

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\  
 Data File : VD061888.D  
 Acq On : 18 Apr 2019 23:50  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/19/2019 6:24:22 PM

Quant Time: Apr 19 01:10:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D041519S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 18 13:49:04 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.05  | 168  | 494175   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.23  | 114  | 833041   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.37 | 117  | 695763   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.53 | 152  | 311571   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.46   | 65  | 227677   | 54.97 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.94% |      |
| 35) Dibromofluoromethane  | 6.93   | 113 | 341655   | 54.29 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.58% |      |
| 50) Toluene-d8            | 10.41  | 98  | 783539   | 52.54 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.08% |      |
| 62) 4-Bromofluorobenzene  | 13.56  | 95  | 305395   | 50.53 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.06% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.57 | 85  | 253309  | 52.518  | ug/l   | 98     |
| 3) Chloromethane              | 1.75 | 50  | 220769  | 57.433  | ug/l   | 95     |
| 4) Vinyl Chloride             | 1.85 | 62  | 220323  | 57.753  | ug/l   | 97     |
| 5) Bromomethane               | 2.15 | 94  | 57974   | 69.328  | ug/l   | 94     |
| 6) Chloroethane               | 2.26 | 64  | 82846   | 63.657  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 2.53 | 101 | 351973  | 56.887  | ug/l   | 99     |
| 8) Diethyl Ether              | 2.87 | 74  | 88951   | 54.857  | ug/l   | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.15 | 101 | 289451  | 52.467  | ug/l   | 98     |
| 10) Methyl Iodide             | 3.30 | 142 | 453013  | 51.335  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.06 | 59  | 68799   | 281.682 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 3.13 | 96  | 243777  | 52.561  | ug/l   | 97     |
| 13) Acrolein                  | 3.04 | 56  | 76526   | 323.648 | ug/l   | 90     |
| 14) Allyl chloride            | 3.62 | 41  | 352460  | 55.753  | ug/l   | 97     |
| 15) Acrylonitrile             | 4.19 | 53  | 216456  | 282.294 | ug/l   | 93     |
| 16) Acetone                   | 3.21 | 43  | 261765  | 256.441 | ug/l   | 96     |
| 17) Carbon Disulfide          | 3.38 | 76  | 764345  | 51.006  | ug/l   | 100    |
| 18) Methyl Acetate            | 3.64 | 43  | 107821  | 52.700  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 4.23 | 73  | 454492  | 52.510  | ug/l   | 95     |
| 20) Methylene Chloride        | 3.81 | 84  | 310514  | 62.330  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 4.22 | 96  | 269688  | 52.911  | ug/l   | 94     |
| 22) Diisopropyl ether         | 5.12 | 45  | 782954  | 57.939  | ug/l   | 97     |
| 23) Vinyl Acetate             | 5.06 | 43  | 2126881 | 294.428 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 4.99 | 63  | 459351  | 56.065  | ug/l   | 99     |
| 25) 2-Butanone                | 6.07 | 43  | 329747  | 283.749 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 6.03 | 77  | 363246  | 51.294  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.04 | 96  | 305151  | 55.227  | ug/l   | 99     |
| 28) Bromochloromethane        | 6.44 | 49  | 162597  | 52.247  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 6.46 | 42  | 155642  | 274.947 | ug/l   | 99     |
| 30) Chloroform                | 6.67 | 83  | 535147  | 58.560  | ug/l   | 98     |
| 31) Cyclohexane               | 6.97 | 56  | 336619  | 53.670  | ug/l   | 95     |
| 32) 1,1,1-Trichloroethane     | 6.88 | 97  | 464886  | 57.388  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 7.15 | 75  | 373365  | 54.848  | ug/l   | 96     |
| 37) Ethyl Acetate             | 6.18 | 43  | 147975  | 50.790  | ug/l # | 94     |
| 38) Carbon Tetrachloride      | 7.11 | 117 | 466256m | 54.243  | ug/l   |        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\  
 Data File : VD061888.D  
 Acq On : 18 Apr 2019 23:50  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/19/2019 6:24:22 PM

Quant Time: Apr 19 01:10:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D041519S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 18 13:49:04 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 8.87  | 83   | 373712   | 52.867   | ug/l   | 97       |
| 40) Benzene                    | 7.46  | 78   | 877404   | 53.687   | ug/l   | 99       |
| 41) Methacrylonitrile          | 6.44  | 41   | 179131   | 52.019   | ug/l # | 92       |
| 42) 1,2-Dichloroethane         | 7.59  | 62   | 322483   | 56.658   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 9.24  | 43   | 230650   | 56.257   | ug/l   | 100      |
| 44) Trichloroethene            | 8.55  | 130  | 328730   | 52.251   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 8.94  | 63   | 227373   | 53.413   | ug/l   | 98       |
| 46) Dibromomethane             | 9.06  | 93   | 168002   | 55.387   | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.38  | 83   | 390772   | 55.843   | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.12  | 41   | 133191   | 55.266   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.09  | 88   | 31332    | 1189.452 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 10.30 | 43   | 722836   | 288.297  | ug/l   | 100      |
| 52) Toluene                    | 10.51 | 92   | 517935   | 49.455   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.92 | 75   | 332113   | 52.671   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.05 | 75   | 401248   | 54.212   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 11.20 | 97   | 183531   | 52.007   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 11.05 | 69   | 197631   | 51.025   | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 11.41 | 76   | 274413   | 51.723   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.86  | 63   | 508993   | 276.286  | ug/l   | 97       |
| 59) 2-Hexanone                 | 11.53 | 43   | 487730   | 261.910  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.69 | 129  | 333724   | 57.795   | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.81 | 107  | 211051   | 48.637   | ug/l   | 97       |
| 64) Tetrachloroethene          | 11.27 | 164  | 247544   | 47.441   | ug/l   | 98       |
| 65) Chlorobenzene              | 12.40 | 112  | 701728   | 54.156   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.52 | 131  | 264963   | 48.796   | ug/l   | 97       |
| 67) Ethyl Benzene              | 12.53 | 91   | 1010088  | 48.678   | ug/l   | 98       |
| 68) m/p-Xylenes                | 12.67 | 106  | 802443   | 102.949  | ug/l   | 99       |
| 69) o-Xylene                   | 13.05 | 106  | 352665   | 48.137   | ug/l   | 96       |
| 70) Styrene                    | 13.08 | 104  | 632876   | 50.199   | ug/l   | 99       |
| 71) Bromoform                  | 13.24 | 173  | 172872   | 53.634   | ug/l   | 99       |
| 73) Isopropylbenzene           | 13.40 | 105  | 1001153  | 49.546   | ug/l   | 99       |
| 74) N-amyl acetate             | 13.27 | 43   | 272894   | 50.223   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.70 | 83   | 212581   | 53.223   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 13.74 | 75   | 224378   | 54.837   | ug/l   | 99       |
| 77) Bromobenzene               | 13.68 | 156  | 304769   | 53.097   | ug/l   | 98       |
| 78) n-propylbenzene            | 13.78 | 91   | 1295849  | 55.507   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 13.85 | 91   | 755278   | 55.381   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 13.93 | 105  | 886621   | 55.300   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 13.48 | 75   | 63729    | 48.182   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 13.95 | 91   | 817517   | 52.371   | ug/l   | 97       |
| 83) tert-Butylbenzene          | 14.19 | 119  | 971090   | 51.583   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 14.24 | 105  | 885607   | 54.951   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 14.37 | 105  | 1133113  | 58.223   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 14.50 | 119  | 958602   | 52.644   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 14.46 | 146  | 548824   | 54.770   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 14.55 | 146  | 504464   | 50.929   | ug/l   | 96       |
| 89) n-Butylbenzene             | 14.80 | 91   | 777661   | 48.247   | ug/l   | 96       |
| 90) Hexachloroethane           | 15.01 | 117  | 284842   | 57.392   | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene        | 14.81 | 146  | 433813   | 51.684   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.38 | 75   | 33439    | 57.209   | ug/l   | 84       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\  
Data File : VD061888.D  
Acq On : 18 Apr 2019 23:50  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

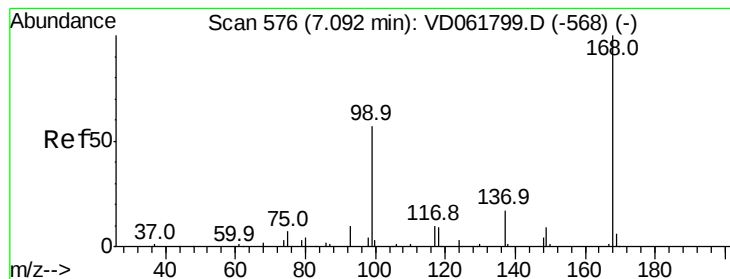
MMDadoda  
4/19/2019 6:24:22 PM

Quant Time: Apr 19 01:10:57 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D041519S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 18 13:49:04 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.95 | 180  | 247619   | 53.713 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 16.04 | 225  | 190681   | 57.076 | ug/l  | 99       |
| 95) Naphthalene            | 16.13 | 128  | 423121   | 59.882 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 16.28 | 180  | 157921   | 60.112 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 494175

Ion Ratio Lower Upper

168 100

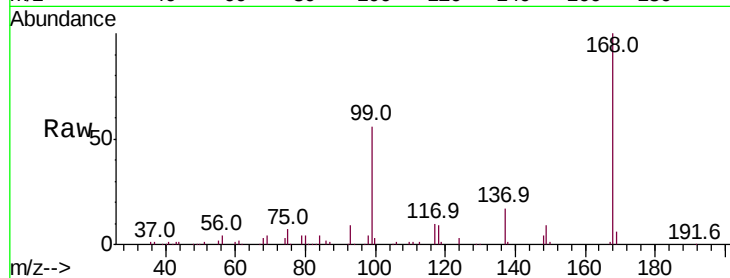
99 55.8 46.5 69.7

Manual Integrations

APPROVED

MMDadoda

4/19/2019 6:24:22 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

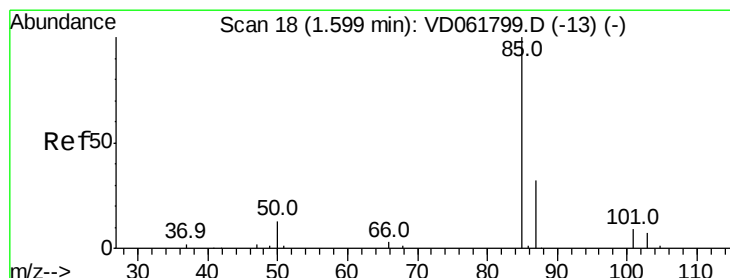
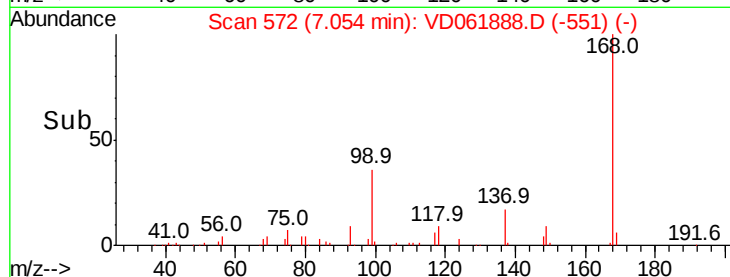
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.518 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061888.D

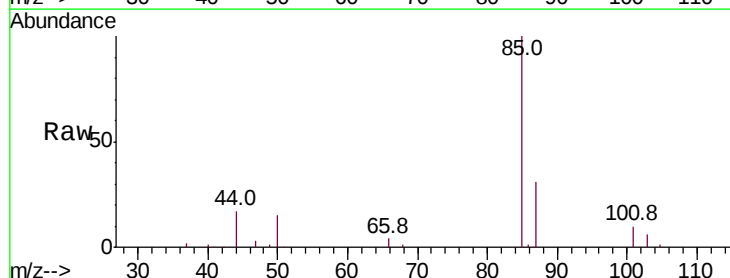
Acq: 18 Apr 2019 23:50

Tgt Ion: 85 Resp: 253309

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

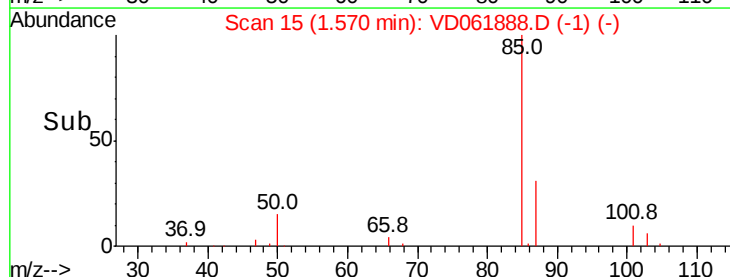
1.57

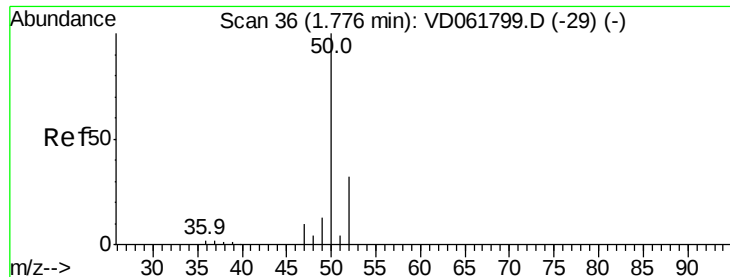
100000

50000

0

Time-->





#3

Chloromethane

Concen: 57.433 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 220769

Ion Ratio Lower Upper

50 100

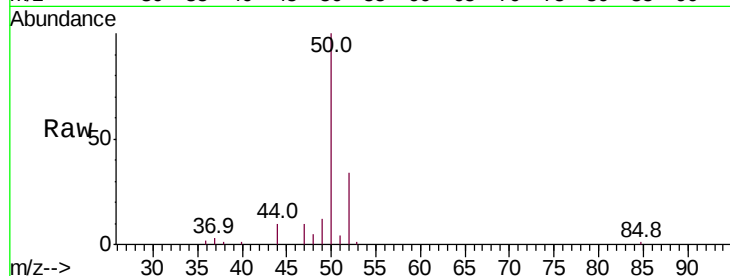
52 34.0 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

4/19/2019 6:24:22 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

80000

60000

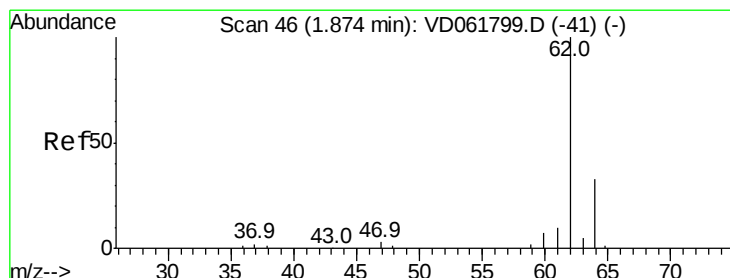
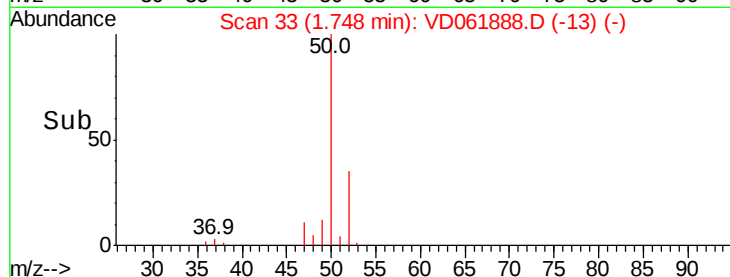
40000

20000

0

1.60 1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 57.753 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061888.D

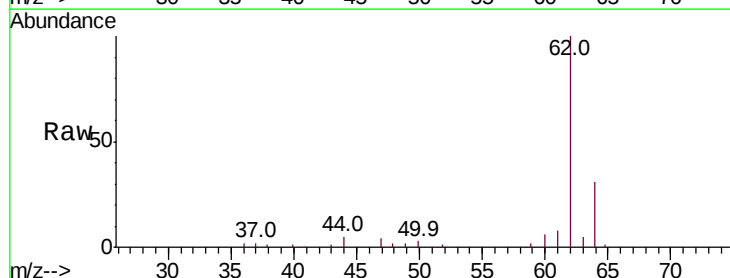
Acq: 18 Apr 2019 23:50

Tgt Ion: 62 Resp: 220323

Ion Ratio Lower Upper

62 100

64 31.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

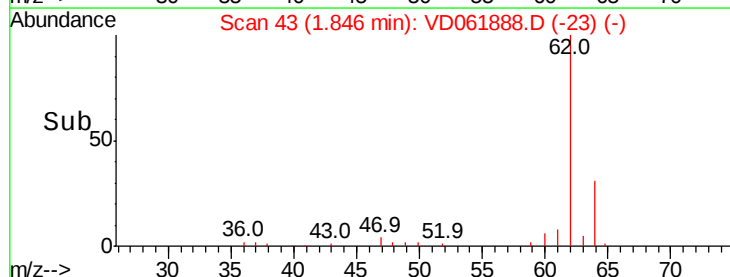
100000

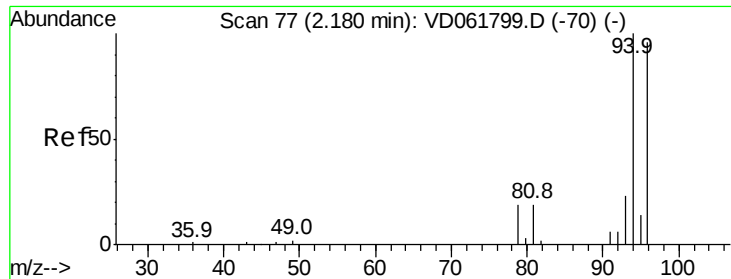
50000

0

1.70 1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 69.328 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 57974

Ion Ratio Lower Upper

94 100

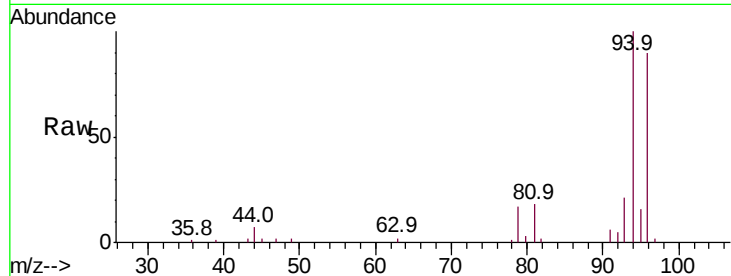
96 89.7 76.6 115.0

93 20.8 18.5 27.7

Manual Integrations  
APPROVED

MMDadoda

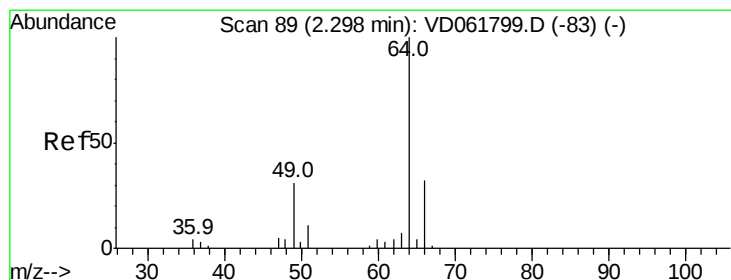
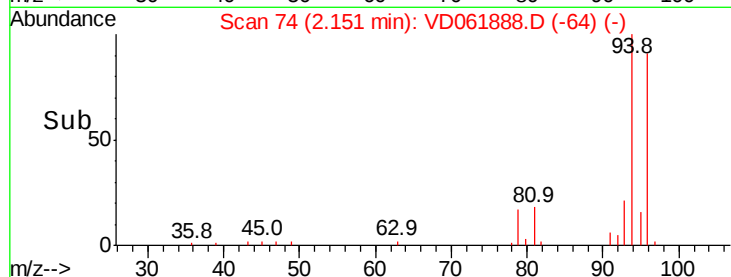
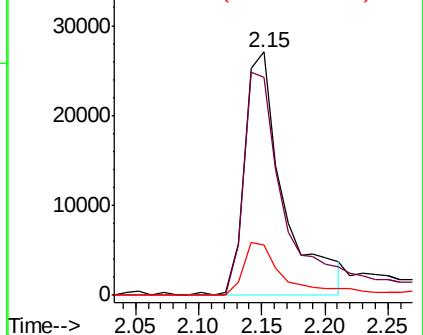
4/19/2019 6:24:22 PM



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 63.657 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061888.D

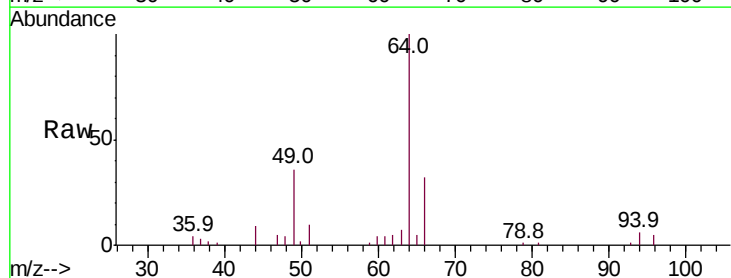
Acq: 18 Apr 2019 23:50

Tgt Ion: 64 Resp: 82846

Ion Ratio Lower Upper

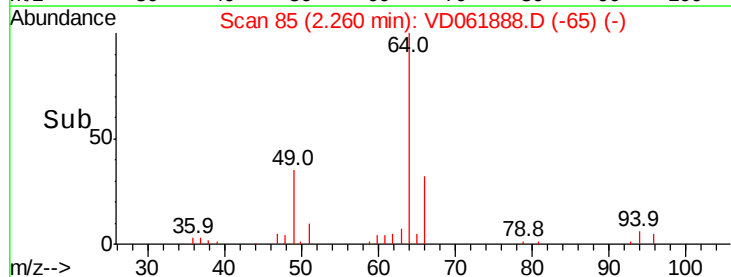
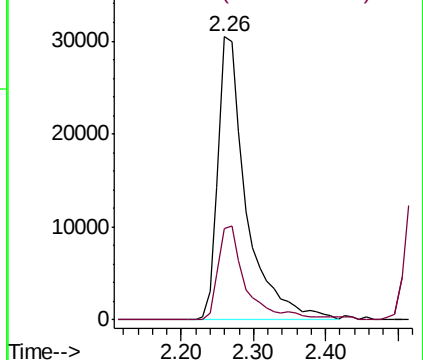
64 100

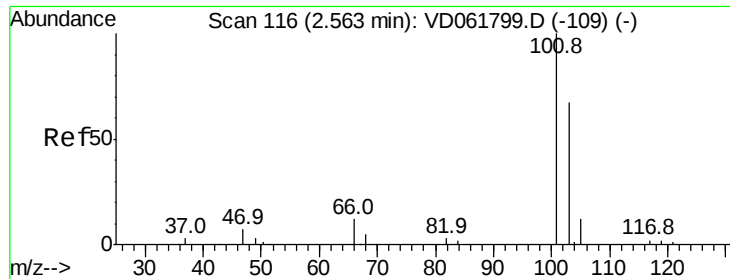
66 32.2 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

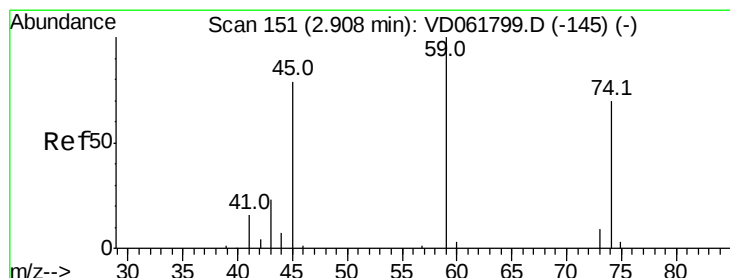
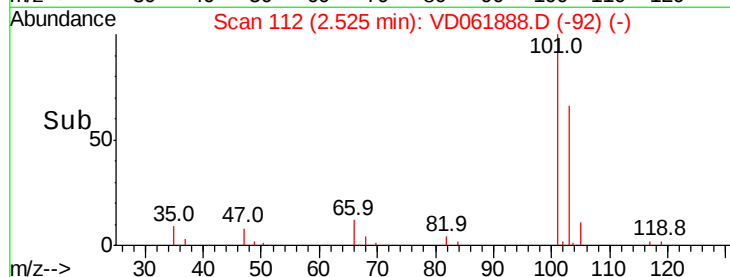
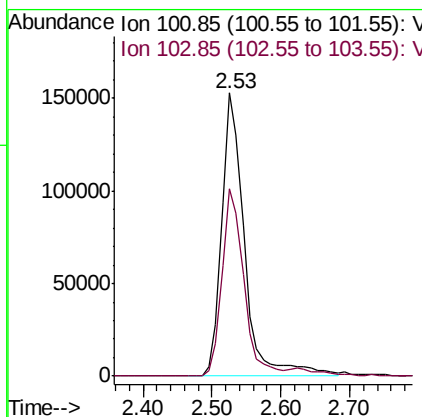
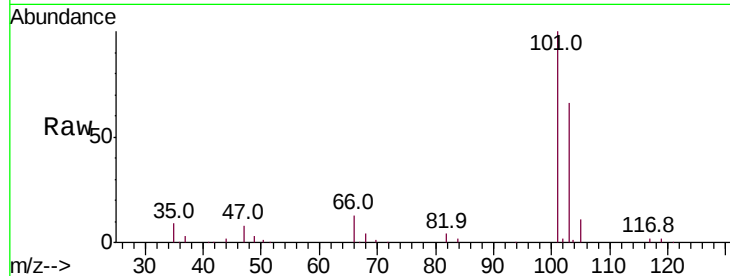
Trichlorofluoromethane  
 Concen: 56.887 ug/l  
 RT: 2.53 min Scan# 112  
 Delta R.T. -0.01 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:101 Resp: 351973  
 Ion Ratio Lower Upper  
 101 100  
 103 66.3 53.6 80.4

Manual Integrations  
 APPROVED

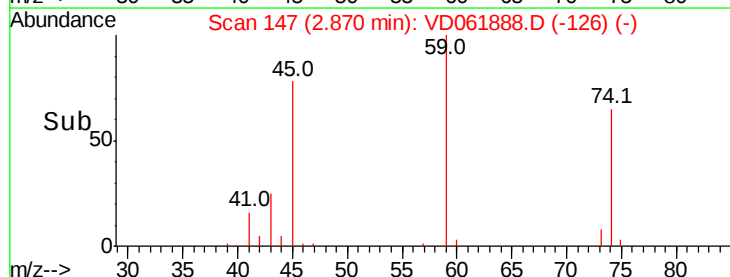
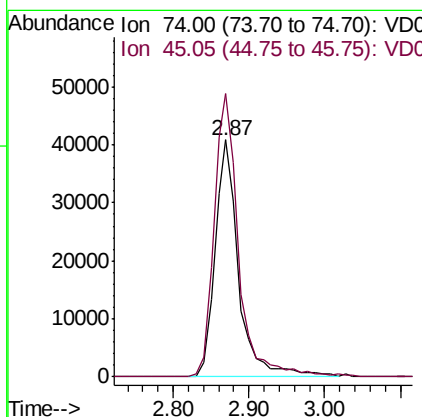
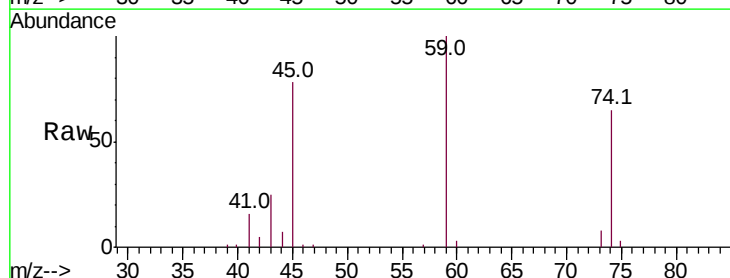
MMDadoda  
 4/19/2019 6:24:22 PM

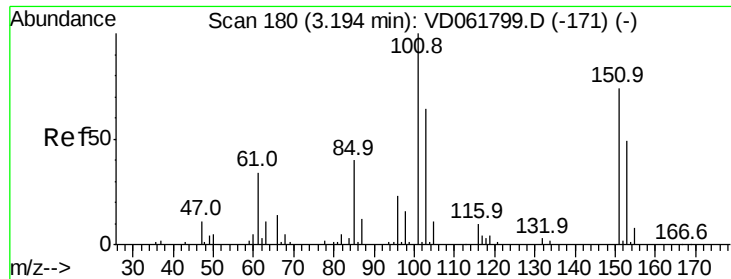


#8

Diethyl Ether  
 Concen: 54.857 ug/l  
 RT: 2.87 min Scan# 147  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Tgt Ion: 74 Resp: 88951  
 Ion Ratio Lower Upper  
 74 100  
 45 119.4 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.467 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

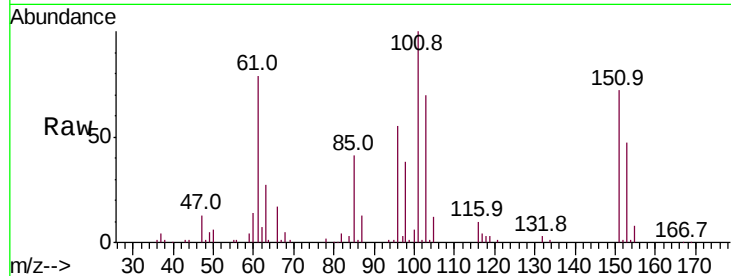
ClientSampleId :

VSTDCCC050

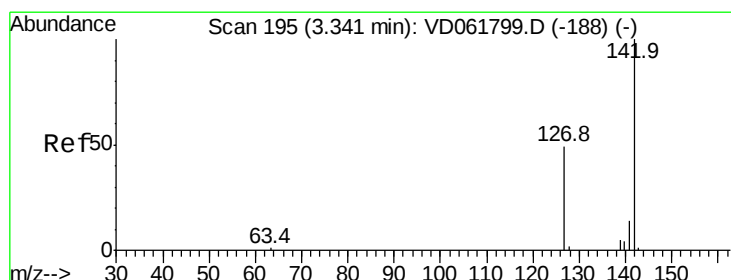
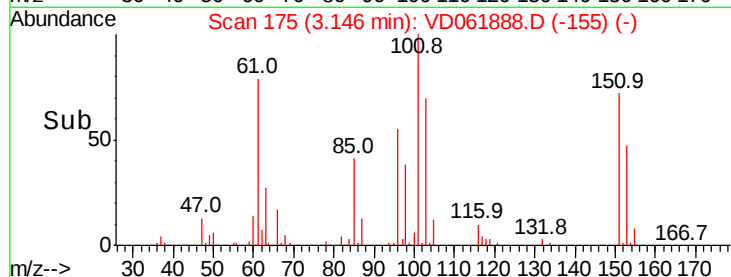
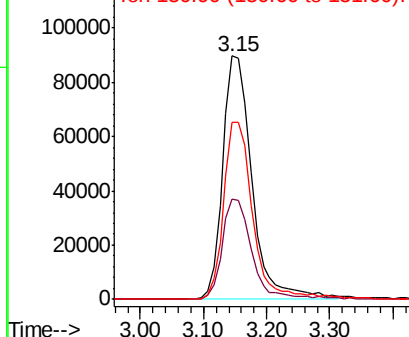
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 289451 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.2  | 32.4  | 48.6   |
| 151       | 72.5  | 59.4  | 89.0   |

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 6:24:22 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: 51.335 ug/l

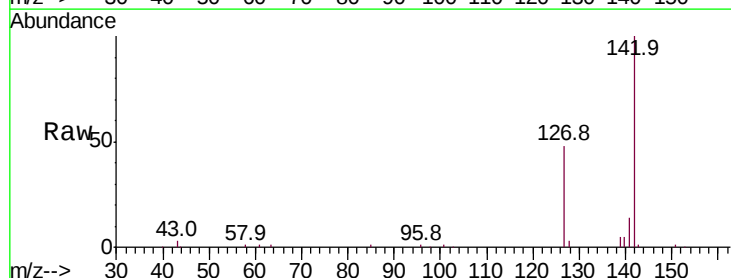
RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

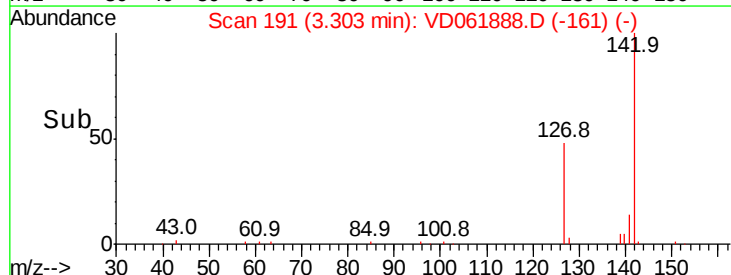
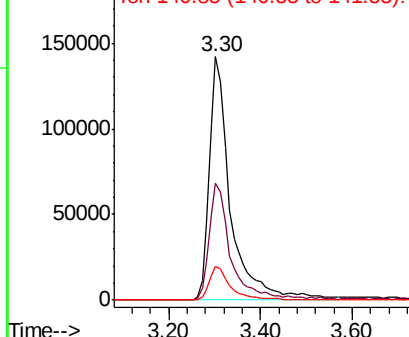
Lab File: VD061888.D

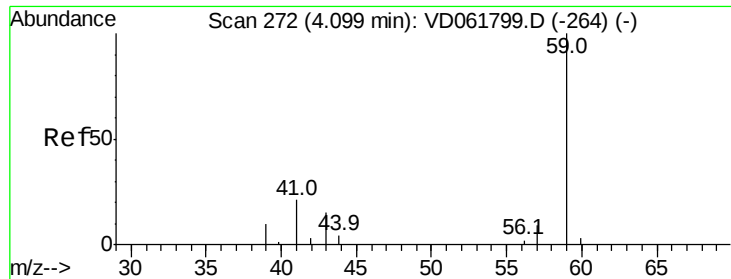
Acq: 18 Apr 2019 23:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 453013 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 48.0  | 38.8  | 58.2   |
| 141       | 14.0  | 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

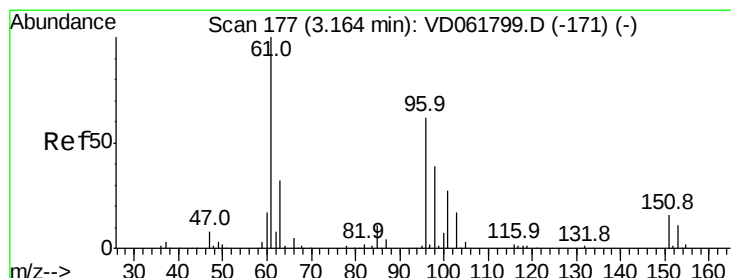
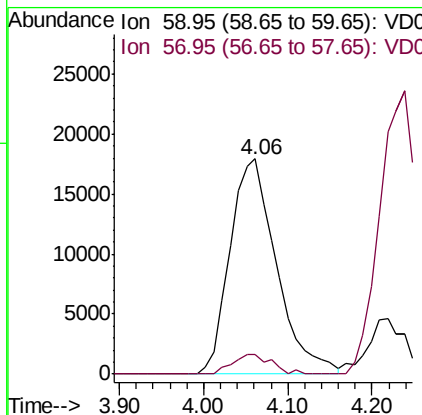
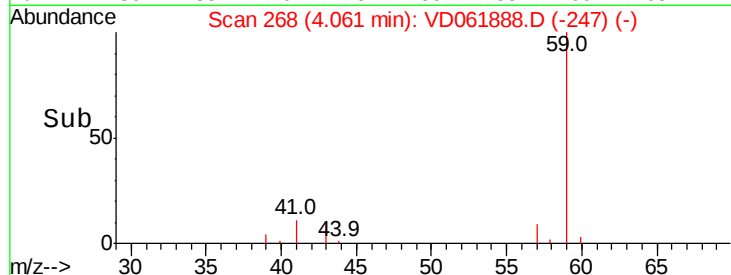
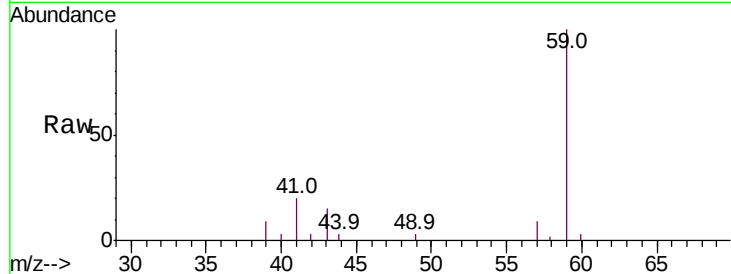
Tert butyl alcohol  
 Concen: 281.682 ug/l  
 RT: 4.06 min Scan# 268  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.2   | 6.9   | 10.3  |

Manual Integrations  
 APPROVED

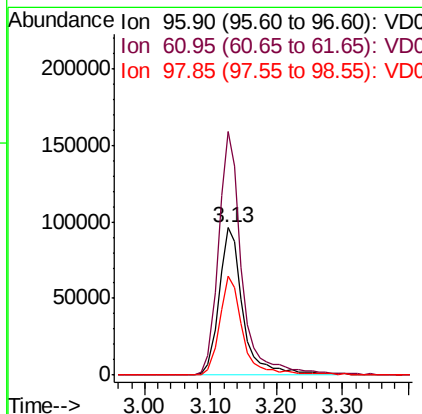
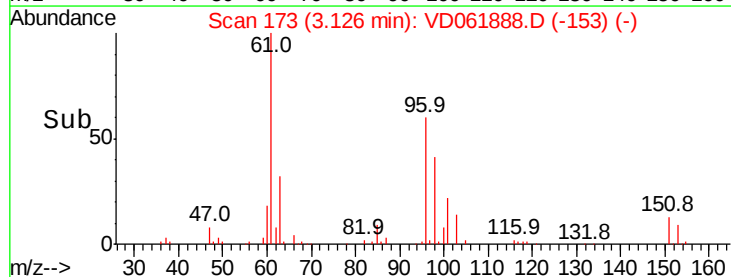
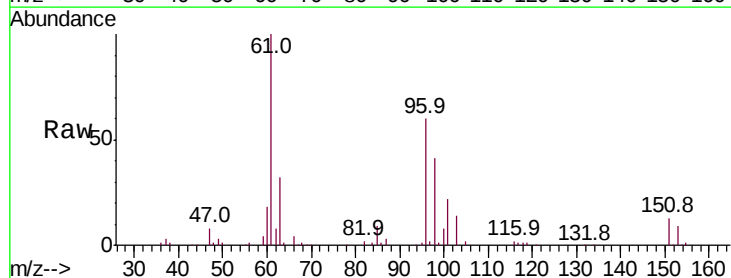
MMDadoda  
 4/19/2019 6:24:22 PM

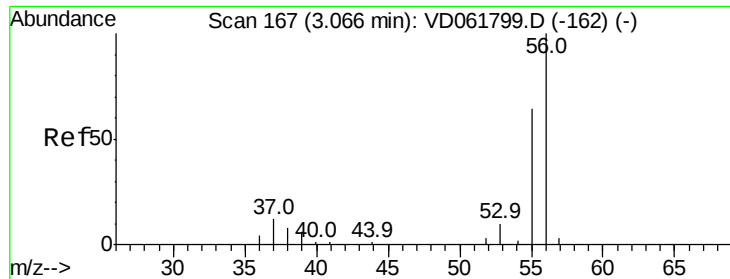


#12

1,1-Dichloroethene  
 Concen: 52.561 ug/l  
 RT: 3.13 min Scan# 173  
 Delta R.T. -0.01 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 165.4 | 129.8 | 194.8 |
| 98      | 67.1  | 51.2  | 76.8  |





#13

Acrolein

Concen: 323.648 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 76526

Ion Ratio Lower Upper

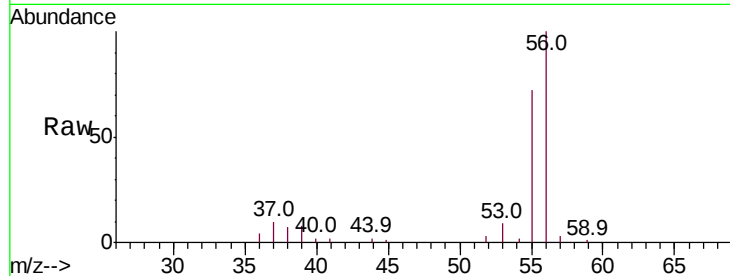
56 100

55 72.0 51.4 77.2

Manual Integrations  
APPROVED

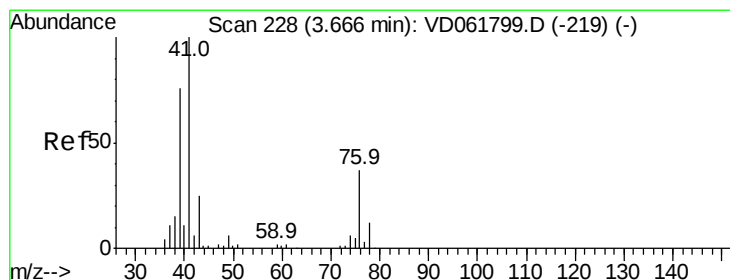
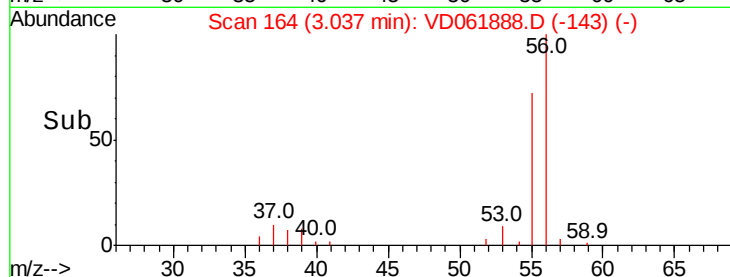
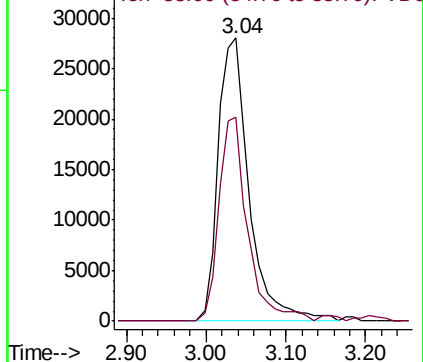
MMDadoda

4/19/2019 6:24:22 PM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 55.753 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

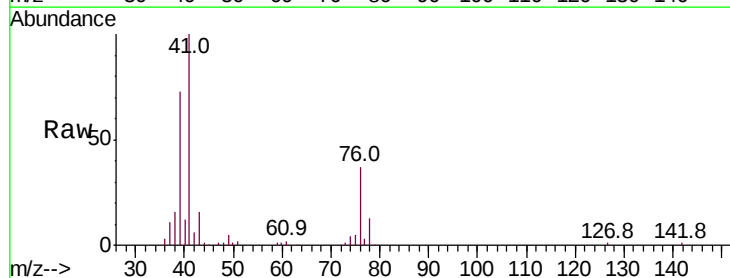
Tgt Ion: 41 Resp: 352460

Ion Ratio Lower Upper

41 100

39 73.5 60.5 90.7

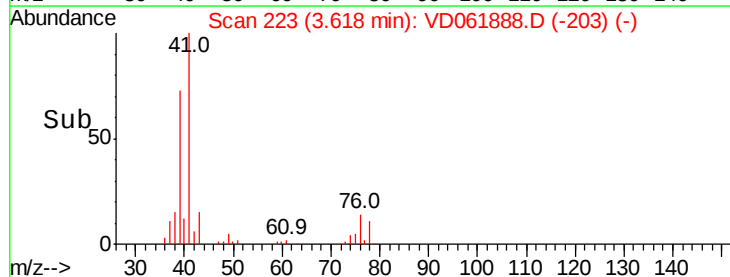
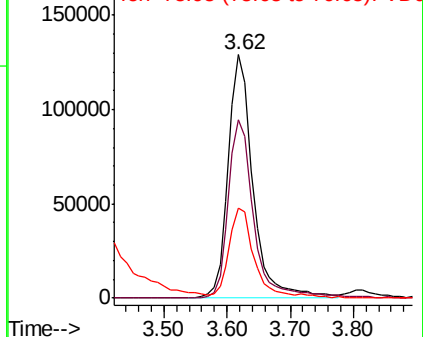
76 37.2 31.8 47.8

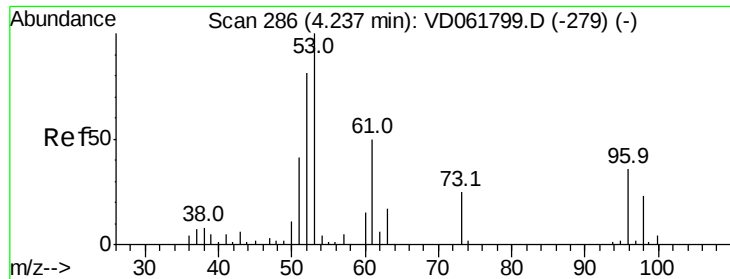


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 282.294 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

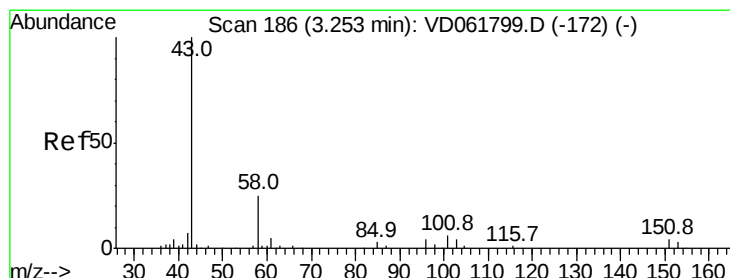
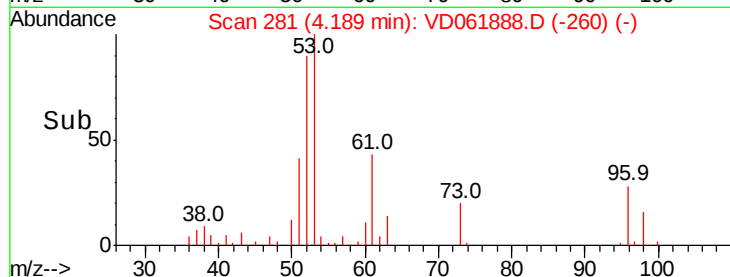
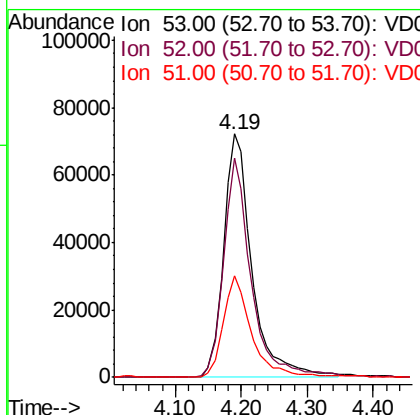
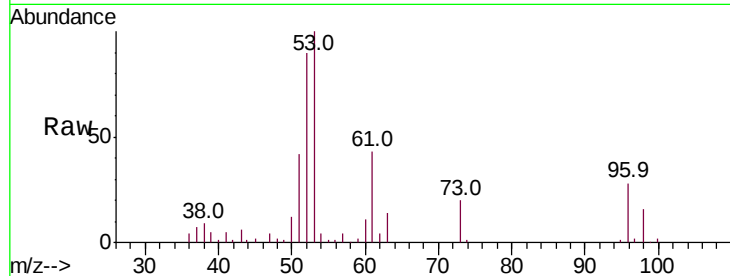
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 216456 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 89.9  | 65.0  | 97.4   |
| 51        | 41.9  | 32.6  | 48.8   |

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 6:24:22 PM



#16

Acetone

Concen: 256.441 ug/l

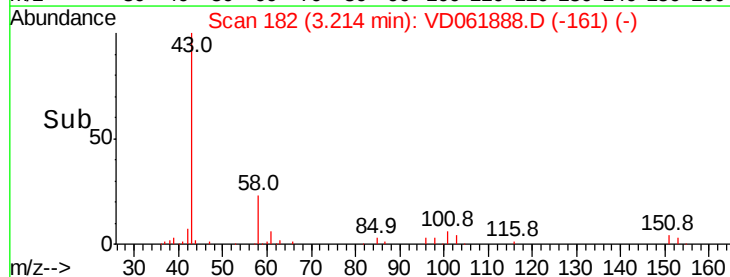
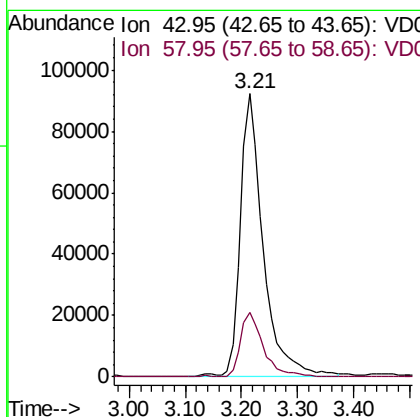
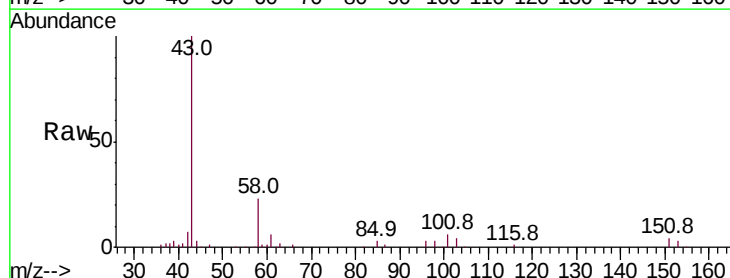
RT: 3.21 min Scan# 182

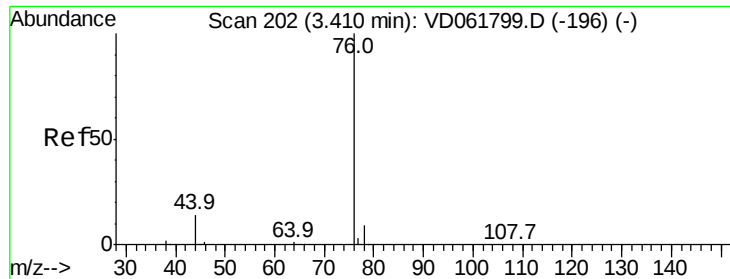
Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 261765 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 22.7  | 19.9  | 29.9   |





#17

Carbon Disulfide

Concen: 51.006 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 764345

Ion Ratio Lower Upper

76 100

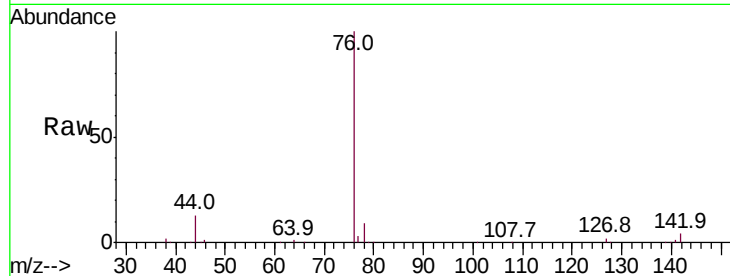
78 9.1 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

4/19/2019 6:24:22 PM



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

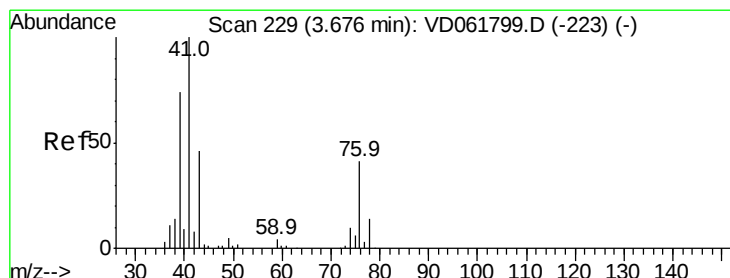
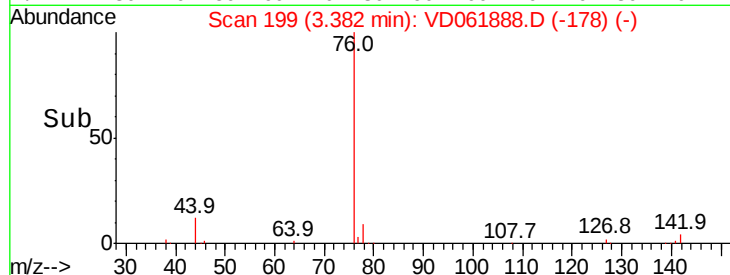
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 52.700 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD061888.D

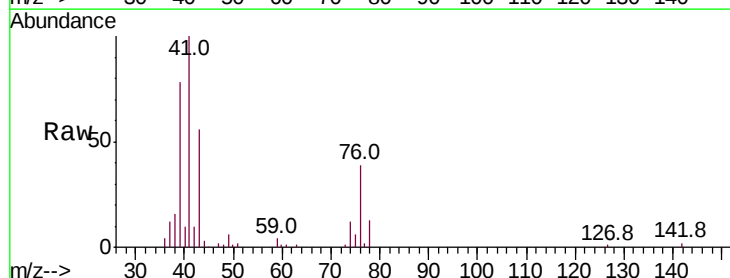
Acq: 18 Apr 2019 23:50

Tgt Ion: 43 Resp: 107821

Ion Ratio Lower Upper

43 100

74 21.4 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

40000

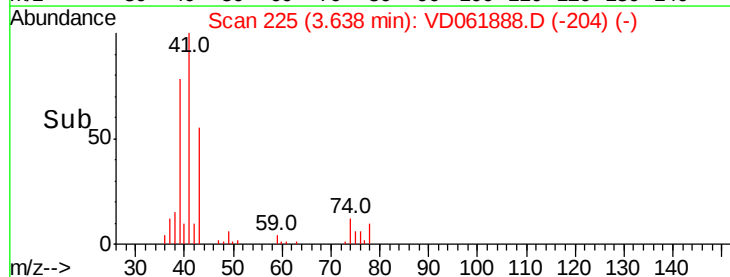
30000

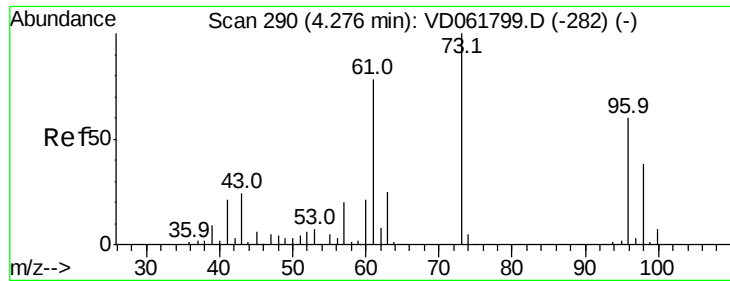
20000

10000

0

Time-->





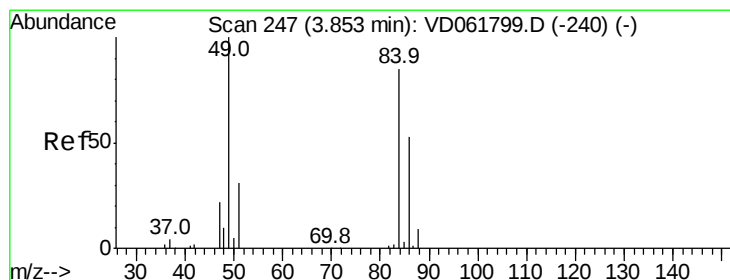
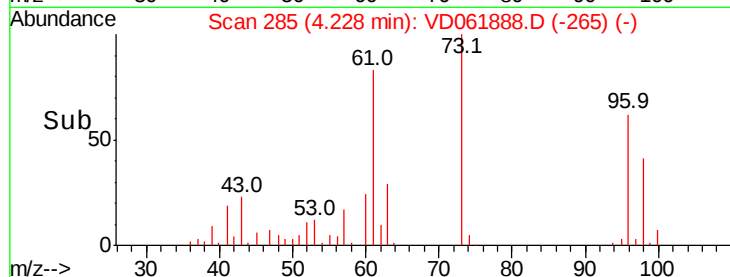
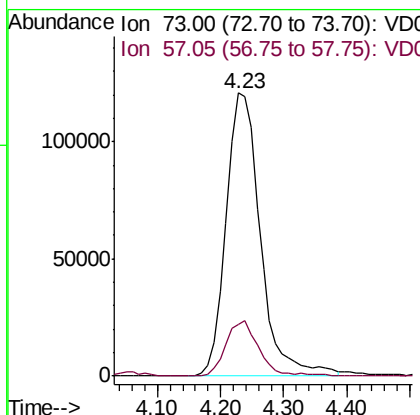
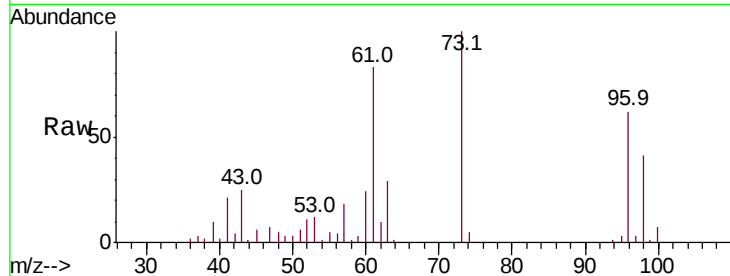
#19  
Methyl tert-butyl Ether  
Concen: 52.510 ug/l  
RT: 4.23 min Scan# 285  
Delta R.T. -0.01 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 454492  
Ion Ratio Lower Upper  
73 100  
57 18.1 16.3 24.5

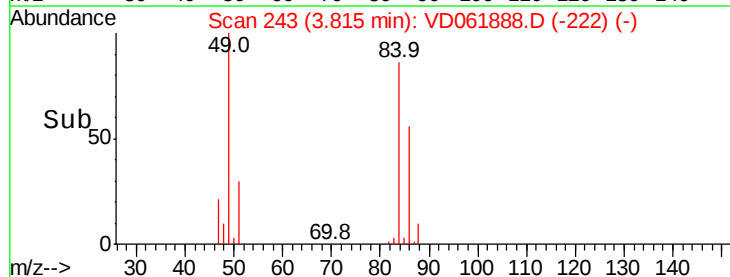
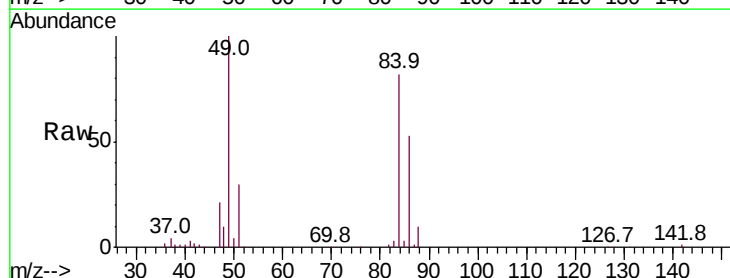
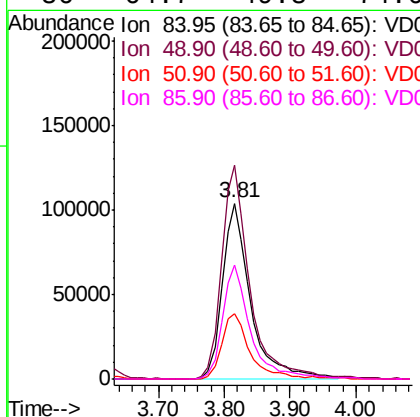
Manual Integrations  
APPROVED

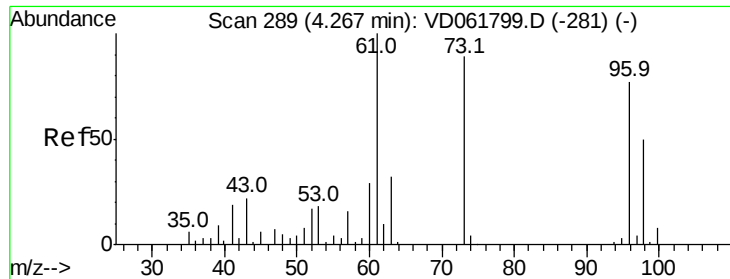
MMDadoda  
4/19/2019 6:24:22 PM



#20  
Methylene Chloride  
Concen: 62.330 ug/l  
RT: 3.81 min Scan# 243  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Tgt Ion: 84 Resp: 310514  
Ion Ratio Lower Upper  
84 100  
49 121.4 94.0 141.0  
51 37.0 29.0 43.4  
86 64.7 49.8 74.6





#21

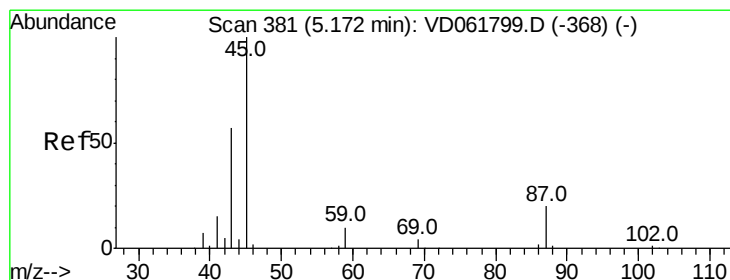
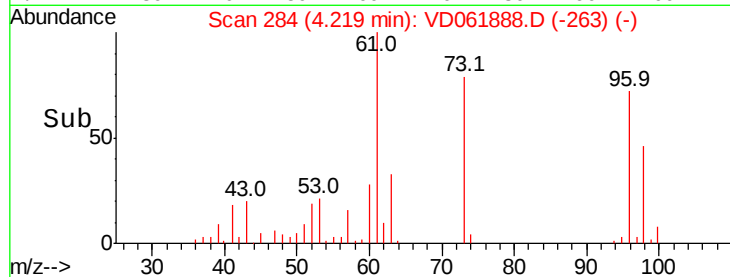
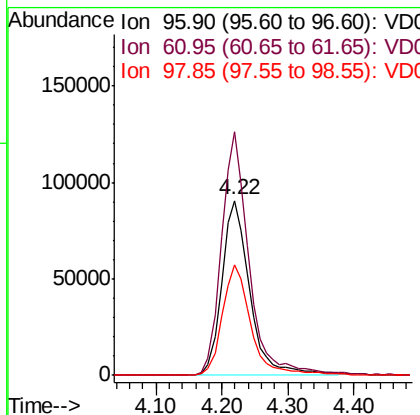
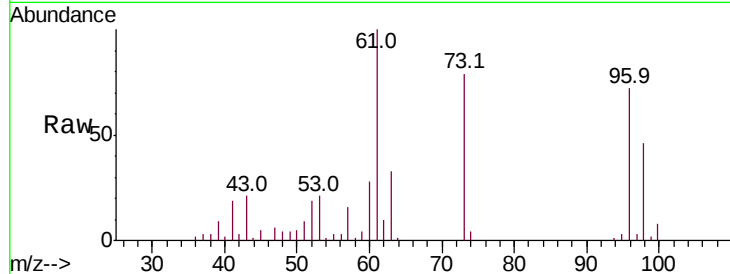
trans-1,2-Dichloroethene  
Concen: 52.911 ug/l  
RT: 4.22 min Scan# 284  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 139.4 | 104.4 | 156.6 |
| 98      | 63.6  | 51.8  | 77.8  |

Manual Integrations  
APPROVED

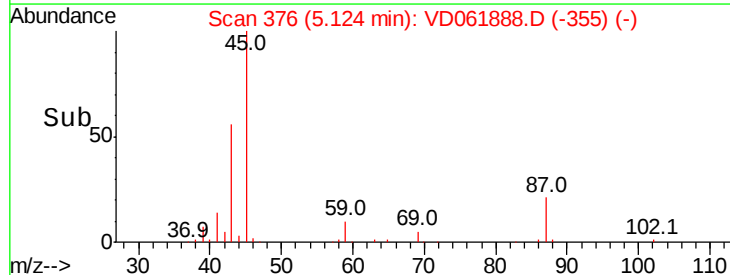
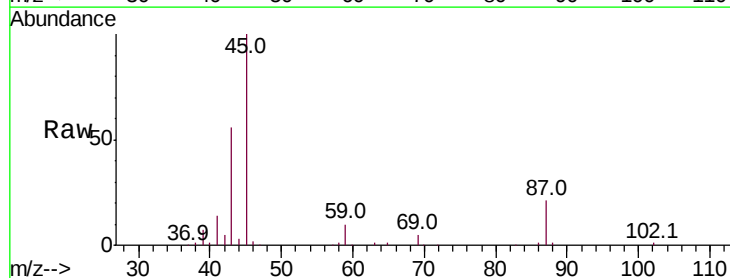
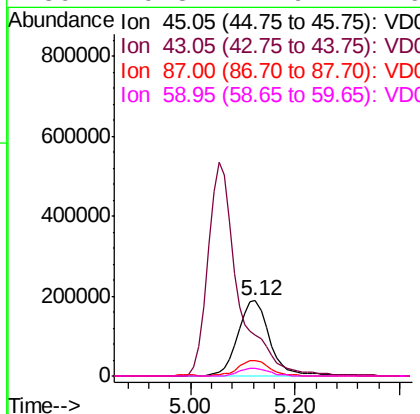
MMDadoda  
4/19/2019 6:24:22 PM

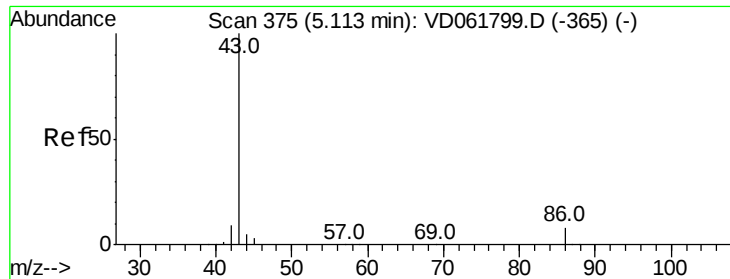


#22

Diisopropyl ether  
Concen: 57.939 ug/l  
RT: 5.12 min Scan# 376  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 55.5  | 46.2  | 69.2  |
| 87      | 21.4  | 15.9  | 23.9  |
| 59      | 9.8   | 7.9   | 11.9  |





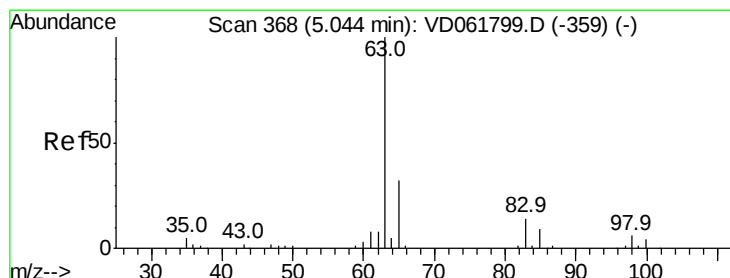
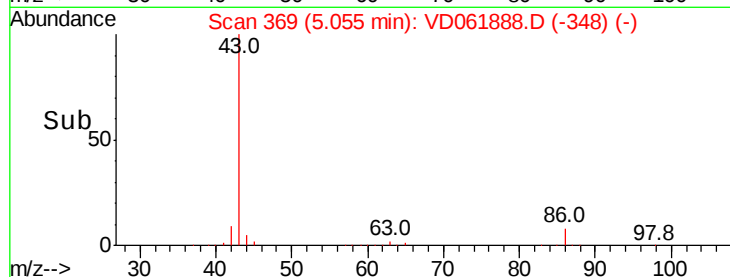
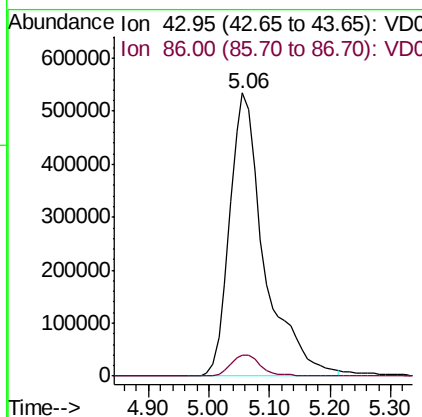
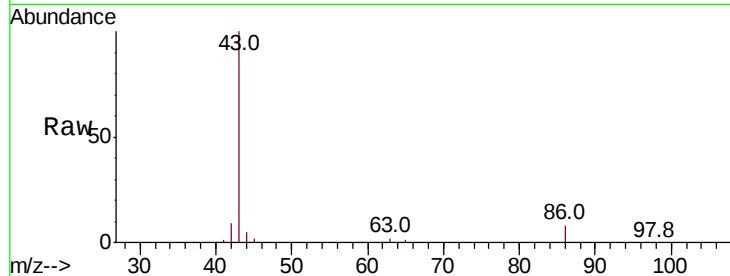
#23  
 Vinyl Acetate  
 Concen: 294.428 ug/l  
 RT: 5.06 min Scan# 369  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 2126881  
 Ion Ratio Lower Upper  
 43 100  
 86 7.5 6.4 9.6

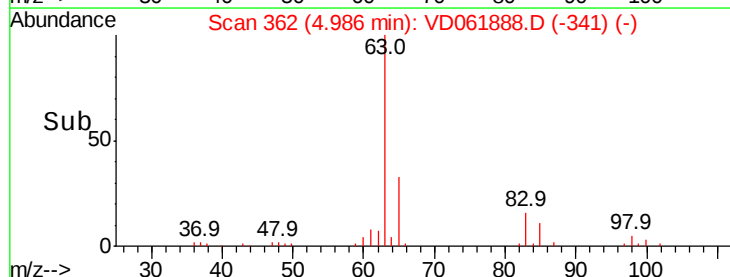
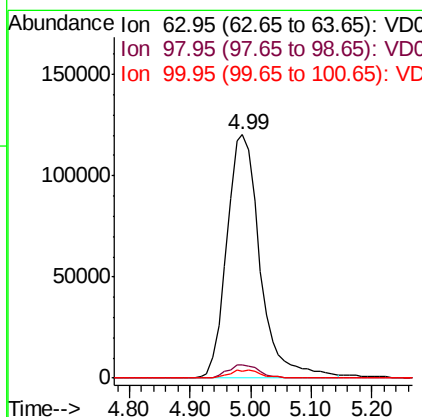
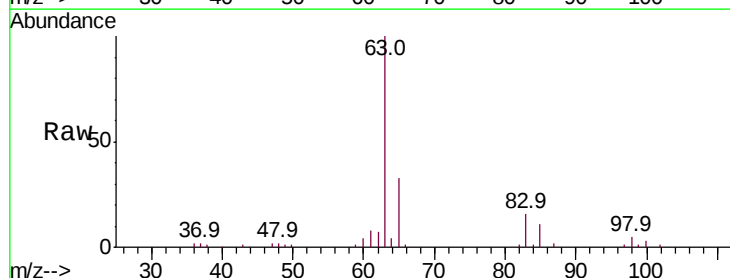
Manual Integrations  
 APPROVED

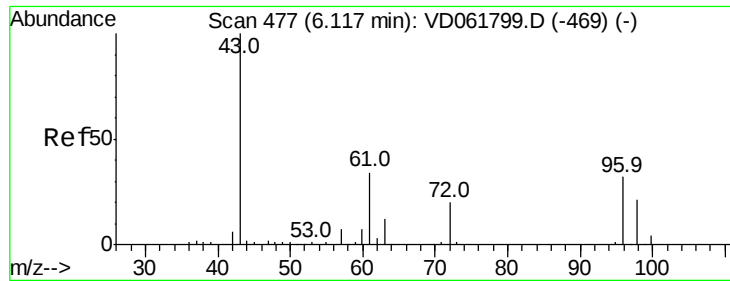
MMDadoda  
 4/19/2019 6:24:22 PM



#24  
 1,1-Dichloroethane  
 Concen: 56.065 ug/l  
 RT: 4.99 min Scan# 362  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Tgt Ion: 63 Resp: 459351  
 Ion Ratio Lower Upper  
 63 100  
 98 5.4 2.8 8.4  
 100 3.1 1.8 5.5





#25

2-Butanone

Concen: 283.749 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Tot Ion: 43 Resp: 329747

Ion Ratio Lower Upper

43 100

72 21.6 16.2 24.4

Instrument :

MSVOA\_D

ClientSampleId :

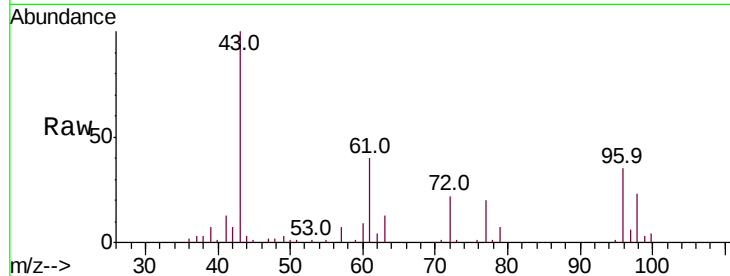
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

4/19/2019 6:24:22 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.07

120000

100000

80000

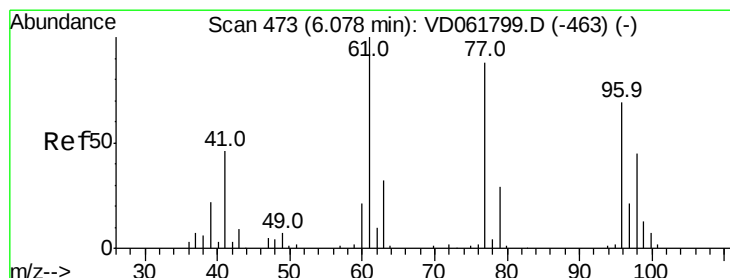
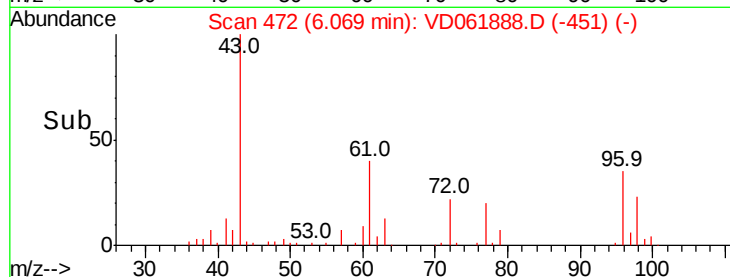
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 51.294 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061888.D

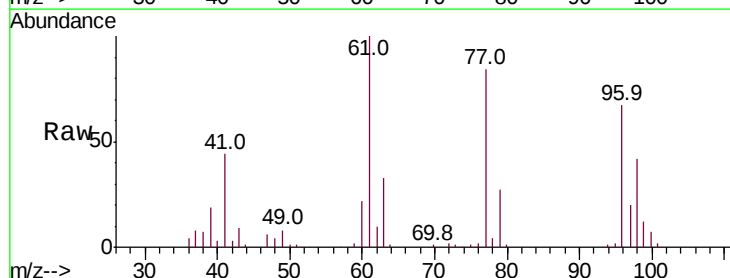
Acq: 18 Apr 2019 23:50

Tgt Ion: 77 Resp: 363246

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.03

100000

80000

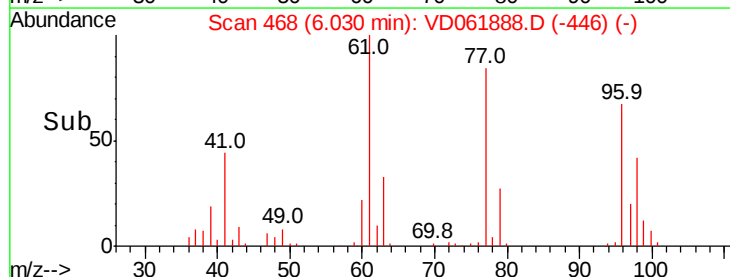
60000

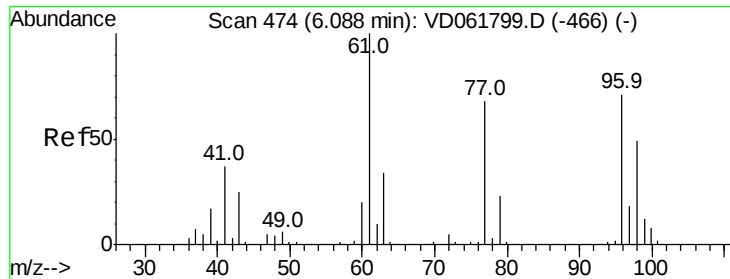
40000

20000

0

Time-->





#27

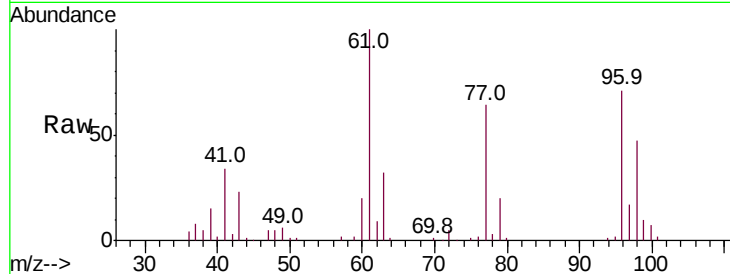
cis-1,2-Dichloroethene  
 Concen: 55.227 ug/l  
 RT: 6.04 min Scan# 469  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

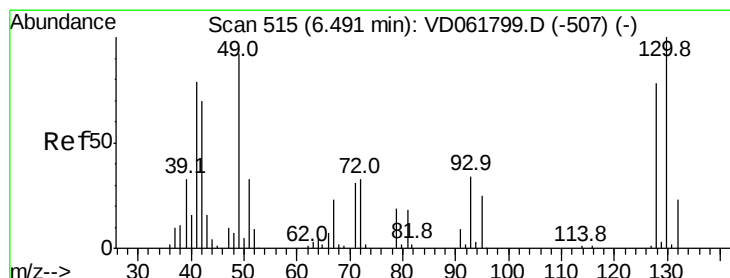
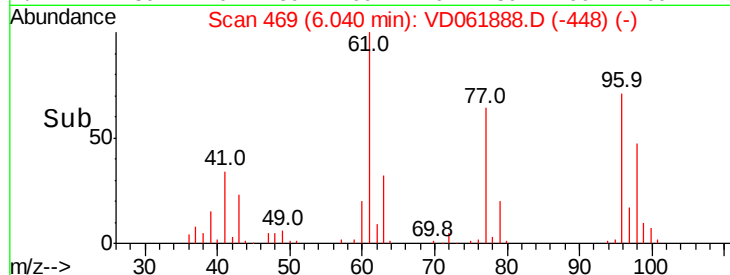
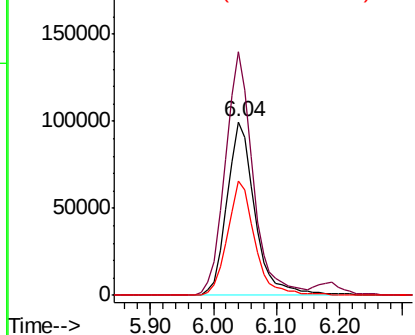
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 305151 |       |       |
| 61      | 140.3 | 0.0    | 279.8 |       |
| 98      | 65.9  | 0.0    | 136.0 |       |

Manual Integrations  
 APPROVED

MMDadoda  
 4/19/2019 6:24:22 PM



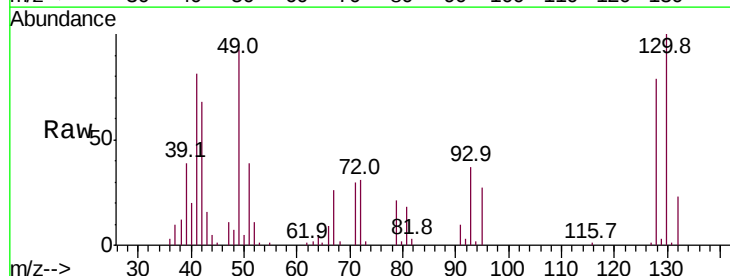
Abundance Ion 95.90 (95.60 to 96.60): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 97.85 (97.55 to 98.55): VDC



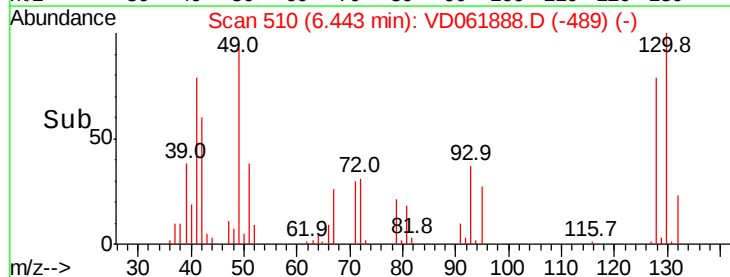
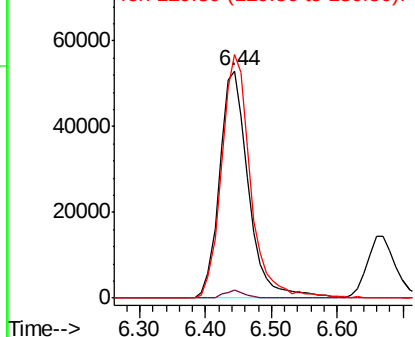
#28

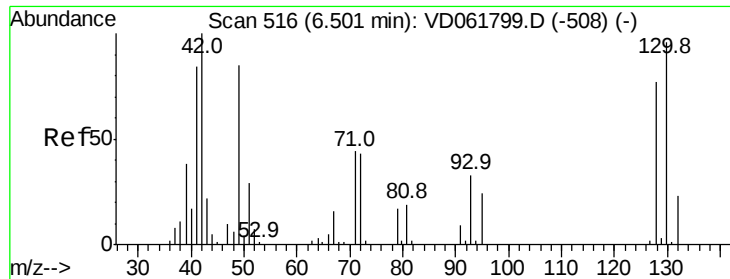
Bromochloromethane  
 Concen: 52.247 ug/l  
 RT: 6.44 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 162597 |       |       |
| 129     | 3.5   | 0.0    | 6.6   |       |
| 130     | 107.2 | 86.7   | 130.1 |       |



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





#29

Tetrahydrofuran

Concen: 274.947 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 42 Resp: 155642

Ion Ratio Lower Upper

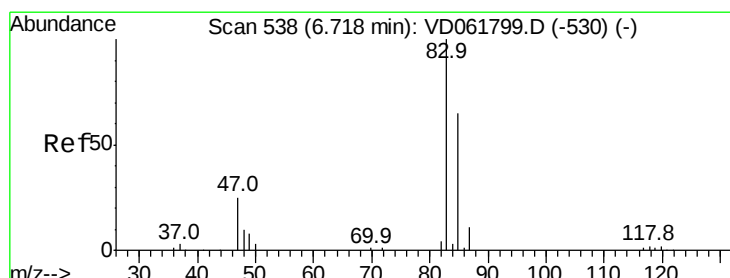
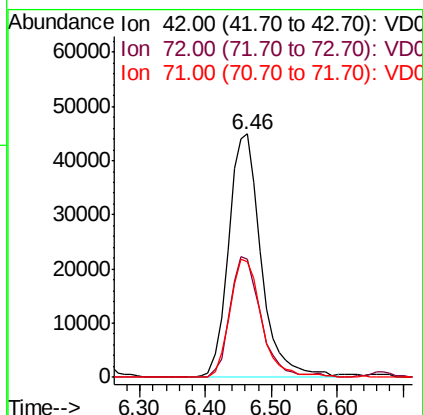
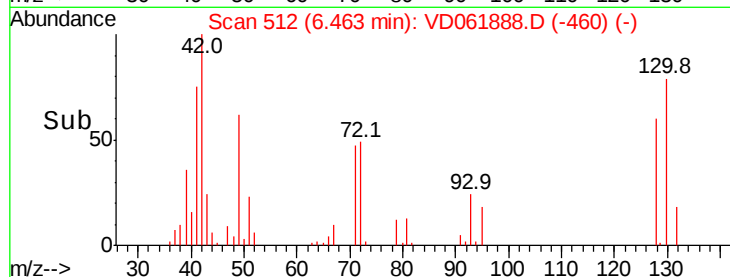
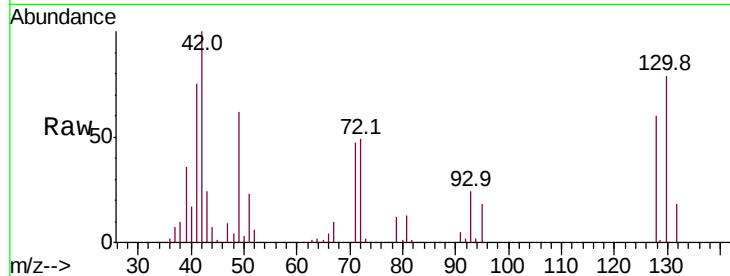
42 100

72 47.4 37.8 56.6

71 47.1 36.7 55.1

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 6:24:22 PM



#30

Chloroform

Concen: 58.560 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD061888.D

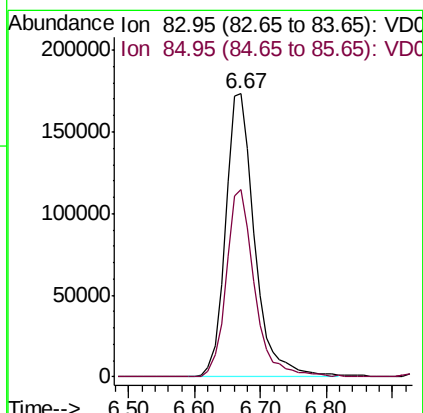
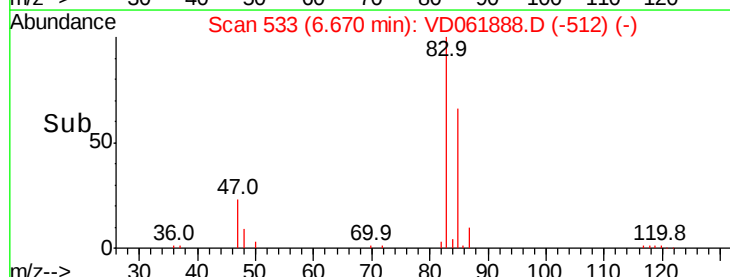
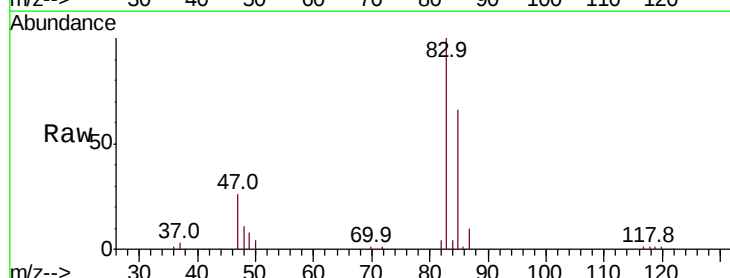
Acq: 18 Apr 2019 23:50

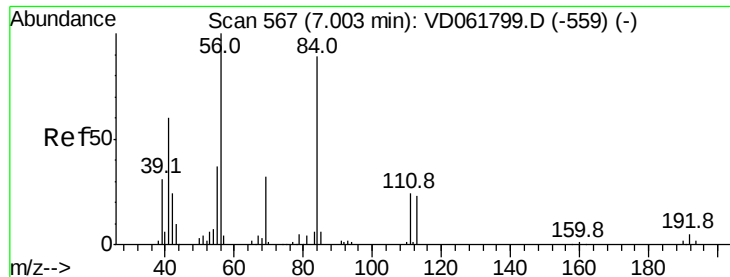
Tgt Ion: 83 Resp: 535147

Ion Ratio Lower Upper

83 100

85 66.1 51.7 77.5





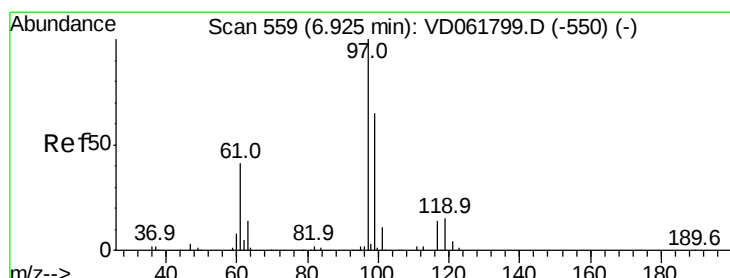
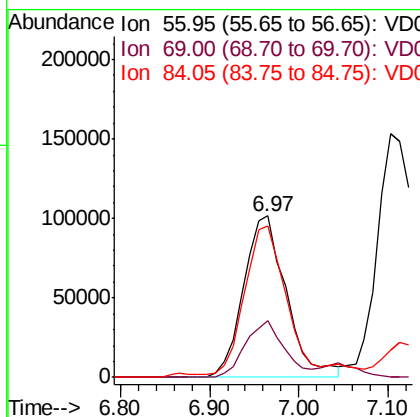
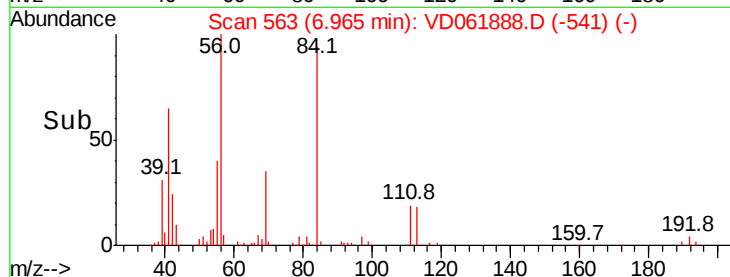
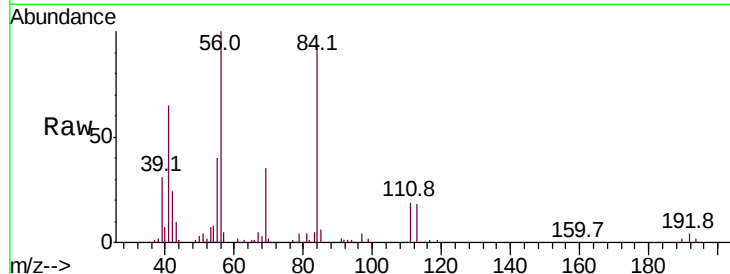
#31  
Cvclohexane  
Concen: 53.670 ug/l  
RT: 6.97 min Scan# 563  
Delta R.T. 0.01 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 35.3  | 25.8  | 38.6  |
| 84      | 94.4  | 72.2  | 108.4 |

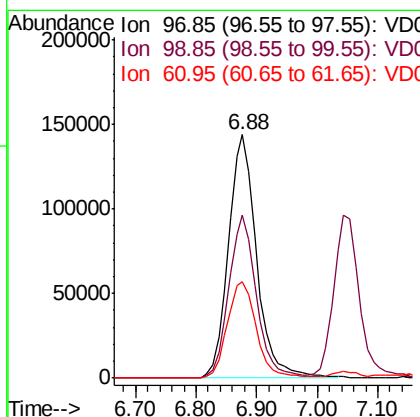
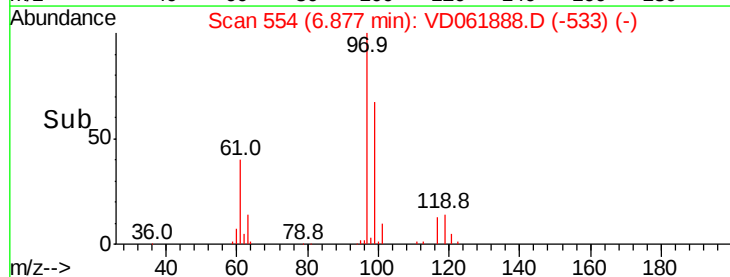
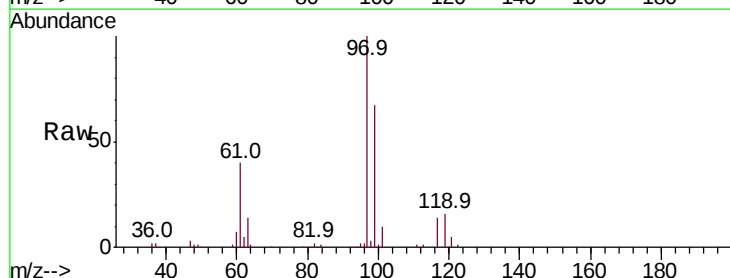
Manual Integrations  
APPROVED

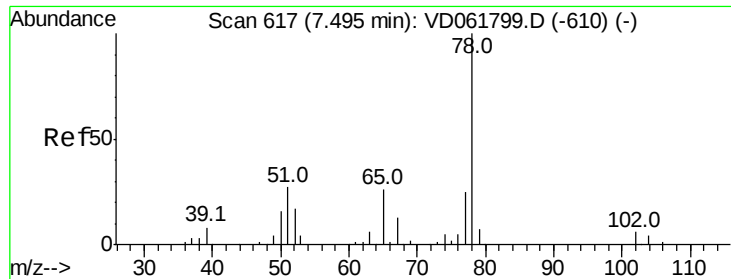
MMDadoda  
4/19/2019 6:24:22 PM



#32  
1,1,1-Trichloroethane  
Concen: 57.388 ug/l  
RT: 6.88 min Scan# 554  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 66.8  | 52.2  | 78.2  |
| 61      | 39.7  | 32.4  | 48.6  |





#33

1,2-Dichloroethane-d4

Concen: 57.388 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 227677

Ion Ratio Lower Upper

65 100

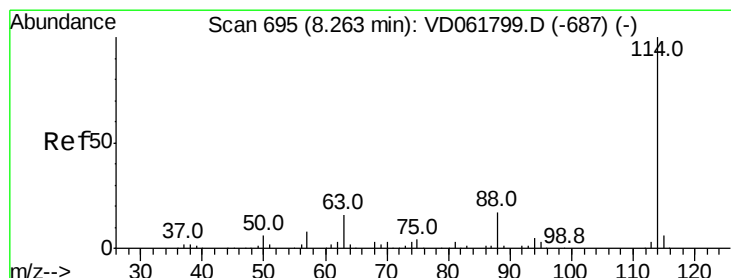
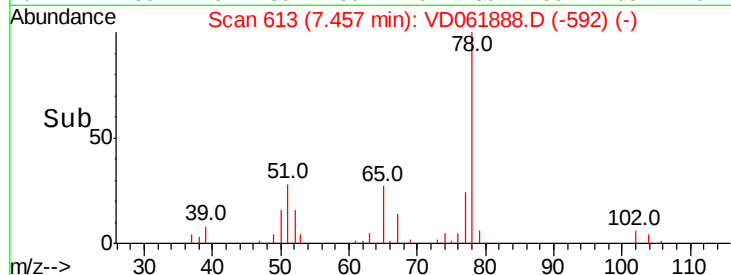
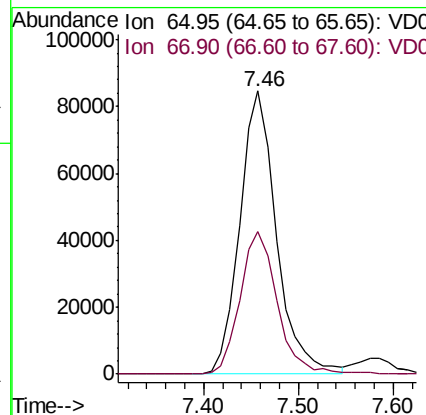
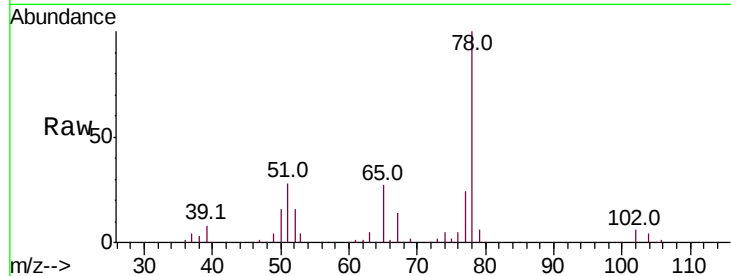
67 50.2 0.0 98.0

Manual Integrations

APPROVED

MMDadoda

4/19/2019 6:24:22 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

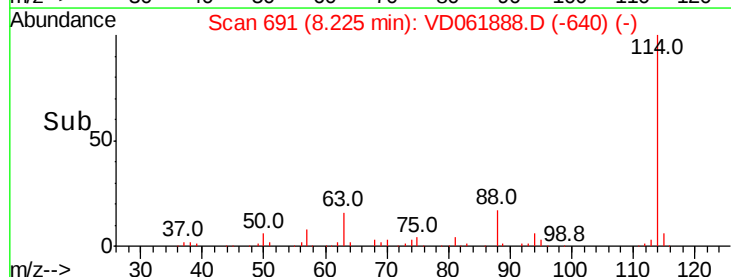
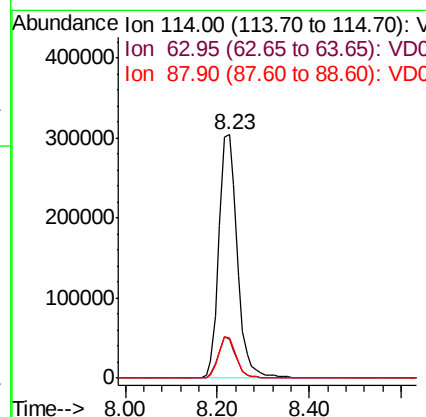
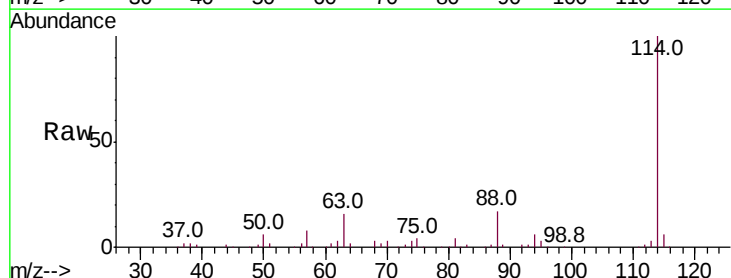
Tgt Ion: 114 Resp: 833041

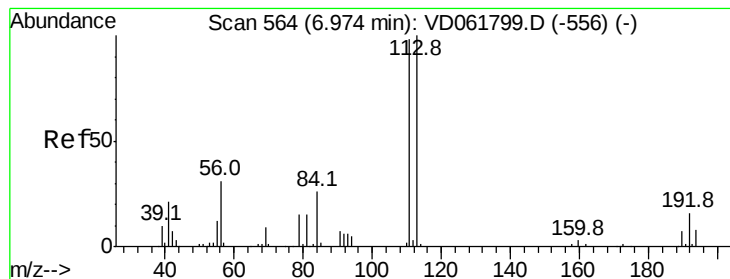
Ion Ratio Lower Upper

114 100

63 16.0 0.0 32.4

88 16.5 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 341655

Ion Ratio Lower Upper

113 100

111 104.5 78.5 117.7

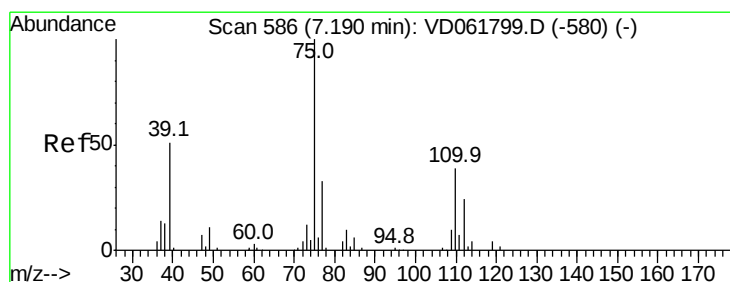
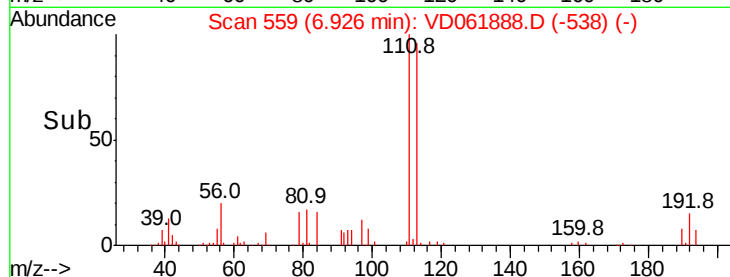
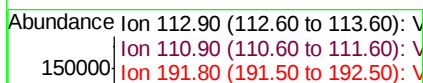
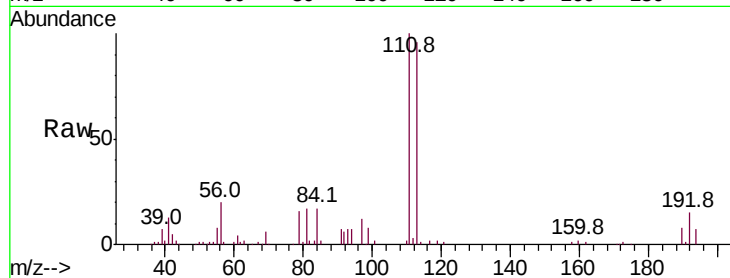
192 15.6 13.0 19.4

Manual Integrations

APPROVED

MMDadoda

4/19/2019 6:24:22 PM



#36

1,1-Dichloropropene

Concen: 54.848 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

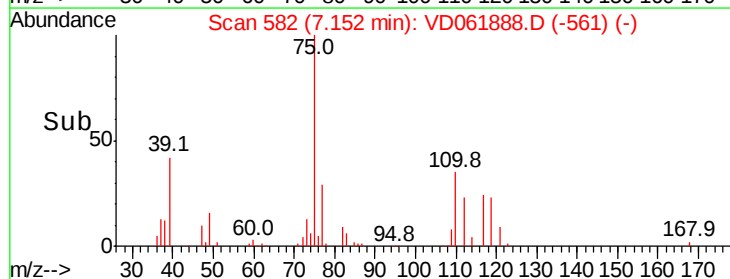
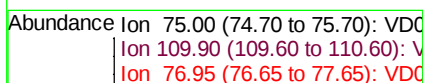
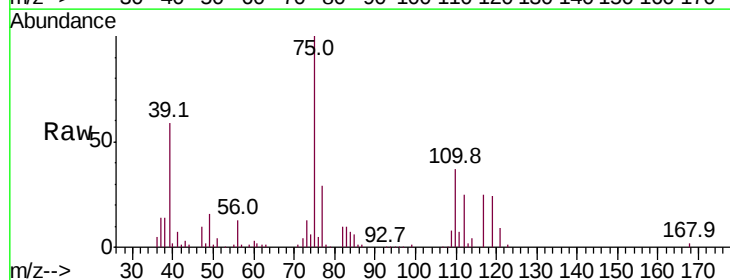
Tgt Ion: 75 Resp: 373365

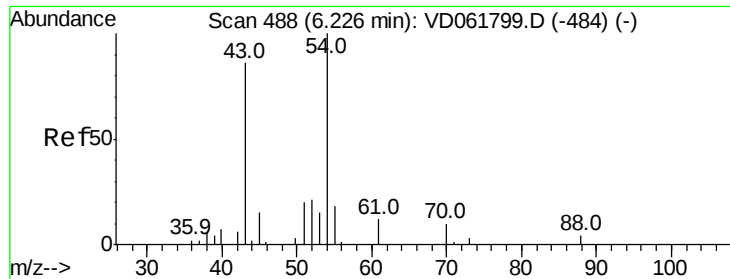
Ion Ratio Lower Upper

75 100

110 36.6 19.1 57.1

77 29.4 25.6 38.4





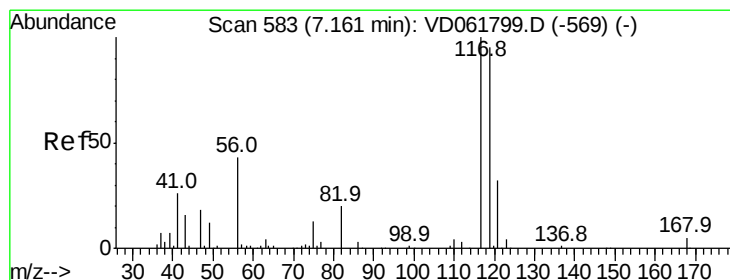
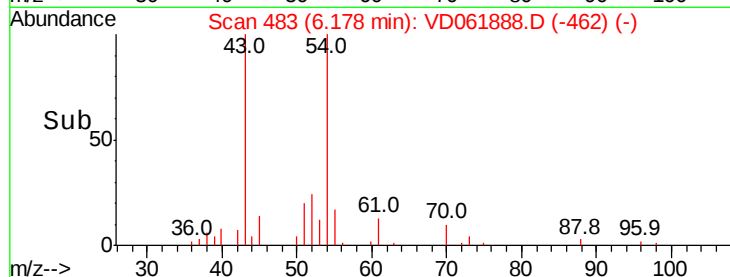
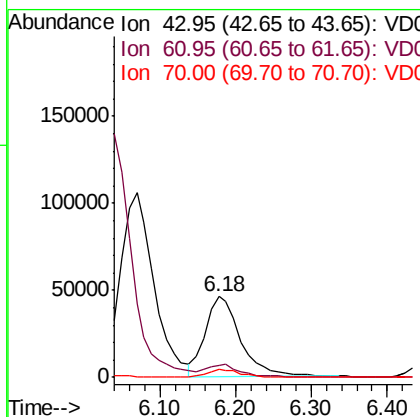
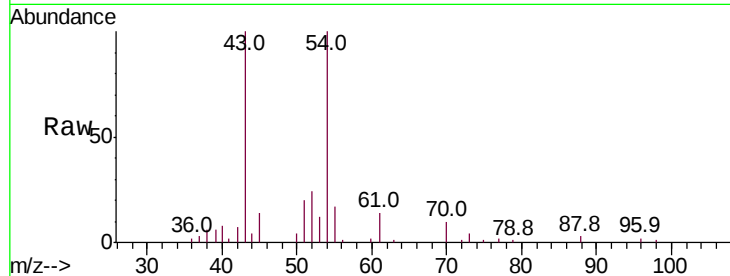
#37  
Ethyl Acetate  
Concen: 50.790 ug/l  
RT: 6.18 min Scan# 483  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.2  | 14.7  | 22.1# |
| 70      | 9.7   | 7.8   | 11.6  |

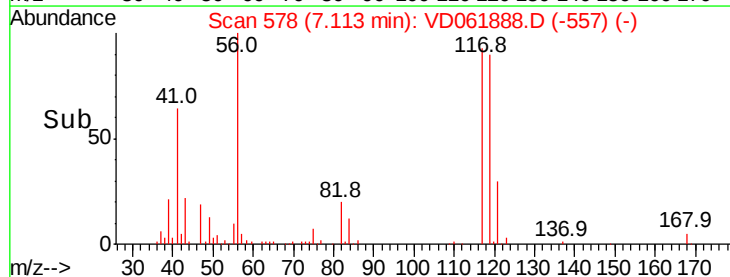
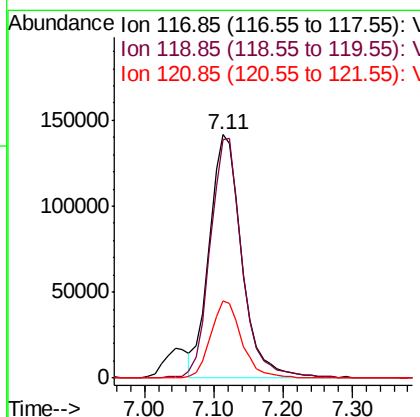
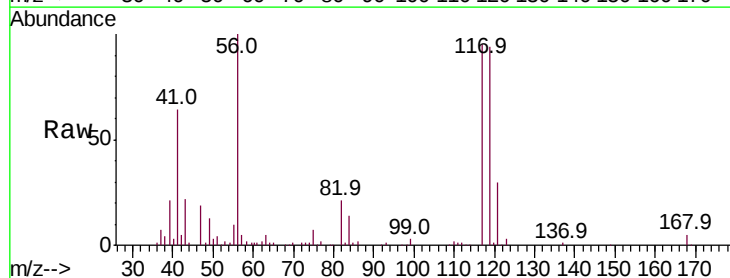
Manual Integrations  
APPROVED

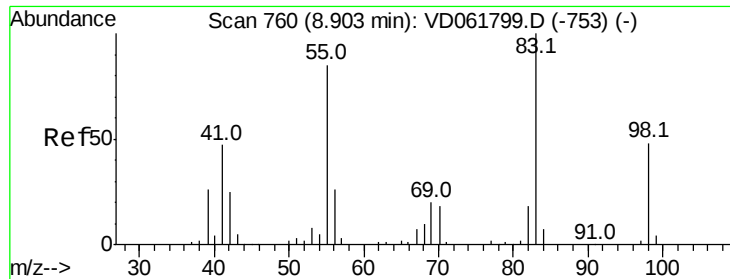
MMDadoda  
4/19/2019 6:24:22 PM



#38  
Carbon Tetrachloride  
Concen: 54.243 ug/l m  
RT: 7.11 min Scan# 578  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 98.2  | 75.8  | 113.8 |
| 121     | 31.9  | 25.9  | 38.9  |





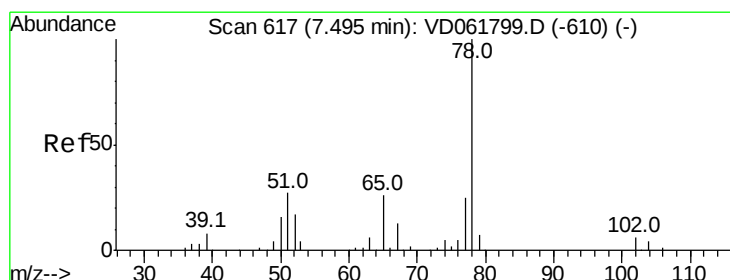
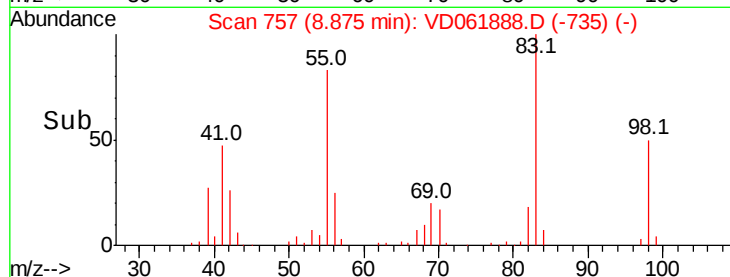
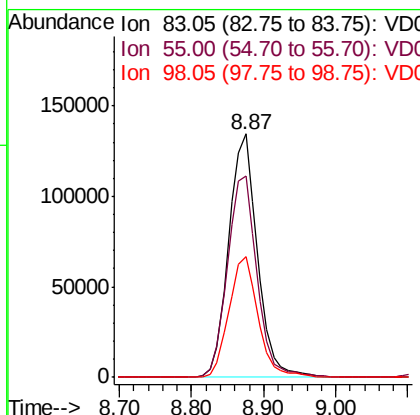
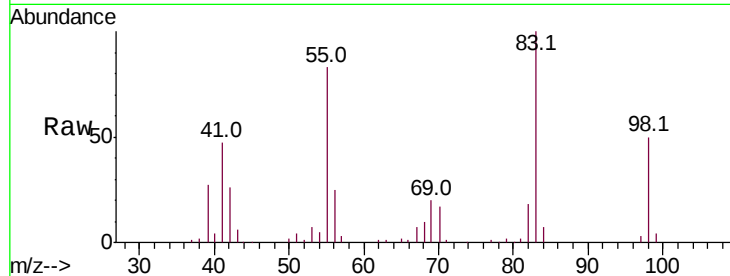
#39  
Methylcyclohexane  
Concen: 52.867 ug/l  
RT: 8.87 min Scan# 757  
Delta R.T. 0.01 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 82.5  | 68.2  | 102.4 |
| 98      | 49.6  | 38.2  | 57.4  |

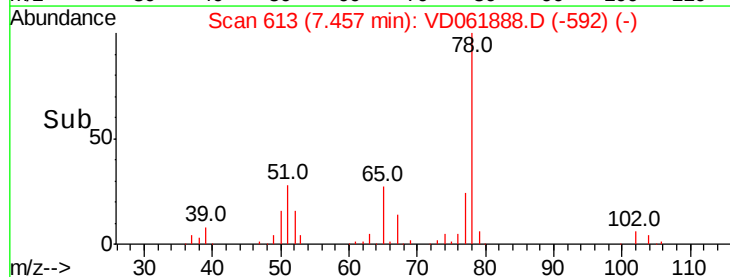
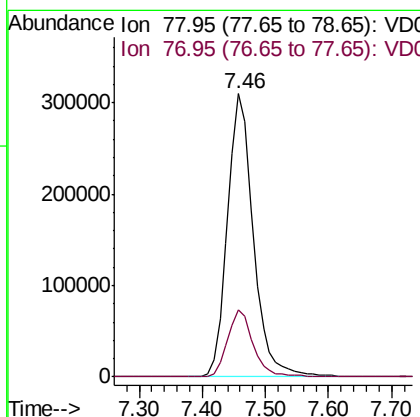
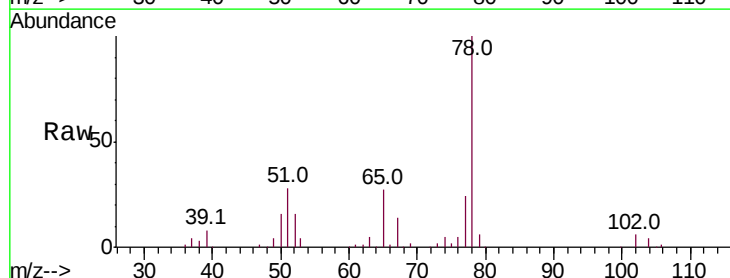
Manual Integrations  
APPROVED

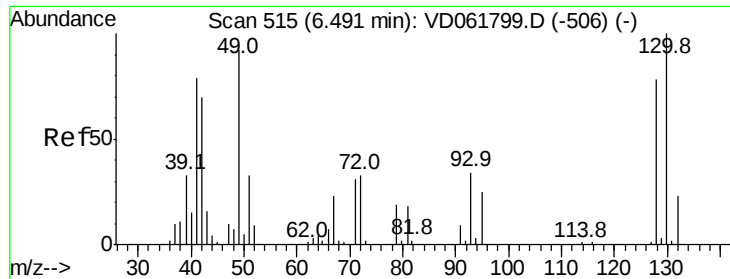
MMDadoda  
4/19/2019 6:24:22 PM



#40  
Benzene  
Concen: 53.687 ug/l  
RT: 7.46 min Scan# 613  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.7  | 29.5  |





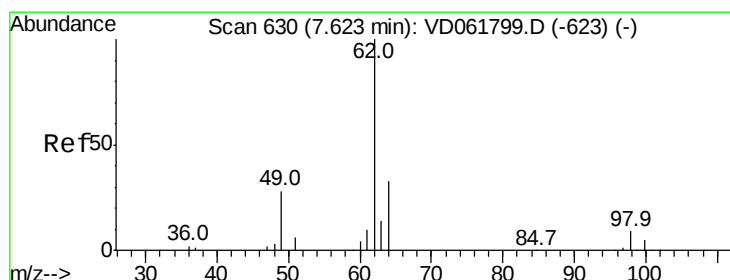
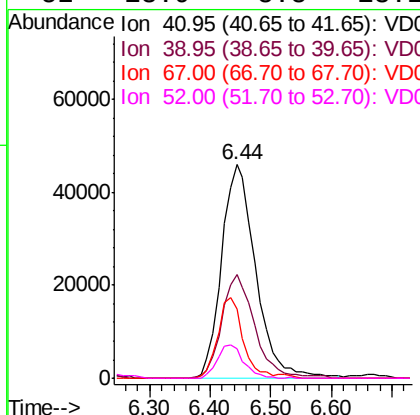
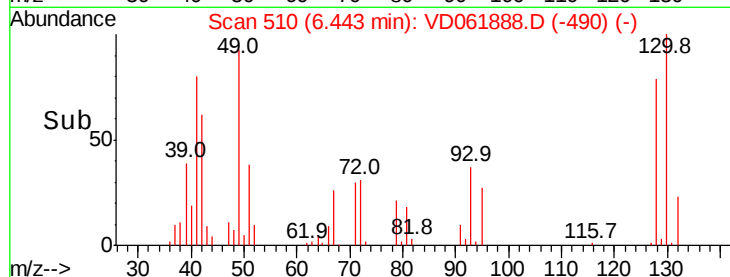
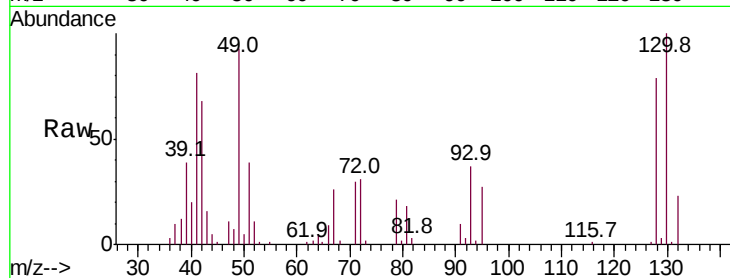
#41  
Methacrylonitrile  
Concen: 52.019 ug/l  
RT: 6.44 min Scan# 510  
Delta R.T. -0.01 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 48.7  | 34.1  | 51.1  |
| 67      | 32.4  | 23.8  | 35.6  |
| 52      | 13.9  | 8.8   | 13.2  |

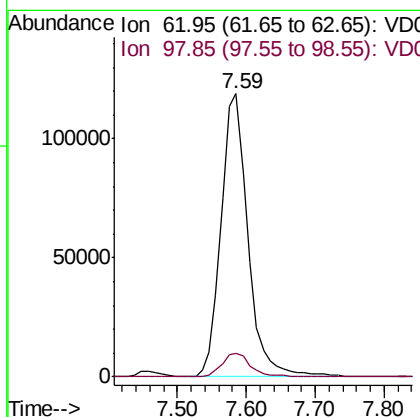
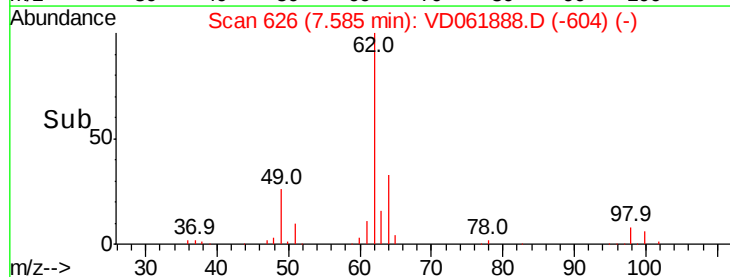
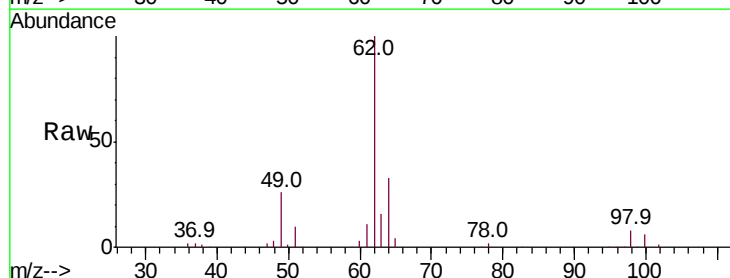
Manual Integrations  
APPROVED

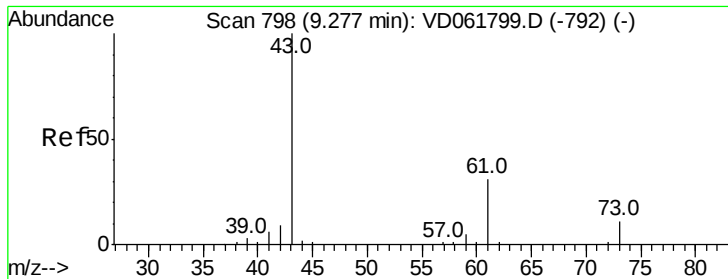
MMDadoda  
4/19/2019 6:24:22 PM



#42  
1,2-Dichloroethane  
Concen: 56.658 ug/l  
RT: 7.59 min Scan# 626  
Delta R.T. 0.01 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.5   | 0.0   | 17.8  |





#43

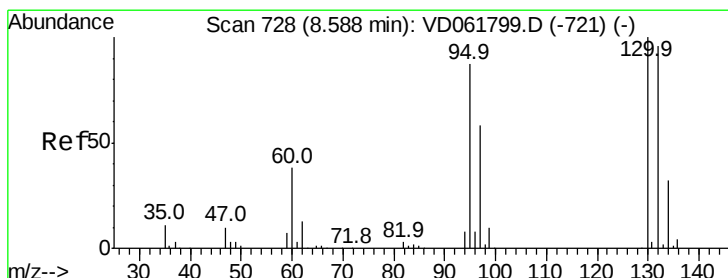
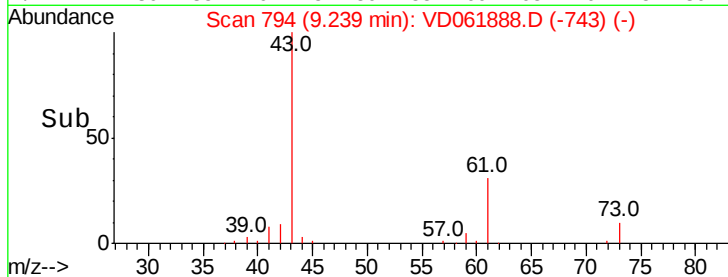
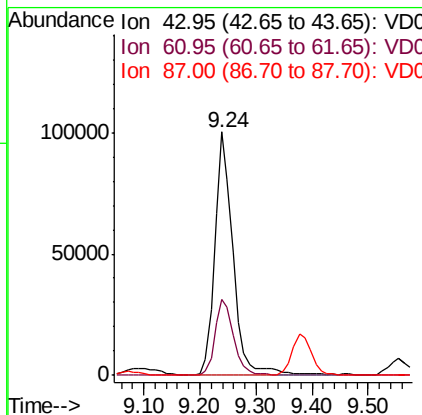
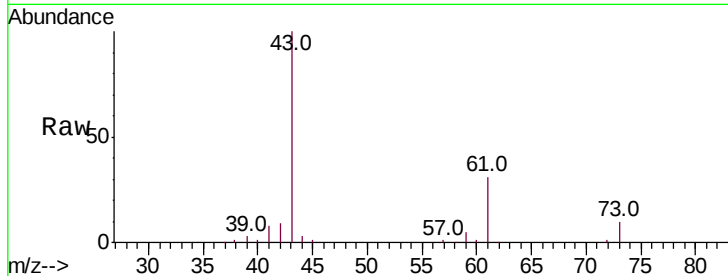
Isopropyl Acetate  
 Concen: 56.257 ug/l  
 RT: 9.24 min Scan# 794  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 31.1  | 25.1  | 37.7  |
| 87      | 0.0   | 0.0   | 0.0   |

Manual Integrations  
 APPROVED

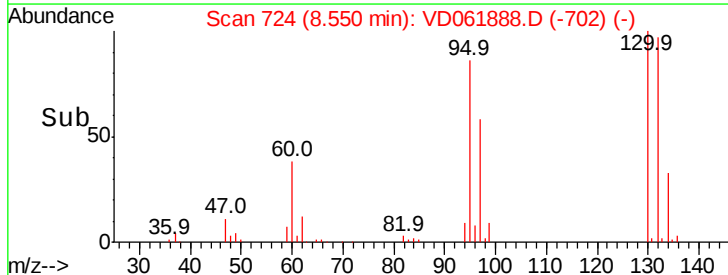
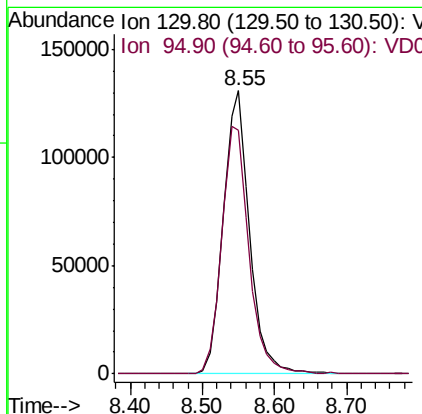
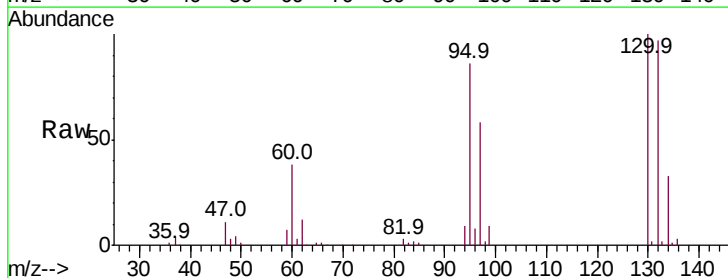
MMDadoda  
 4/19/2019 6:24:22 PM

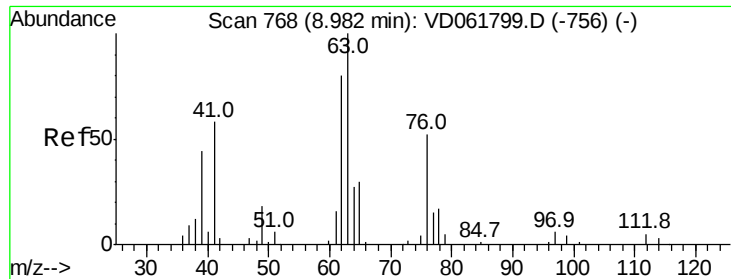


#44

Trichloroethene  
 Concen: 52.251 ug/l  
 RT: 8.55 min Scan# 724  
 Delta R.T. 0.01 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 86.1  | 0.0   | 174.0 |





#45

1,2-Dichloropropane

Concen: 53.413 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 227373

Ion Ratio Lower Upper

63 100

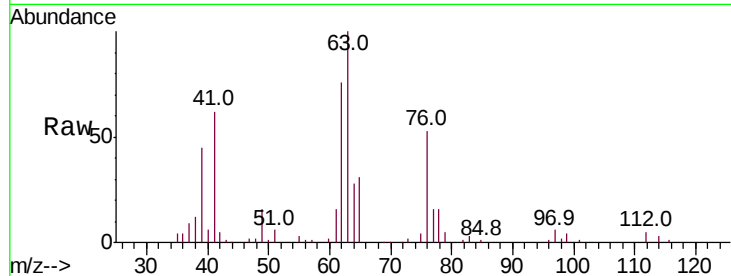
65 30.9 23.8 35.6

Manual Integrations

APPROVED

MMDadoda

4/19/2019 6:24:22 PM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

100000

80000

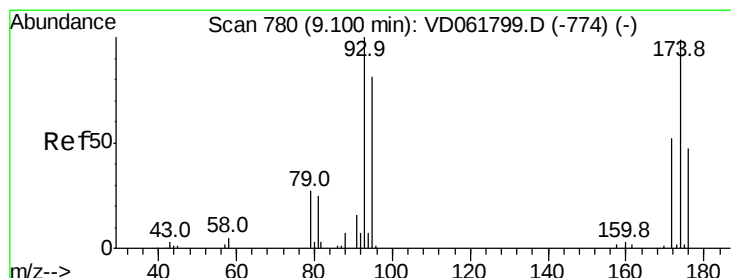
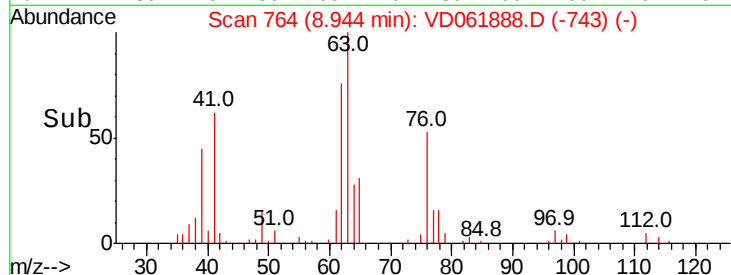
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 55.387 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

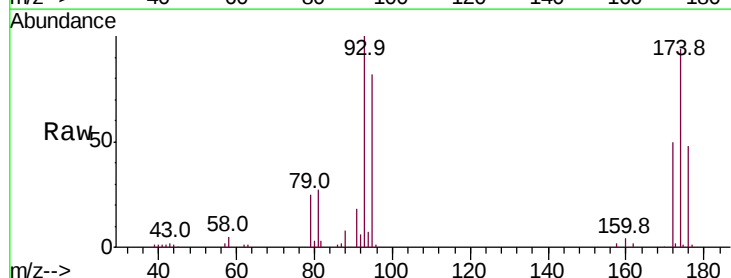
Tgt Ion: 93 Resp: 168002

Ion Ratio Lower Upper

93 100

95 82.0 64.8 97.2

174 94.5 79.3 118.9



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

100000

80000

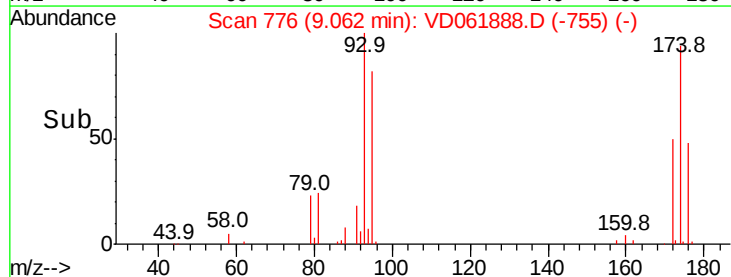
60000

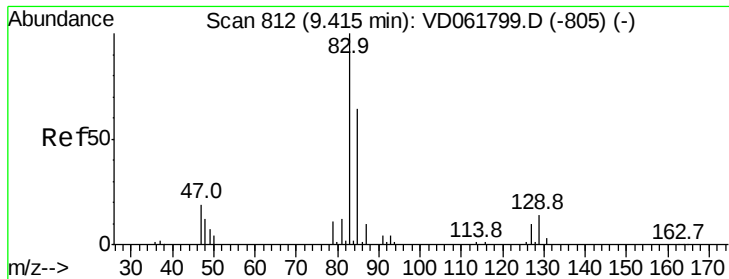
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 55.843 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

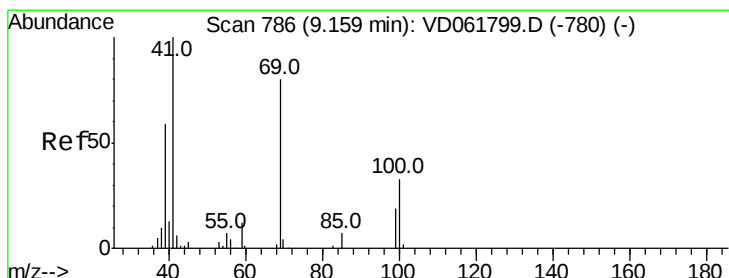
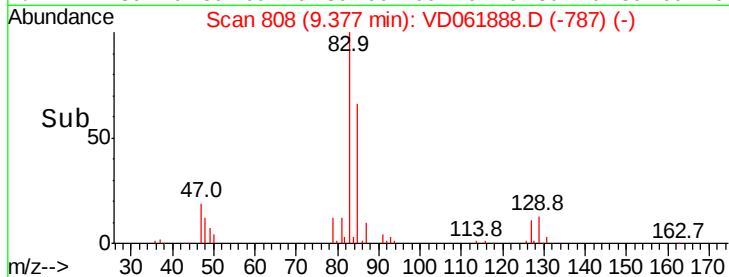
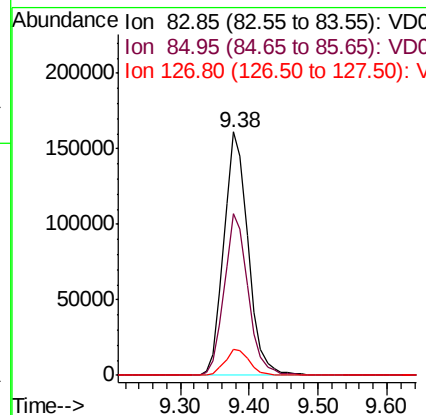
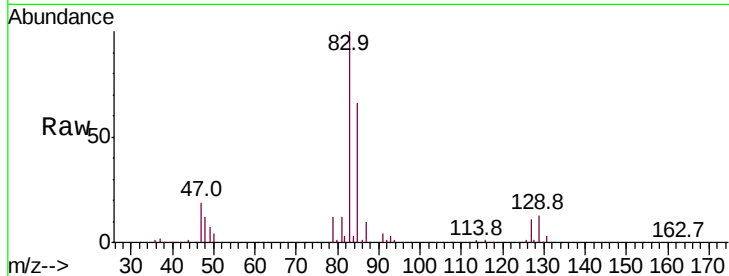
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 390772 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 66.5  | 50.9  | 76.3   |
| 127       | 10.9  | 8.1   | 12.1   |

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 6:24:22 PM



#48

Methyl methacrylate

Concen: 55.266 ug/l

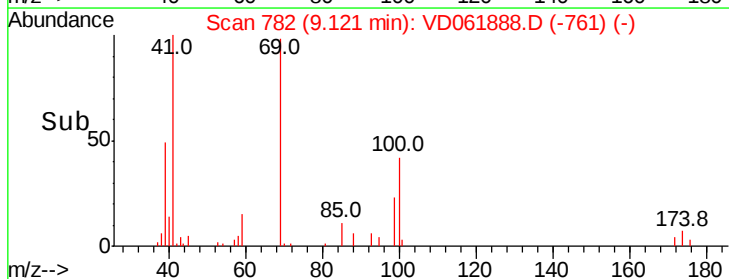
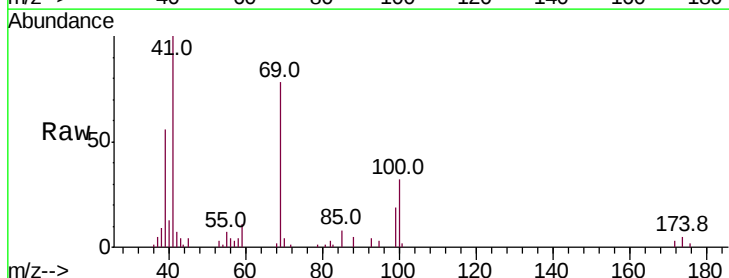
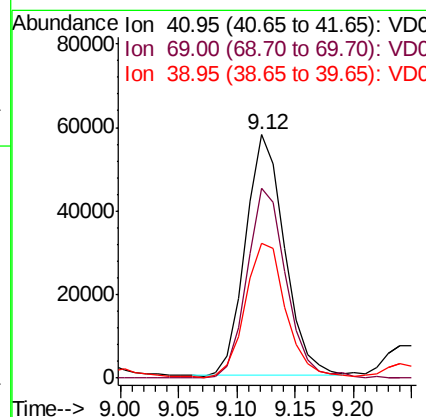
RT: 9.12 min Scan# 782

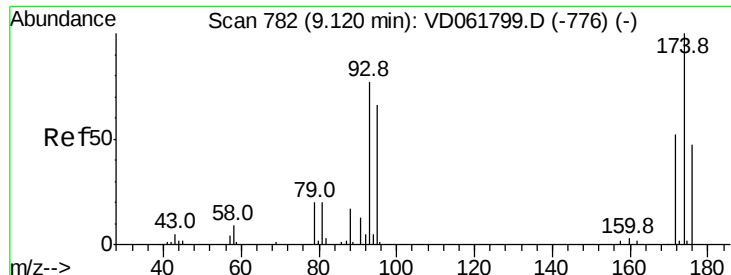
Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 133191 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 77.8  | 64.2  | 96.2   |
| 39        | 55.5  | 46.8  | 70.2   |





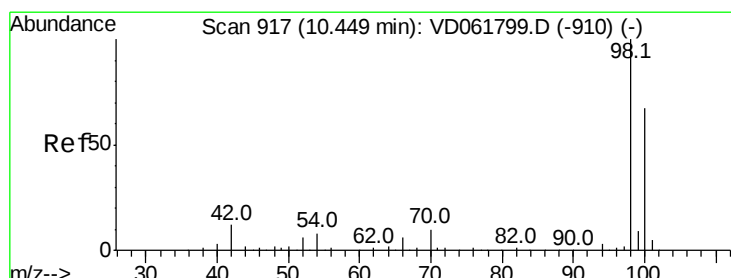
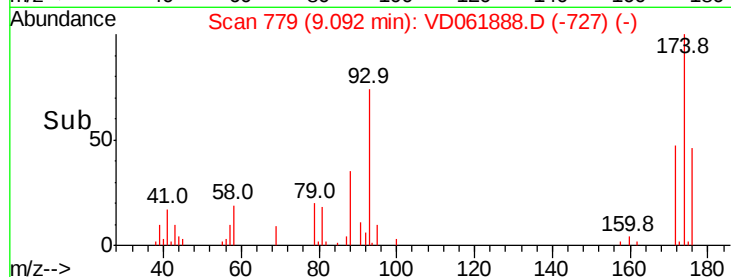
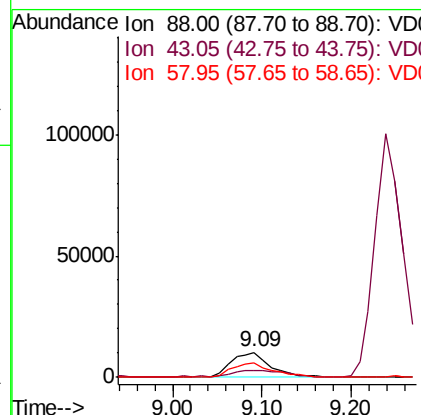
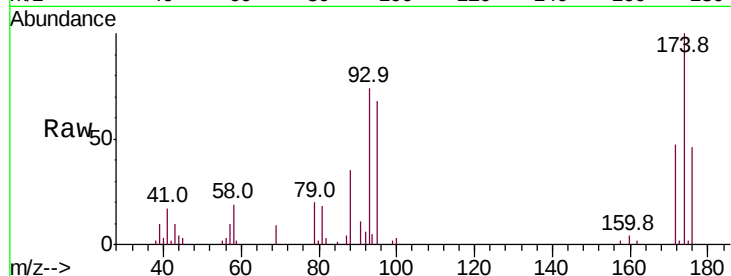
#49  
 1,4-Dioxane  
 Concen: 1189.452 ug/l  
 RT: 9.09 min Scan# 779  
 Delta R.T. 0.01 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 88      | 100   |      |       |       |
| 43      | 29.1  | 23.4 | 35.0  |       |
| 58      | 54.9  | 44.0 | 66.0  |       |

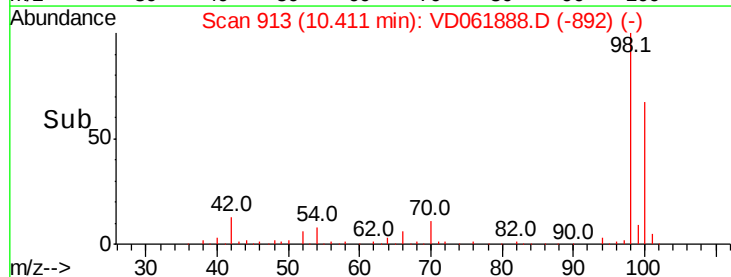
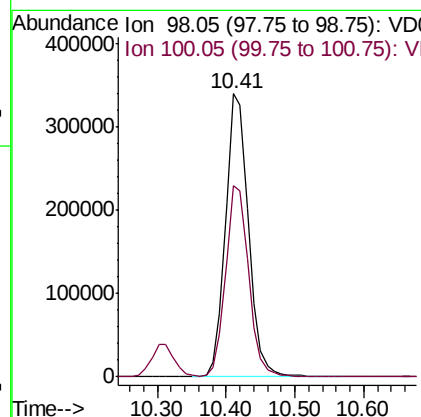
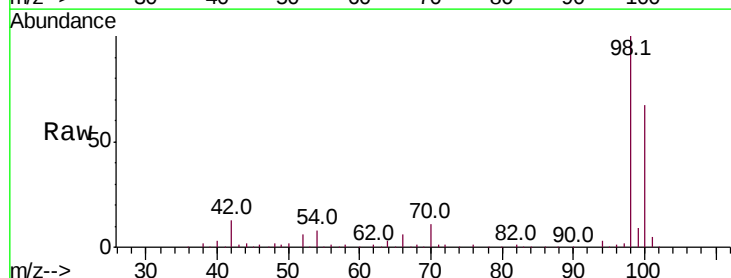
Manual Integrations  
 APPROVED

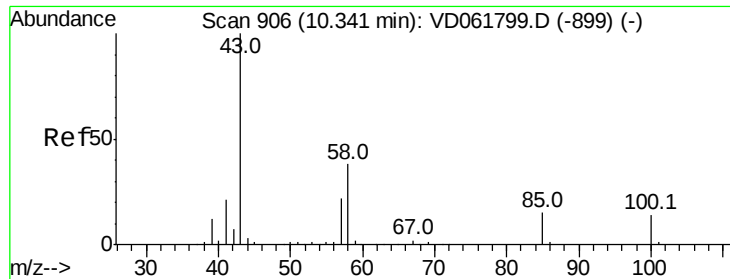
MMDadoda  
 4/19/2019 6:24:22 PM



#50  
 Toluene-d8  
 Concen: 1189.452 ug/l  
 RT: 10.41 min Scan# 913  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 98      | 100   |      |       |       |
| 100     | 67.4  | 53.8 | 80.8  |       |





#51

4-Methyl-2-Pentanone

Concen: 288.297 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 722836

Ion Ratio Lower Upper

43 100

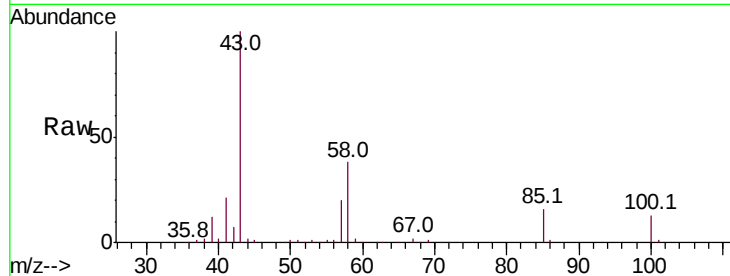
58 37.9 30.4 45.6

Manual Integrations

APPROVED

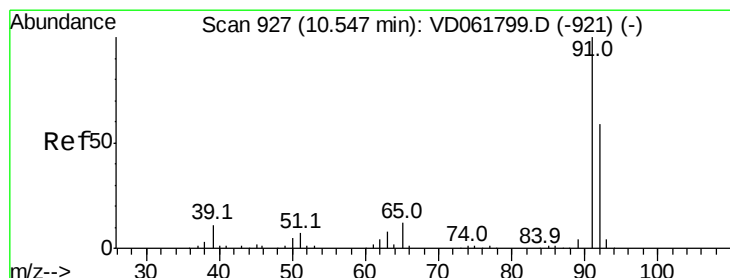
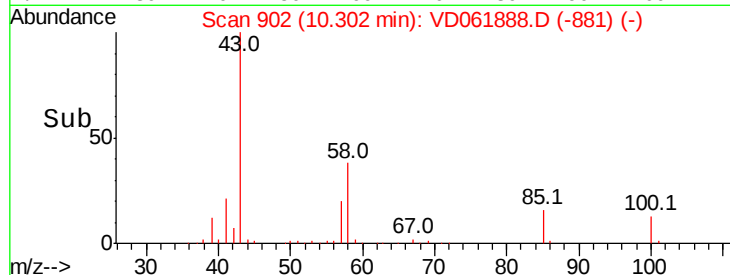
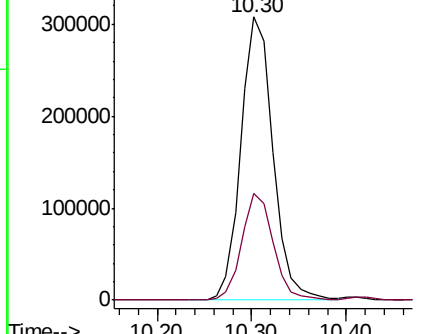
MMDadoda

4/19/2019 6:24:22 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.455 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD061888.D

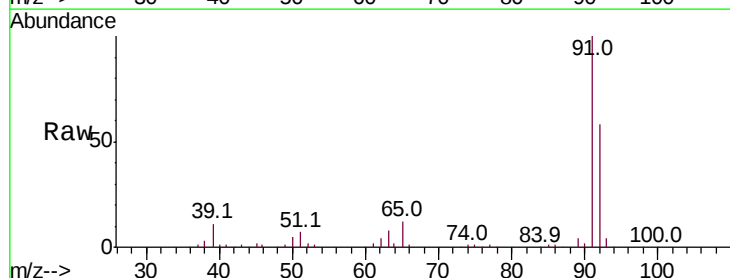
Acq: 18 Apr 2019 23:50

Tgt Ion: 92 Resp: 517935

Ion Ratio Lower Upper

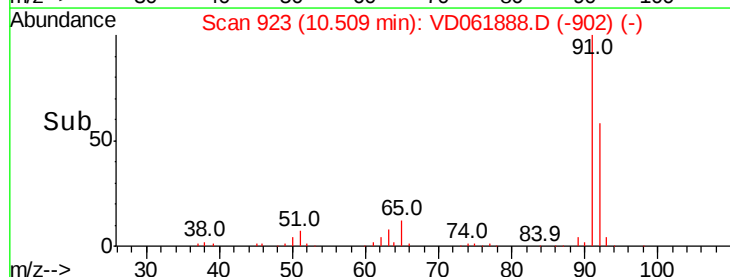
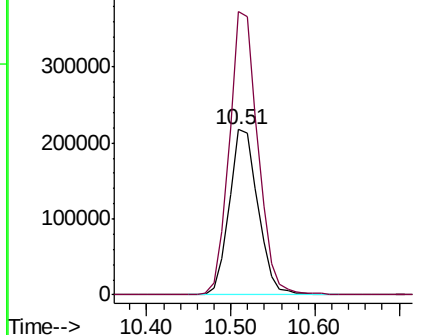
92 100

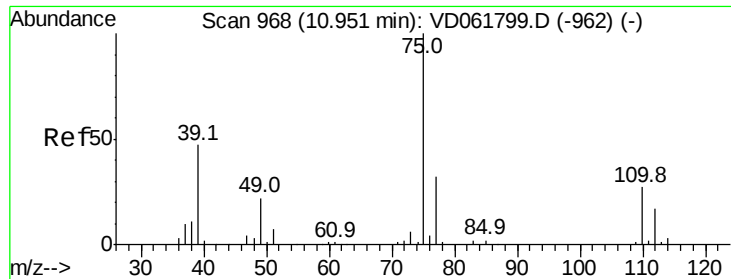
91 171.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





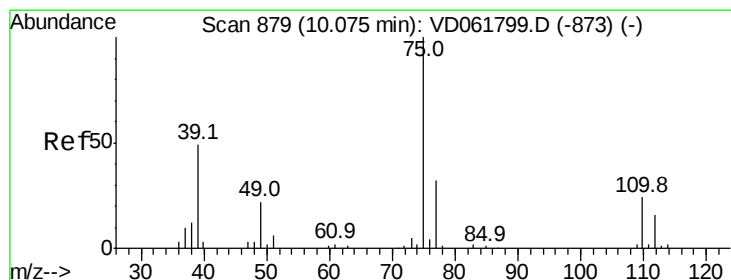
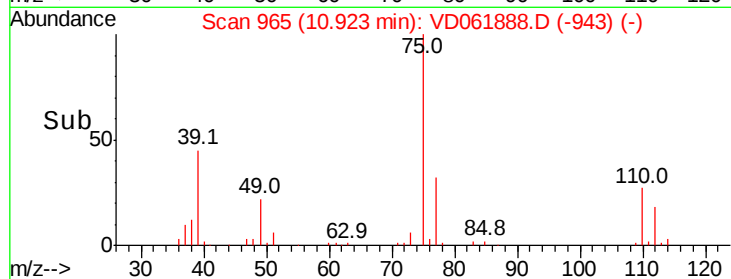
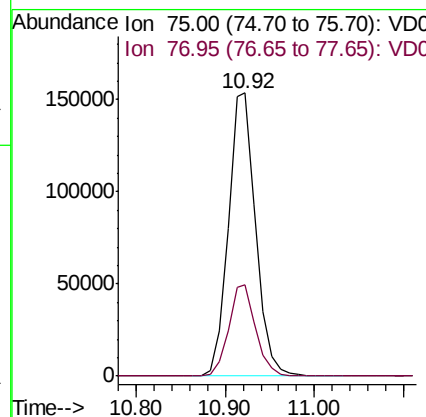
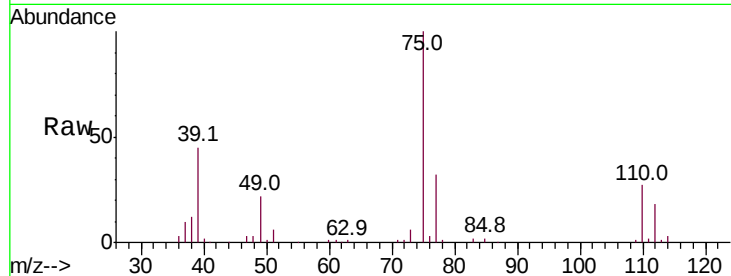
#53  
 t-1,3-Dichloropropene  
 Concen: 52.671 ug/l  
 RT: 10.92 min Scan# 965  
 Delta R.T. 0.01 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 332113 |       |       |
| 77      | 32.2  | 25.8   | 38.8  |       |

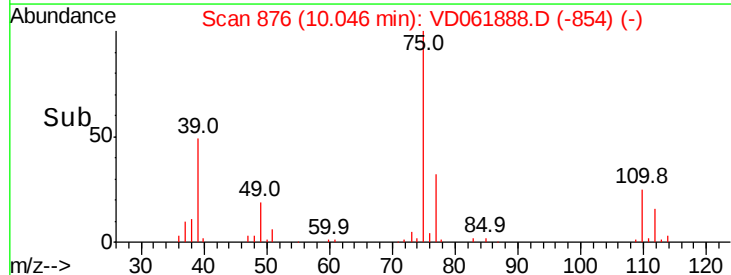
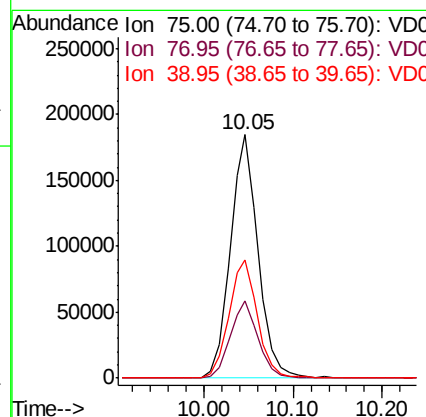
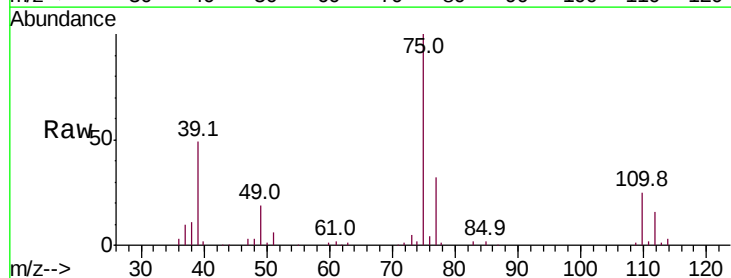
Manual Integrations  
 APPROVED

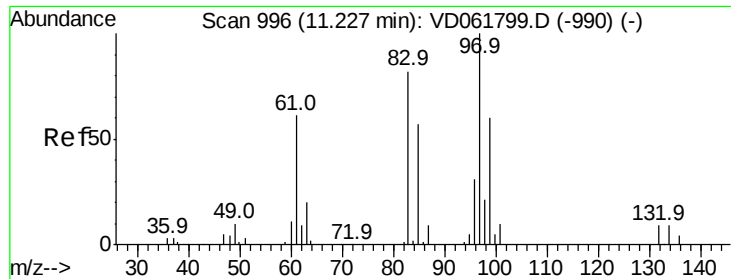
MMDadoda  
 4/19/2019 6:24:22 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 54.212 ug/l  
 RT: 10.05 min Scan# 876  
 Delta R.T. 0.01 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 401248 |       |       |
| 77      | 31.8  | 25.5   | 38.3  |       |
| 39      | 48.8  | 39.4   | 59.2  |       |





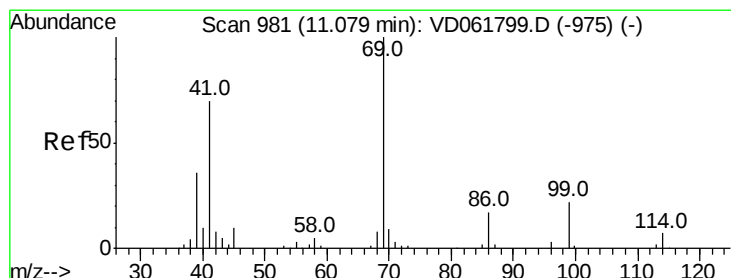
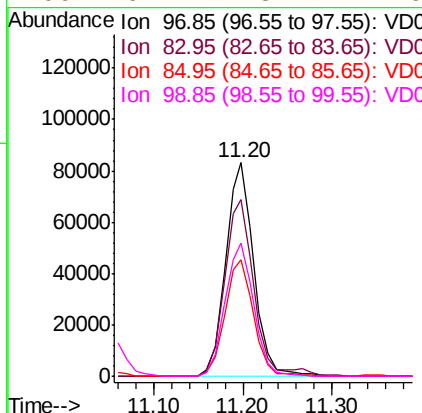
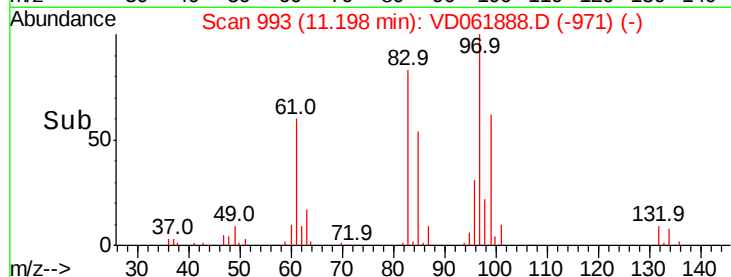
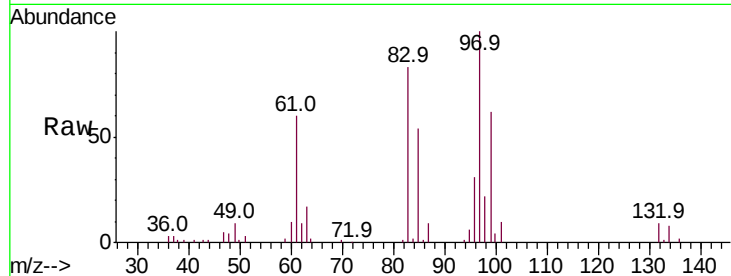
#55  
 1,1,2-Trichloroethane  
 Concen: 52.007 ug/l  
 RT: 11.20 min Scan# 993  
 Delta R.T. 0.01 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | 97    | Resp  | 183531 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 97      | 100   |       |        |
| 83      | 82.8  | 65.7  | 98.5   |
| 85      | 54.5  | 45.6  | 68.4   |
| 99      | 62.1  | 48.4  | 72.6   |

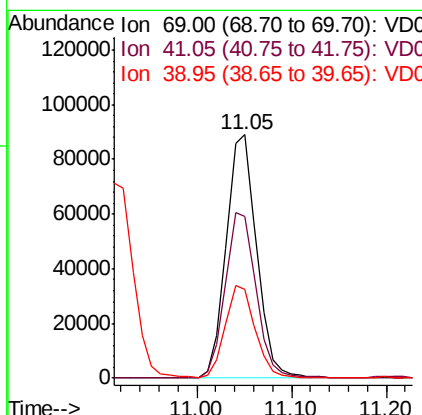
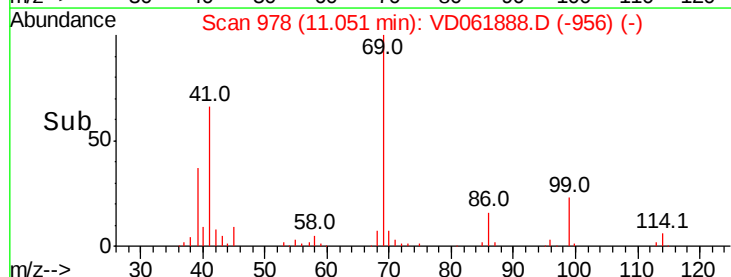
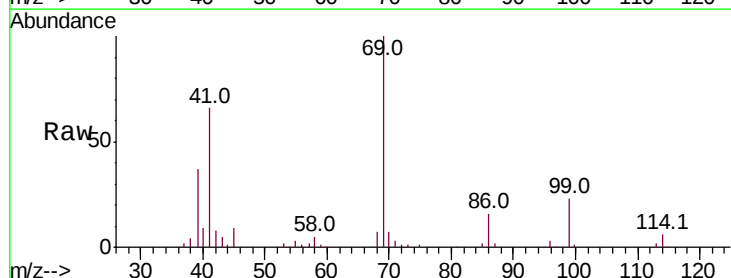
Manual Integrations  
 APPROVED

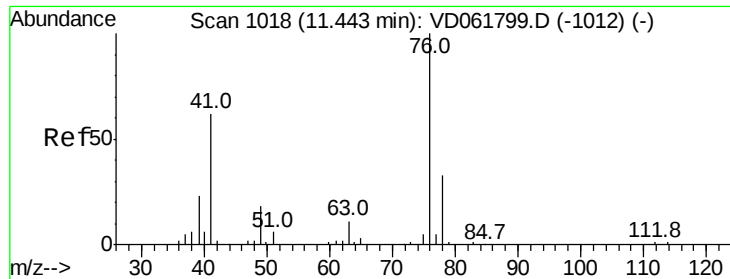
MMDadoda  
 4/19/2019 6:24:22 PM



#56  
 Ethyl methacrylate  
 Concen: 51.025 ug/l  
 RT: 11.05 min Scan# 978  
 Delta R.T. 0.01 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

| Tgt Ion | 69    | Resp  | 197631 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 69      | 100   |       |        |
| 41      | 66.3  | 56.3  | 84.5   |
| 39      | 36.7  | 29.4  | 44.2   |





#57

1,3-Dichloropropane

Concen: 51.723 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 274413

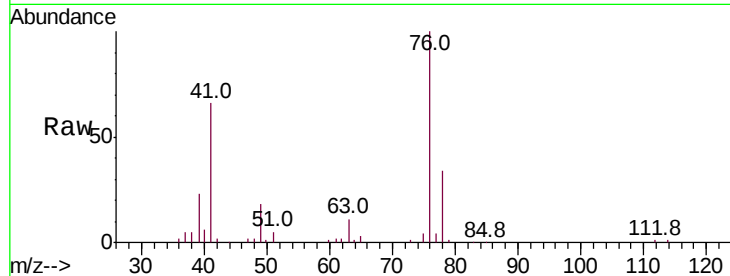
Ion Ratio Lower Upper

76 100

78 33.7 26.2 39.2

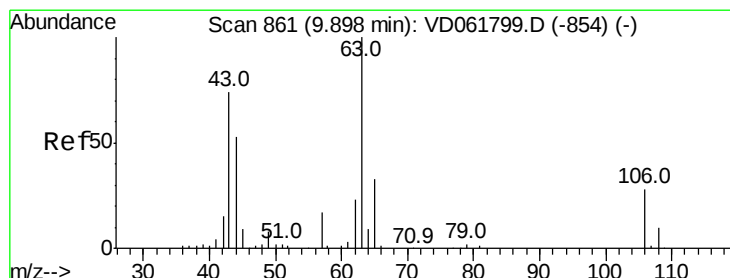
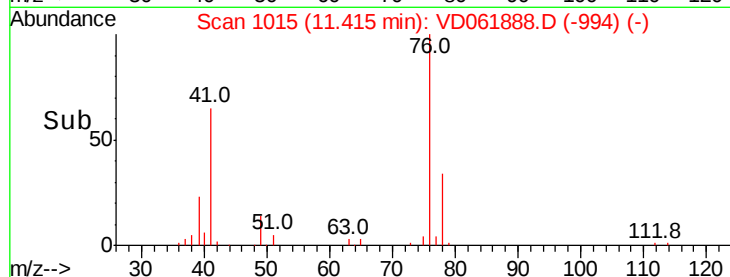
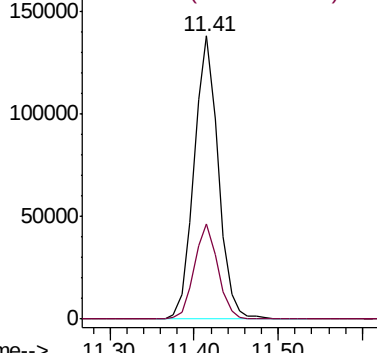
Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 6:24:22 PM



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 276.286 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD061888.D

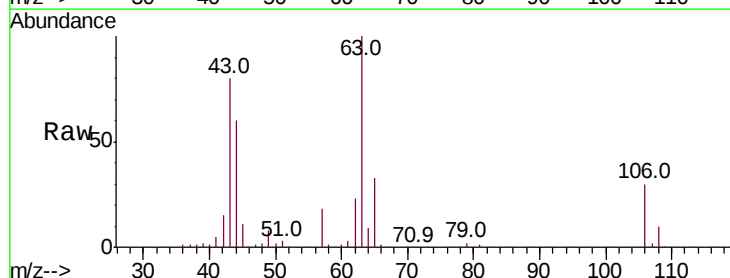
Acq: 18 Apr 2019 23:50

Tgt Ion: 63 Resp: 508993

Ion Ratio Lower Upper

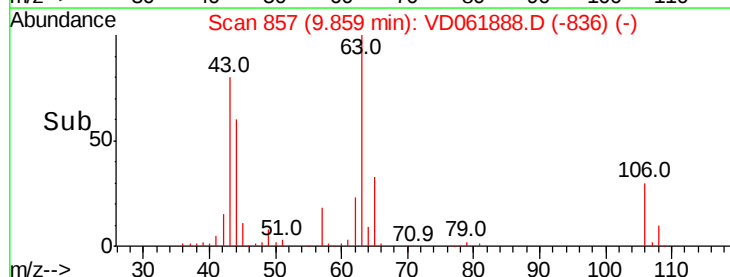
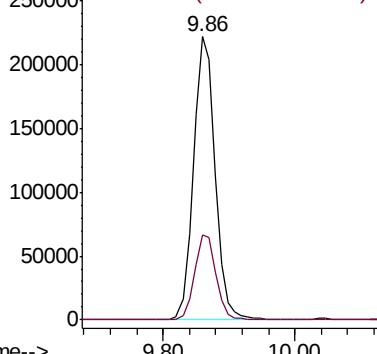
63 100

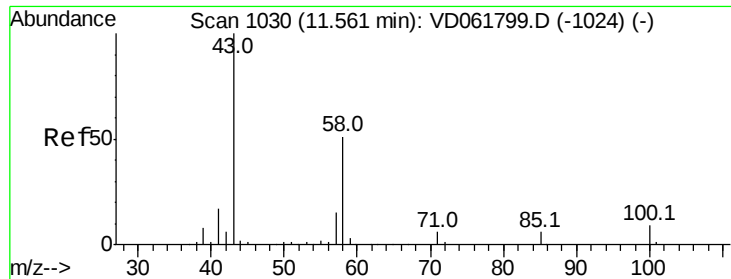
106 30.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





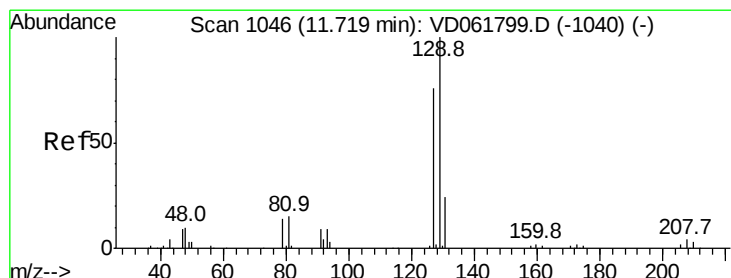
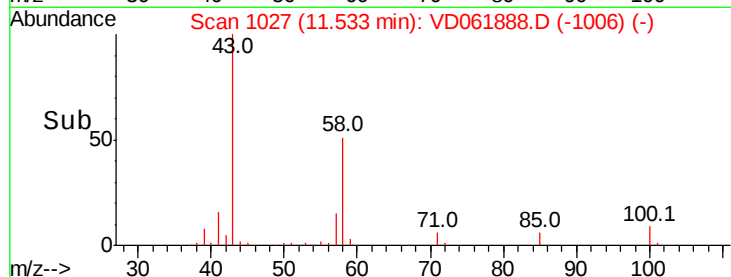
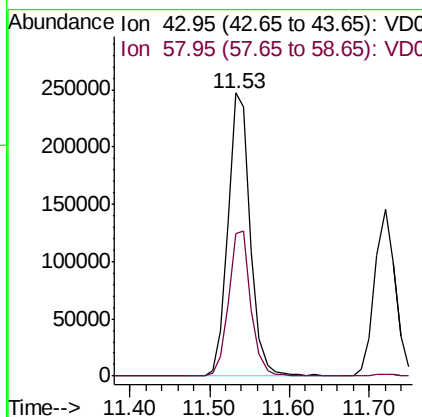
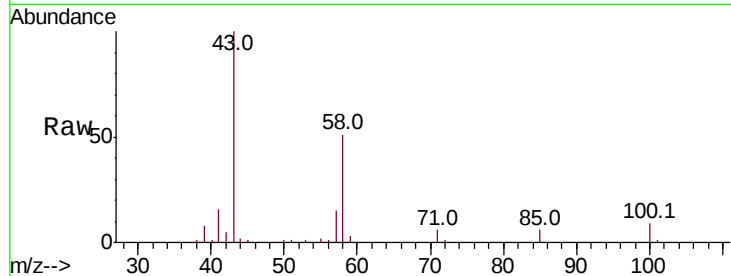
#59  
2-Hexanone  
Concen: 261.910 ug/l  
RT: 11.53 min Scan# 1027  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 487730  
Ion Ratio Lower Upper  
43 100  
58 50.6 25.4 76.4

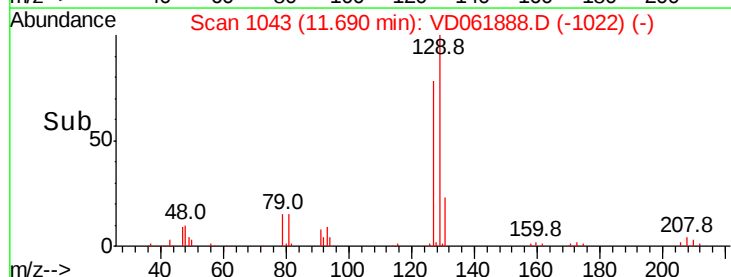
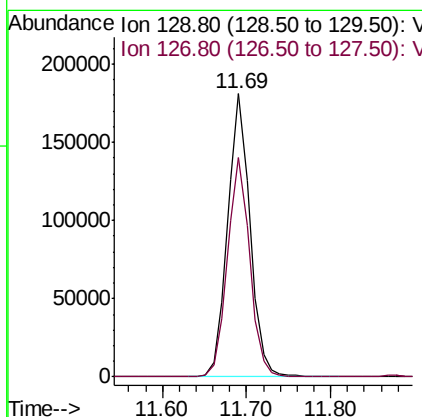
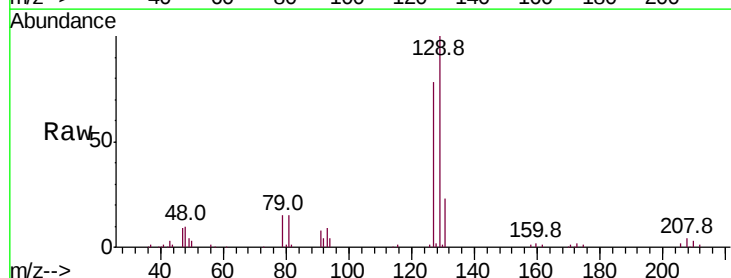
Manual Integrations  
APPROVED

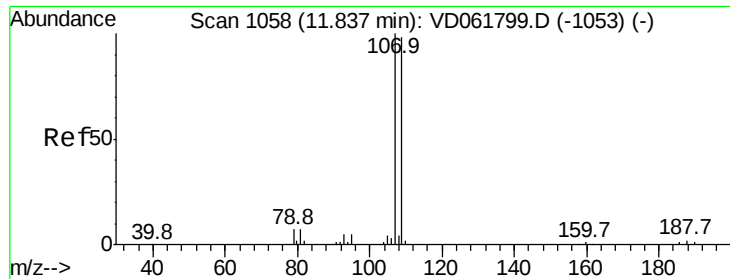
MMDadoda  
4/19/2019 6:24:22 PM



#60  
Dibromochloromethane  
Concen: 57.795 ug/l  
RT: 11.69 min Scan# 1043  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Tgt Ion: 129 Resp: 333724  
Ion Ratio Lower Upper  
129 100  
127 77.6 38.0 113.9





#61

1,2-Dibromoethane

Concen: 48.637 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 211051

Ion Ratio Lower Upper

107 100

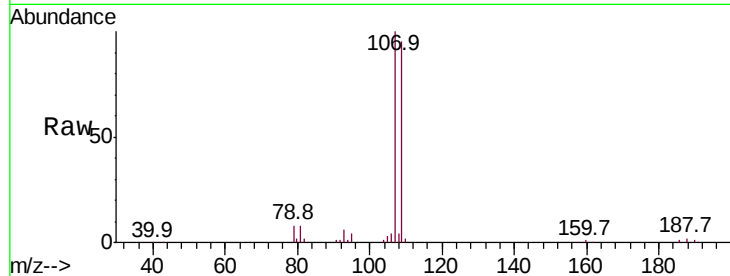
109 95.4 78.3 117.5

Manual Integrations

APPROVED

MMDadoda

4/19/2019 6:24:22 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

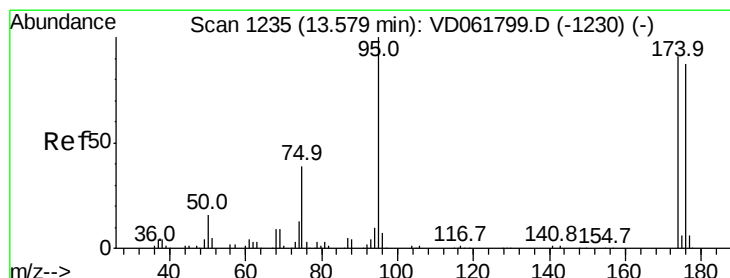
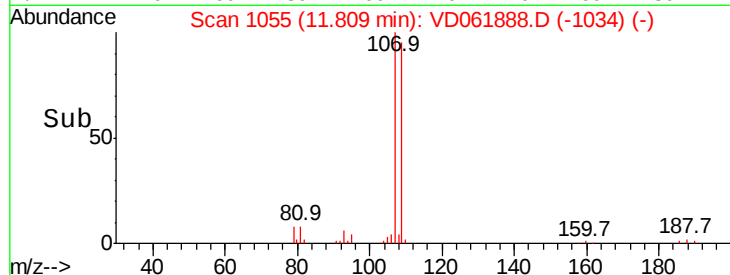
11.81

100000

50000

0

Time--> 11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 48.637 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

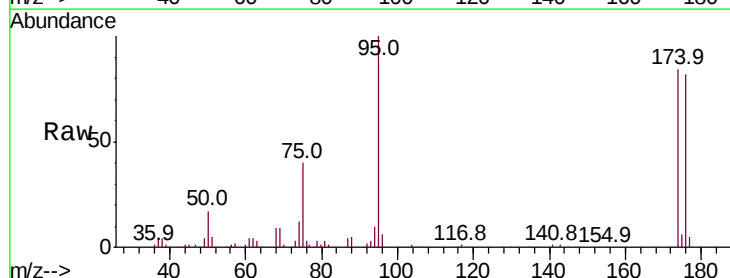
Tgt Ion: 95 Resp: 305395

Ion Ratio Lower Upper

95 100

174 83.5 0.0 181.8

176 82.5 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

300000

250000

200000

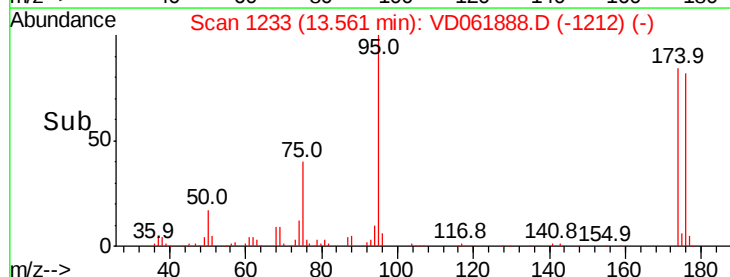
150000

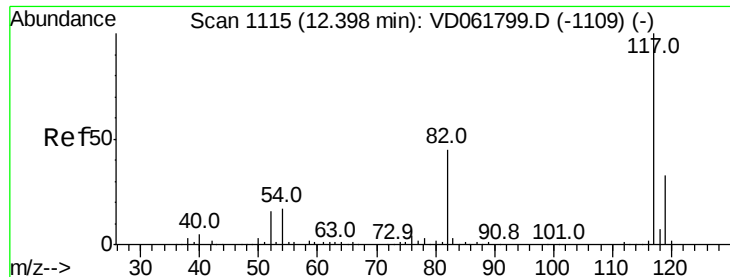
100000

50000

0

Time--> 13.50 13.60





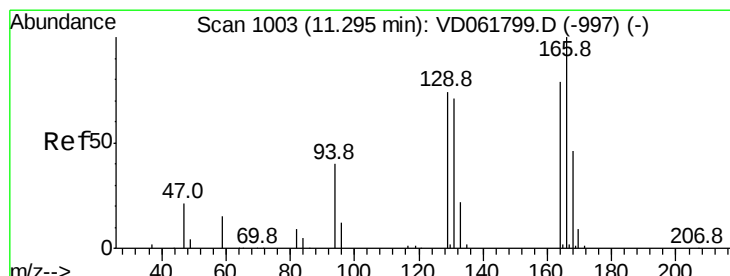
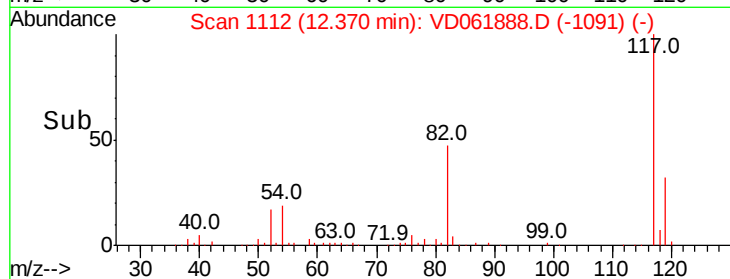
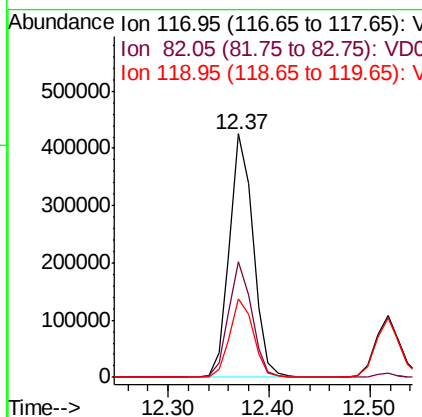
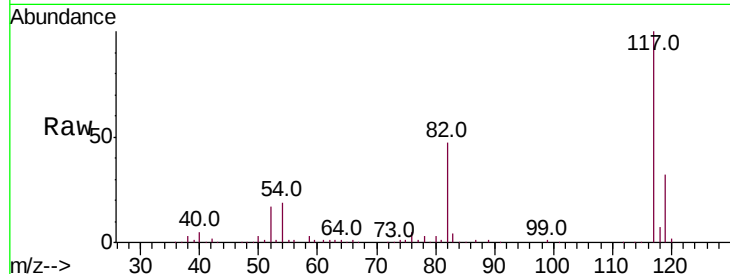
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1112  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 47.4  | 36.2  | 54.2  |
| 119     | 32.1  | 26.2  | 39.4  |

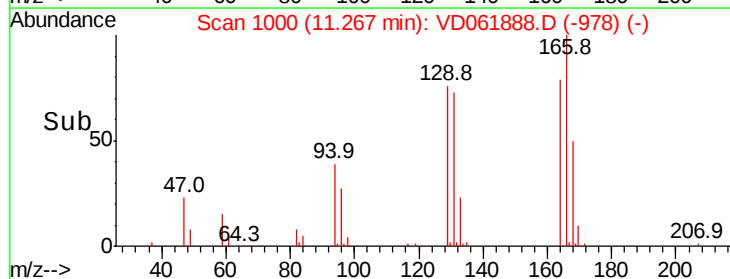
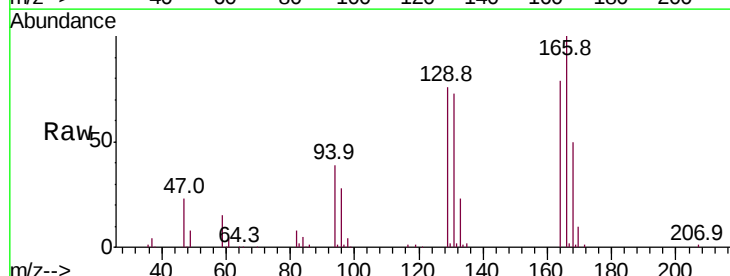
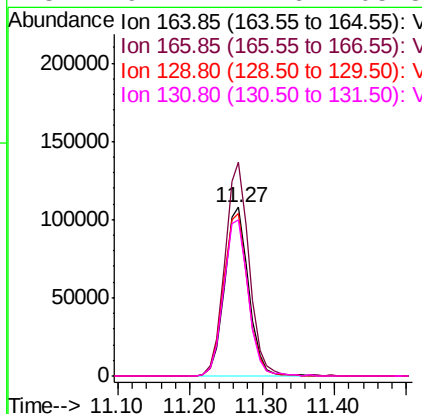
Manual Integrations  
APPROVED

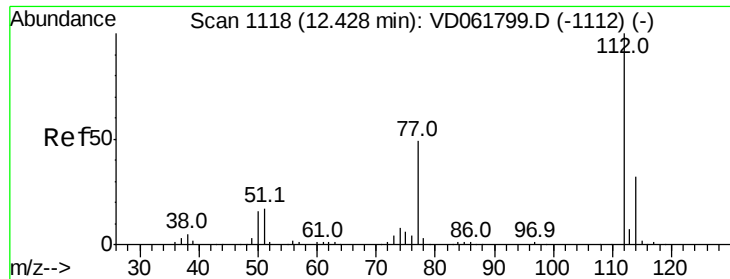
MMDadoda  
4/19/2019 6:24:22 PM



#64  
Tetrachloroethene  
Concen: 47.441 ug/l  
RT: 11.27 min Scan# 1000  
Delta R.T. 0.01 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.4 | 101.5 | 152.3 |
| 129     | 96.0  | 74.6  | 112.0 |
| 131     | 92.4  | 72.6  | 108.8 |





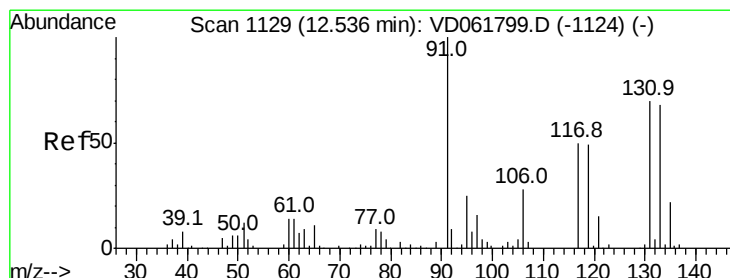
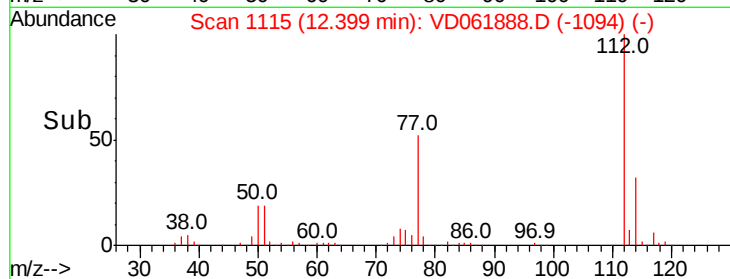
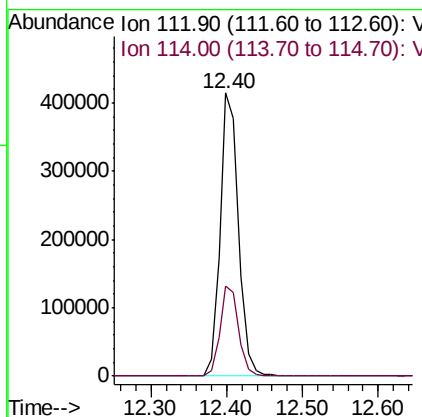
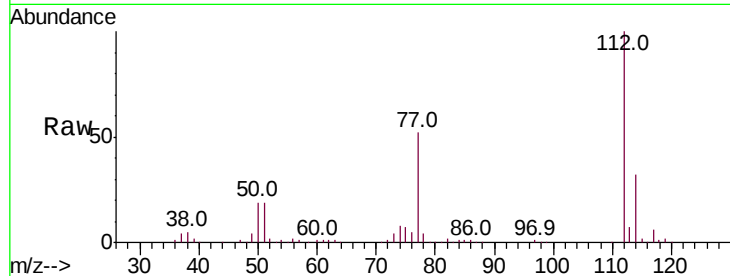
#65  
Chlorobenzene  
Concen: 54.156 ug/l  
RT: 12.40 min Scan# 1115  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 701728  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.8 38.8

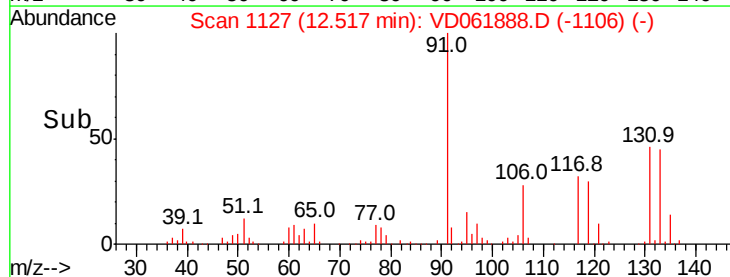
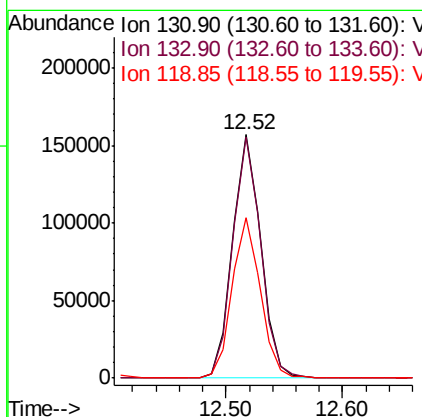
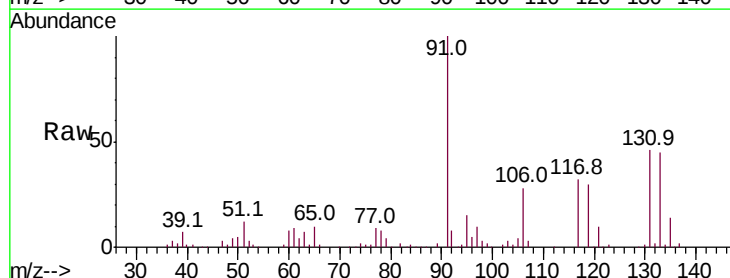
Manual Integrations  
APPROVED

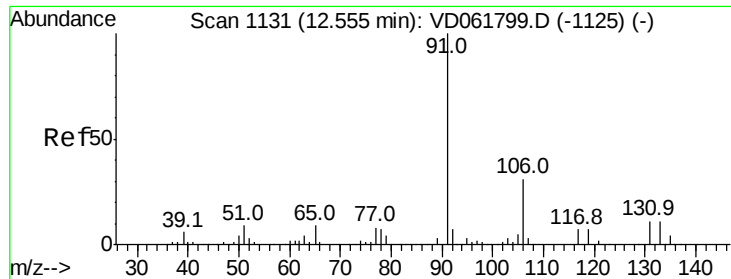
MMDadoda  
4/19/2019 6:24:22 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.796 ug/l  
RT: 12.52 min Scan# 1127  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Tgt Ion:131 Resp: 264963  
Ion Ratio Lower Upper  
131 100  
133 98.8 48.6 145.8  
119 66.0 34.7 104.1





#67

Ethyl Benzene

Concen: 48.678 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1010088

Ion Ratio Lower Upper

91 100

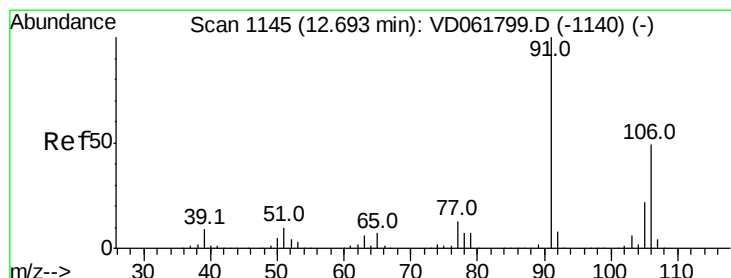
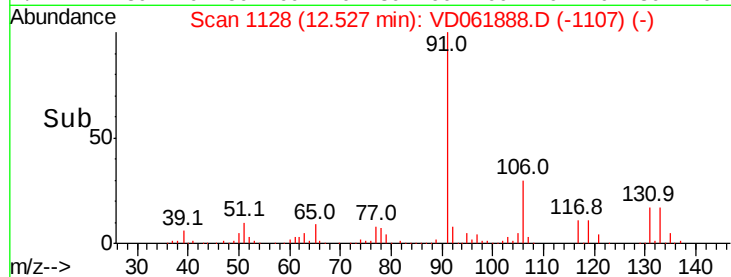
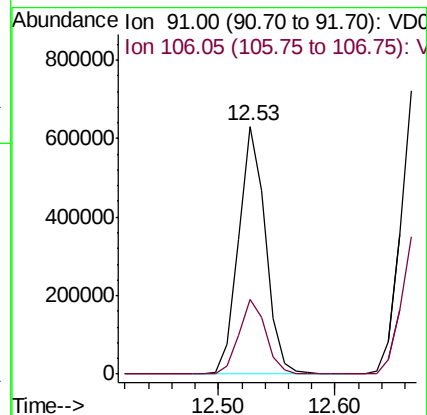
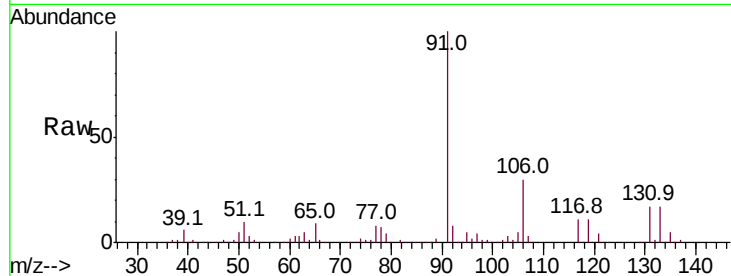
106 30.0 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

4/19/2019 6:24:22 PM



#68

m/p-Xylenes

Concen: 102.949 ug/l

RT: 12.67 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VD061888.D

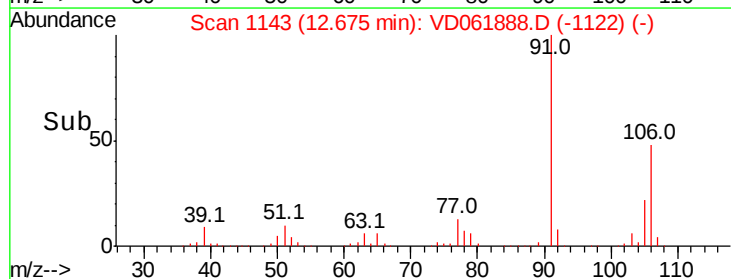
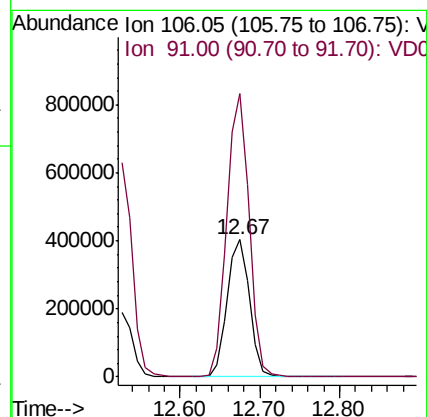
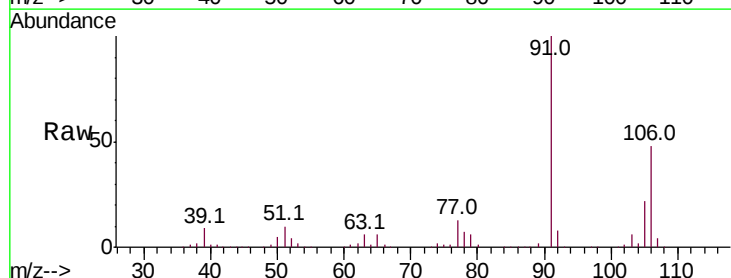
Acq: 18 Apr 2019 23:50

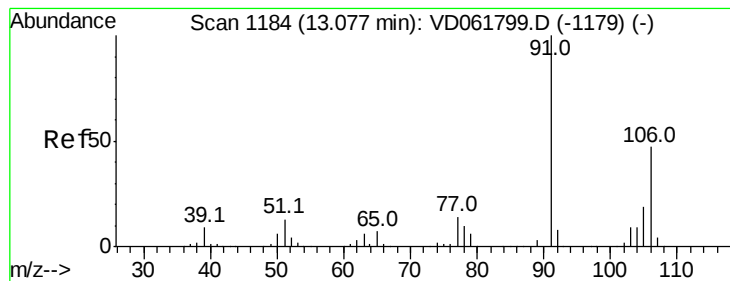
Tgt Ion: 106 Resp: 802443

Ion Ratio Lower Upper

106 100

91 206.6 164.0 246.0





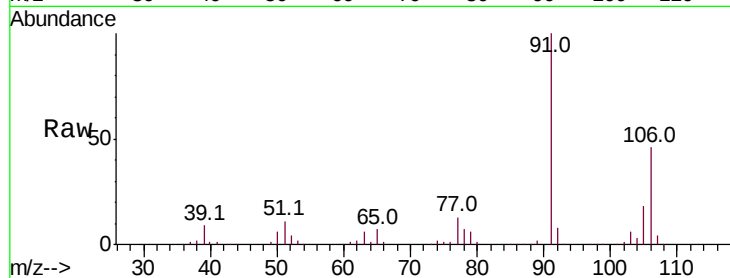
#69  
o-Xylene  
Concen: 48.137 ug/l  
RT: 13.05 min Scan# 1181  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Instrument :  
MSVOA\_D  
ClientSampleID :  
VSTDCCC050

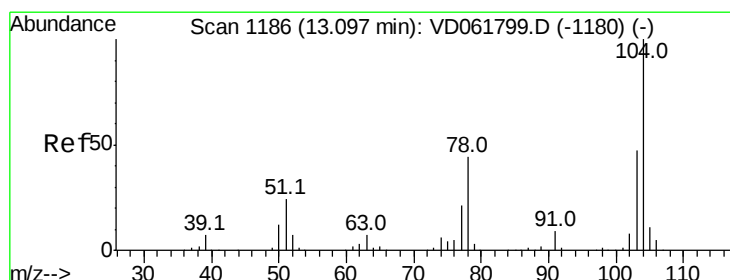
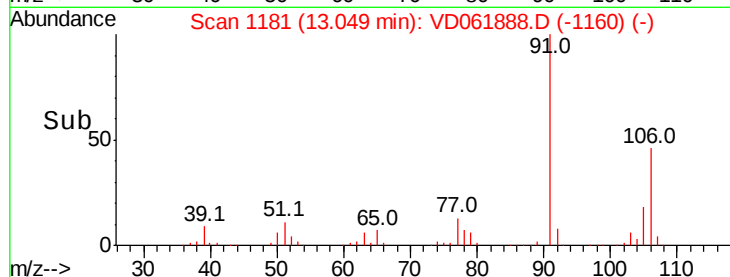
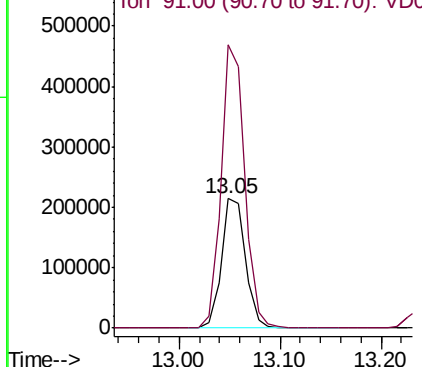
Tot Ion:106 Resp: 352665  
Ion Ratio Lower Upper  
106 100  
91 218.8 106.7 319.9

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 6:24:22 PM

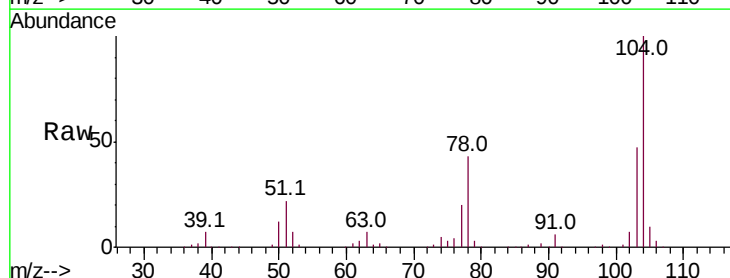


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): V

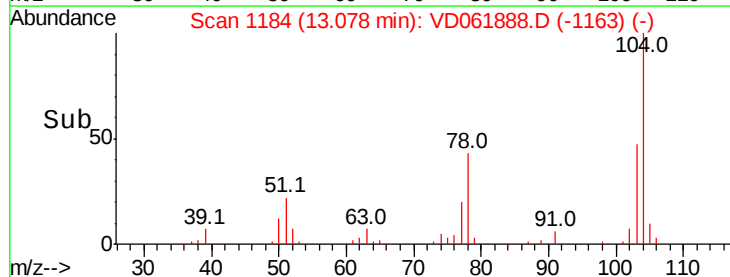
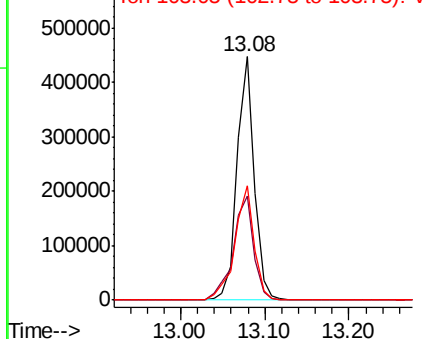


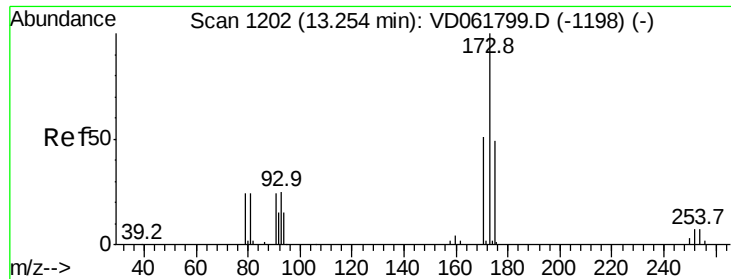
#70  
Styrene  
Concen: 50.199 ug/l  
RT: 13.08 min Scan# 1184  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Tgt Ion:104 Resp: 632876  
Ion Ratio Lower Upper  
104 100  
78 42.8 35.4 53.2  
103 46.9 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V  
Ion 77.95 (77.65 to 78.65): V  
Ion 103.05 (102.75 to 103.75): V





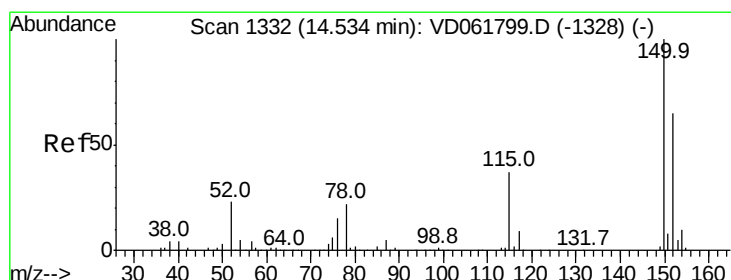
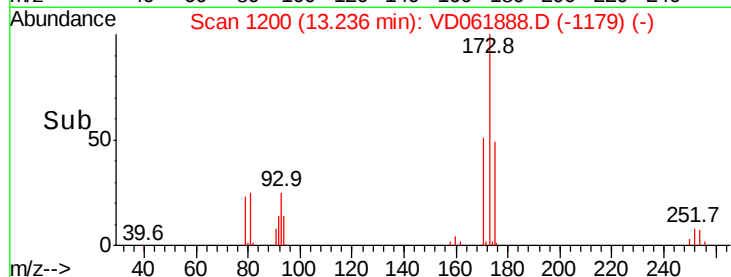
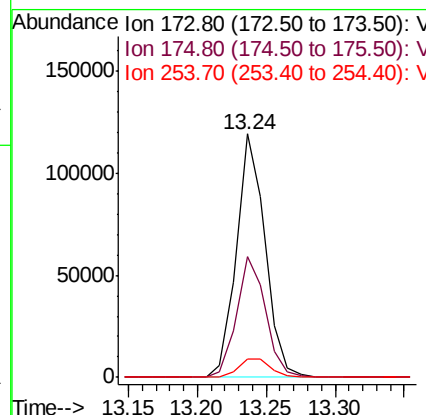
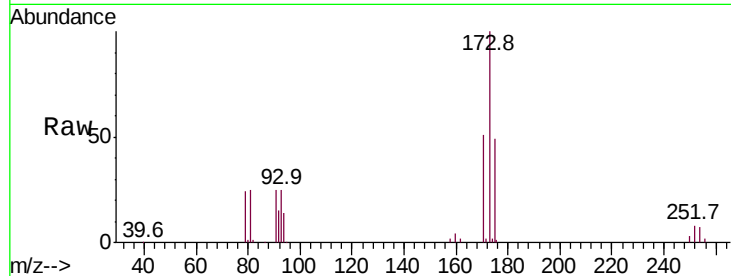
#71  
Bromoform  
Concen: 53.634 ug/l  
RT: 13.24 min Scan# 1200  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.5  | 24.4  | 73.4  |
| 254     | 7.4   | 5.4   | 8.2   |

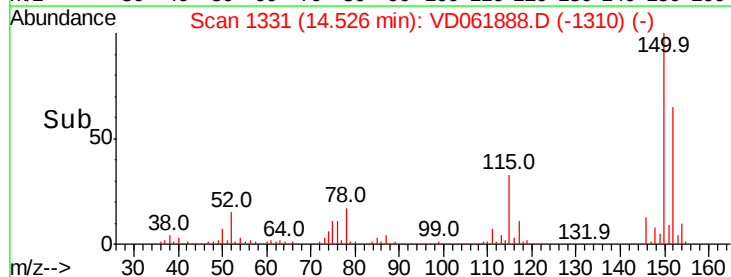
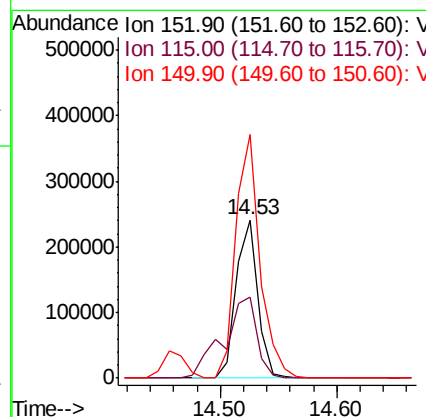
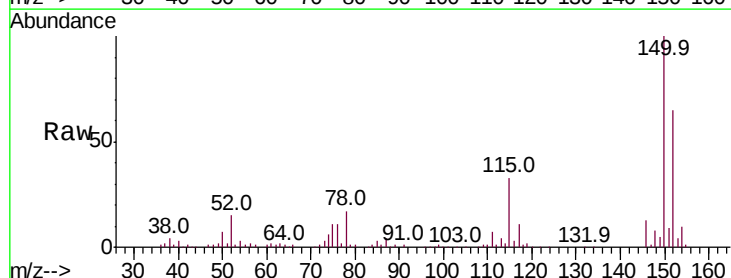
Manual Integrations  
APPROVED

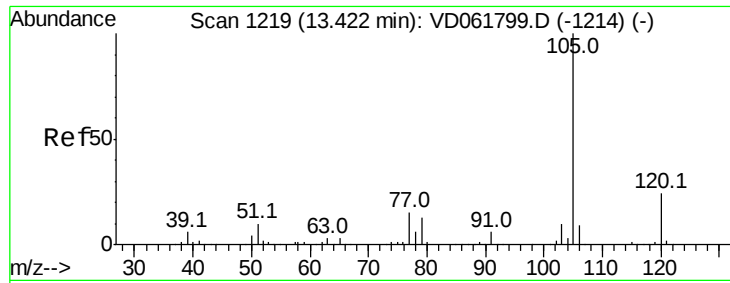
MMDadoda  
4/19/2019 6:24:22 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.53 min Scan# 1331  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 50.8  | 30.9  | 92.7  |
| 150     | 153.8 | 0.0   | 314.8 |





#73

Isopropylbenzene

Concen: 49.546 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1001153

Ion Ratio Lower Upper

105 100

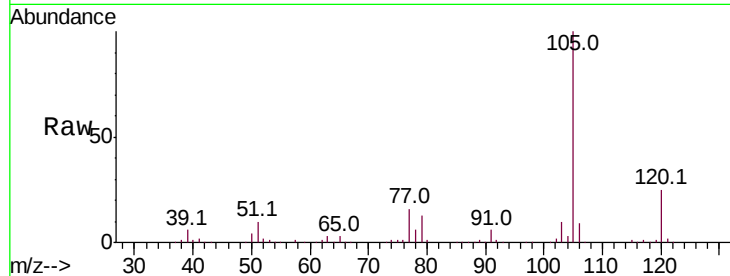
120 24.6 12.0 36.1

Manual Integrations

APPROVED

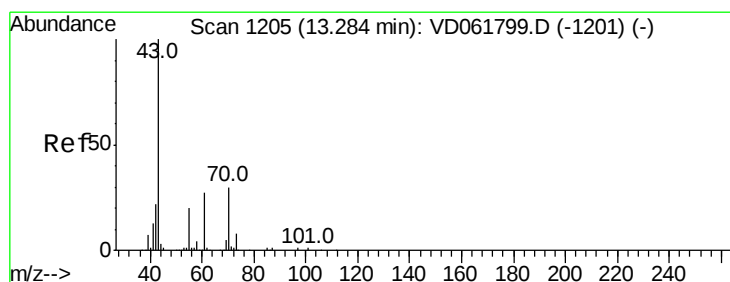
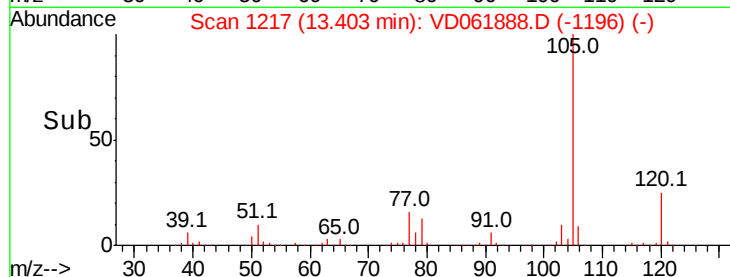
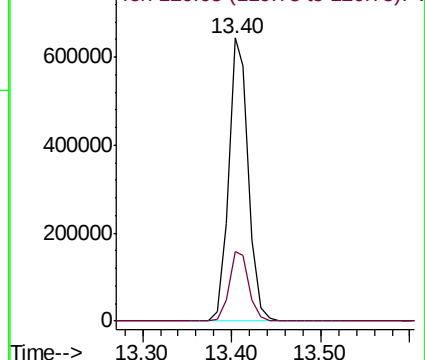
MMDadoda

4/19/2019 6:24:22 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.223 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Tgt Ion: 43 Resp: 272894

Ion Ratio Lower Upper

43 100

70 30.3 24.2 36.4

55 19.2 16.0 24.0

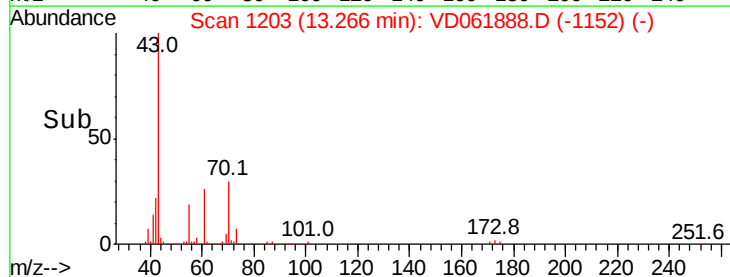
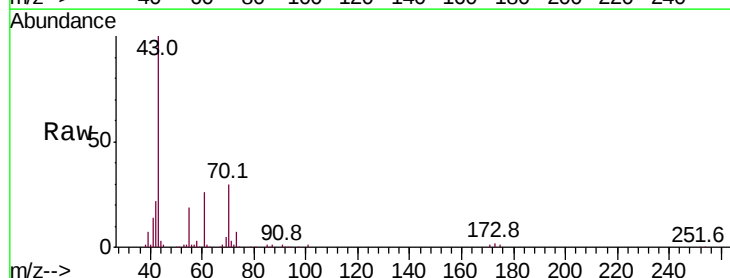
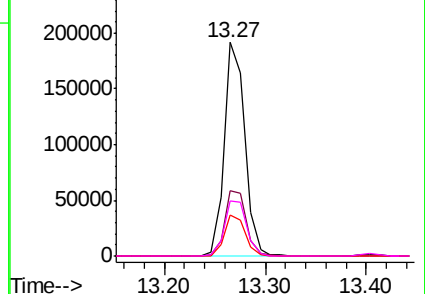
61 25.5 21.6 32.4

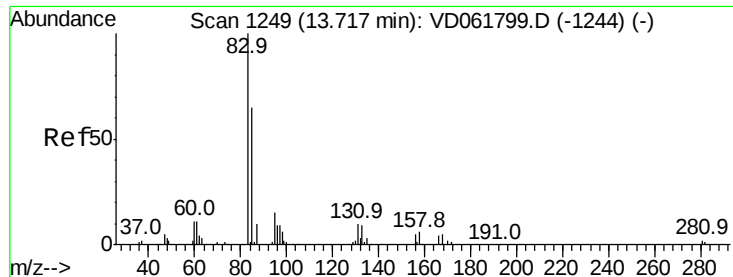
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.223 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

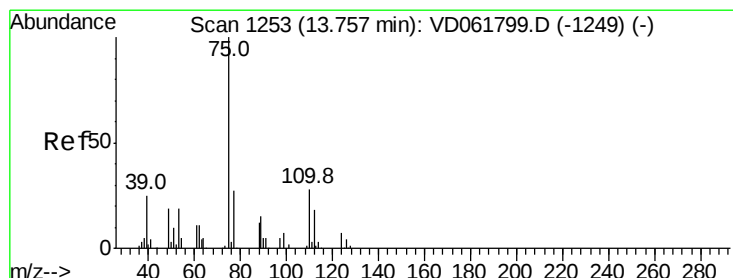
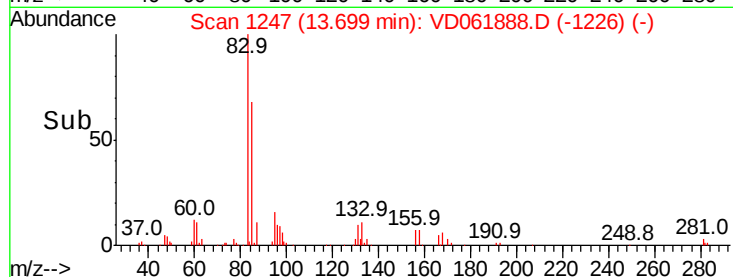
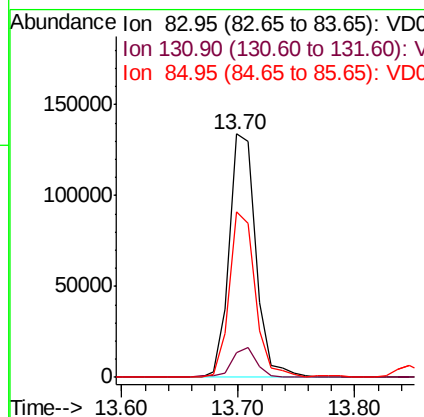
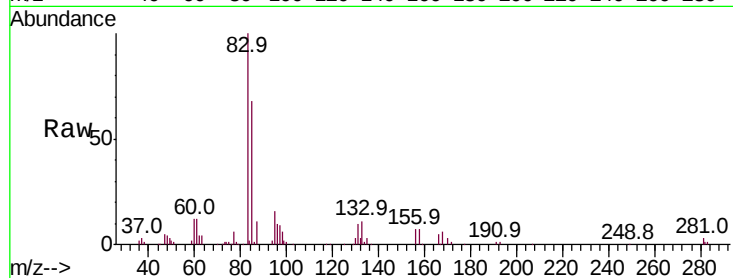
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 212581 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.2  | 5.0   | 14.9   |
| 85        | 67.9  | 32.6  | 97.7   |

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 6:24:22 PM



#76

1,2,3-Trichloropropane

Concen: 54.837 ug/l

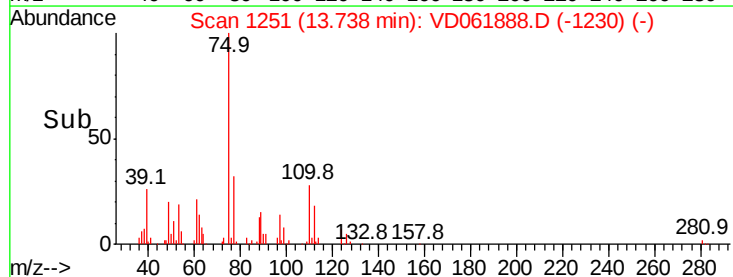
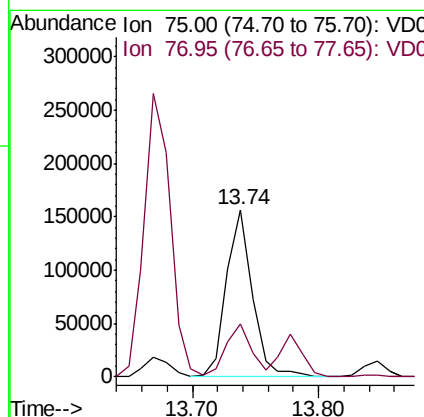
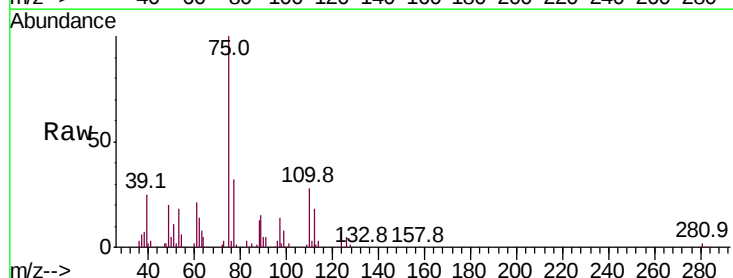
RT: 13.74 min Scan# 1251

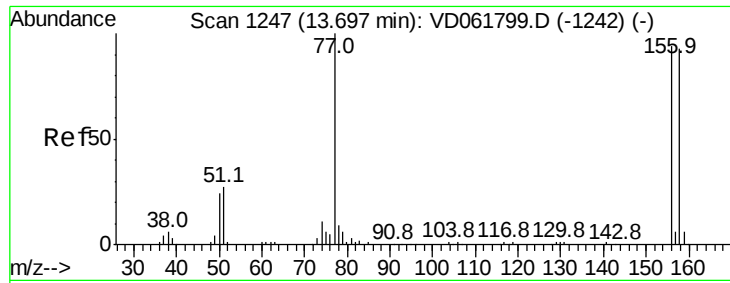
Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 224378 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 32.1  | 16.4  | 49.4   |





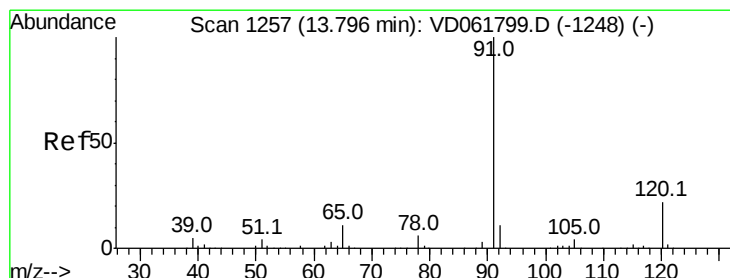
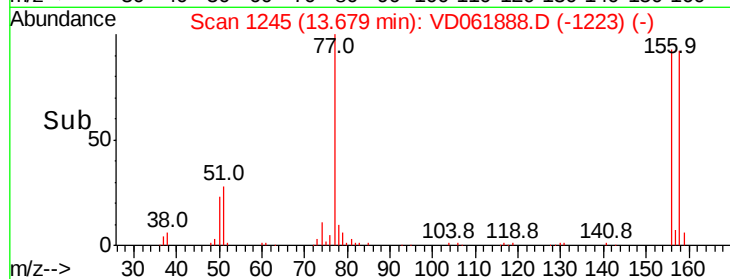
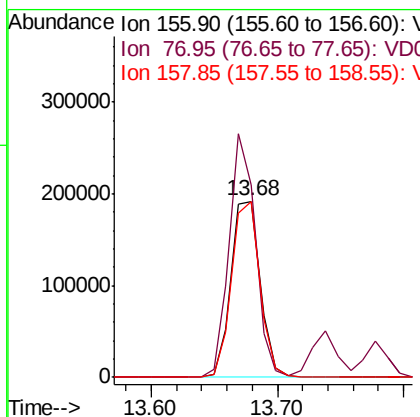
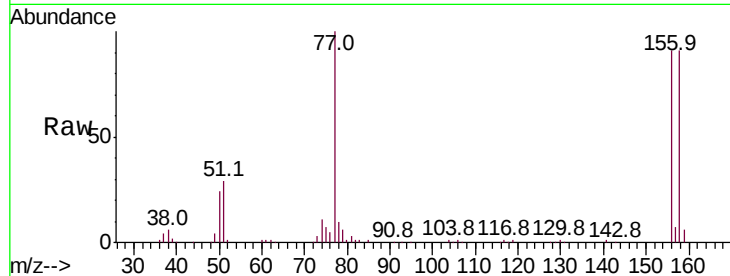
#77  
Bromobenzene  
Concen: 53.097 ug/l  
RT: 13.68 min Scan# 1245  
Delta R.T. 0.01 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 109.7 | 53.1  | 159.4 |
| 158     | 99.6  | 49.4  | 148.0 |

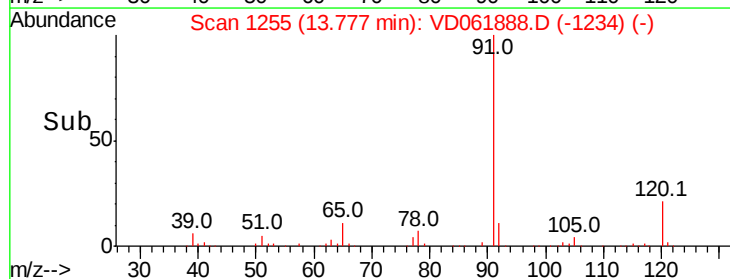
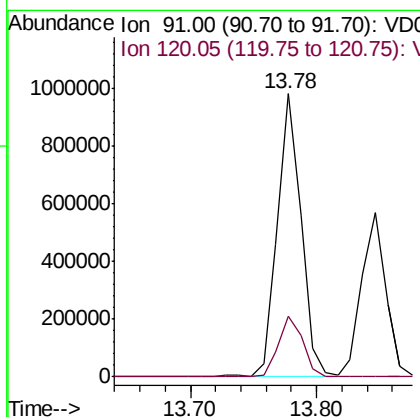
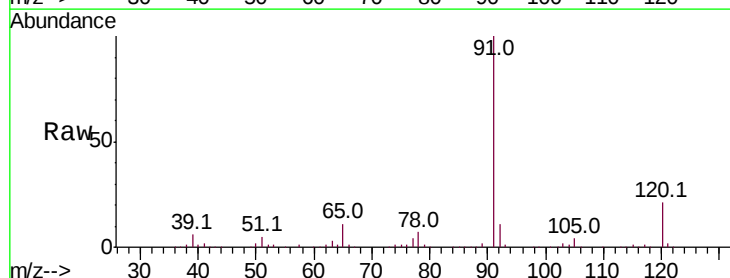
Manual Integrations  
APPROVED

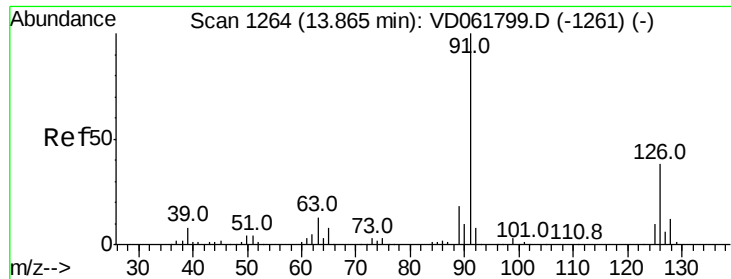
MMDadoda  
4/19/2019 6:24:22 PM



#78  
n-propylbenzene  
Concen: 55.507 ug/l  
RT: 13.78 min Scan# 1255  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 21.5  | 11.1  | 33.1  |





#79

2-Chlorotoluene

Concen: 55.381 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 755278

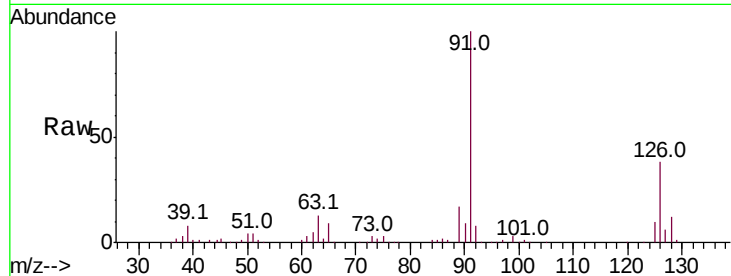
Ion Ratio Lower Upper

91 100

126 38.1 18.6 55.8

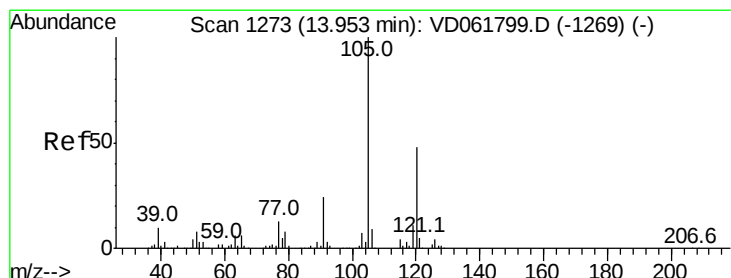
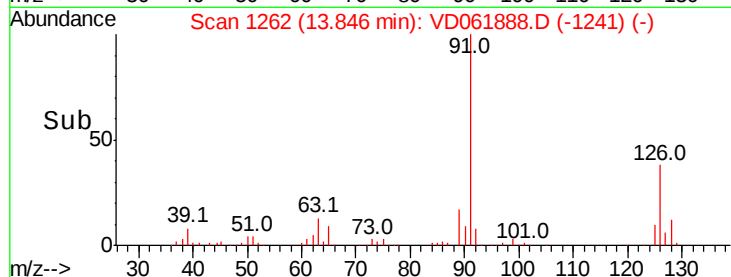
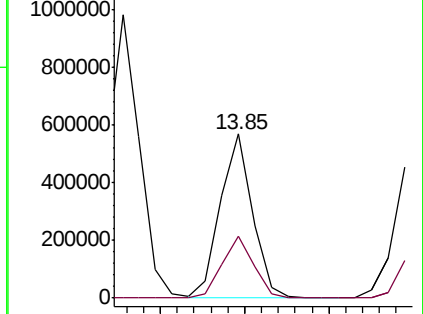
Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 6:24:22 PM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 55.300 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD061888.D

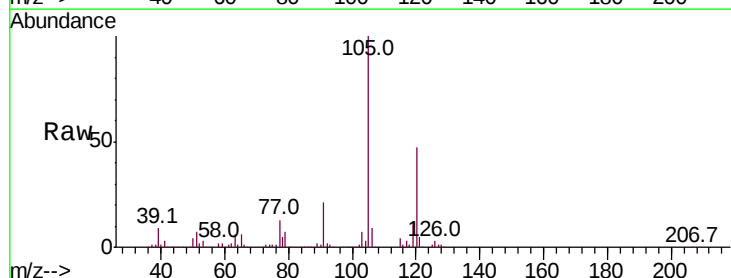
Acq: 18 Apr 2019 23:50

Tgt Ion: 105 Resp: 886621

Ion Ratio Lower Upper

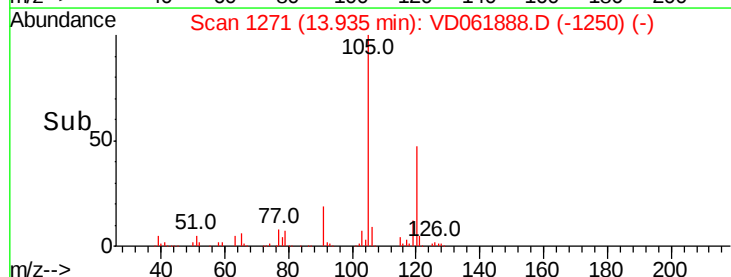
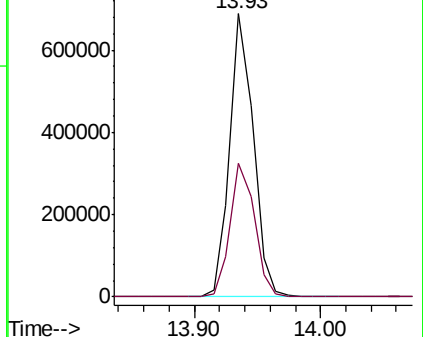
105 100

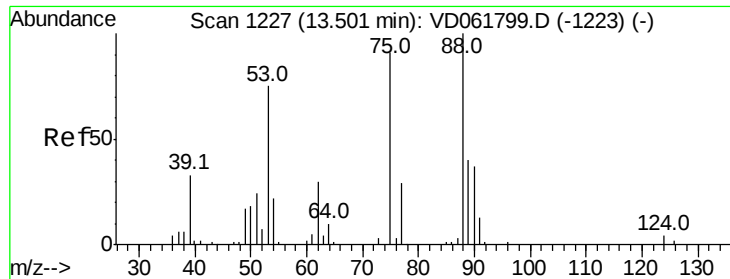
120 47.3 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





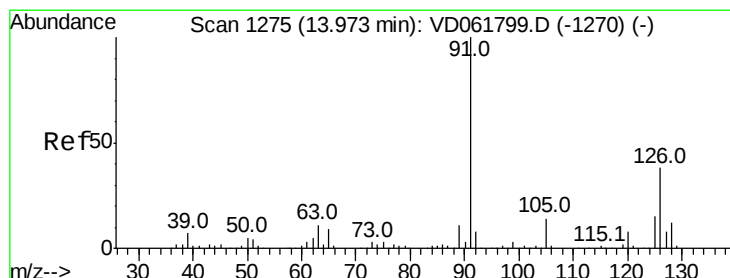
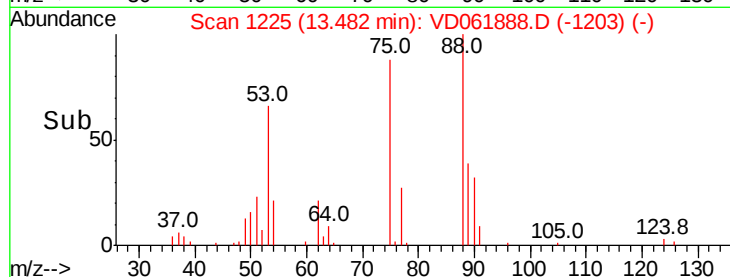
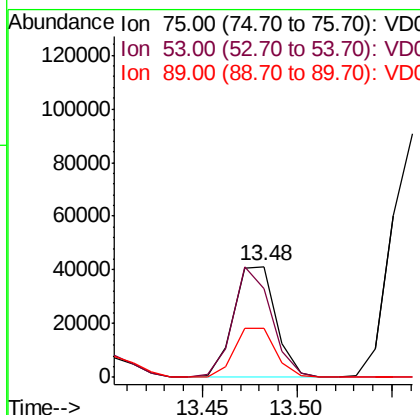
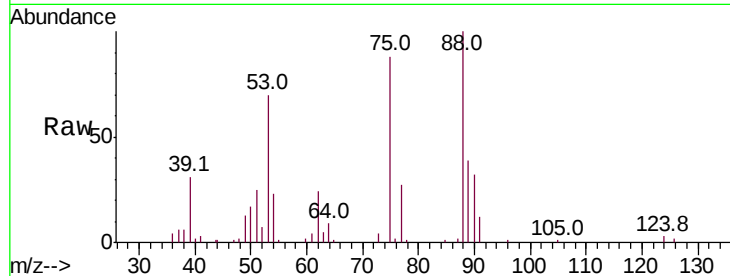
#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.182 ug/l  
RT: 13.48 min Scan# 1225  
Delta R.T. 0.01 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 75 Resp: 63729  
Ion Ratio Lower Upper  
75 100  
53 79.7 65.8 98.8  
89 44.0 35.0 52.6

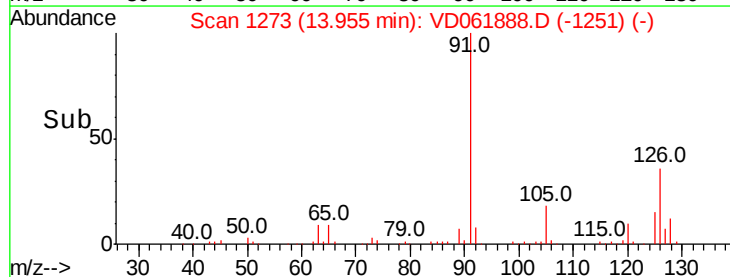
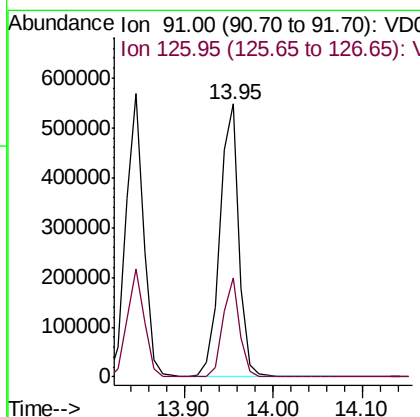
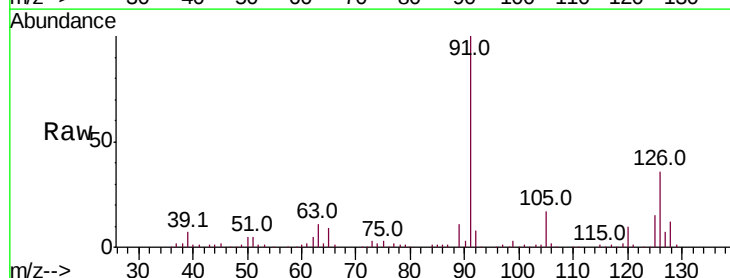
Manual Integrations  
APPROVED

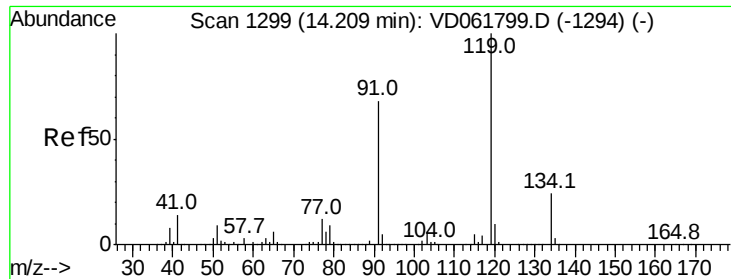
MMDadoda  
4/19/2019 6:24:22 PM



#82  
4-Chlorotoluene  
Concen: 52.371 ug/l  
RT: 13.95 min Scan# 1273  
Delta R.T. 0.01 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Tgt Ion: 91 Resp: 817517  
Ion Ratio Lower Upper  
91 100  
126 36.4 19.1 57.5





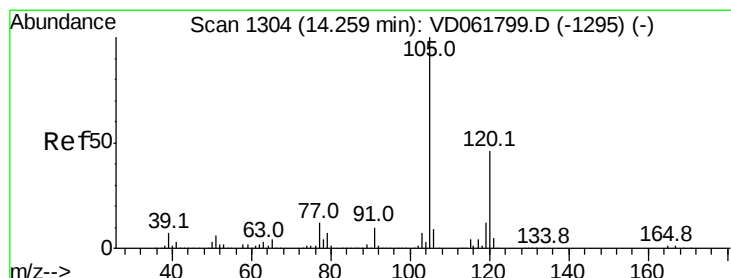
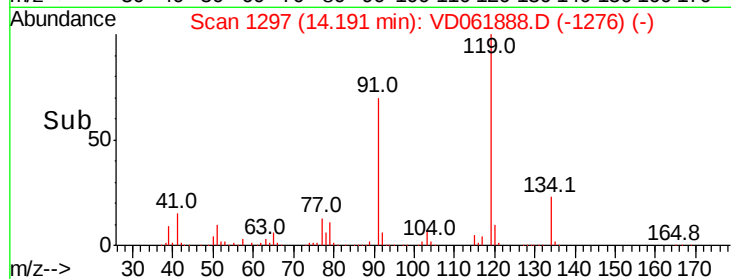
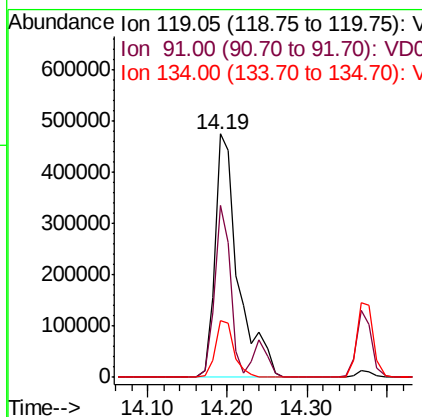
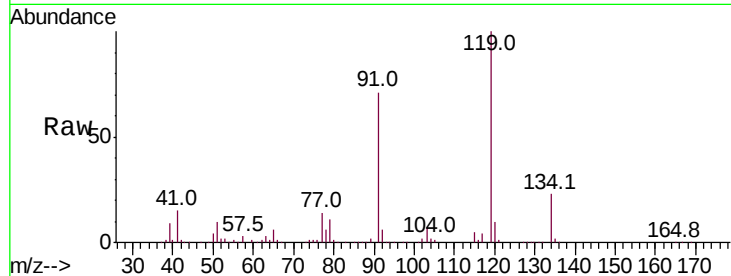
#83  
 tert-Butylbenzene  
 Concen: 51.583 ug/l  
 RT: 14.19 min Scan# 1297  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 70.9  | 34.2  | 102.6 |
| 134     | 23.1  | 12.0  | 36.0  |

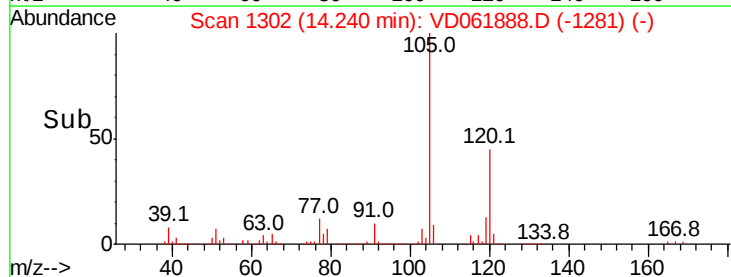
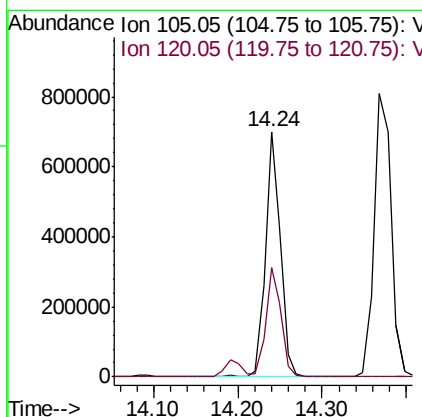
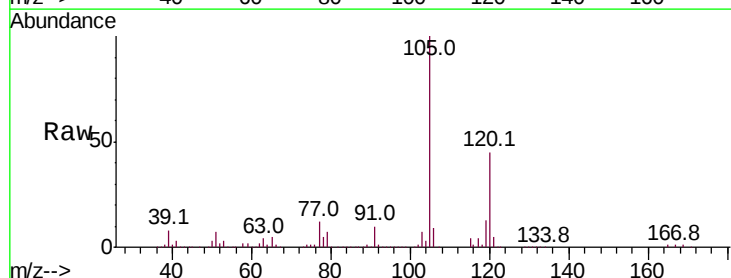
Manual Integrations  
 APPROVED

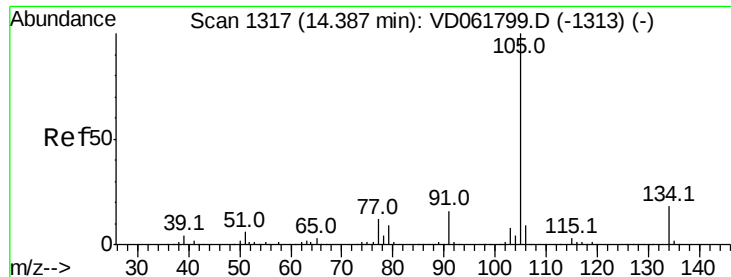
MMDadoda  
 4/19/2019 6:24:22 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 54.951 ug/l  
 RT: 14.24 min Scan# 1302  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.8  | 23.1  | 69.2  |





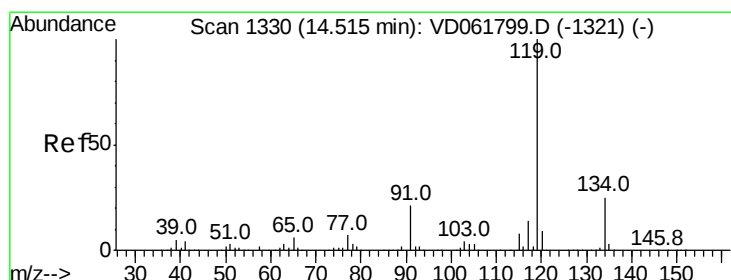
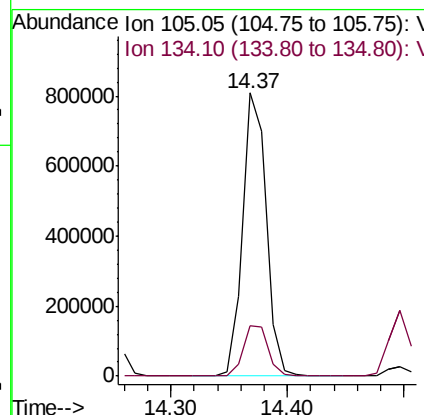
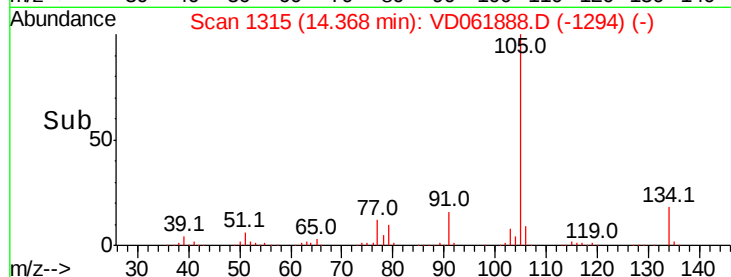
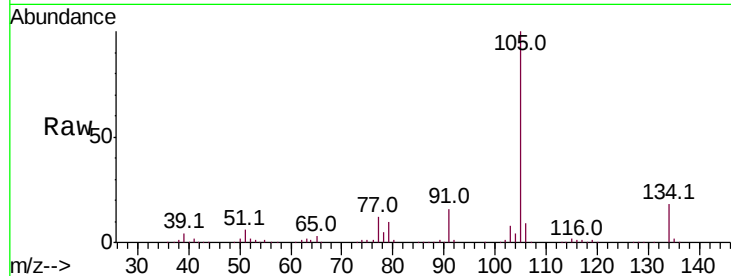
#85  
 sec-Butylbenzene  
 Concen: 58.223 ug/l  
 RT: 14.37 min Scan# 1315  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:105 Resp: 1133113  
 Ion Ratio Lower Upper  
 105 100  
 134 17.9 8.9 26.7

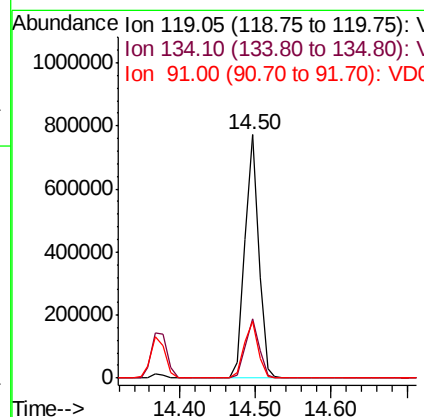
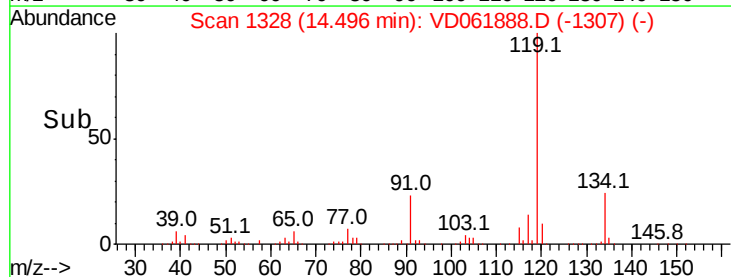
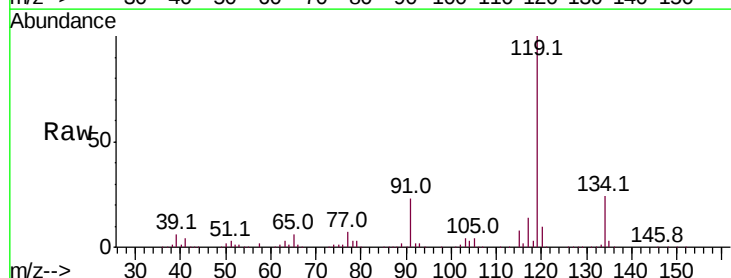
Manual Integrations  
 APPROVED

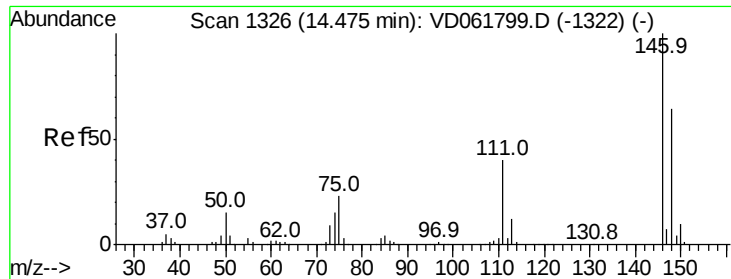
MMDadoda  
 4/19/2019 6:24:22 PM



#86  
 p-Isopropyltoluene  
 Concen: 52.644 ug/l  
 RT: 14.50 min Scan# 1328  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Tgt Ion:119 Resp: 958602  
 Ion Ratio Lower Upper  
 119 100  
 134 24.2 12.8 38.3  
 91 23.1 10.7 32.1





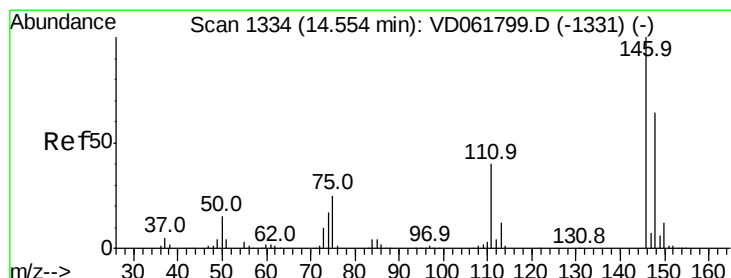
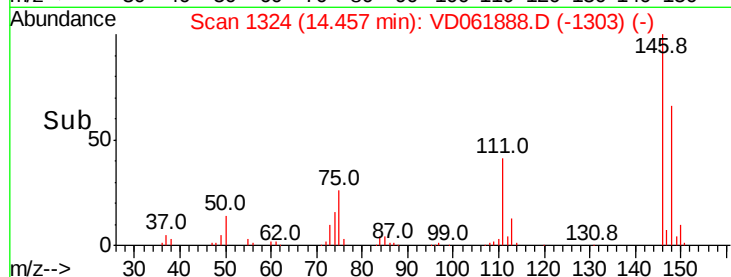
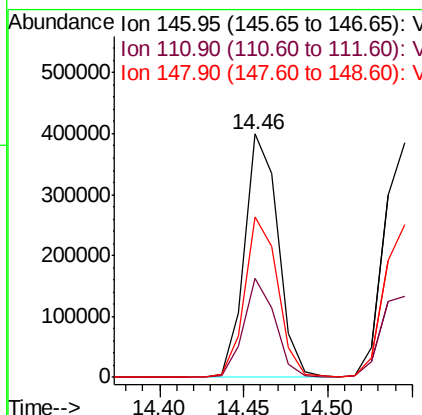
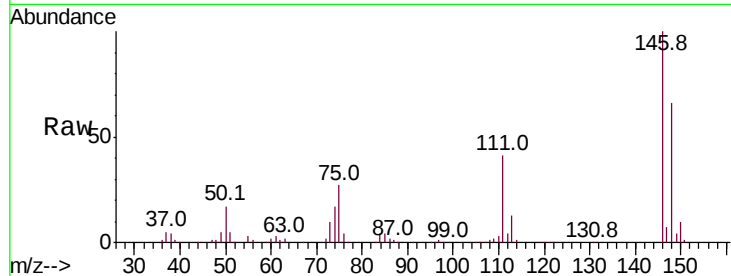
#87  
 1,3-Dichlorobenzene  
 Concen: 54.770 ug/l  
 RT: 14.46 min Scan# 1324  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.7  | 20.0  | 60.0  |
| 148     | 65.8  | 31.8  | 95.4  |

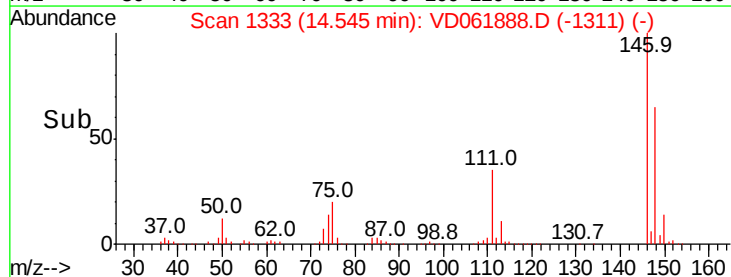
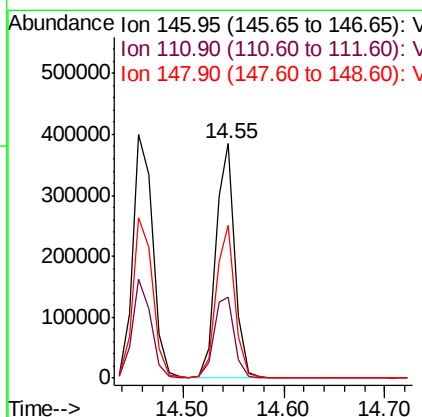
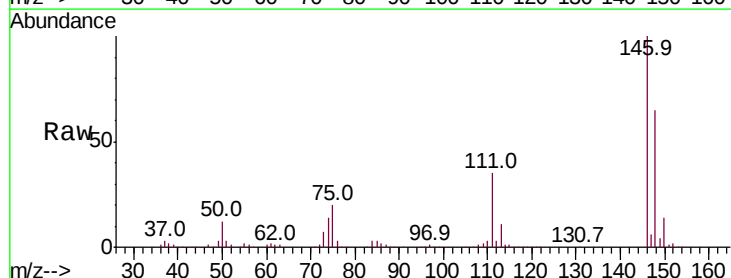
Manual Integrations  
 APPROVED

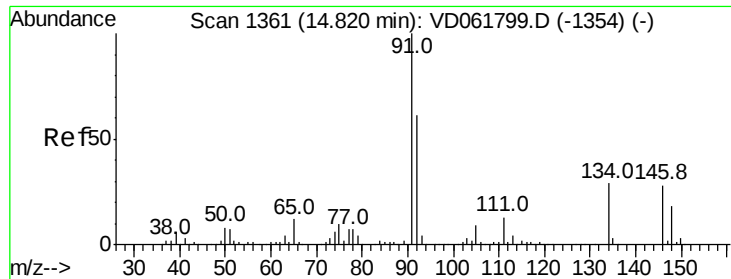
MMDadoda  
 4/19/2019 6:24:22 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 50.929 ug/l  
 RT: 14.55 min Scan# 1333  
 Delta R.T. 0.01 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 34.7  | 20.2  | 60.5  |
| 148     | 65.1  | 32.0  | 96.2  |





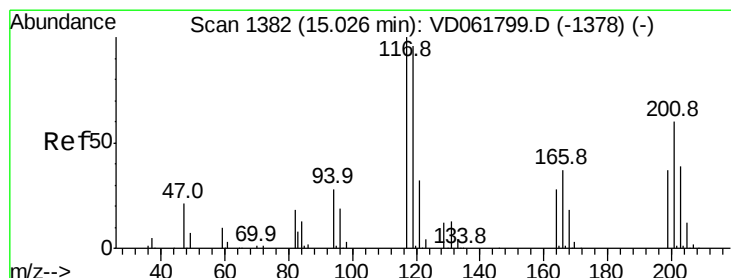
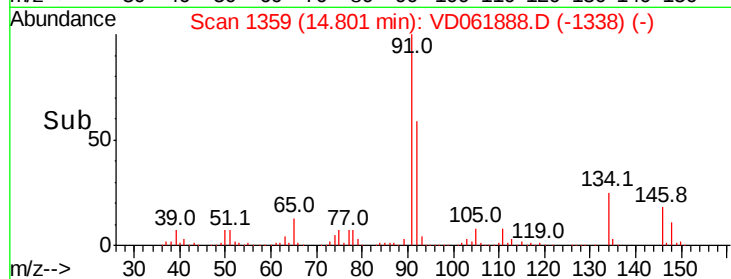
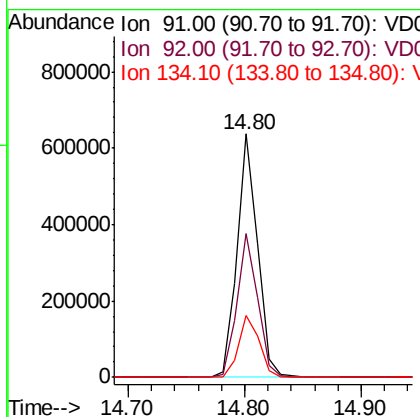
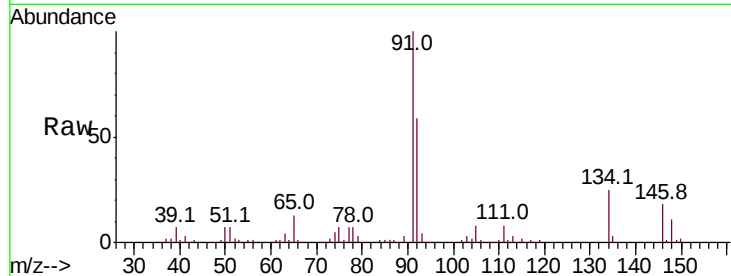
#89  
n-Butylbenzene  
Concen: 48.247 ug/l  
RT: 14.80 min Scan# 1359  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 59.0  | 30.3  | 91.0  |
| 134     | 25.4  | 14.5  | 43.6  |

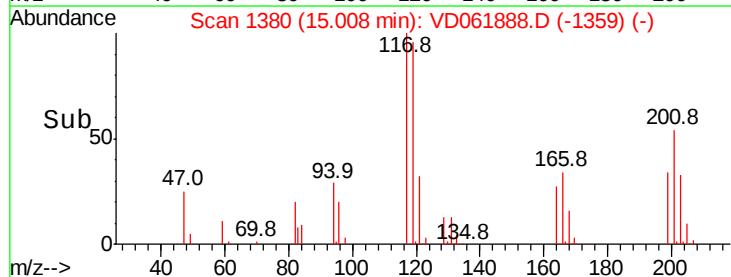
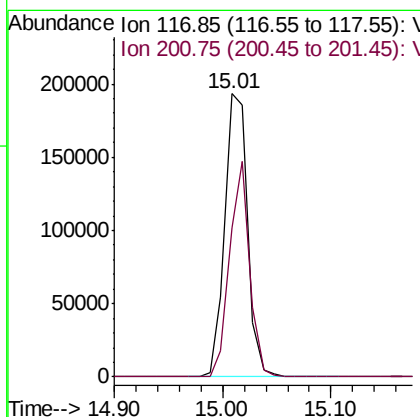
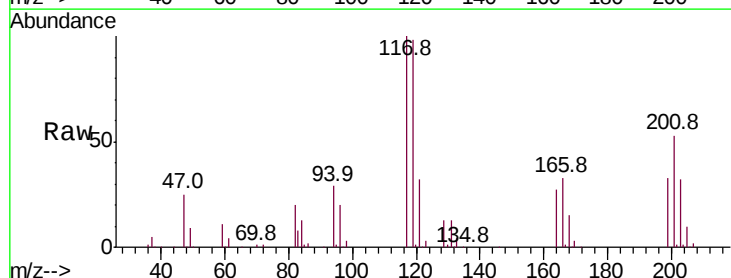
Manual Integrations  
APPROVED

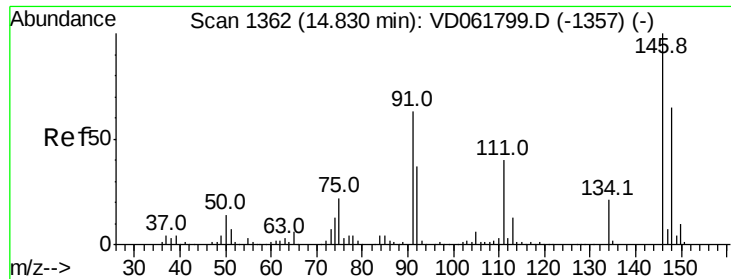
MMDadoda  
4/19/2019 6:24:22 PM



#90  
Hexachloroethane  
Concen: 57.392 ug/l  
RT: 15.01 min Scan# 1380  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 52.5  | 30.2  | 90.6  |





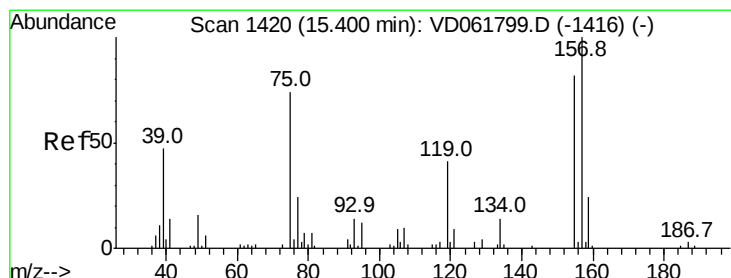
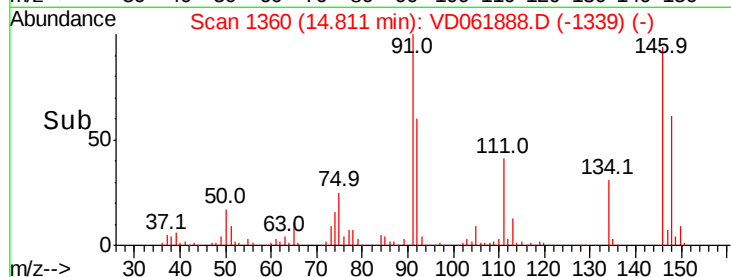
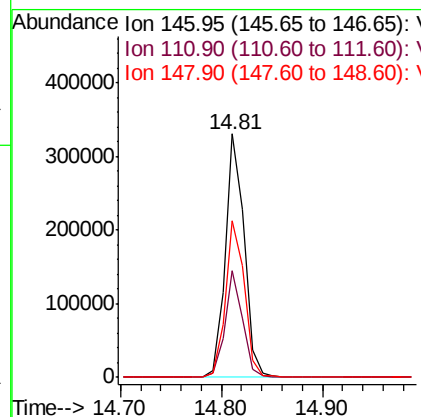
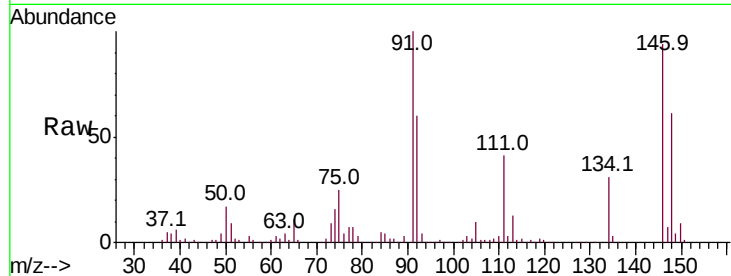
#91  
 1,2-Dichlorobenzene  
 Concen: 51.684 ug/l  
 RT: 14.81 min Scan# 1360  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 433813 |       |       |
| 111     | 43.6  | 20.0   | 59.9  |       |
| 148     | 64.4  | 32.3   | 96.8  |       |

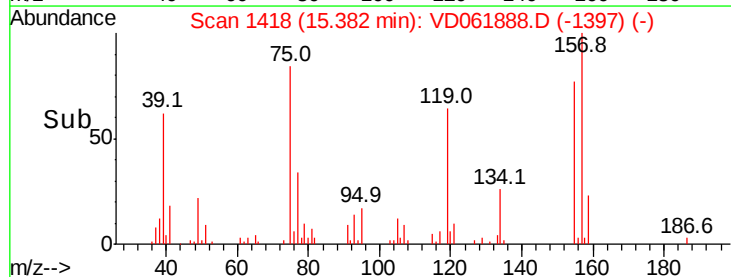
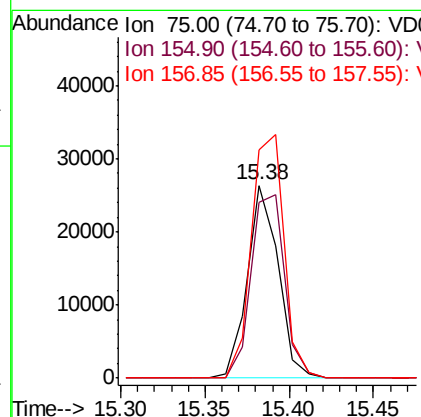
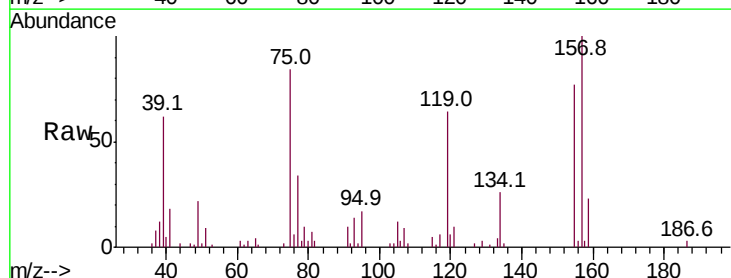
Manual Integrations  
 APPROVED

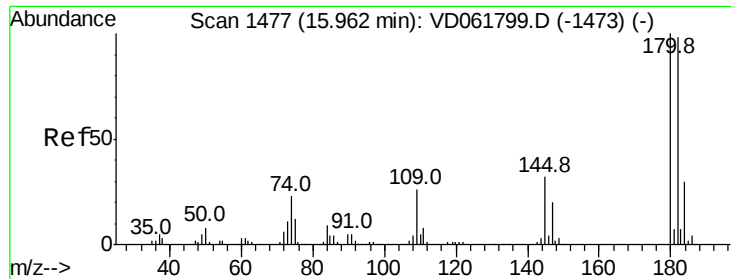
MMDadoda  
 4/19/2019 6:24:22 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 57.209 ug/l  
 RT: 15.38 min Scan# 1418  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 33439 |       |       |
| 155     | 90.9  | 55.3  | 165.8 |       |
| 157     | 118.4 | 67.8  | 203.2 |       |





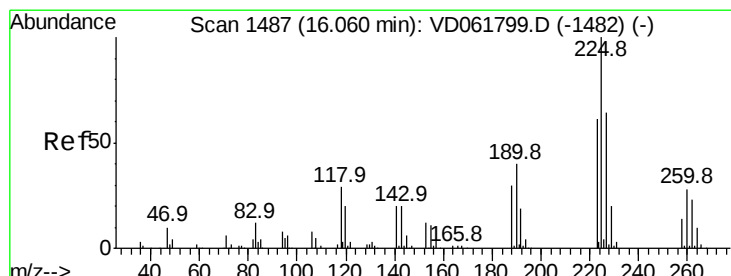
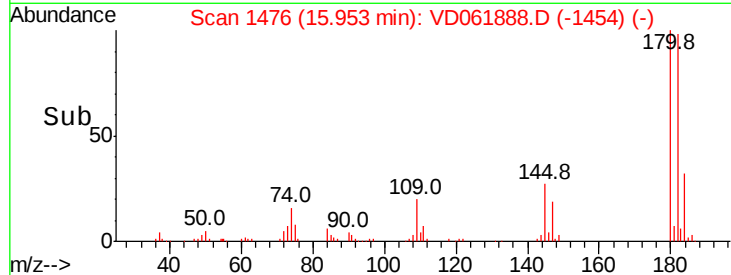
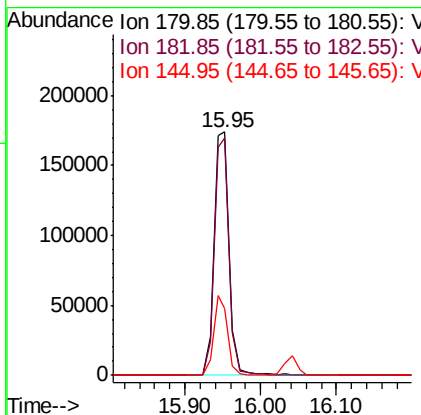
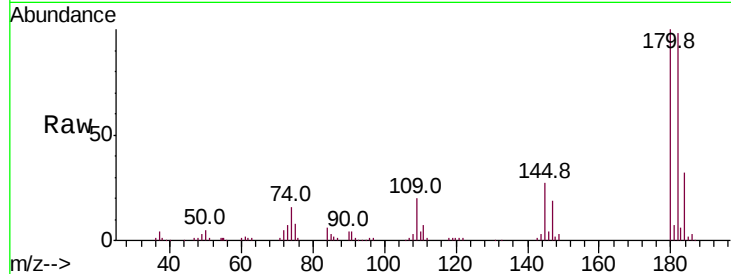
#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.713 ug/l  
 RT: 15.95 min Scan# 1476  
 Delta R.T. 0.01 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 247619 |       |       |
| 182     | 97.6  | 49.3   | 147.8 |       |
| 145     | 27.3  | 16.2   | 48.6  |       |

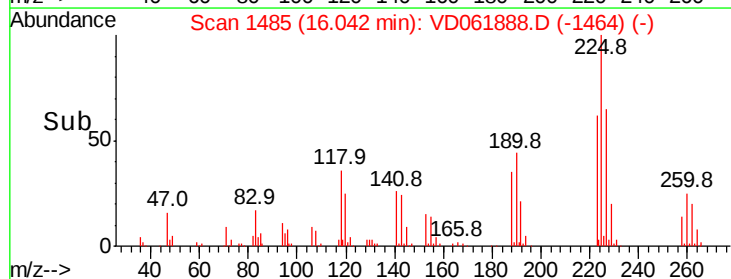
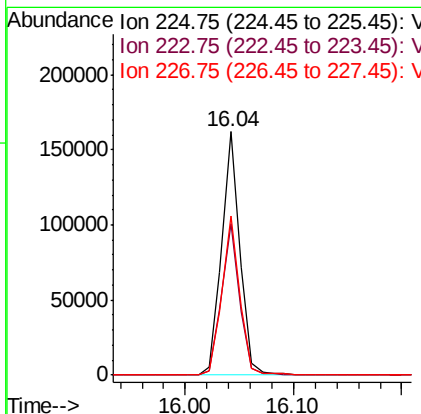
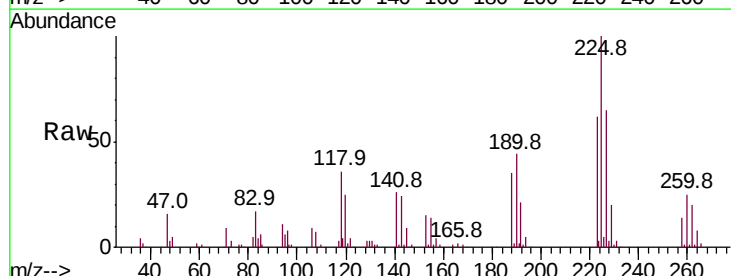
Manual Integrations  
 APPROVED

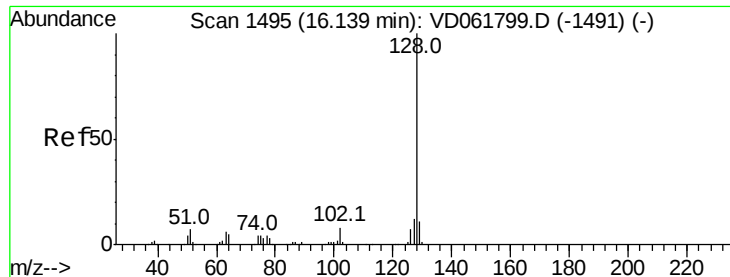
MMDadoda  
 4/19/2019 6:24:22 PM



#94  
 Hexachlorobutadiene  
 Concen: 57.076 ug/l  
 RT: 16.04 min Scan# 1485  
 Delta R.T. 0.00 min  
 Lab File: VD061888.D  
 Acq: 18 Apr 2019 23:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 190681 |       |       |
| 223     | 62.3  | 30.6   | 92.0  |       |
| 227     | 65.4  | 32.0   | 96.2  |       |





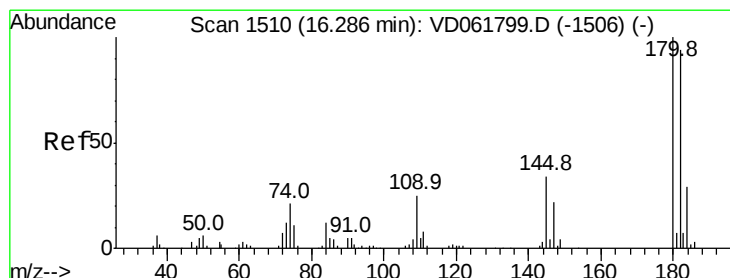
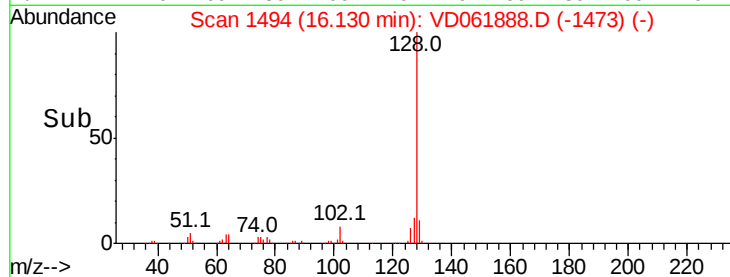
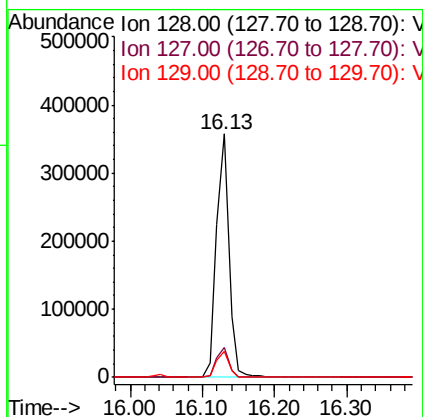
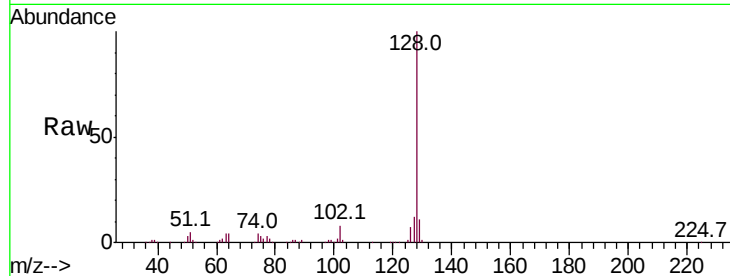
#95  
Naphthalene  
Concen: 59.882 ug/l  
RT: 16.13 min Scan# 1494  
Delta R.T. 0.00 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 423121 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.3  | 9.8   | 14.8   |
| 129       | 10.6  | 8.8   | 13.2   |

Manual Integrations  
APPROVED

MMDadoda  
4/19/2019 6:24:22 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 60.112 ug/l  
RT: 16.28 min Scan# 1509  
Delta R.T. 0.01 min  
Lab File: VD061888.D  
Acq: 18 Apr 2019 23:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 157921 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.3  | 47.0  | 141.0  |
| 145       | 30.3  | 17.0  | 51.0   |

