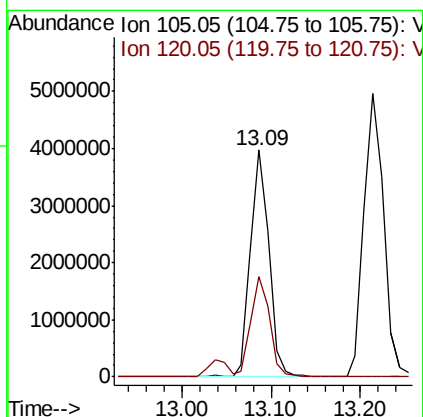
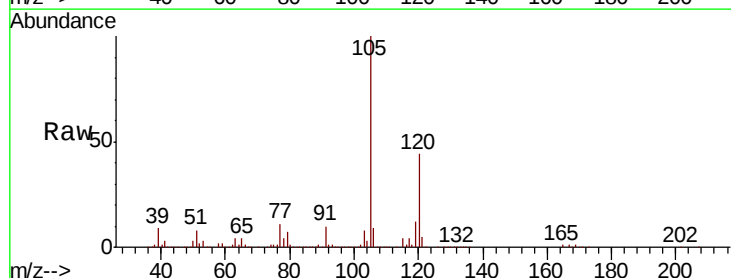
Manual Integrations  
 APPROVED

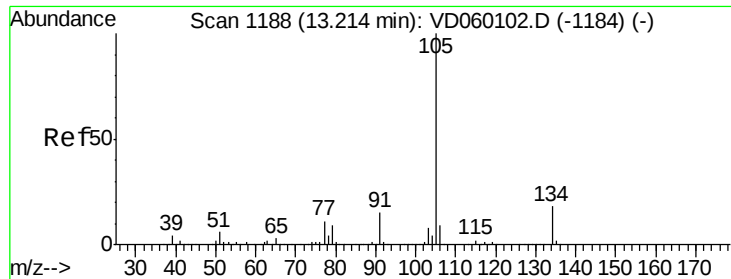
apatel  
 10/2/2018 12:31:26 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 116.755 ug/l  
 RT: 13.09 min Scan# 1175  
 Delta R.T. 0.00 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.0  | 23.4  | 70.0  |





#85

sec-Butylbenzene

Concen: 121.408 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 7536799

Ion Ratio Lower Upper

105 100

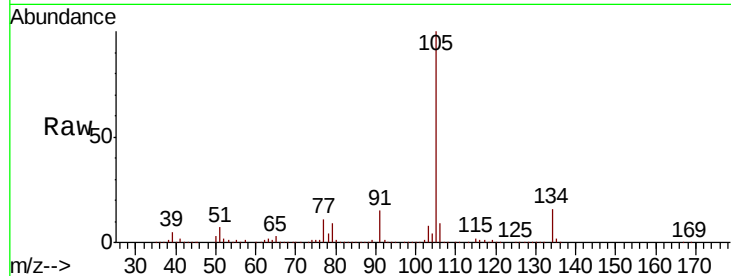
134 16.4 8.8 26.2

Manual Integrations

APPROVED

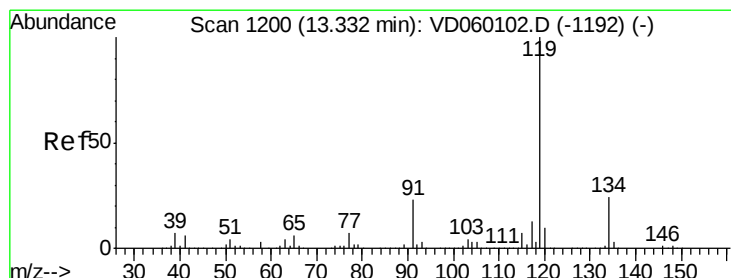
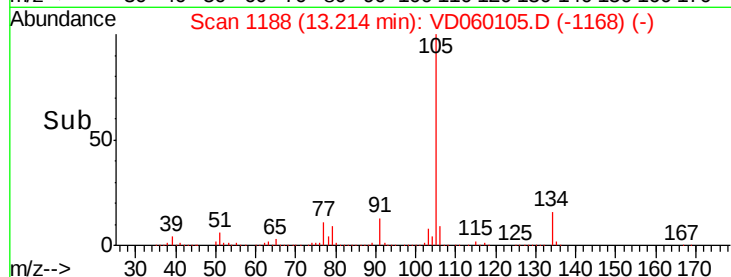
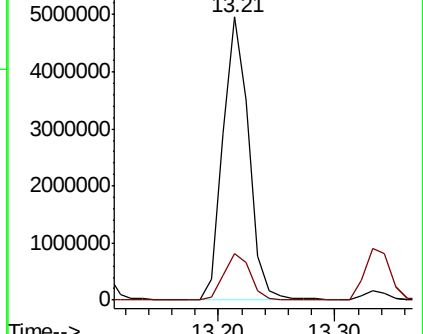
apatel

10/2/2018 12:31:26 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 118.875 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

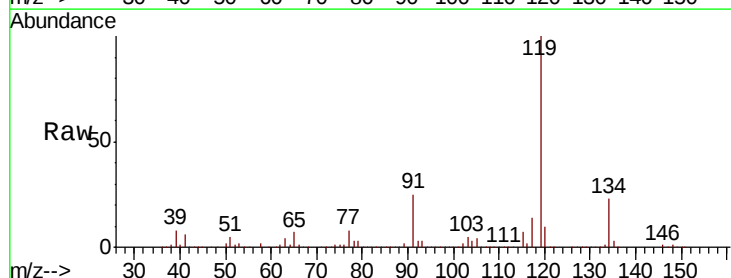
Tgt Ion:119 Resp: 5972518

Ion Ratio Lower Upper

119 100

134 22.9 12.3 36.8

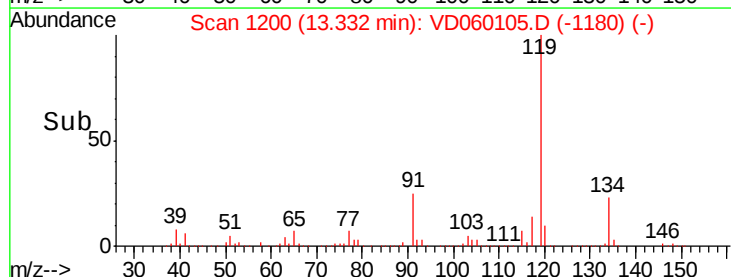
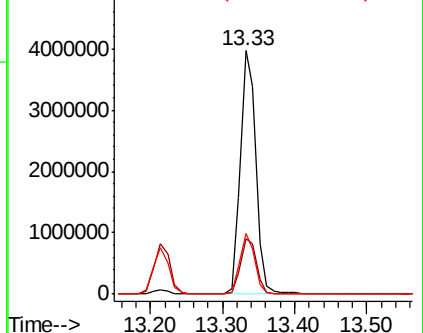
91 25.0 11.8 35.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





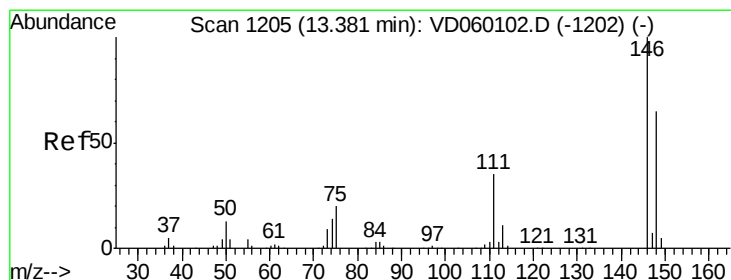
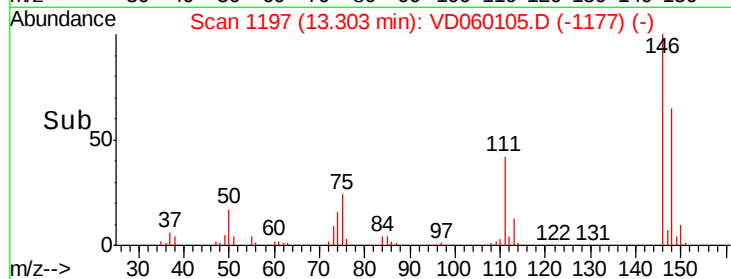
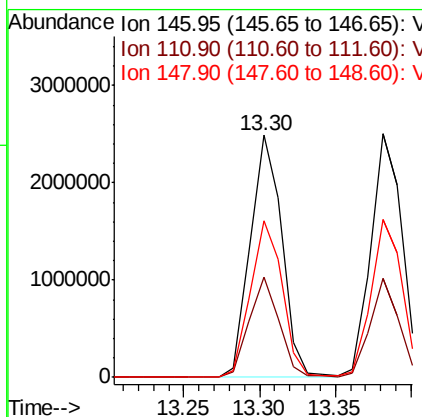
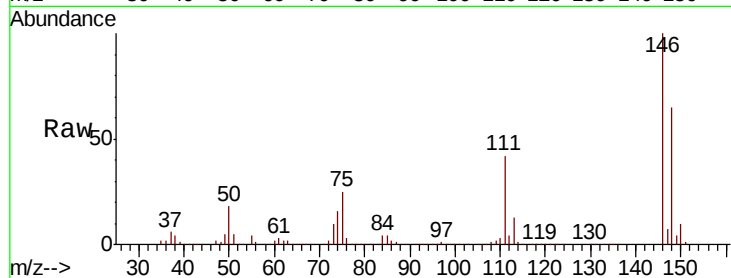
#87  
 1,3-Dichlorobenzene  
 Concen: 122.528 ug/l  
 RT: 13.30 min Scan# 1197  
 Delta R.T. 0.00 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

Tot Ion:146 Resp: 3644411  
 Ion Ratio Lower Upper  
 146 100  
 111 41.5 18.1 54.3  
 148 64.6 32.3 96.9

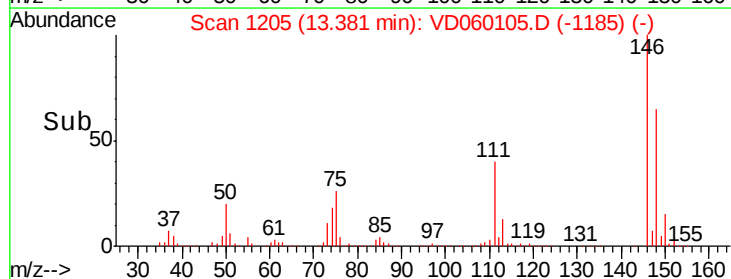
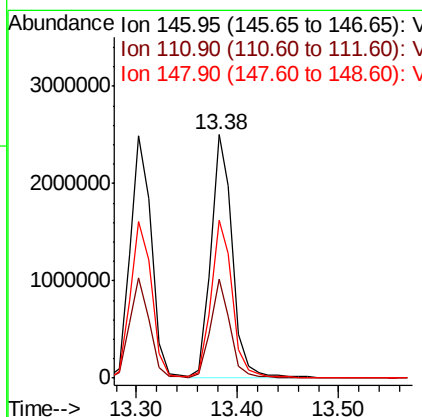
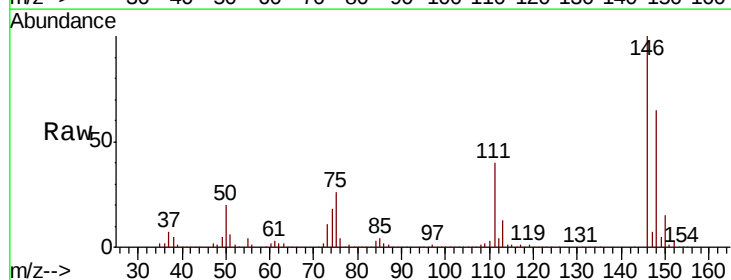
Manual Integrations  
 APPROVED

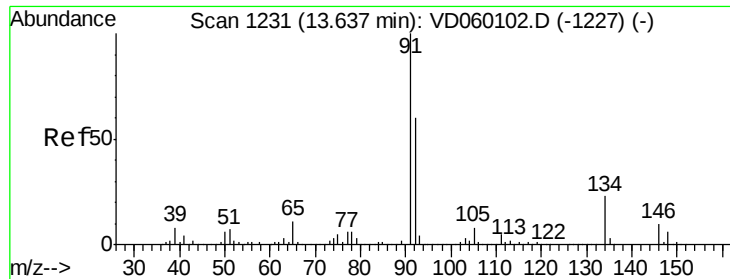
apatel  
 10/2/2018 12:31:26 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 123.032 ug/l  
 RT: 13.38 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Tgt Ion:146 Resp: 3708837  
 Ion Ratio Lower Upper  
 146 100  
 111 40.4 17.8 53.3  
 148 64.8 32.4 97.2





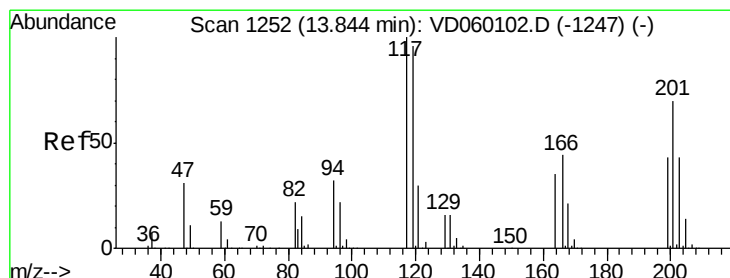
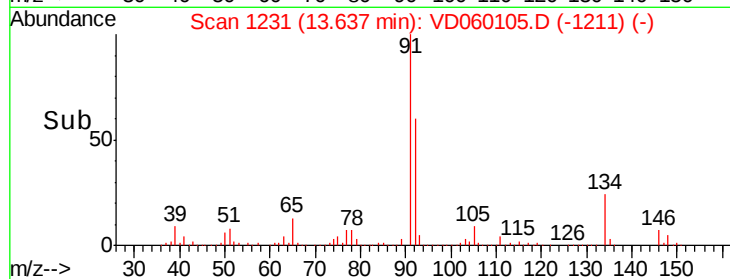
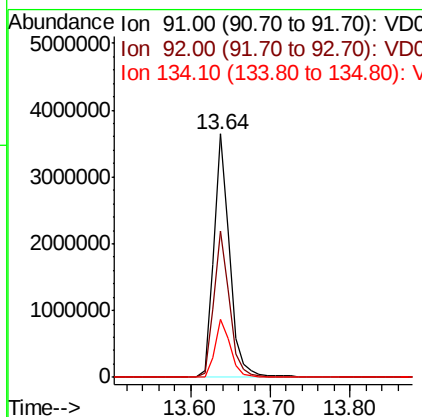
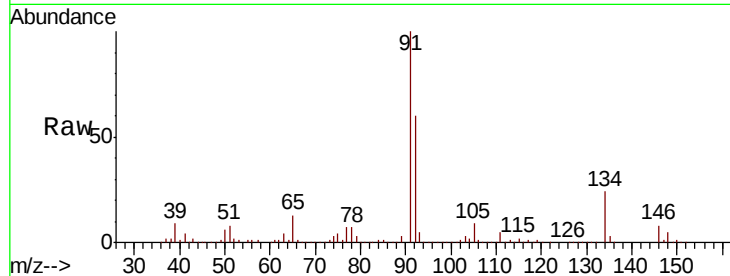
#89  
n-Butylbenzene  
Concen: 104.138 ug/l  
RT: 13.64 min Scan# 1231  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion: 91 Resp: 5096743  
Ion Ratio Lower Upper  
91 100  
92 60.3 30.1 90.3  
134 24.0 11.6 34.7

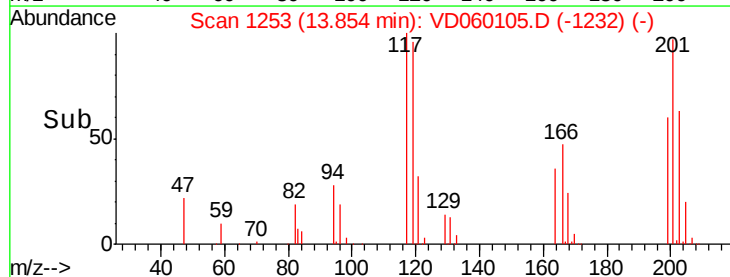
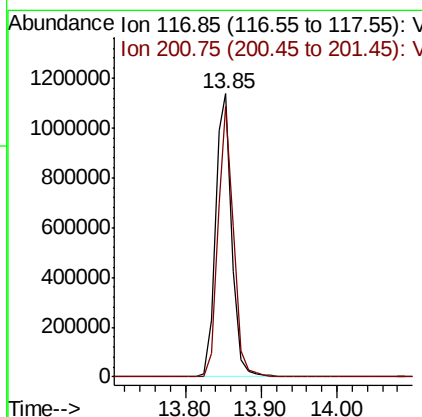
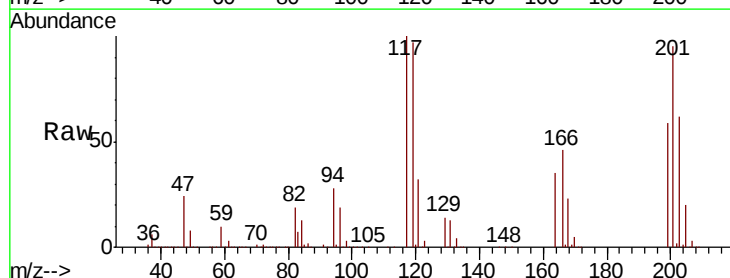
Manual Integrations  
APPROVED

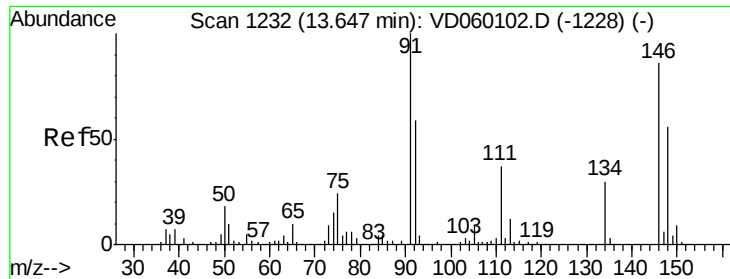
apatel  
10/2/2018 12:31:26 PM



#90  
Hexachloroethane  
Concen: 138.892 ug/l  
RT: 13.85 min Scan# 1253  
Delta R.T. 0.01 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Tgt Ion: 117 Resp: 1725611  
Ion Ratio Lower Upper  
117 100  
201 95.4 34.8 104.5





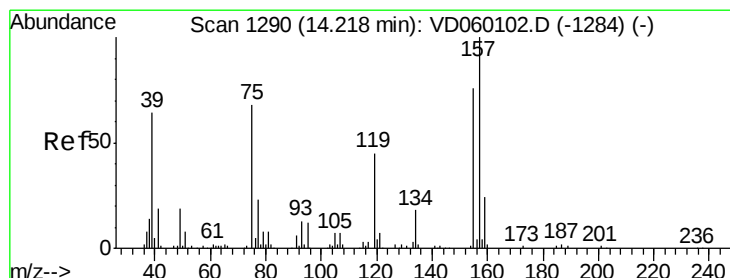
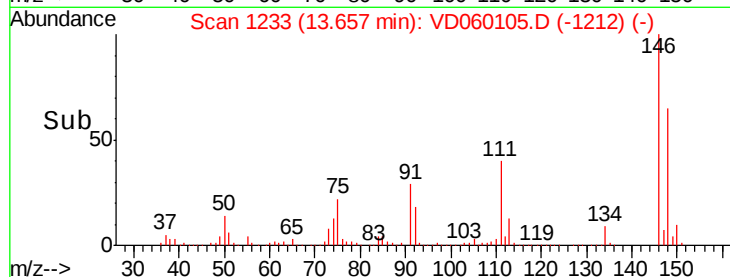
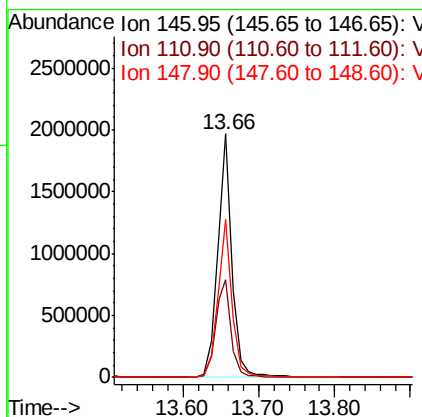
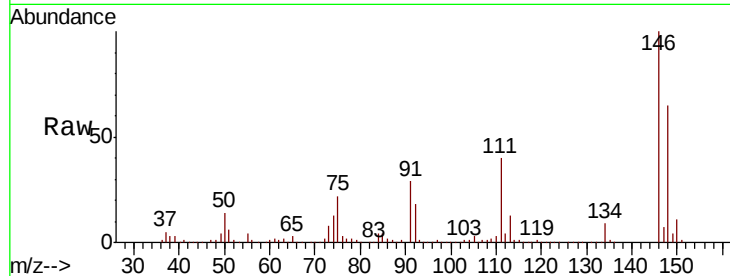
#91  
 1,2-Dichlorobenzene  
 Concen: 105.825 ug/l  
 RT: 13.66 min Scan# 1233  
 Delta R.T. 0.01 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDIC150

Tot Ion:146 Resp: 2597813  
 Ion Ratio Lower Upper  
 146 100  
 111 40.2 21.4 64.3  
 148 65.0 32.2 96.6

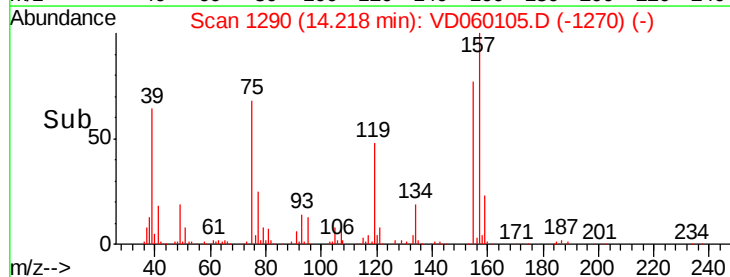
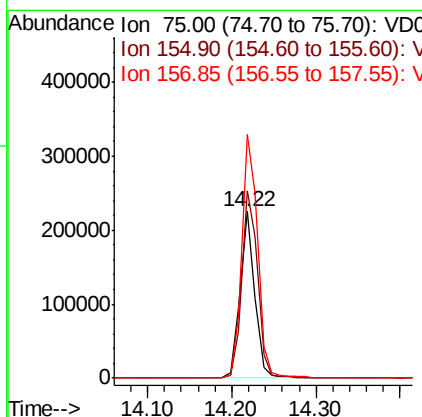
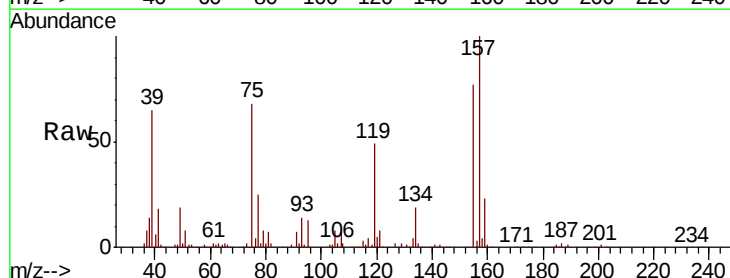
Manual Integrations  
 APPROVED

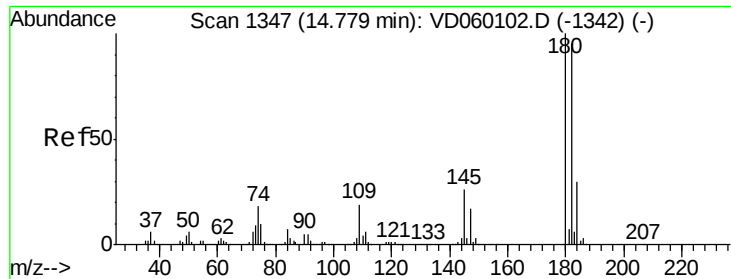
apatel  
 10/2/2018 12:31:26 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 132.435 ug/l  
 RT: 14.22 min Scan# 1290  
 Delta R.T. 0.00 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Tgt Ion: 75 Resp: 271206  
 Ion Ratio Lower Upper  
 75 100  
 155 112.9 55.9 167.7  
 157 146.4 73.3 219.8





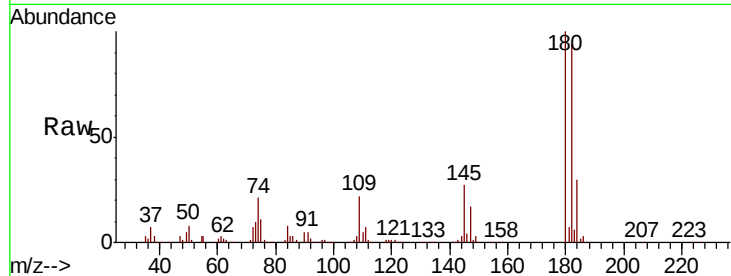
#93  
 1,2,4-Trichlorobenzene  
 Concen: 129.818 ug/l  
 RT: 14.78 min Scan# 1347  
 Delta R.T. 0.00 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

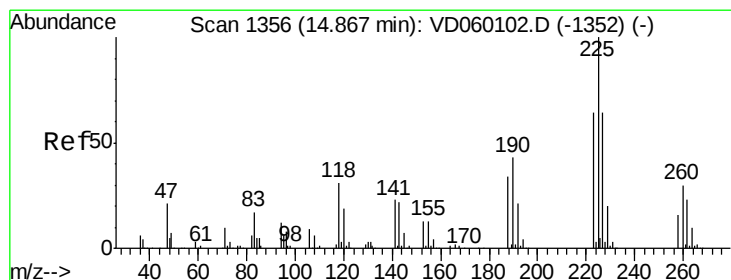
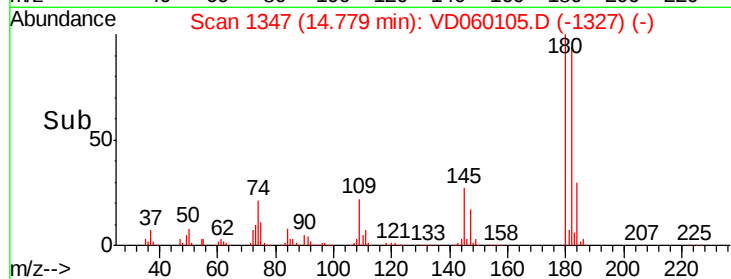
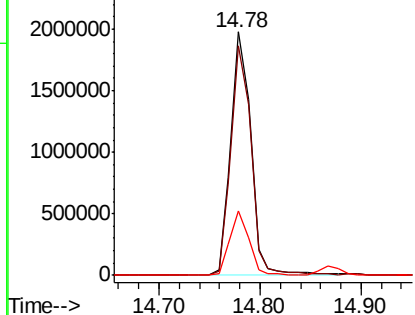
Tot Ion:180 Resp: 2751826  
 Ion Ratio Lower Upper  
 180 100  
 182 94.3 47.3 141.8  
 145 26.7 13.0 38.9

Manual Integrations  
 APPROVED

apatel  
 10/2/2018 12:31:26 PM

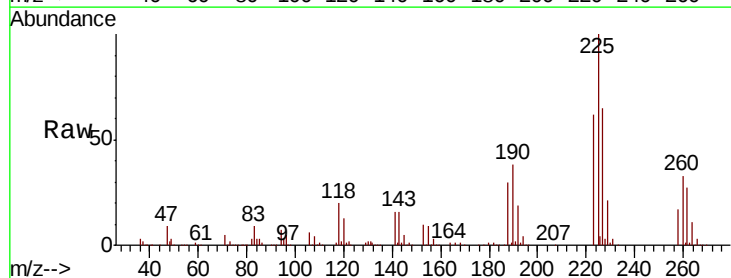


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

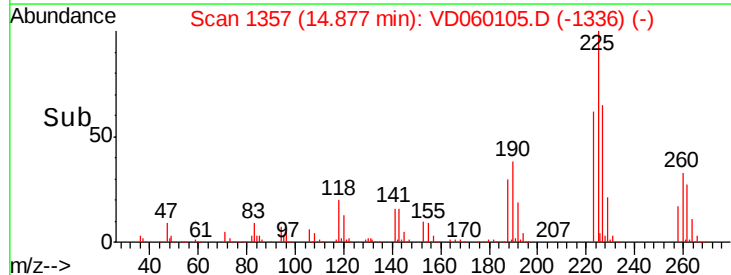
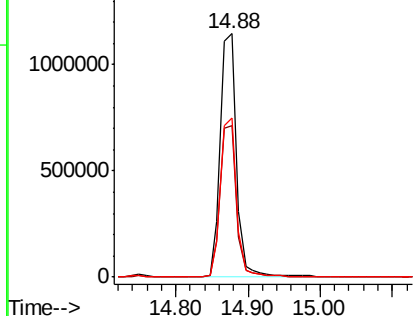


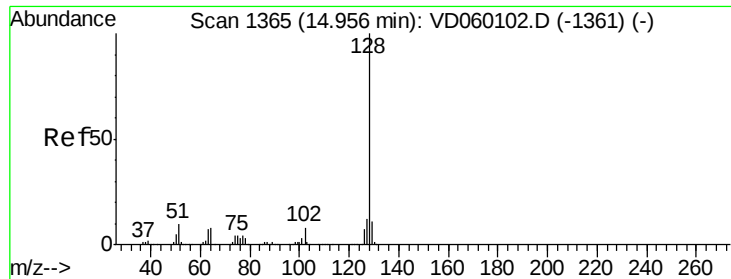
#94  
 Hexachlorobutadiene  
 Concen: 126.896 ug/l  
 RT: 14.88 min Scan# 1357  
 Delta R.T. 0.01 min  
 Lab File: VD060105.D  
 Acq: 1 Oct 2018 19:15

Tgt Ion:225 Resp: 1782172  
 Ion Ratio Lower Upper  
 225 100  
 223 62.0 31.8 95.4  
 227 65.2 32.0 96.0



Abundance Ion 224.75 (224.45 to 225.45): V  
 Ion 222.75 (222.45 to 223.45): V  
 Ion 226.75 (226.45 to 227.45): V





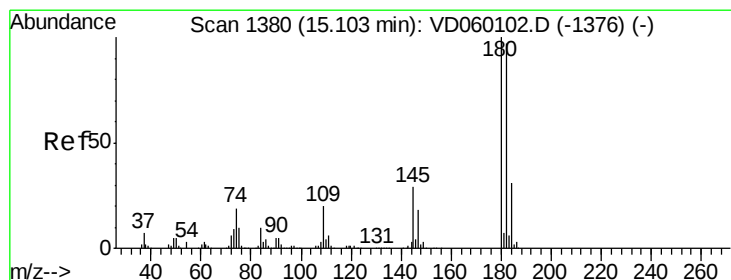
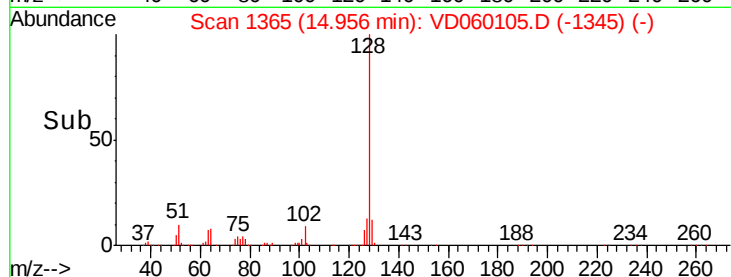
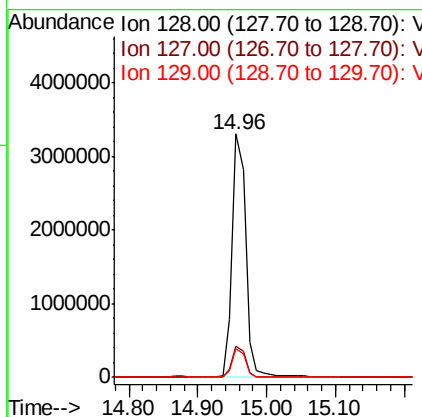
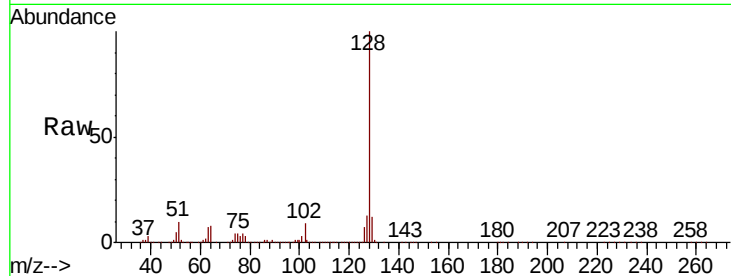
#95  
Naphthalene  
Concen: 140.527 ug/l  
RT: 14.96 min Scan# 1365  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion:128 Resp: 4593605  
Ion Ratio Lower Upper  
128 100  
127 12.8 9.9 14.9  
129 11.6 8.8 13.2

Manual Integrations  
APPROVED

apatel  
10/2/2018 12:31:26 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 135.532 ug/l  
RT: 15.10 min Scan# 1380  
Delta R.T. 0.00 min  
Lab File: VD060105.D  
Acq: 1 Oct 2018 19:15

Tgt Ion:180 Resp: 2516200  
Ion Ratio Lower Upper  
180 100  
182 94.8 48.4 145.0  
145 27.9 14.5 43.6

