

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\  
 Data File : VD063080.D  
 Acq On : 15 Jul 2019 13:26  
 Operator : VA/AP  
 Sample : VSTDIC100  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

Manual Integrations  
 APPROVED

MMDadoda  
 7/16/2019 9:15:12 AM

Quant Time: Jul 16 07:46:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D071519S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 07:23:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.04  | 168  | 770401   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.21  | 114  | 1026485  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.36 | 117  | 880904   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 452748   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.45   | 65  | 923470   | 107.26 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 214.52% |      |
| 35) Dibromofluoromethane  | 6.92   | 113 | 997918   | 112.06 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 224.12% |      |
| 50) Toluene-d8            | 10.40  | 98  | 2156749  | 113.17 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 226.34% |      |
| 62) 4-Bromofluorobenzene  | 13.55  | 95  | 947604   | 108.45 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 216.90% |      |

## Target Compounds

|                               |      |     |          |         |        | Qvalue |
|-------------------------------|------|-----|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.56 | 85  | 912154   | 94.022  | ug/l   | 96     |
| 3) Chloromethane              | 1.74 | 50  | 697338   | 94.055  | ug/l # | 86     |
| 4) Vinyl Chloride             | 1.84 | 62  | 771189   | 105.088 | ug/l   | 95     |
| 5) Bromomethane               | 2.13 | 94  | 311955   | 93.246  | ug/l   | 98     |
| 6) Chloroethane               | 2.24 | 64  | 330634   | 98.738  | ug/l   | 94     |
| 7) Trichlorofluoromethane     | 2.52 | 101 | 1662668  | 109.948 | ug/l   | 97     |
| 8) Diethyl Ether              | 2.86 | 74  | 243676   | 127.643 | ug/l   | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.13 | 101 | 957196   | 117.788 | ug/l   | 98     |
| 10) Methyl Iodide             | 3.28 | 142 | 1418487  | 132.535 | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.08 | 59  | 273291   | 664.176 | ug/l # | 92     |
| 12) 1,1-Dichloroethene        | 3.11 | 96  | 686747   | 113.243 | ug/l   | 93     |
| 13) Acrolein                  | 3.02 | 56  | 49995    | 145.071 | ug/l   | 87     |
| 14) Allyl chloride            | 3.60 | 41  | 1159433  | 126.862 | ug/l   | 97     |
| 15) Acrylonitrile             | 4.19 | 53  | 650089   | 696.270 | ug/l   | 98     |
| 16) Acetone                   | 3.22 | 43  | 1250917  | 626.545 | ug/l   | 98     |
| 17) Carbon Disulfide          | 3.35 | 76  | 1948302  | 102.582 | ug/l   | 100    |
| 18) Methyl Acetate            | 3.63 | 43  | 328232   | 125.989 | ug/l # | 92     |
| 19) Methyl tert-butyl Ether   | 4.23 | 73  | 1820492  | 134.199 | ug/l   | 96     |
| 20) Methylene Chloride        | 3.80 | 84  | 791435   | 119.323 | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 4.20 | 96  | 792584   | 122.167 | ug/l   | 95     |
| 22) Diisopropyl ether         | 5.11 | 45  | 2546413  | 134.272 | ug/l   | 96     |
| 23) Vinyl Acetate             | 5.05 | 43  | 7943773  | 672.385 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 4.96 | 63  | 1553177  | 127.592 | ug/l   | 98     |
| 25) 2-Butanone                | 6.06 | 43  | 1173075  | 706.832 | ug/l   | 95     |
| 26) 2,2-Dichloropropane       | 6.01 | 77  | 1681509  | 129.805 | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.02 | 96  | 891118   | 126.523 | ug/l   | 97     |
| 28) Bromochloromethane        | 6.43 | 49  | 551629   | 126.815 | ug/l   | 95     |
| 29) Tetrahydrofuran           | 6.45 | 42  | 540766   | 693.063 | ug/l   | 97     |
| 30) Chloroform                | 6.65 | 83  | 1902449  | 128.739 | ug/l   | 100    |
| 31) Cyclohexane               | 6.94 | 56  | 966873   | 122.855 | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 6.86 | 97  | 1808792  | 118.930 | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 7.13 | 75  | 1243763  | 127.846 | ug/l   | 93     |
| 37) Ethyl Acetate             | 6.18 | 43  | 538859   | 118.120 | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.09 | 117 | 1867961m | 126.912 | ug/l   |        |

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 Operator : VA/AP  
 Sample : VSTDICC100  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDICC100

Manual Integrations  
 APPROVED

MMDadoda  
 7/16/2019 9:15:12 AM

Quant Time: Jul 16 07:46:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D071519S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 07:23:20 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 8.86  | 83   | 1034261  | 121.933  | ug/l   | 92       |
| 40) Benzene                    | 7.45  | 78   | 2595447  | 130.662  | ug/l   | 96       |
| 41) Methacrylonitrile          | 6.44  | 41   | 735586   | 139.418  | ug/l # | 90       |
| 42) 1,2-Dichloroethane         | 7.57  | 62   | 1401678  | 130.917  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 9.24  | 43   | 740873   | 139.405  | ug/l # | 100      |
| 44) Trichloroethene            | 8.53  | 130  | 1000220  | 130.307  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 8.93  | 63   | 649687   | 131.830  | ug/l   | 93       |
| 46) Dibromomethane             | 9.05  | 93   | 533993   | 125.196  | ug/l   | 93       |
| 47) Bromodichloromethane       | 9.37  | 83   | 1430267  | 130.680  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.11  | 41   | 484622   | 129.244  | ug/l   | 91       |
| 49) 1,4-Dioxane                | 9.07  | 88   | 90306    | 2838.043 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone       | 10.30 | 43   | 2502557  | 662.643  | ug/l   | 100      |
| 52) Toluene                    | 10.50 | 92   | 1716569  | 129.691  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.90 | 75   | 1279903  | 139.892  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.04 | 75   | 1286461  | 130.385  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 11.18 | 97   | 588336   | 127.012  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 11.03 | 69   | 668499   | 134.779  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 11.40 | 76   | 891538   | 127.848  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether  | 9.85  | 63   | 1773380  | 669.215  | ug/l   | 100      |
| 59) 2-Hexanone                 | 11.53 | 43   | 1986557  | 727.994  | ug/l   | 94       |
| 60) Dibromochloromethane       | 11.68 | 129  | 1182805  | 136.879  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.80 | 107  | 720668   | 132.862  | ug/l   | 95       |
| 64) Tetrachloroethene          | 11.25 | 164  | 825592   | 113.111  | ug/l   | 97       |
| 65) Chlorobenzene              | 12.39 | 112  | 2077620  | 124.078  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.51 | 131  | 1029537  | 131.824  | ug/l   | 98       |
| 67) Ethyl Benzene              | 12.52 | 91   | 3683550  | 123.108  | ug/l   | 96       |
| 68) m/p-Xylenes                | 12.67 | 106  | 2619368  | 252.947  | ug/l   | 97       |
| 69) o-Xylene                   | 13.05 | 106  | 1242302  | 130.146  | ug/l   | 97       |
| 70) Styrene                    | 13.07 | 104  | 2168291  | 128.165  | ug/l   | 99       |
| 71) Bromoform                  | 13.23 | 173  | 712304   | 131.502  | ug/l   | 99       |
| 73) Isopropylbenzene           | 13.40 | 105  | 3861519  | 130.344  | ug/l   | 100      |
| 74) N-amyl acetate             | 13.27 | 43   | 1087947  | 146.752  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.70 | 83   | 708307   | 141.200  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane     | 13.73 | 75   | 763508   | 138.550  | ug/l   | 100      |
| 77) Bromobenzene               | 13.67 | 156  | 1100886  | 137.176  | ug/l   | 98       |
| 78) n-propylbenzene            | 13.77 | 91   | 4073767  | 116.369  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 13.84 | 91   | 2674142  | 134.192  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 13.93 | 105  | 3315561  | 132.225  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 13.47 | 75   | 208068   | 144.440  | ug/l   | 86       |
| 82) 4-Chlorotoluene            | 13.95 | 91   | 3081687  | 128.684  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 14.18 | 119  | 3768477  | 133.943  | ug/l   | 88       |
| 84) 1,2,4-Trimethylbenzene     | 14.23 | 105  | 3279005  | 128.479  | ug/l   | 96       |
| 85) sec-Butylbenzene           | 14.37 | 105  | 3862071  | 126.705  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 14.49 | 119  | 3479374  | 126.558  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 14.45 | 146  | 1869486  | 130.231  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 1827142  | 127.220  | ug/l   | 97       |
| 89) n-Butylbenzene             | 14.79 | 91   | 3343789  | 128.187  | ug/l   | 98       |
| 90) Hexachloroethane           | 15.00 | 117  | 1006361  | 134.722  | ug/l   | 69       |
| 91) 1,2-Dichlorobenzene        | 14.80 | 146  | 1606807  | 128.867  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.37 | 75   | 142035   | 146.961  | ug/l   | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\  
Data File : VD063080.D  
Acq On : 15 Jul 2019 13:26  
Operator : VA/AP  
Sample : VSTDICC100  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

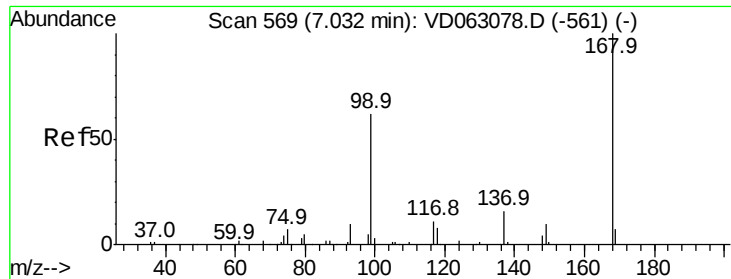
MMDadoda  
7/16/2019 9:15:12 AM

Quant Time: Jul 16 07:46:48 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D071519S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 16 07:23:20 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.94 | 180  | 1307067  | 133.564 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 16.03 | 225  | 937770   | 126.720 | ug/l  | 99       |
| 95) Naphthalene            | 16.12 | 128  | 1894193  | 139.779 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 16.27 | 180  | 1017711  | 134.080 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 770401

Ion Ratio Lower Upper

168 100

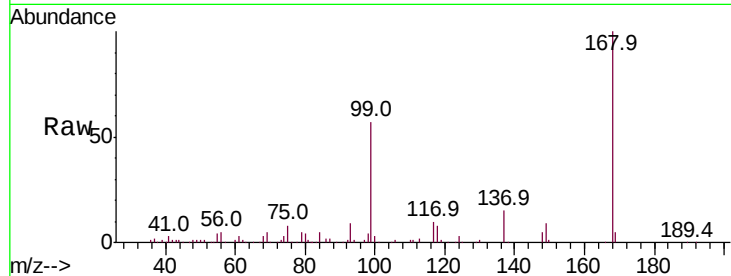
99 56.7 50.8 76.2

Manual Integrations

APPROVED

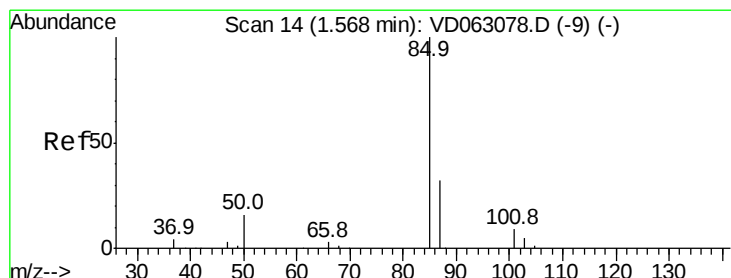
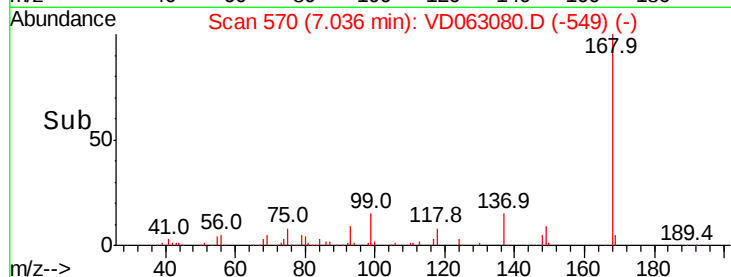
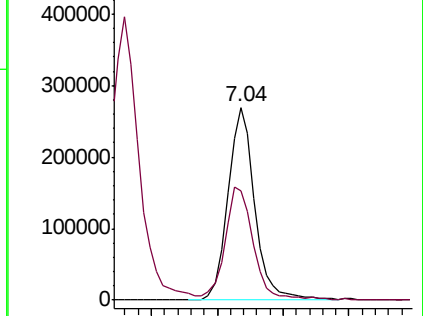
MMDadoda

7/16/2019 9:15:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 94.022 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063080.D

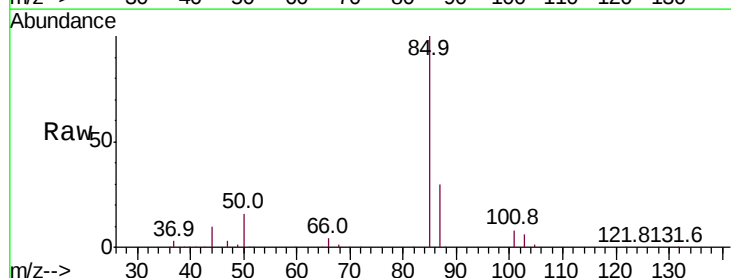
Acq: 15 Jul 2019 13:26

Tgt Ion: 85 Resp: 912154

Ion Ratio Lower Upper

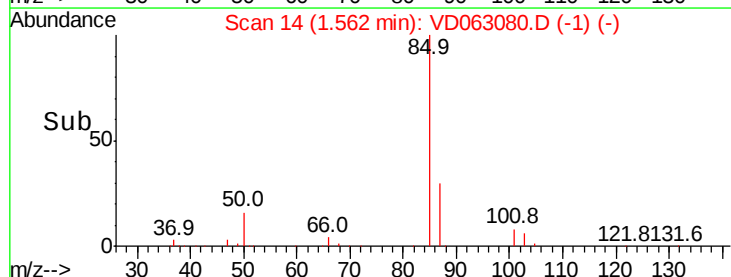
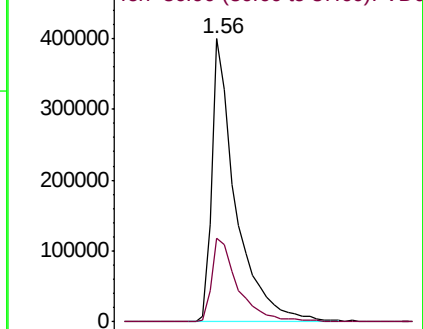
85 100

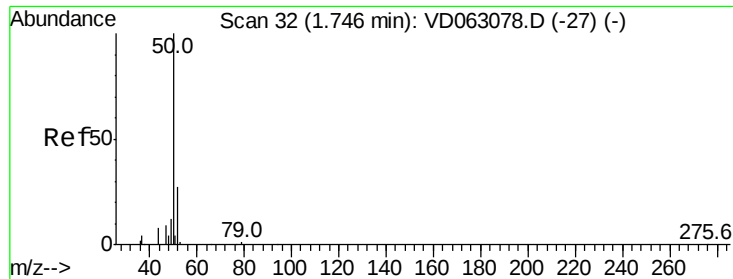
87 29.8 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 94.055 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 697338

Ion Ratio Lower Upper

50 100

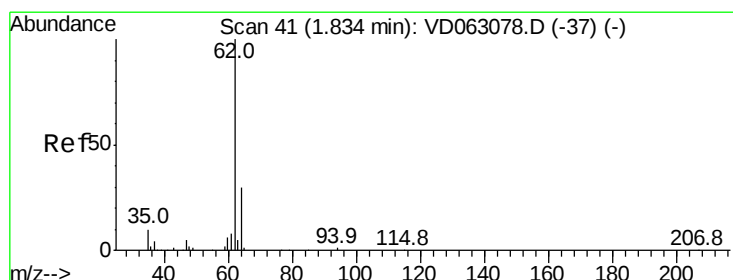
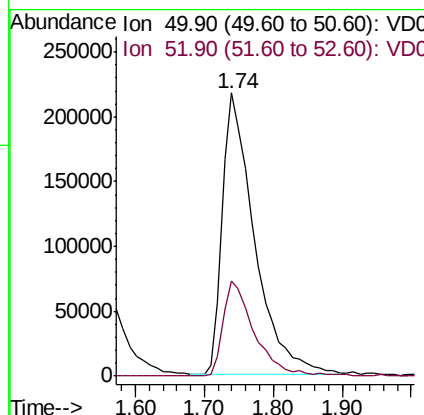
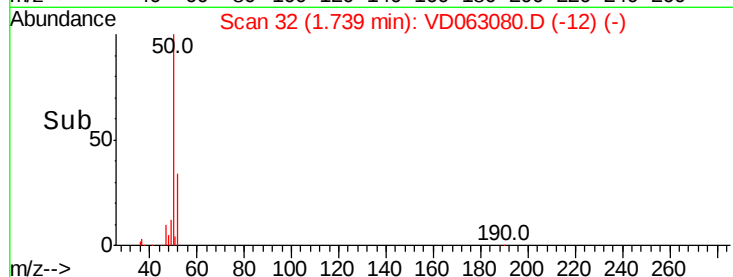
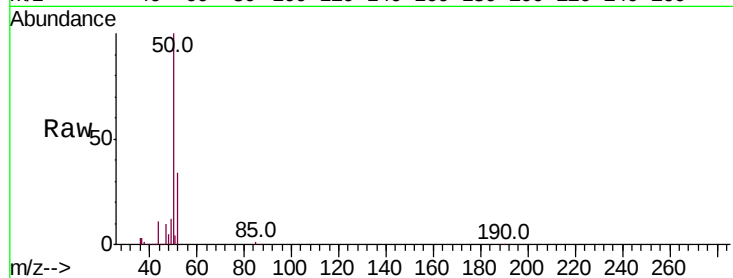
52 33.8 21.4 32.2#

Manual Integrations

APPROVED

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7/16/2019 9:15:12 AM



#4

Vinyl Chloride

Concen: 105.088 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063080.D

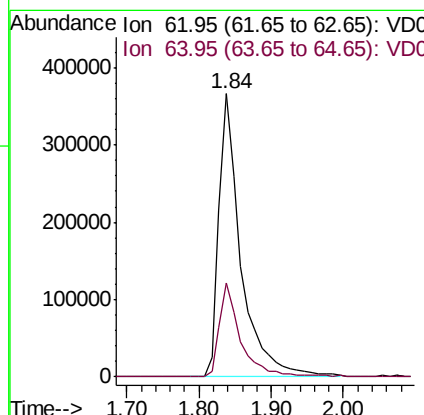
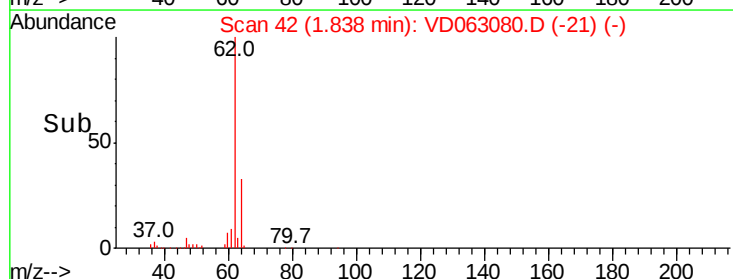
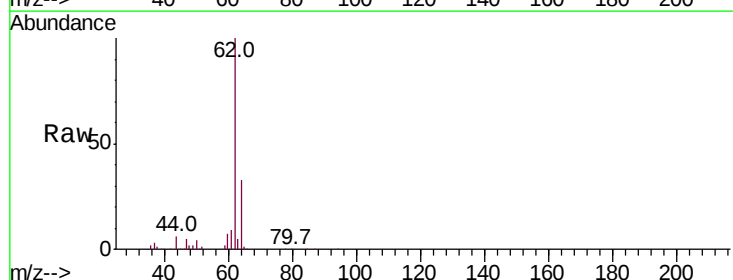
Acq: 15 Jul 2019 13:26

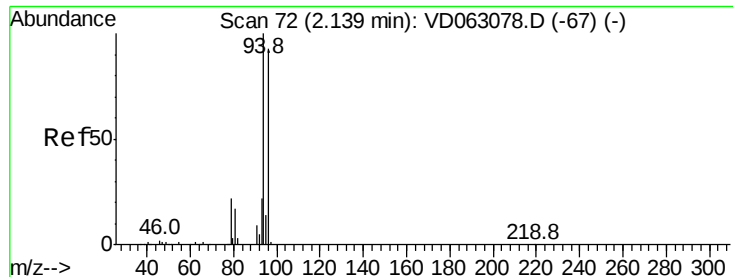
Tgt Ion: 62 Resp: 771189

Ion Ratio Lower Upper

62 100

64 33.3 24.4 36.6





#5

Bromomethane

Concen: 93.246 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

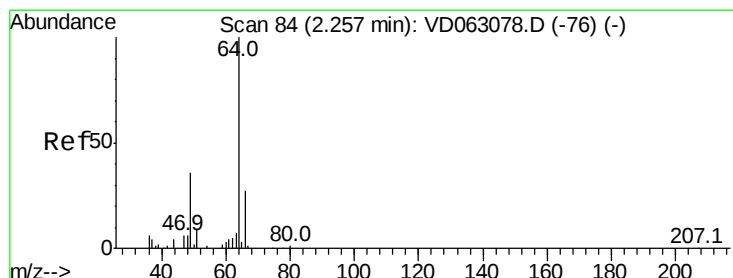
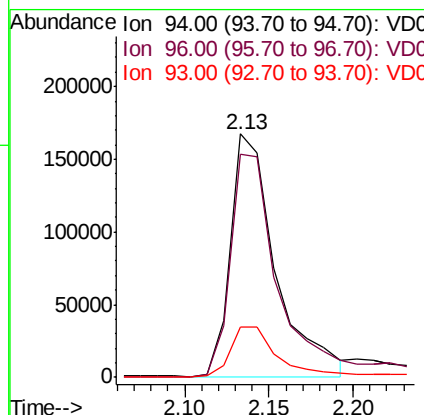
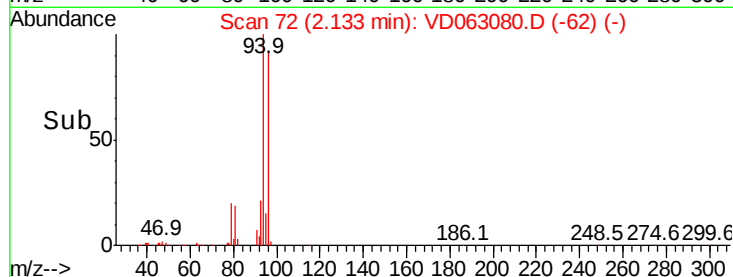
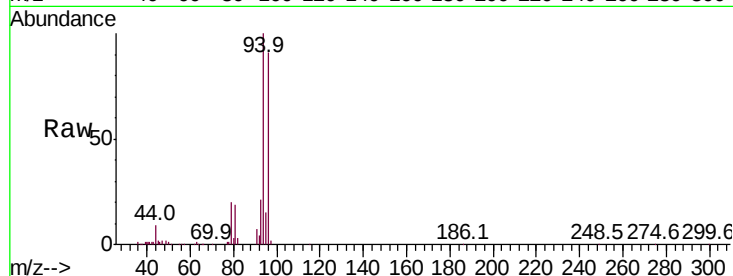
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 94    | Resp: | 311955 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 96       | 91.4  | 74.2  | 111.2  |
| 93       | 20.5  | 17.8  | 26.6   |

Manual Integrations  
APPROVED

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7/16/2019 9:15:12 AM



#6

Chloroethane

Concen: 98.738 ug/l

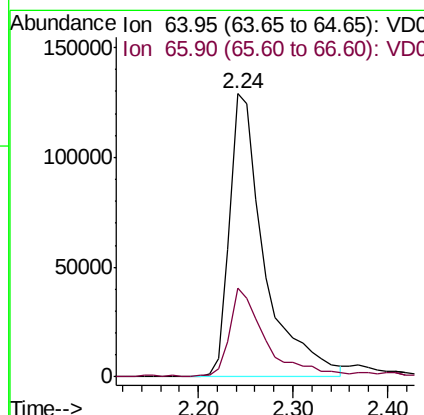
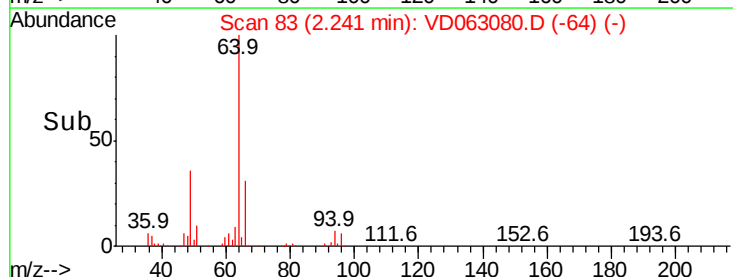
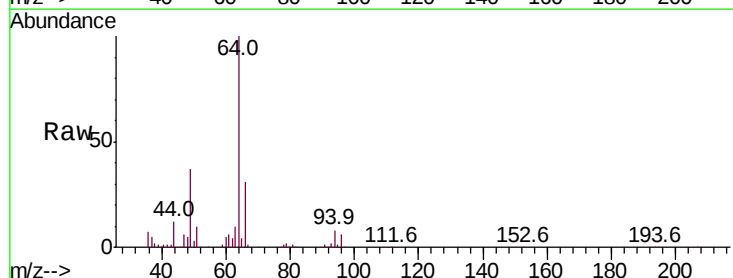
RT: 2.24 min Scan# 83

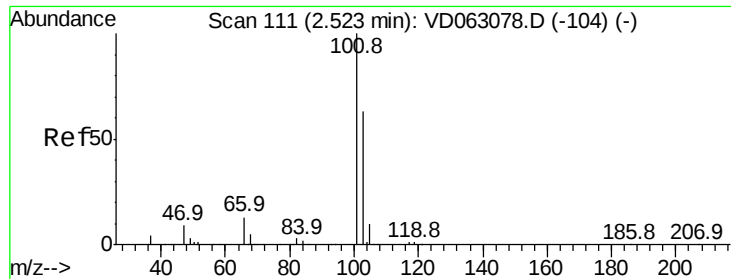
Delta R.T. -0.02 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 64    | Resp: | 330634 |
| Ion      | Ratio | Lower | Upper  |
| 64       | 100   |       |        |
| 66       | 31.4  | 22.5  | 33.7   |





#7

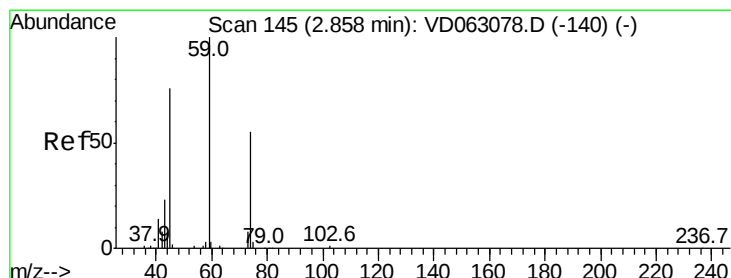
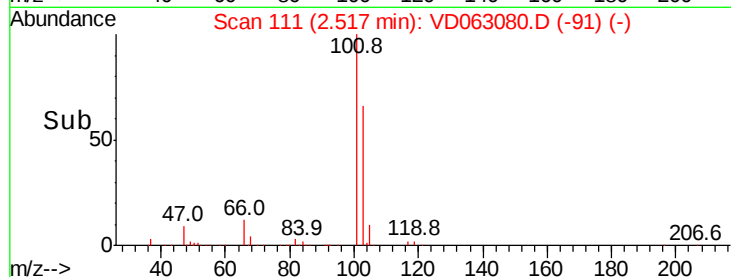
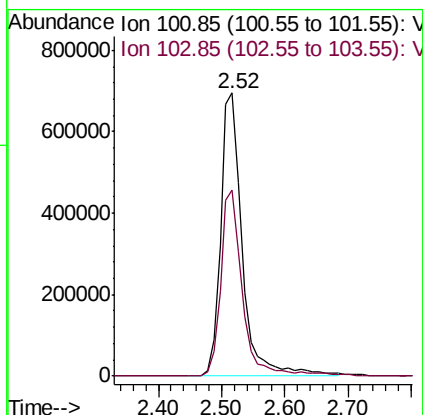
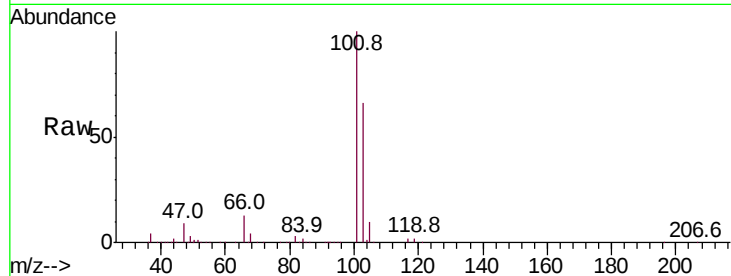
Trichlorofluoromethane  
Concen: 109.948 ug/l  
RT: 2.52 min Scan# 111  
Delta R.T. -0.01 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion:101 Resp: 1662668  
Ion Ratio Lower Upper  
101 100  
103 65.8 50.6 76.0

Manual Integrations  
APPROVED

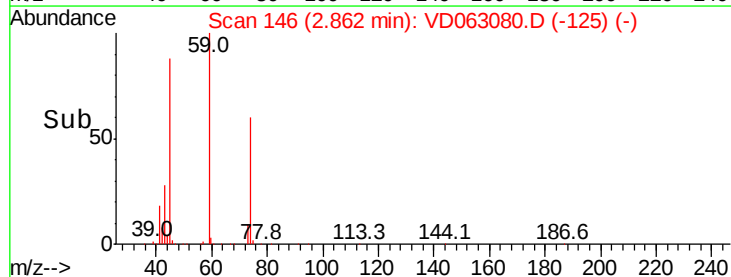
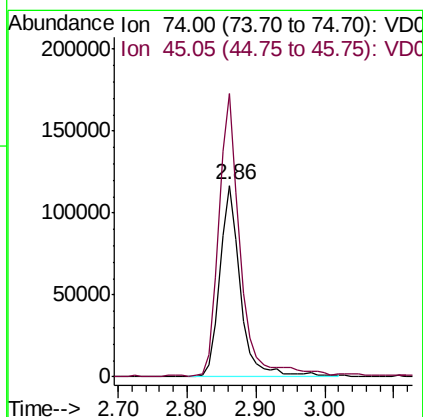
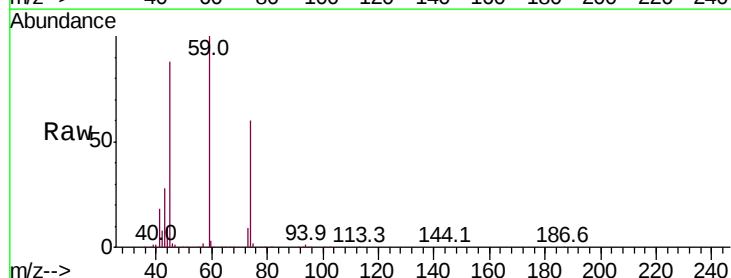
MMDadoda  
7/16/2019 9:15:12 AM

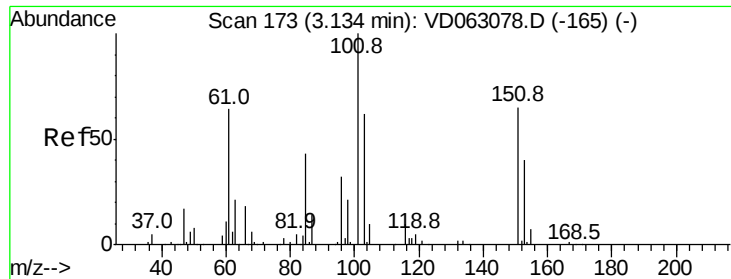


#8

Diethyl Ether  
Concen: 127.643 ug/l  
RT: 2.86 min Scan# 146  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Tgt Ion: 74 Resp: 243676  
Ion Ratio Lower Upper  
74 100  
45 147.7 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 117.788 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:101 Resp: 957196  
Ion Ratio Lower Upper

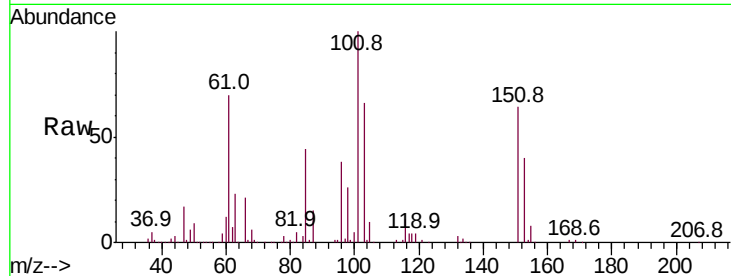
101 100

85 44.4 34.6 51.8

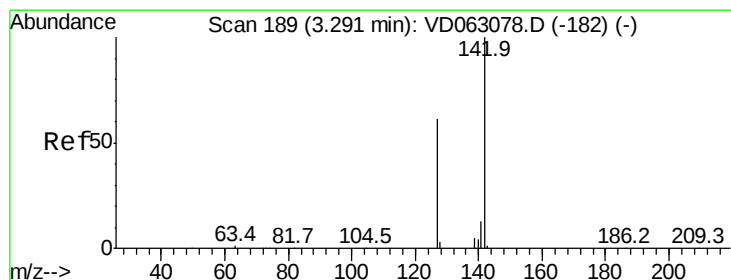
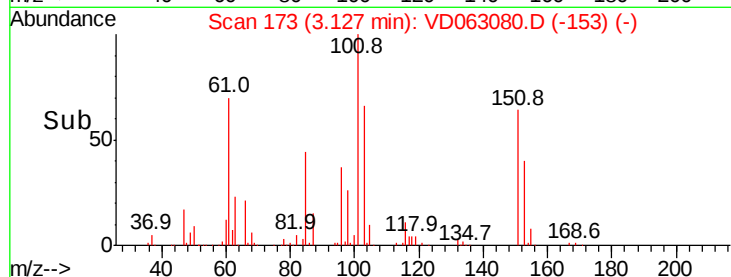
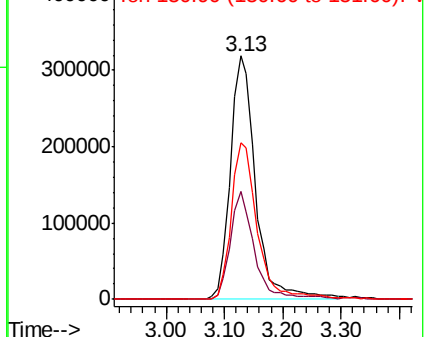
151 64.3 52.4 78.6

Manual Integrations  
APPROVED

MMDadoda  
7/16/2019 9:15:12 AM



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: 132.535 ug/l

RT: 3.28 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD063080.D

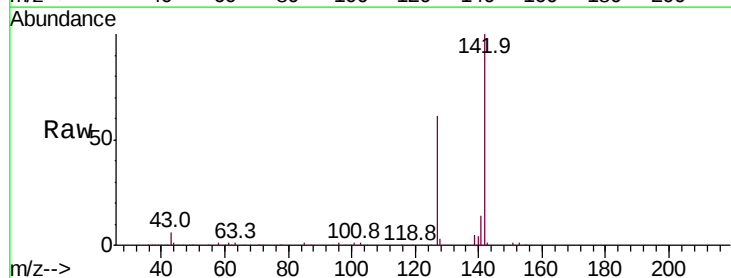
Acq: 15 Jul 2019 13:26

Tgt Ion:142 Resp: 1418487  
Ion Ratio Lower Upper

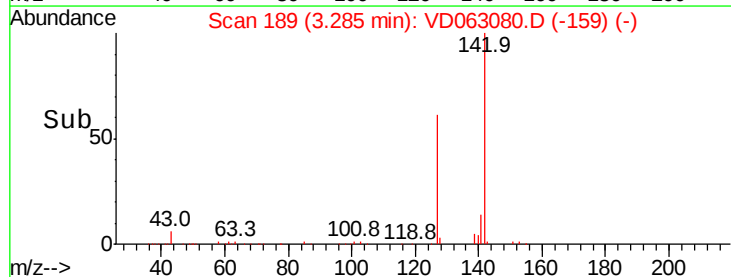
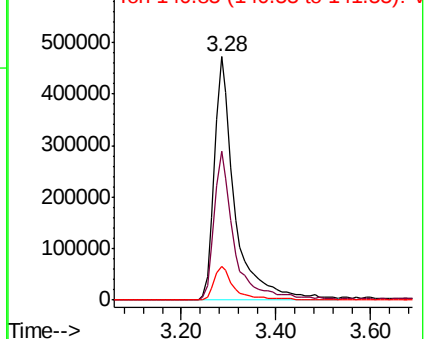
142 100

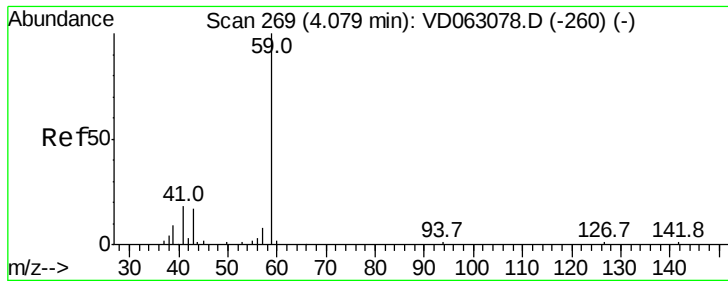
127 61.0 48.6 73.0

141 14.0 10.6 16.0



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

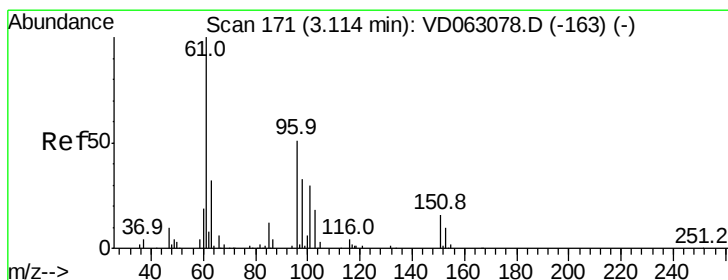
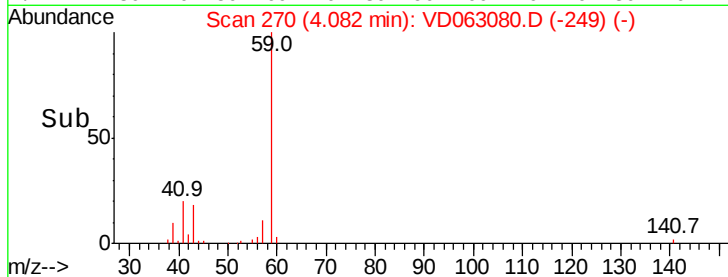
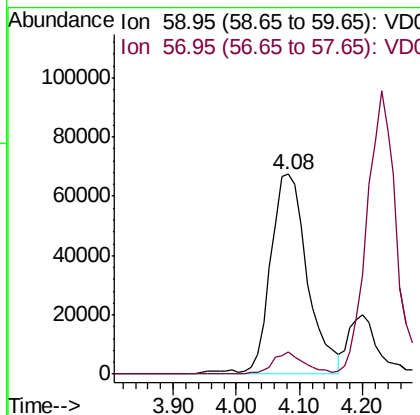
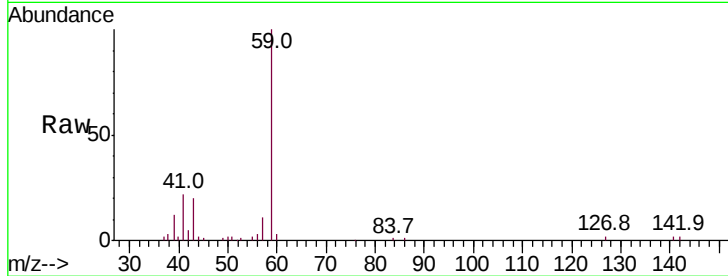
Tert butyl alcohol  
Concen: 664.176 ug/l  
RT: 4.08 min Scan# 270  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.9  | 6.4   | 9.6#  |

Manual Integrations  
APPROVED

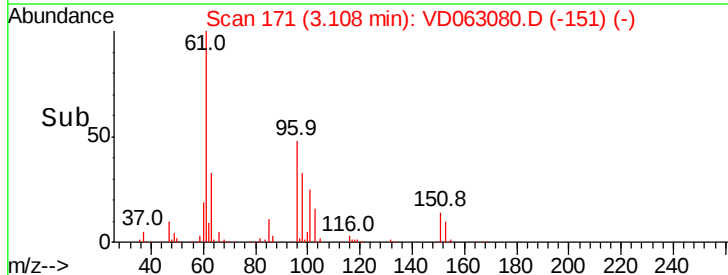
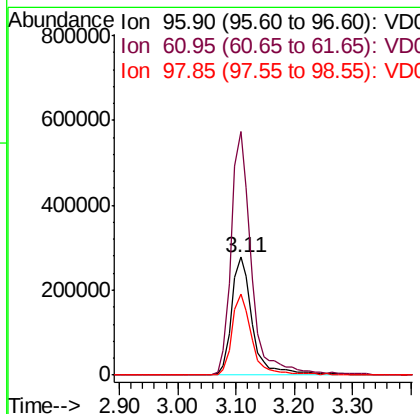
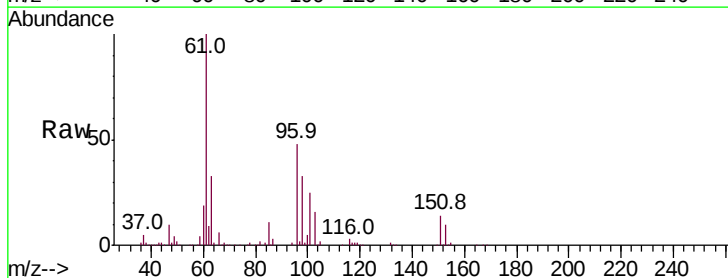
MMDadoda  
7/16/2019 9:15:12 AM

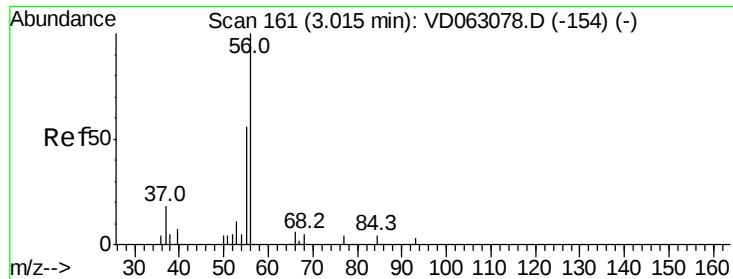


#12

1,1-Dichloroethene  
Concen: 113.243 ug/l  
RT: 3.11 min Scan# 171  
Delta R.T. -0.01 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 206.6 | 155.5 | 233.3 |
| 98      | 68.3  | 51.5  | 77.3  |





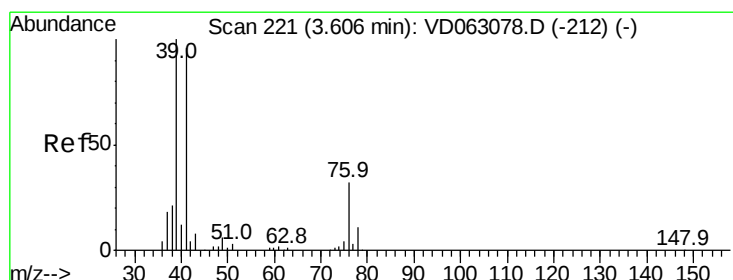
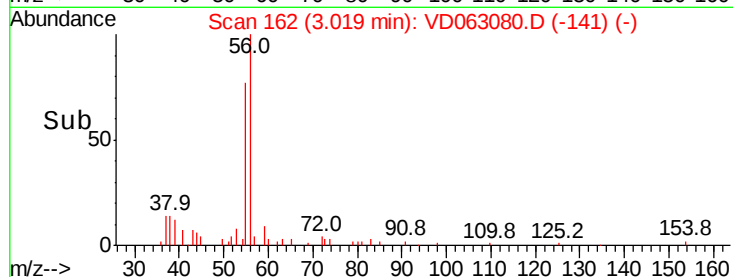
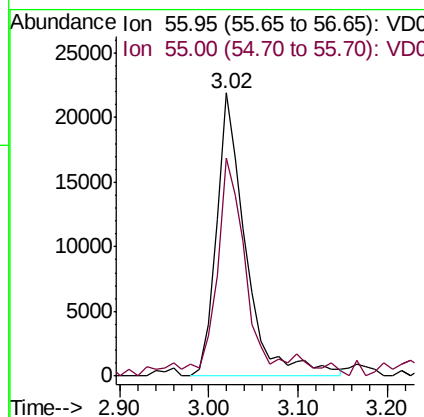
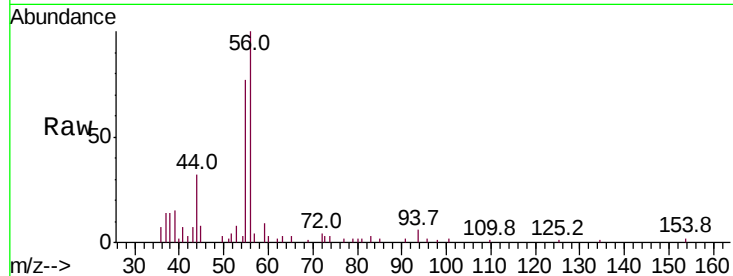
#13  
Acrolein  
Concen: 145.071 ug/l  
RT: 3.02 min Scan# 162  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion: 56 Resp: 49995  
Ion Ratio Lower Upper  
56 100  
55 76.9 53.0 79.4

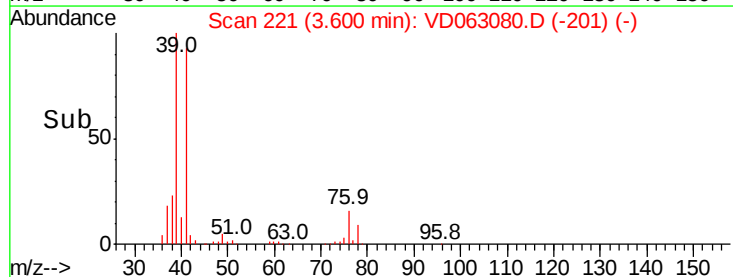
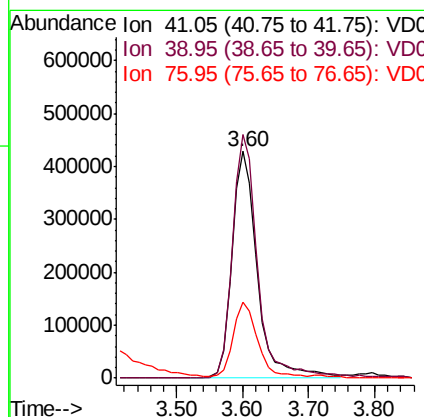
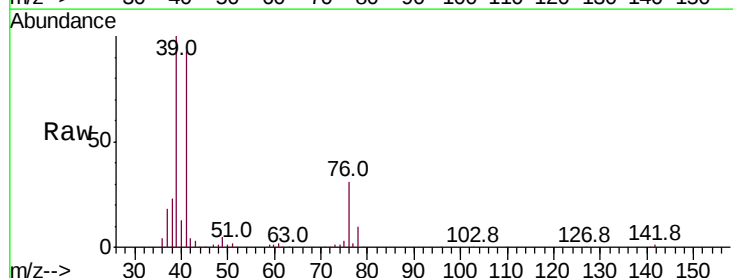
Manual Integrations  
APPROVED

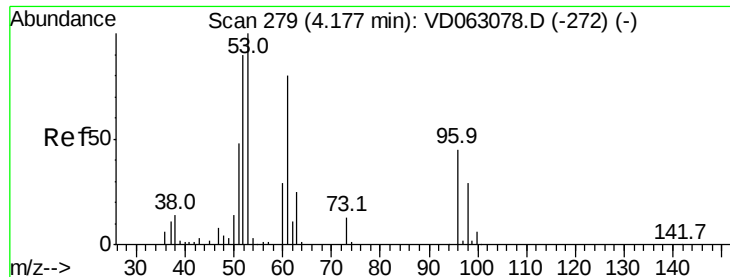
MMDadoda  
7/16/2019 9:15:12 AM



#14  
Allyl chloride  
Concen: 126.862 ug/l  
RT: 3.60 min Scan# 221  
Delta R.T. -0.01 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Tgt Ion: 41 Resp: 1159433  
Ion Ratio Lower Upper  
41 100  
39 107.5 83.5 125.3  
76 33.6 27.8 41.8





#15

Acrylonitrile

Concen: 696.270 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 650089

Ion Ratio Lower Upper

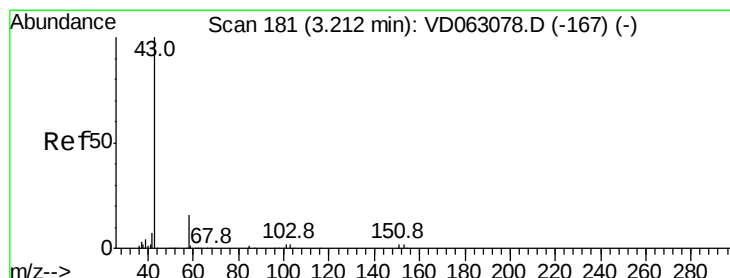
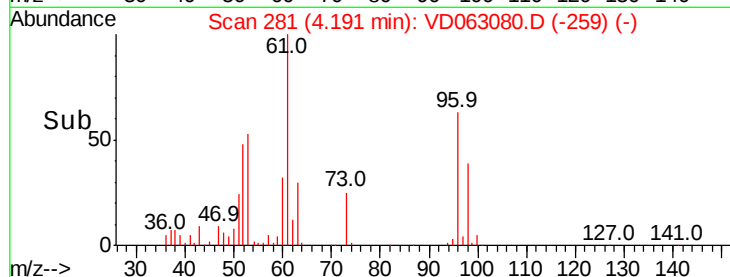
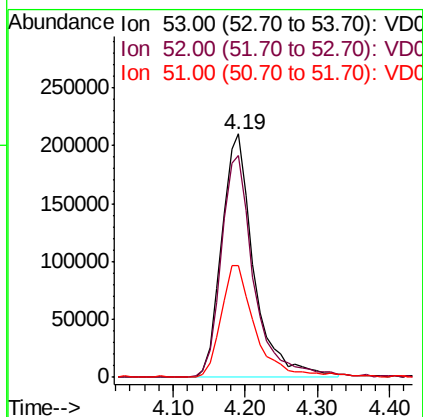
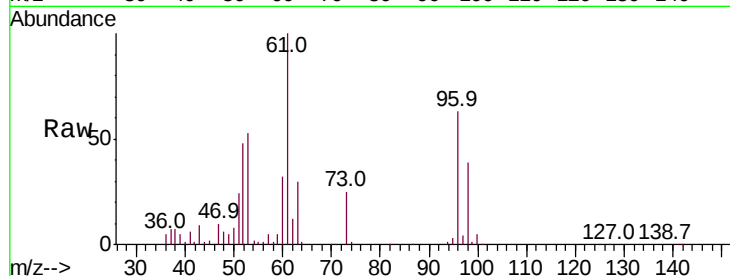
53 100

52 91.3 72.3 108.5

51 45.8 38.0 57.0

Manual Integrations  
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7/16/2019 9:15:12 AM



#16

Acetone

Concen: 626.545 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063080.D

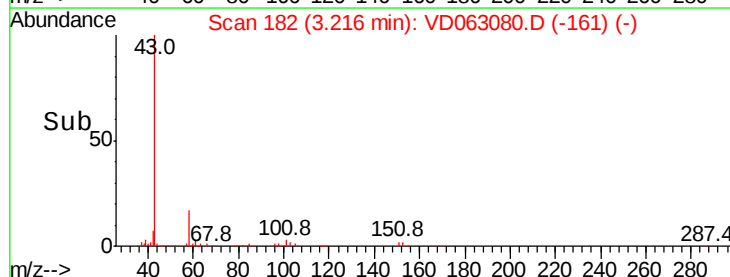
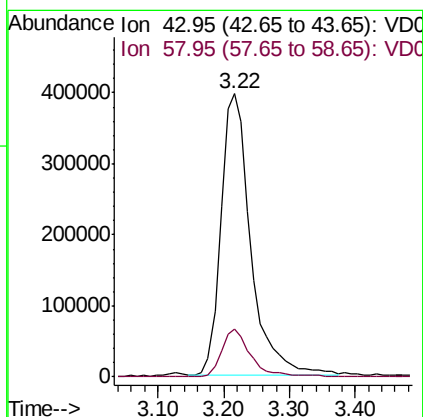
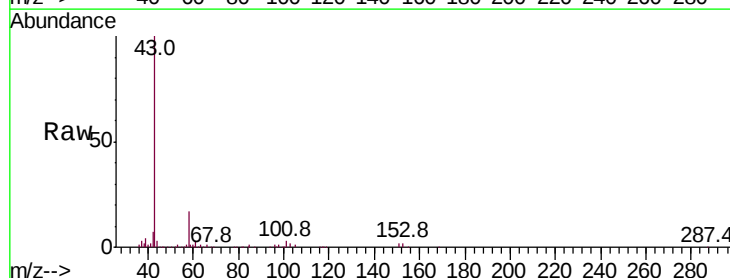
Acq: 15 Jul 2019 13:26

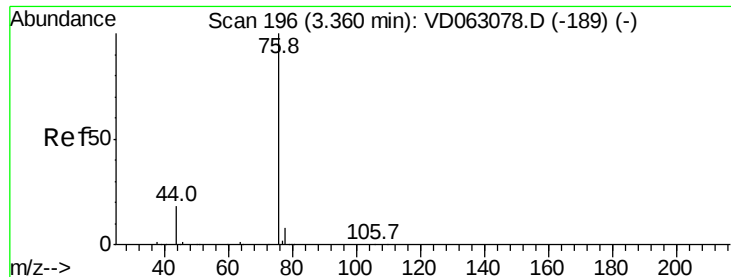
Tgt Ion: 43 Resp: 1250917

Ion Ratio Lower Upper

43 100

58 17.1 13.0 19.4





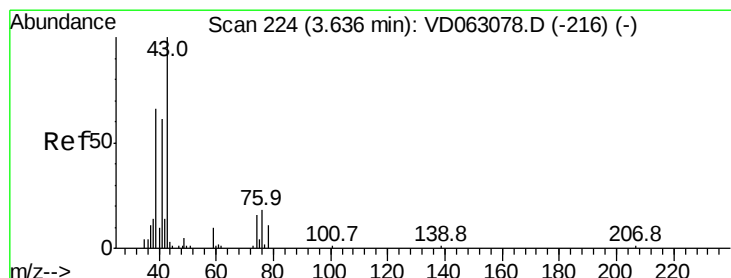
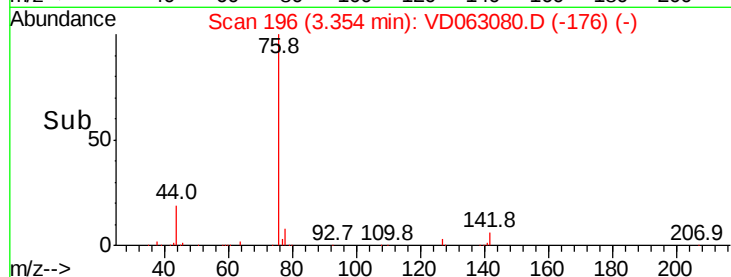
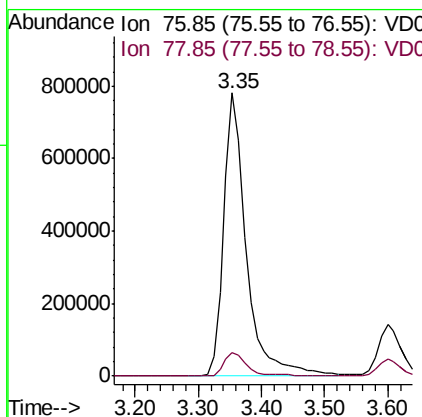
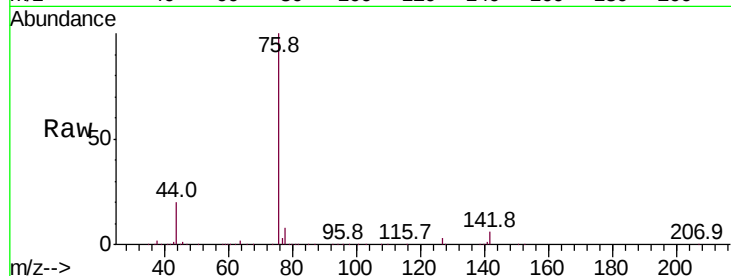
#17  
Carbon Disulfide  
Concen: 102.582 ug/l  
RT: 3.35 min Scan# 196  
Delta R.T. -0.01 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion: 76 Resp: 1948302  
Ion Ratio Lower Upper  
76 100  
78 8.3 6.7 10.1

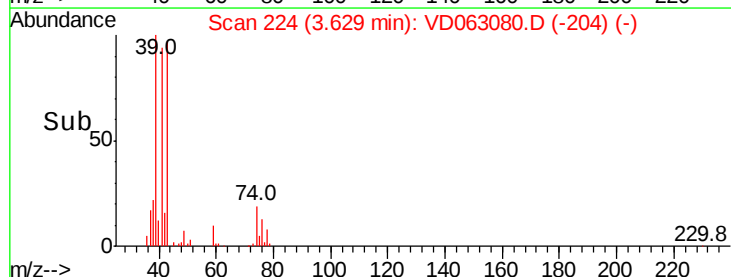
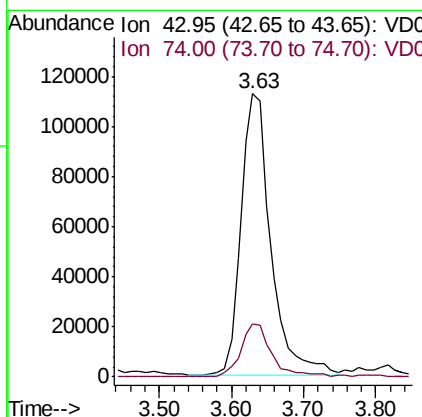
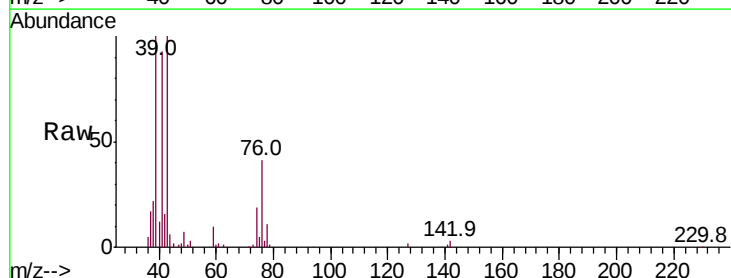
Manual Integrations  
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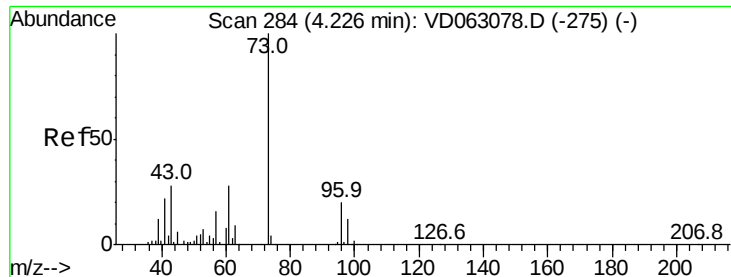
MMDadoda  
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#18  
Methyl Acetate  
Concen: 125.989 ug/l  
RT: 3.63 min Scan# 224  
Delta R.T. -0.01 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Tgt Ion: 43 Resp: 328232  
Ion Ratio Lower Upper  
43 100  
74 18.8 12.5 18.7#





#19

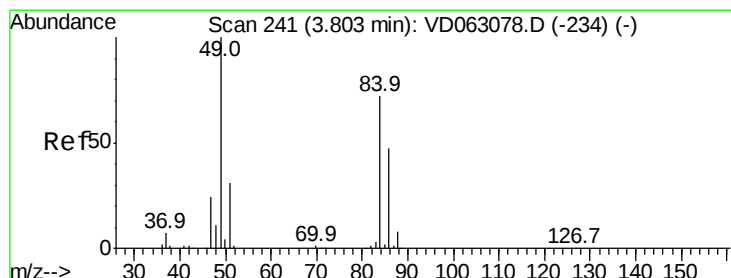
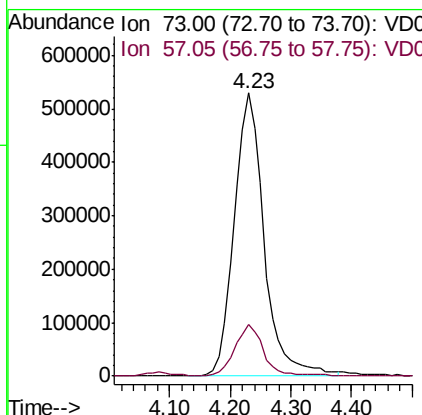
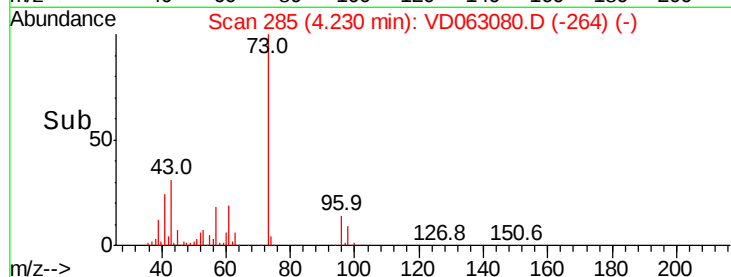
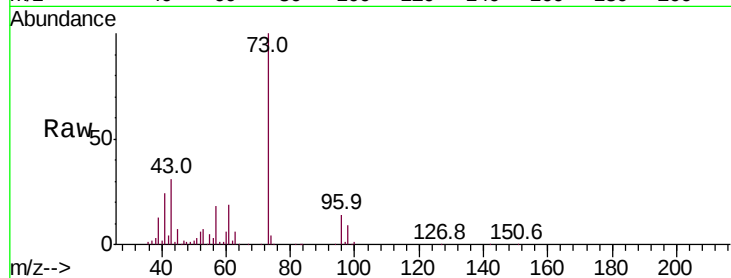
Methyl tert-butyl Ether  
 Concen: 134.199 ug/l  
 RT: 4.23 min Scan# 285  
 Delta R.T. 0.00 min  
 Lab File: VD063080.D  
 Acq: 15 Jul 2019 13:26

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

Tot Ion: 73 Resp: 1820492  
 Ion Ratio Lower Upper  
 73 100  
 57 18.0 13.1 19.7

Manual Integrations  
 APPROVED

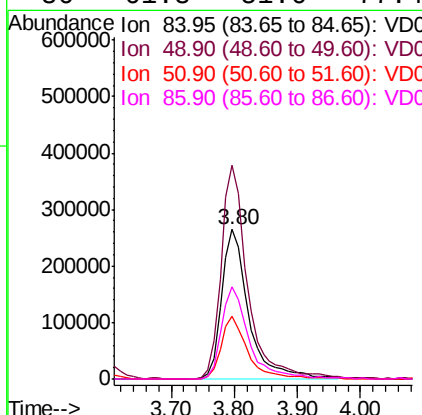
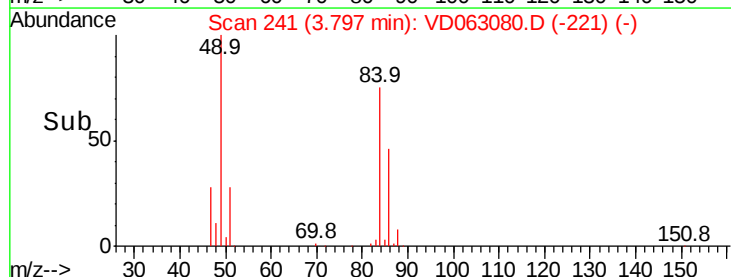
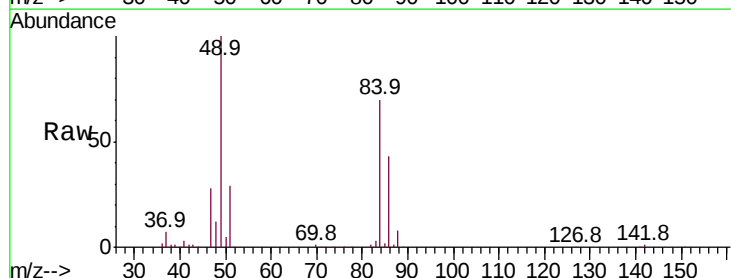
MMDadoda  
 7/16/2019 9:15:12 AM

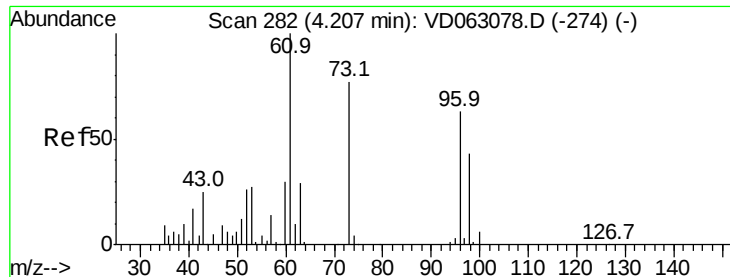


#20

Methylene Chloride  
 Concen: 119.323 ug/l  
 RT: 3.80 min Scan# 241  
 Delta R.T. -0.01 min  
 Lab File: VD063080.D  
 Acq: 15 Jul 2019 13:26

Tgt Ion: 84 Resp: 791435  
 Ion Ratio Lower Upper  
 84 100  
 49 142.8 110.5 165.7  
 51 41.8 34.6 51.8  
 86 61.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 122.167 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 792584

Ion Ratio Lower Upper

96 100

61 153.9 128.0 192.0

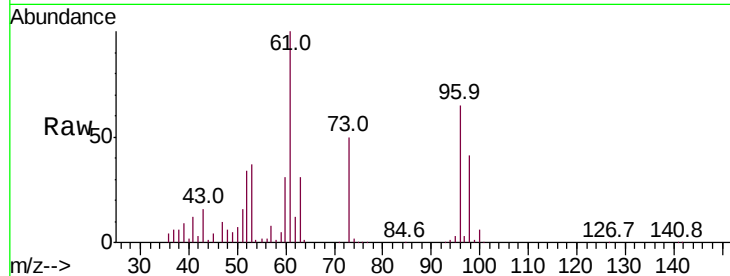
98 63.2 55.2 82.8

Manual Integrations

APPROVED

MMDadoda

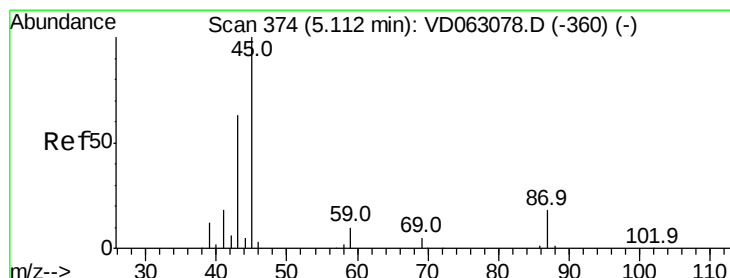
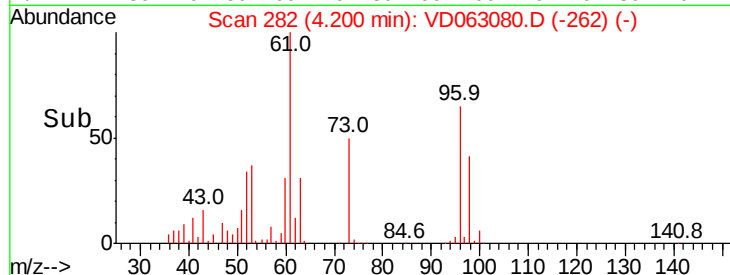
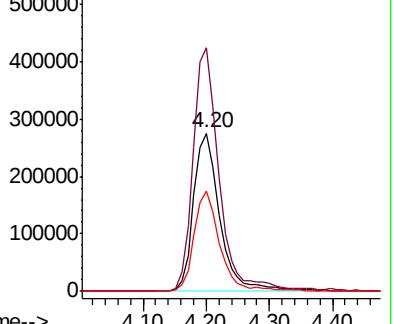
7/16/2019 9:15:12 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 134.272 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Tgt Ion: 45 Resp: 2546413

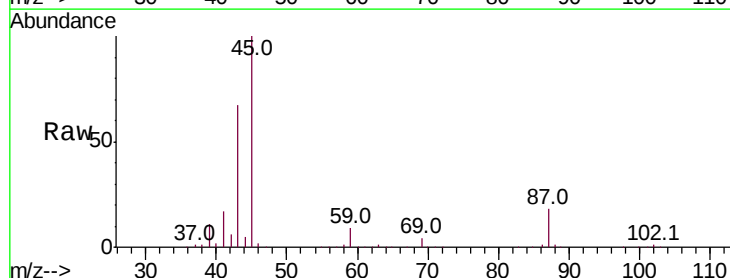
Ion Ratio Lower Upper

45 100

43 67.1 50.5 75.7

87 18.2 15.1 22.7

59 8.9 7.6 11.4

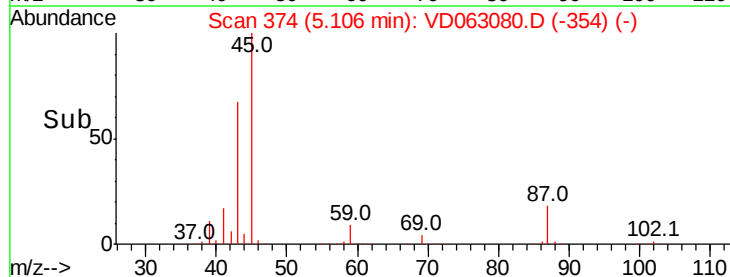
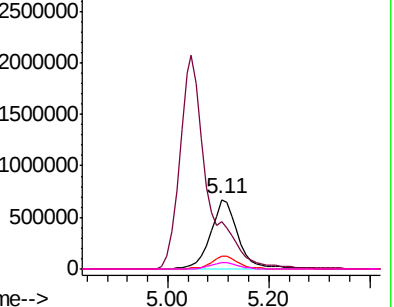


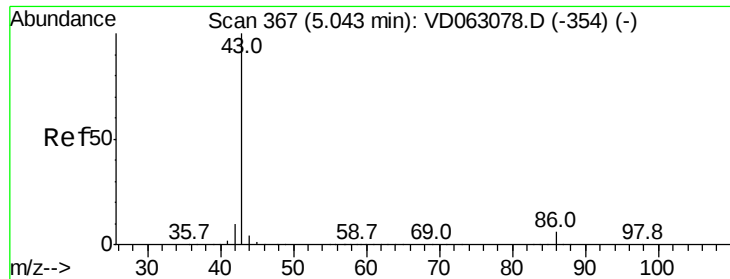
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





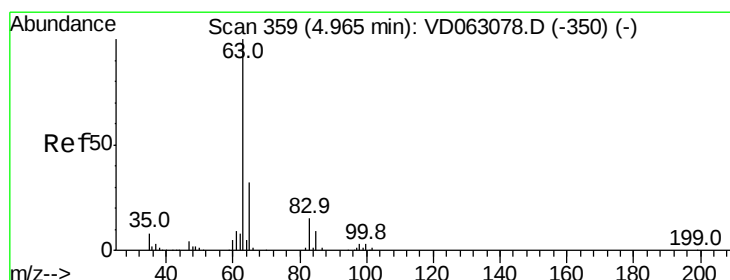
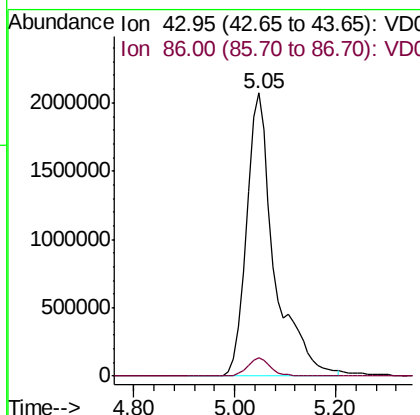
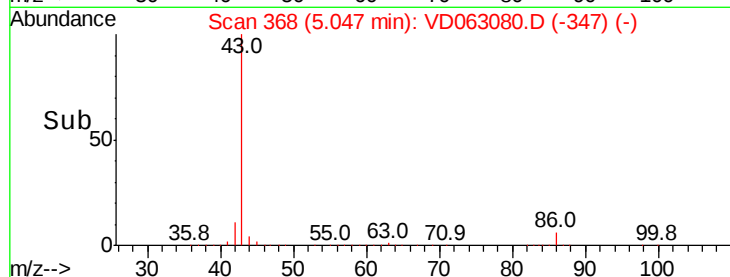
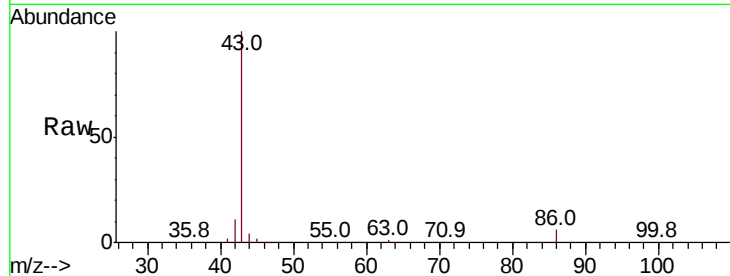
#23  
 Vinyl Acetate  
 Concen: 672.385 ug/l  
 RT: 5.05 min Scan# 368  
 Delta R.T. 0.00 min  
 Lab File: VD063080.D  
 Acq: 15 Jul 2019 13:26

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

Tot Ion: 43 Resp: 7943773  
 Ion Ratio Lower Upper  
 43 100  
 86 6.4 5.0 7.6

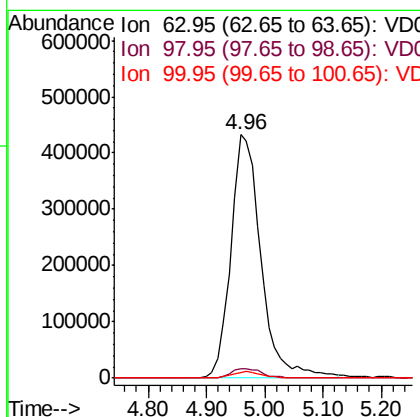
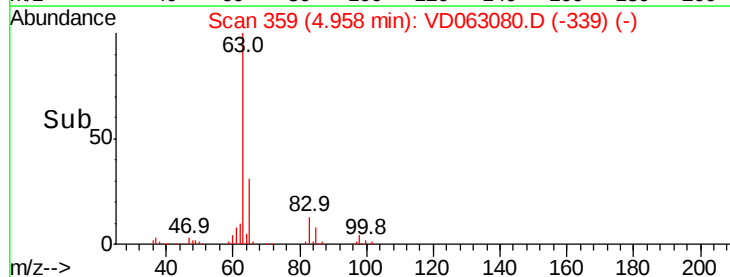
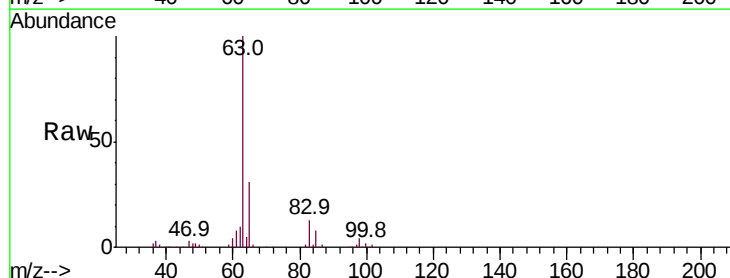
Manual Integrations  
 APPROVED

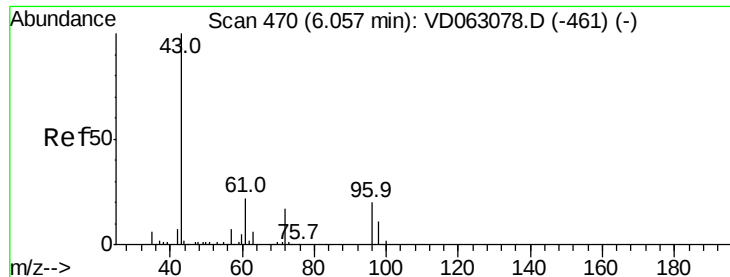
MMDadoda  
 7/16/2019 9:15:12 AM



#24  
 1,1-Dichloroethane  
 Concen: 127.592 ug/l  
 RT: 4.96 min Scan# 359  
 Delta R.T. -0.01 min  
 Lab File: VD063080.D  
 Acq: 15 Jul 2019 13:26

Tgt Ion: 63 Resp: 1553177  
 Ion Ratio Lower Upper  
 63 100  
 98 3.9 1.7 5.1  
 100 2.5 1.5 4.5





#25

2-Butanone

Concen: 706.832 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1173075

Ion Ratio Lower Upper

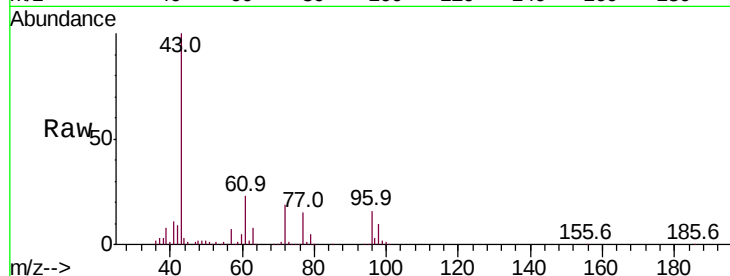
43 100

72 18.9 13.4 20.0

Manual Integrations  
APPROVED

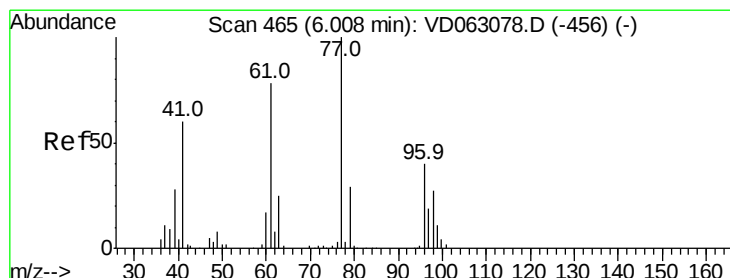
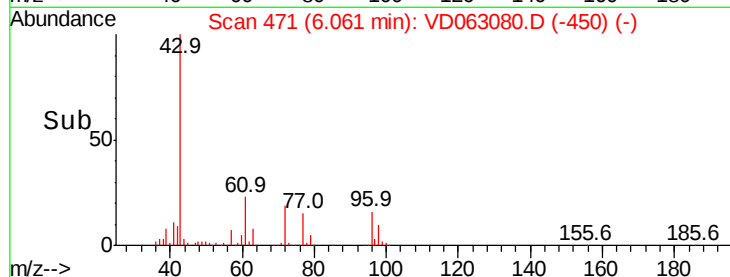
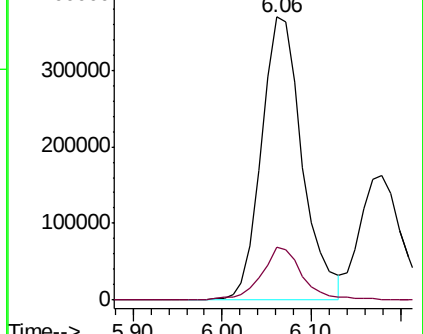
MMDadoda

7/16/2019 9:15:12 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 129.805 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063080.D

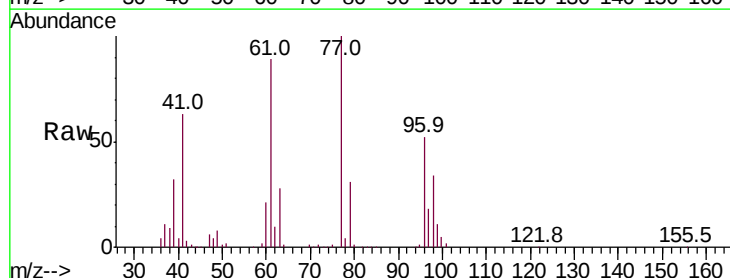
Acq: 15 Jul 2019 13:26

Tgt Ion: 77 Resp: 1681509

Ion Ratio Lower Upper

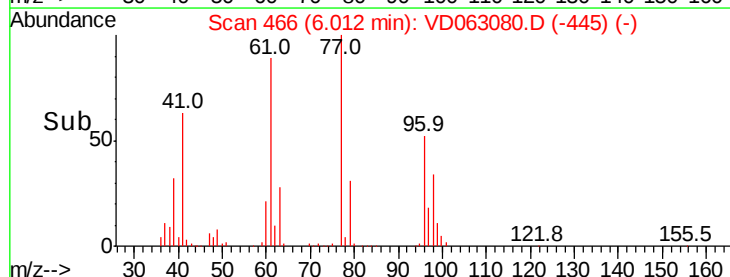
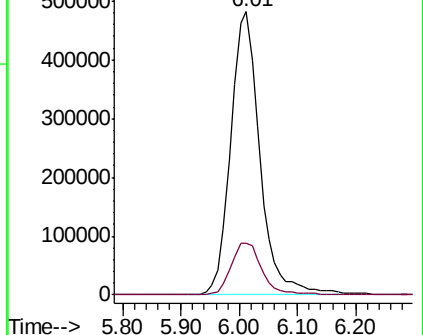
77 100

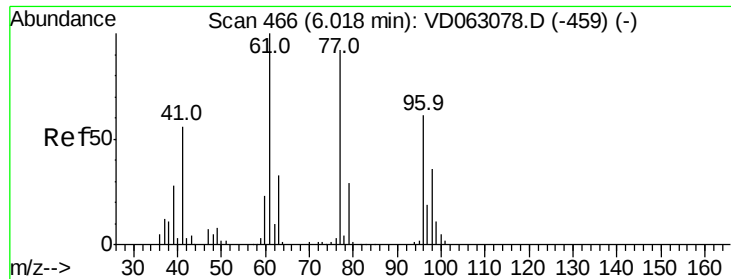
97 18.3 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

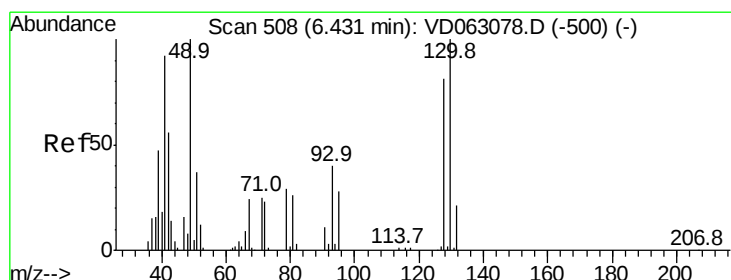
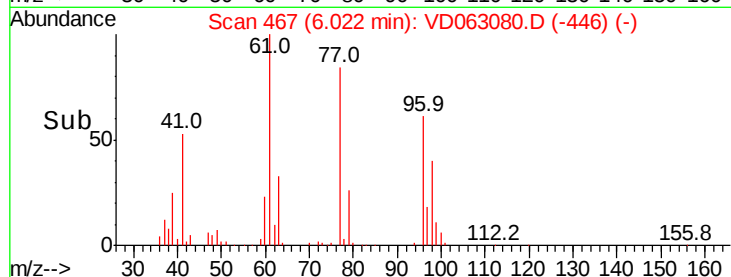
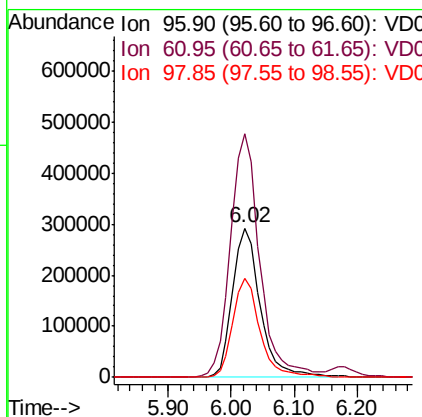
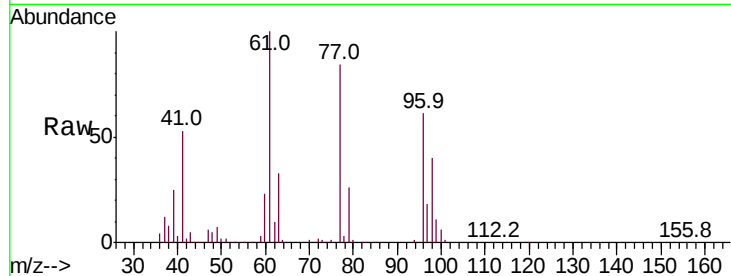
cis-1,2-Dichloroethene  
Concen: 126.523 ug/l  
RT: 6.02 min Scan# 467  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 891118 |       |       |
| 61      | 162.9 | 0.0    | 329.6 |       |
| 98      | 65.9  | 0.0    | 118.4 |       |

Manual Integrations  
APPROVED

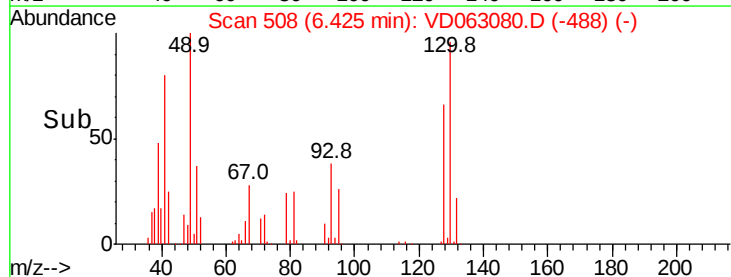
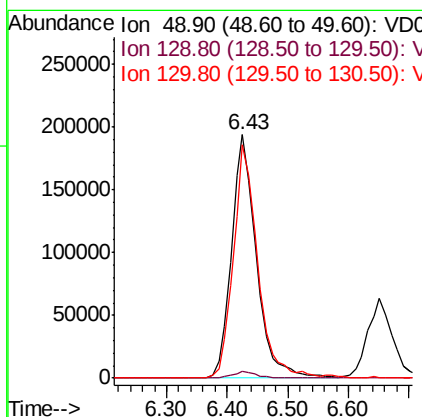
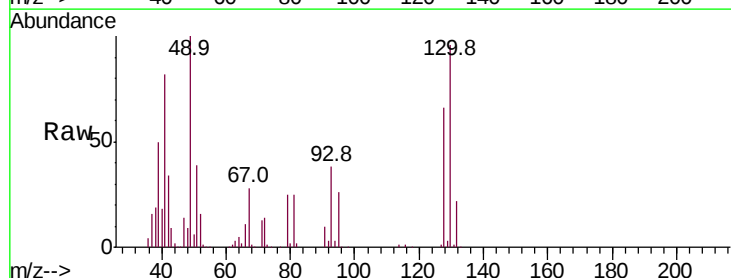
MMDadoda  
7/16/2019 9:15:12 AM

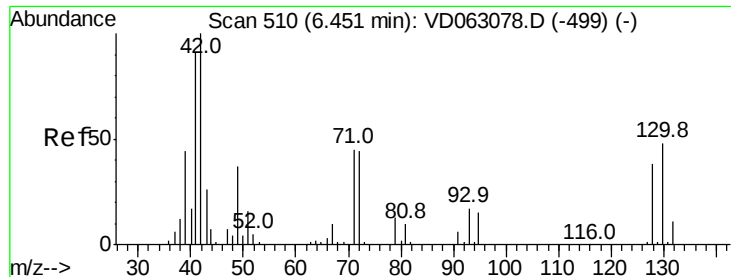


#28

Bromochloromethane  
Concen: 126.815 ug/l  
RT: 6.43 min Scan# 508  
Delta R.T. -0.01 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 551629 |       |       |
| 129     | 2.6   | 0.0    | 3.6   |       |
| 130     | 95.8  | 80.3   | 120.5 |       |





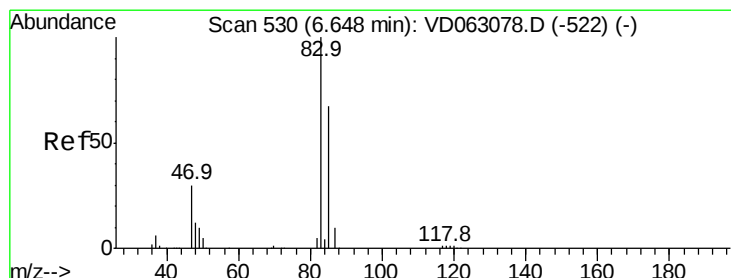
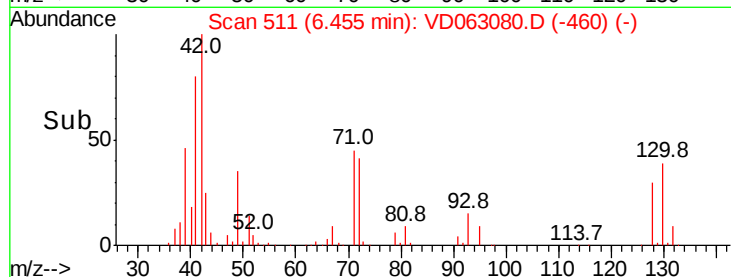
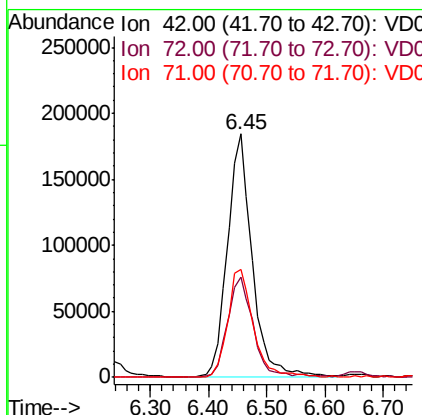
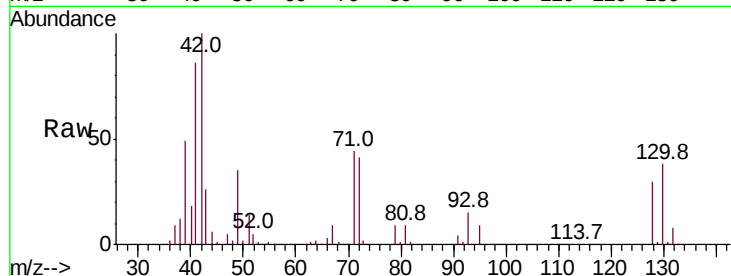
#29  
Tetrahydrofuran  
Concen: 693.063 ug/l  
RT: 6.45 min Scan# 511  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.1  | 33.7  | 50.5  |
| 71      | 46.1  | 34.2  | 51.2  |

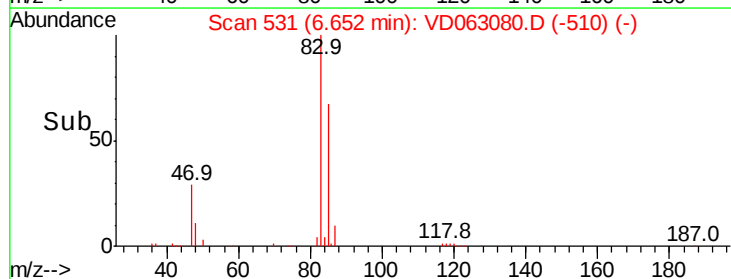
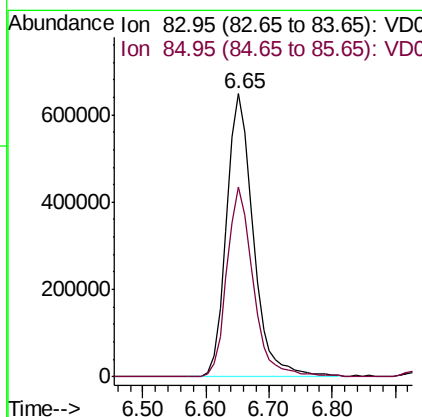
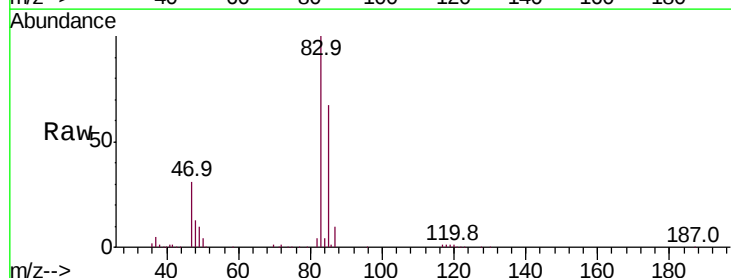
Manual Integrations  
APPROVED

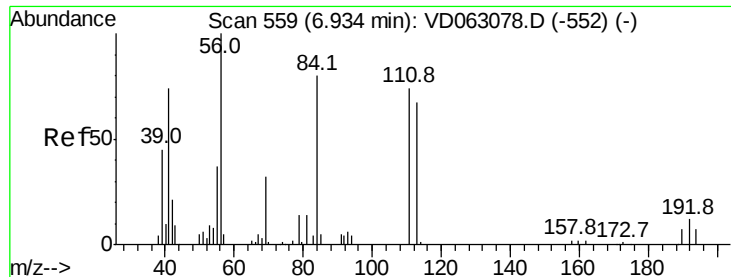
MMDadoda  
7/16/2019 9:15:12 AM



#30  
Chloroform  
Concen: 128.739 ug/l  
RT: 6.65 min Scan# 531  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 67.0  | 53.8  | 80.8  |





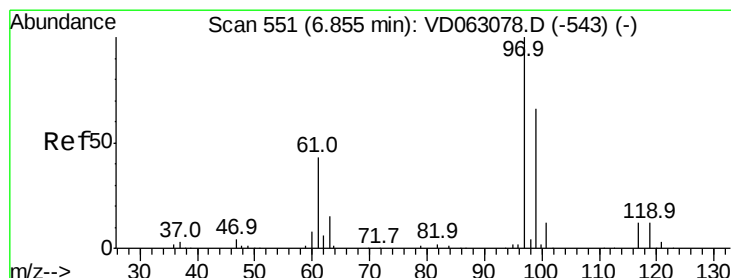
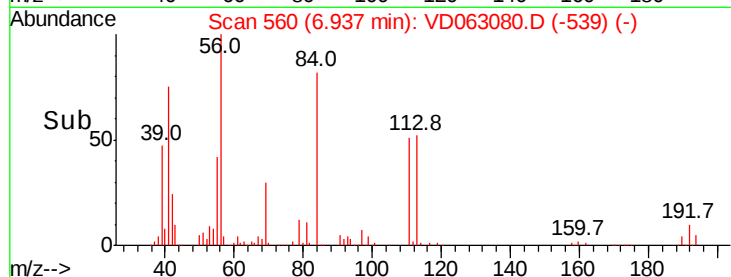
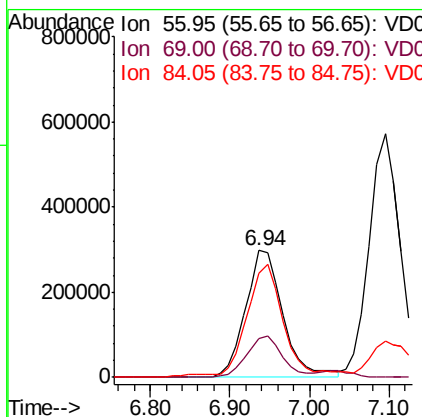
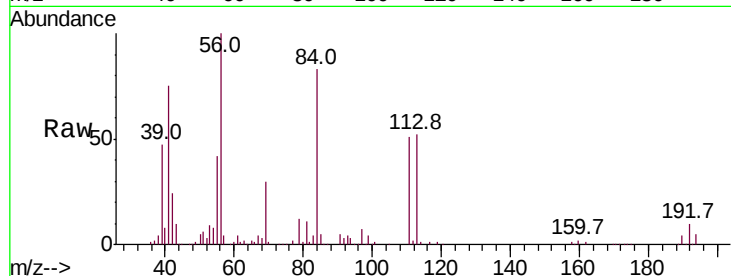
#31  
Cvclohexane  
Concen: 122.855 ug/l  
RT: 6.94 min Scan# 560  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.3  | 25.3  | 37.9  |
| 84      | 82.7  | 64.2  | 96.4  |

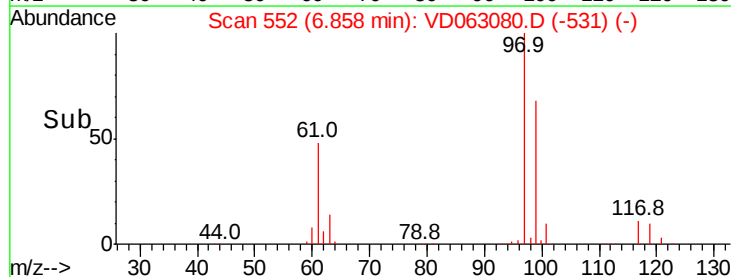
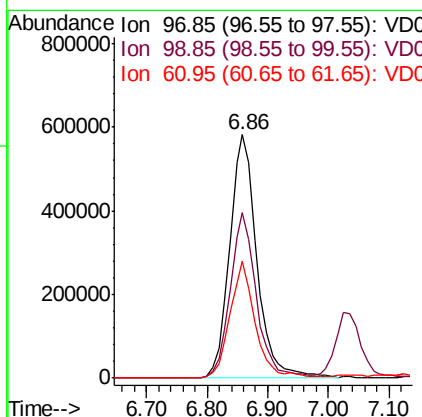
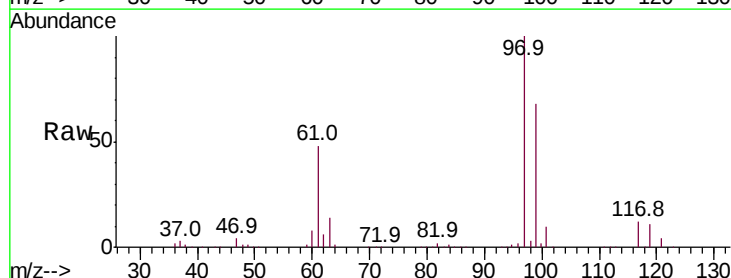
Manual Integrations  
APPROVED

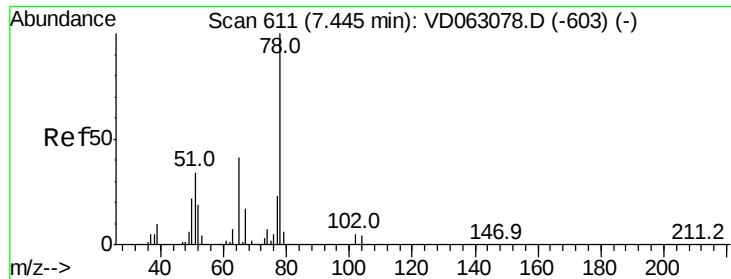
MMDadoda  
7/16/2019 9:15:12 AM



#32  
1,1,1-Trichloroethane  
Concen: 118.930 ug/l  
RT: 6.86 min Scan# 552  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 67.9  | 52.9  | 79.3  |
| 61      | 48.1  | 34.4  | 51.6  |





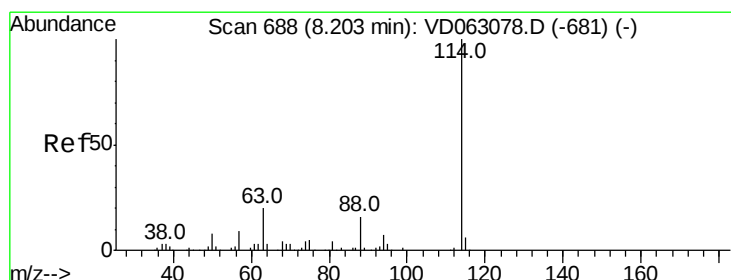
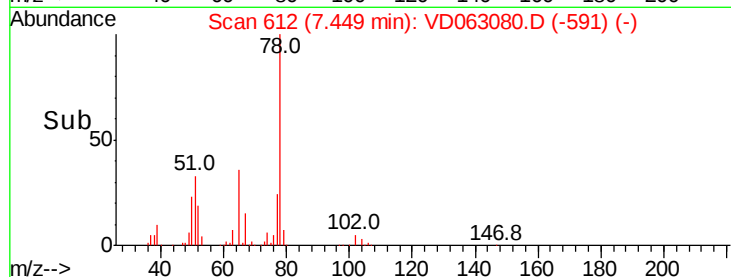
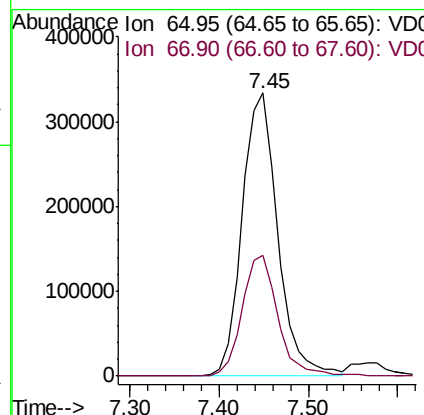
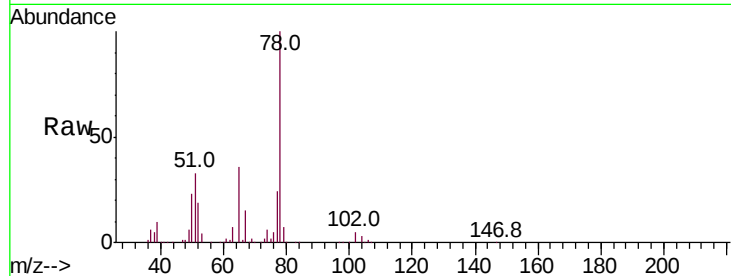
#33  
 1,2-Dichloroethane-d4  
 Concen: 107.261 ug/l  
 RT: 7.45 min Scan# 612  
 Delta R.T. 0.00 min  
 Lab File: VD063080.D  
 Acq: 15 Jul 2019 13:26

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 42.5  | 0.0   | 86.0  |

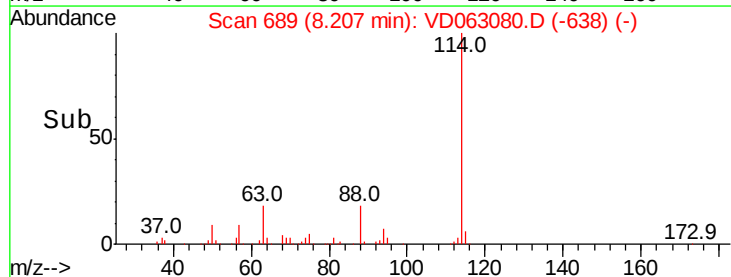
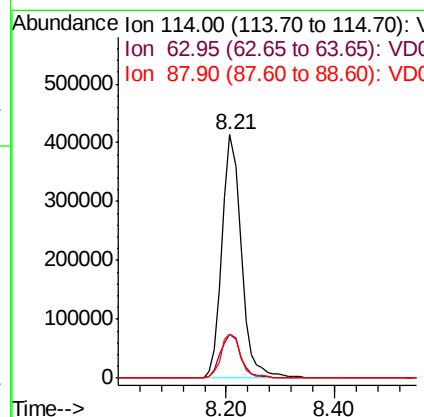
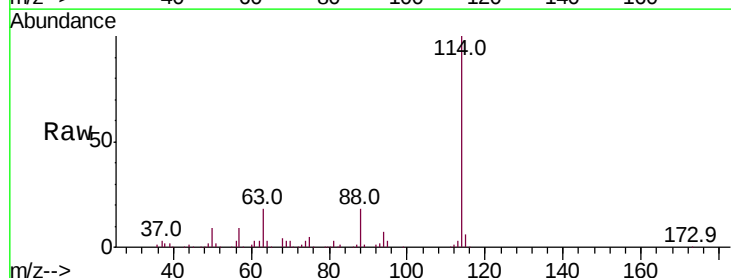
Manual Integrations  
 APPROVED

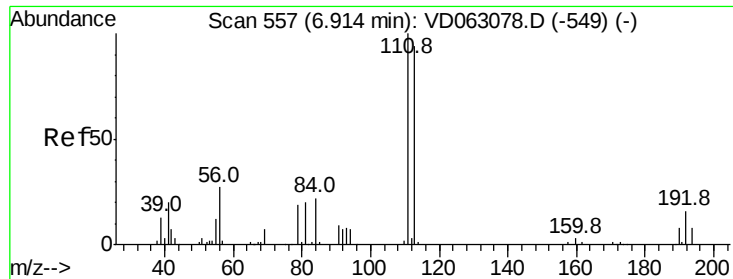
MMDadoda  
 7/16/2019 9:15:12 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.21 min Scan# 689  
 Delta R.T. 0.00 min  
 Lab File: VD063080.D  
 Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.3  | 0.0   | 40.6  |
| 88      | 18.1  | 0.0   | 32.6  |





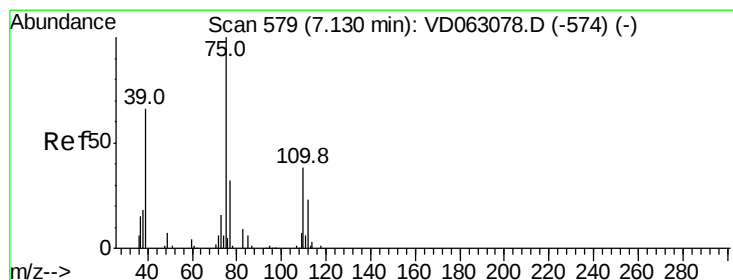
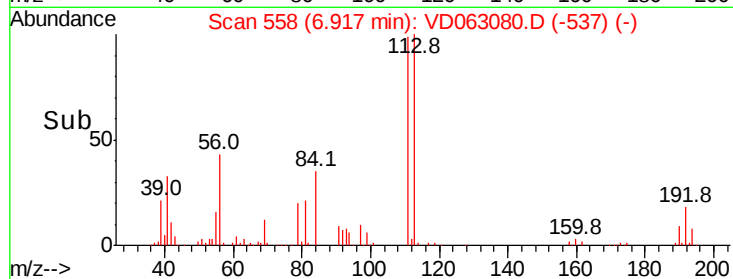
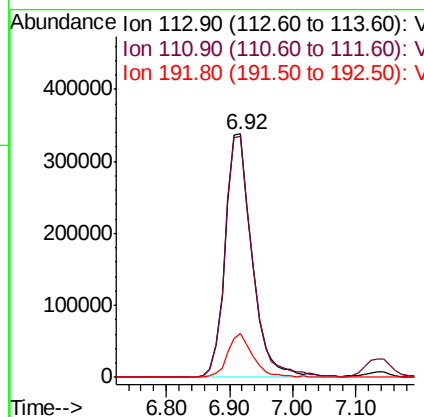
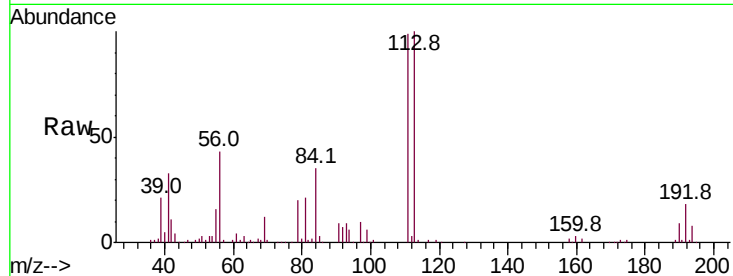
#35  
 Dibromofluoromethane  
 Concen: 112.059 ug/l  
 RT: 6.92 min Scan# 558  
 Delta R.T. 0.00 min  
 Lab File: VD063080.D  
 Acq: 15 Jul 2019 13:26

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 997918 |       |       |
| 111     | 98.9  | 84.8   | 127.2 |       |
| 192     | 18.0  | 13.4   | 20.0  |       |

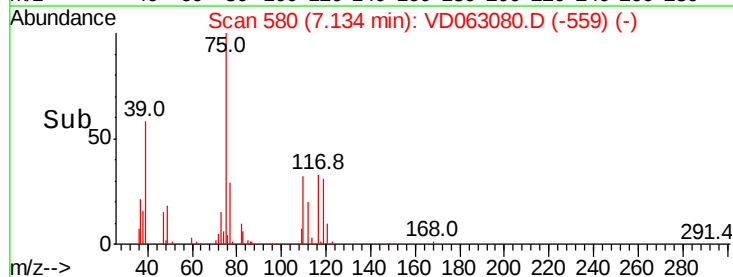
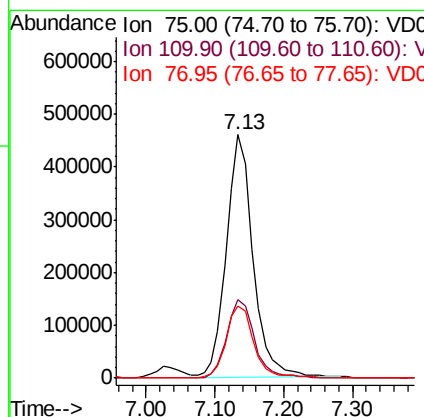
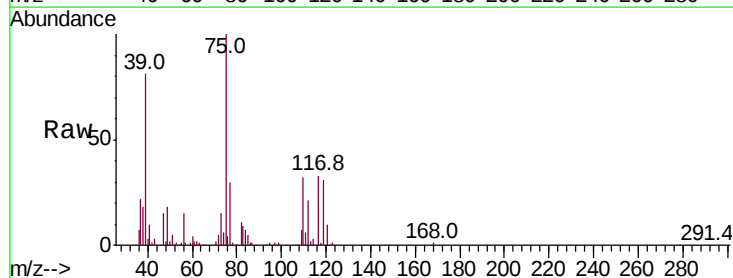
Manual Integrations  
 APPROVED

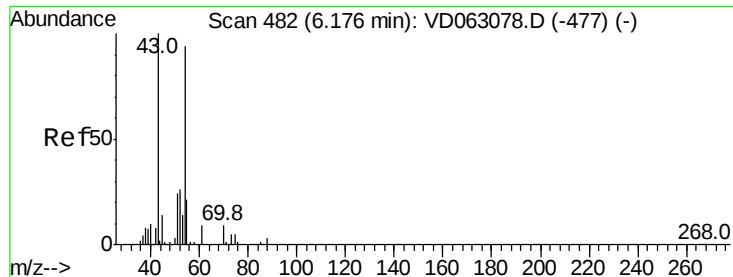
MMDadoda  
 7/16/2019 9:15:12 AM



#36  
 1,1-Dichloropropene  
 Concen: 127.846 ug/l  
 RT: 7.13 min Scan# 580  
 Delta R.T. 0.00 min  
 Lab File: VD063080.D  
 Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 75      | 100   | 1243763 |       |       |
| 110     | 32.1  | 18.9    | 56.5  |       |
| 77      | 29.5  | 25.2    | 37.8  |       |





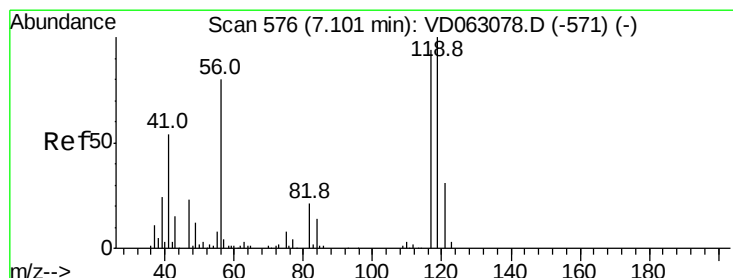
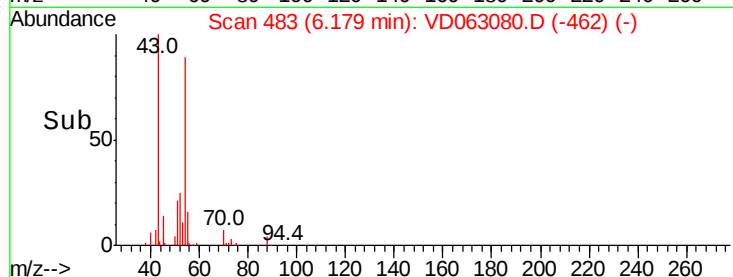
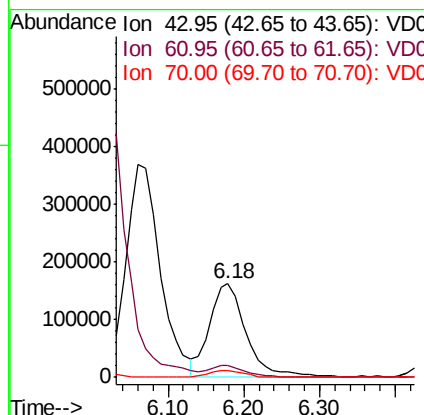
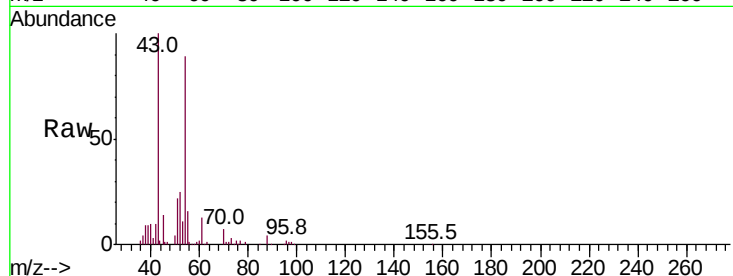
#37  
Ethyl Acetate  
Concen: 118.120 ug/l  
RT: 6.18 min Scan# 483  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.3  | 10.6  | 16.0  |
| 70      | 7.0   | 6.6   | 9.8   |

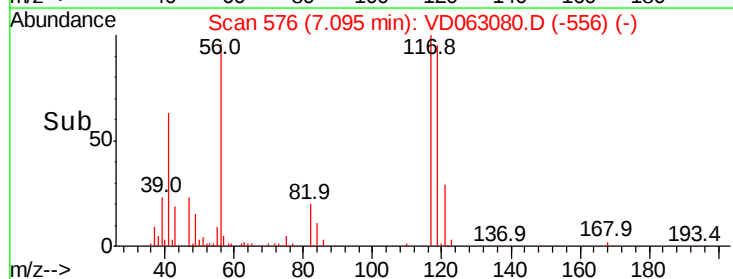
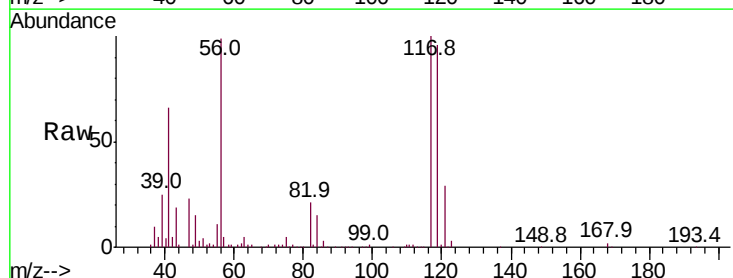
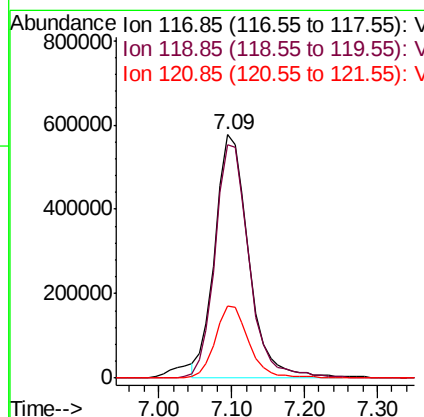
Manual Integrations  
APPROVED

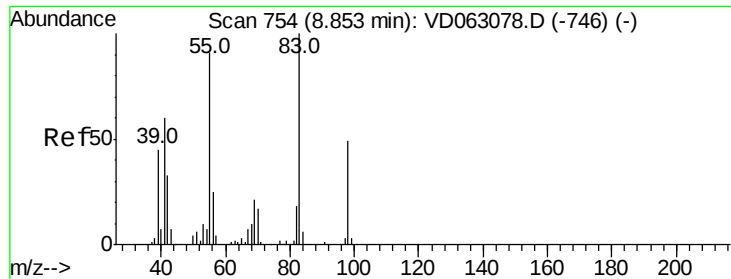
MMDadoda  
7/16/2019 9:15:12 AM



#38  
Carbon Tetrachloride  
Concen: 126.912 ug/l m  
RT: 7.09 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.8  | 80.0  | 120.0 |
| 121     | 29.5  | 25.0  | 37.4  |





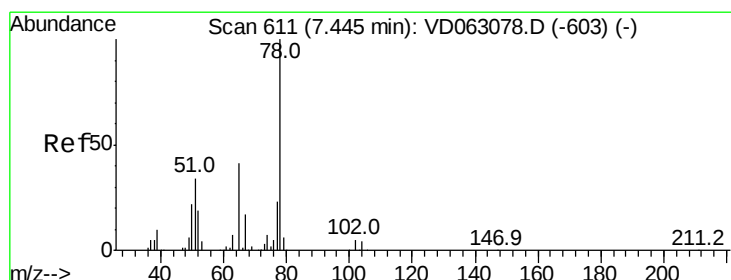
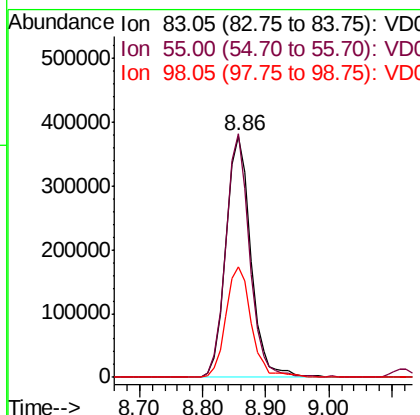
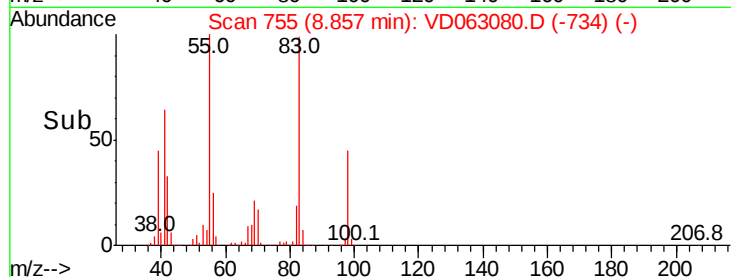
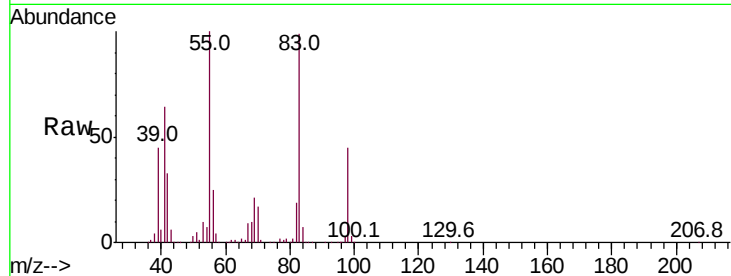
#39  
Methvlcvclohexane  
Concen: 121.933 ug/l  
RT: 8.86 min Scan# 755  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

Tot Ion: 83 Resp: 1034261  
Ion Ratio Lower Upper  
83 100  
55 100.8 73.0 109.4  
98 45.8 39.4 59.0

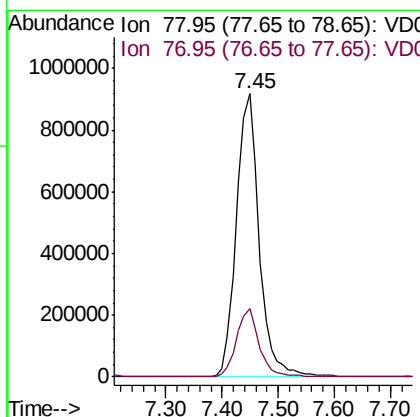
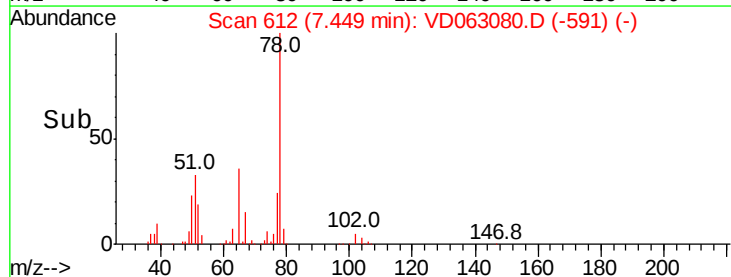
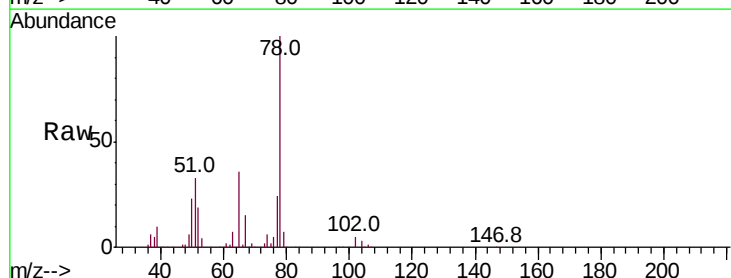
Manual Integrations  
APPROVED

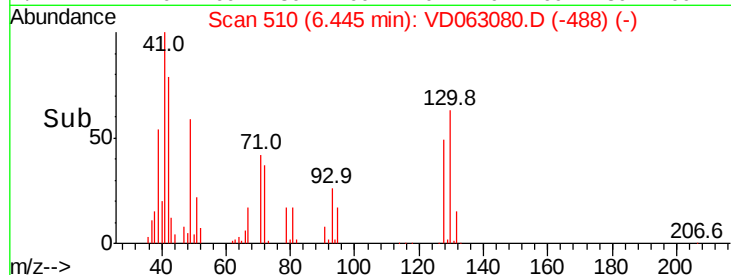
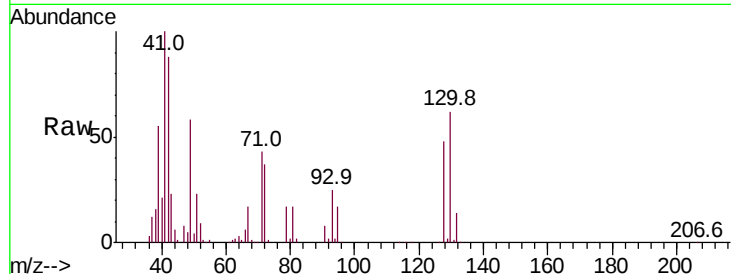
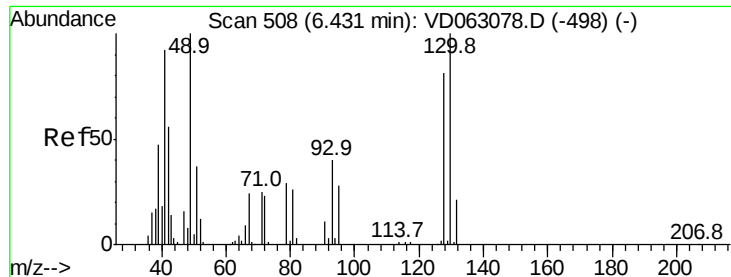
MMDadoda  
7/16/2019 9:15:12 AM



#40  
Benzene  
Concen: 130.662 ug/l  
RT: 7.45 min Scan# 612  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Tgt Ion: 78 Resp: 2595447  
Ion Ratio Lower Upper  
78 100  
77 24.3 18.1 27.1





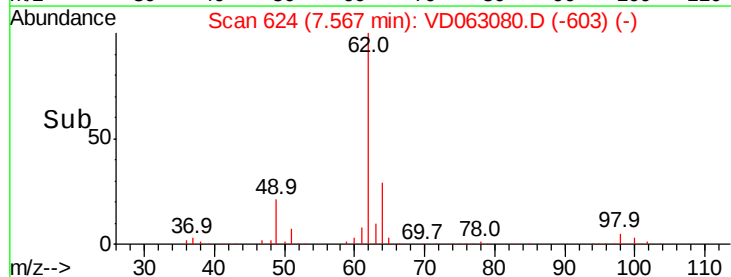
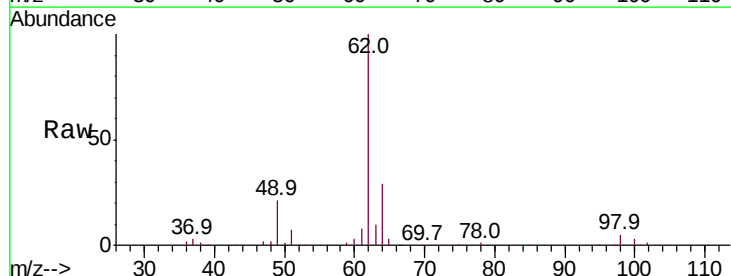
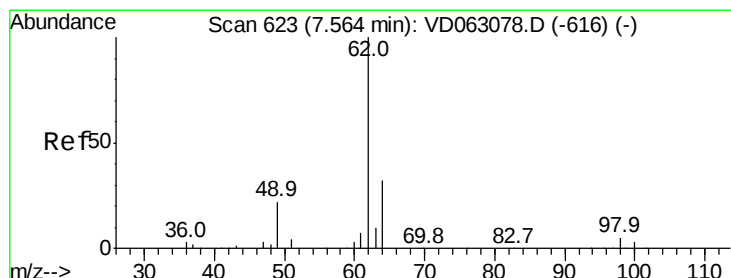
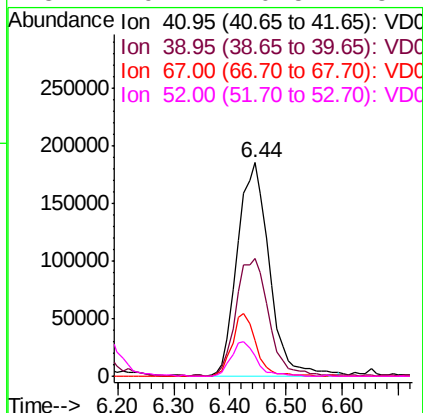
#41  
Methacrylonitrile  
Concen: 139.418 ug/l  
RT: 6.44 min Scan# 510  
Delta R.T. 0.01 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 55.1  | 41.0  | 61.6  |
| 67      | 17.1  | 21.3  | 31.9# |
| 52      | 9.4   | 10.5  | 15.7# |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

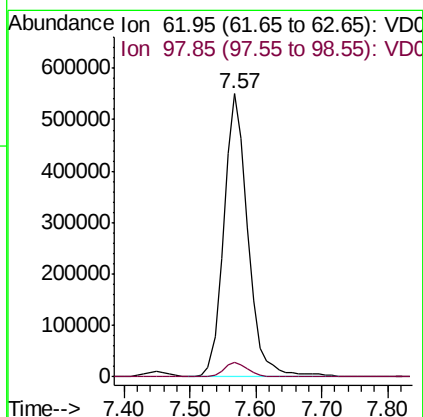
Manual Integrations  
APPROVED

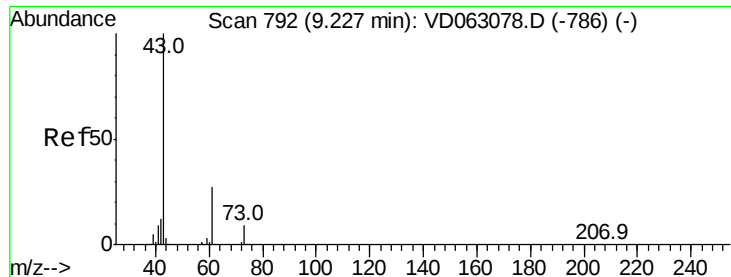
MMDadoda  
7/16/2019 9:15:12 AM



#42  
1,2-Dichloroethane  
Concen: 130.917 ug/l  
RT: 7.57 min Scan# 624  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 5.1   | 0.0   | 9.6   |





#43

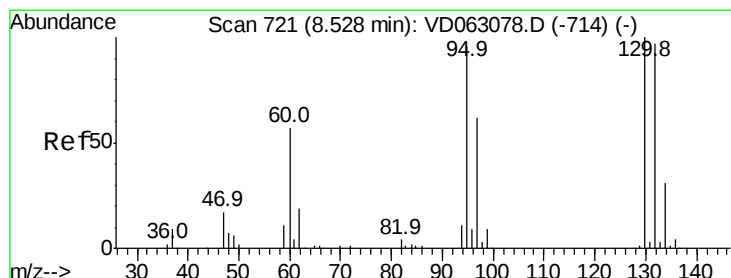
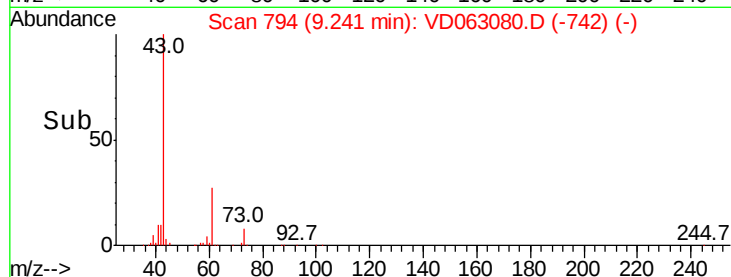
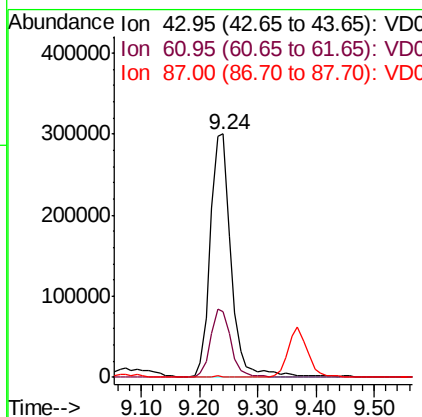
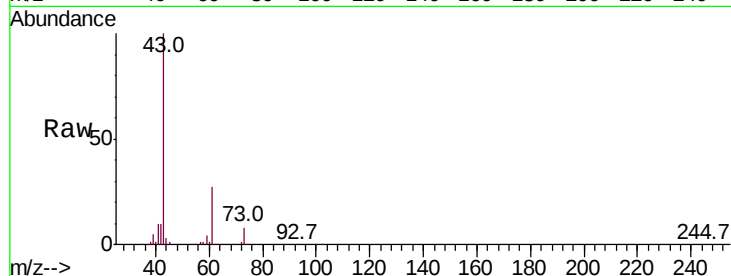
Isopropyl Acetate  
 Concen: 139.405 ug/l  
 RT: 9.24 min Scan# 794  
 Delta R.T. 0.01 min  
 Lab File: VD063080.D  
 Acq: 15 Jul 2019 13:26

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 26.9  | 21.7  | 32.5  |
| 87      | 0.4   | 0.2   | 0.4   |

Manual Integrations  
 APPROVED

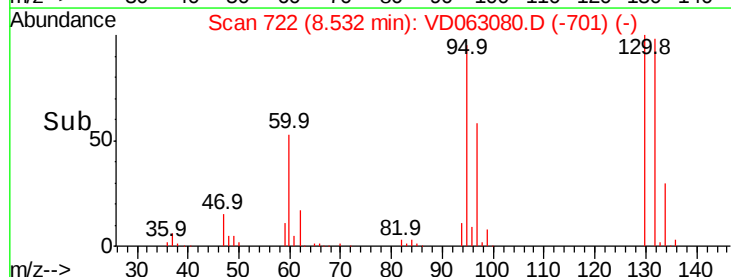
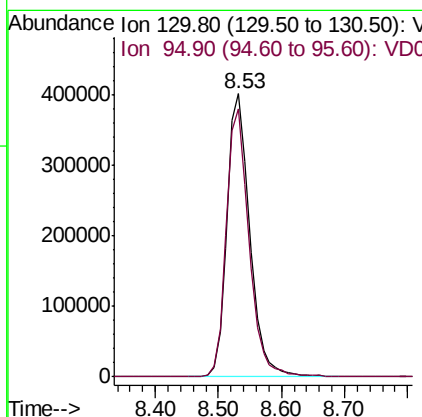
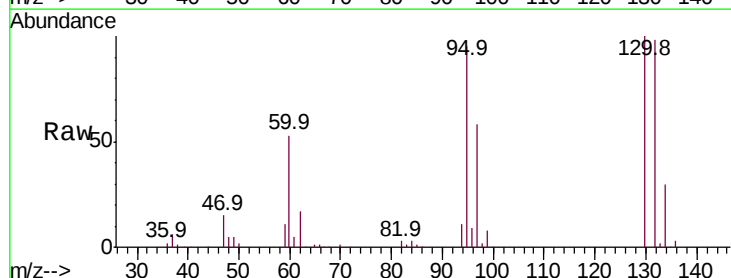
MMDadoda  
 7/16/2019 9:15:12 AM

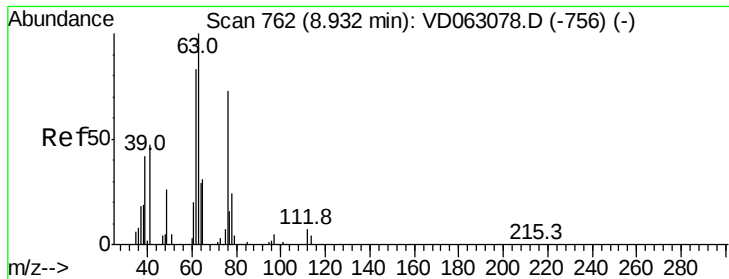


#44

Trichloroethene  
 Concen: 130.307 ug/l  
 RT: 8.53 min Scan# 722  
 Delta R.T. 0.00 min  
 Lab File: VD063080.D  
 Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 94.6  | 0.0   | 191.4 |





#45

1,2-Dichloropropane

Concen: 131.830 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 649687

Ion Ratio Lower Upper

63 100

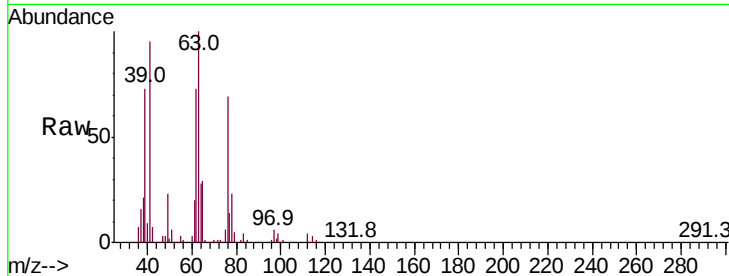
65 29.1 26.3 39.5

Manual Integrations

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7/16/2019 9:15:12 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

250000

200000

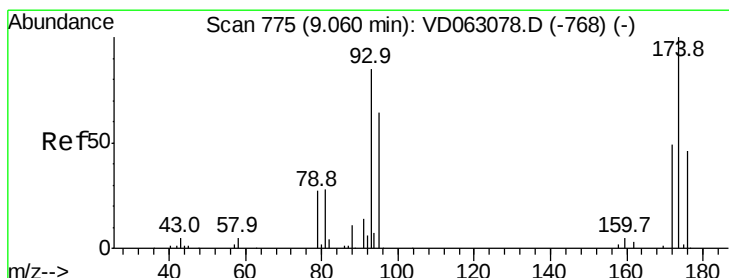
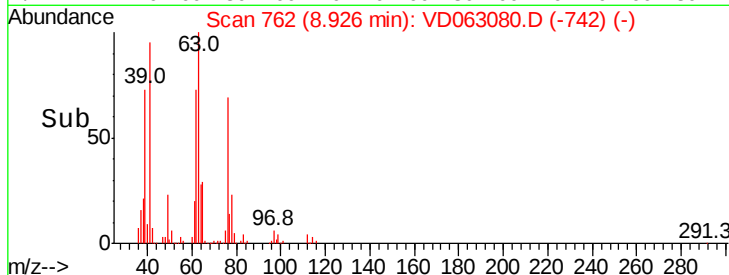
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 125.196 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

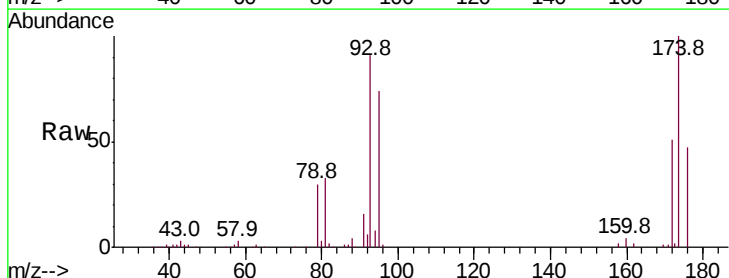
Tgt Ion: 93 Resp: 533993

Ion Ratio Lower Upper

93 100

95 80.9 59.7 89.5

174 110.0 93.9 140.9



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

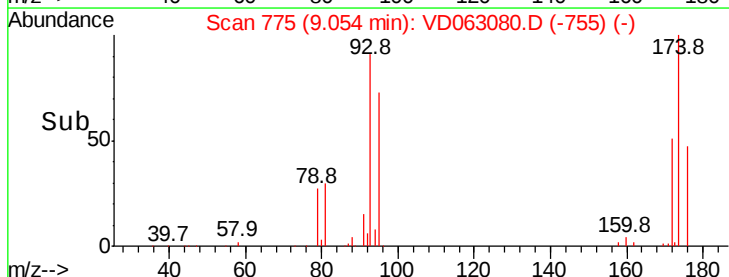
300000

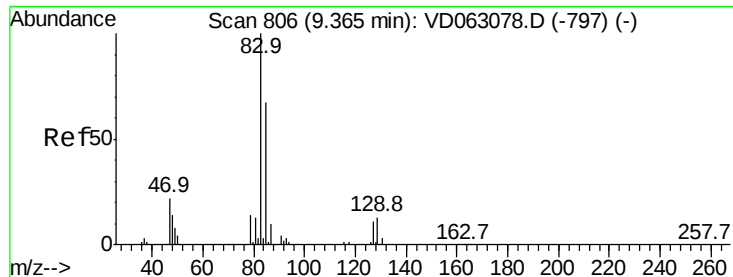
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 130.680 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1430267

Ion Ratio Lower Upper

83 100

85 64.6 53.7 80.5

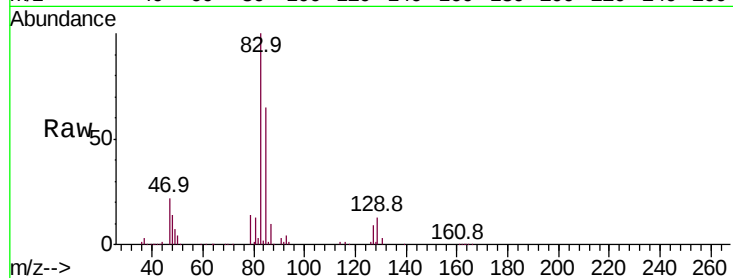
127 9.5 9.0 13.6

Manual Integrations

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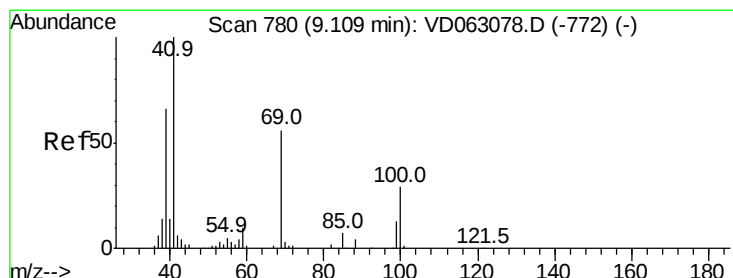
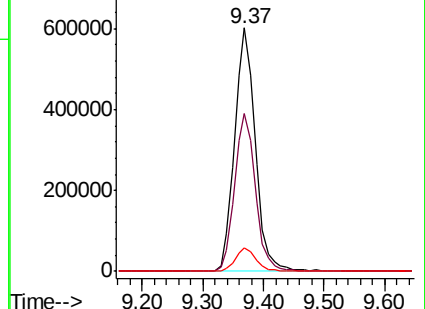
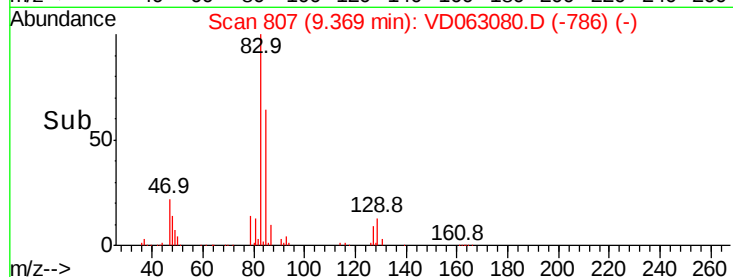
7/16/2019 9:15:12 AM



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 129.244 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

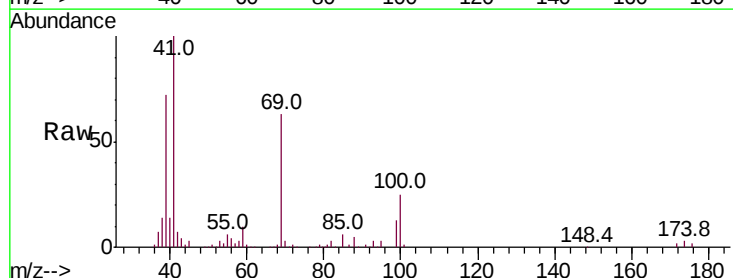
Tgt Ion: 41 Resp: 484622

Ion Ratio Lower Upper

41 100

69 62.8 44.3 66.5

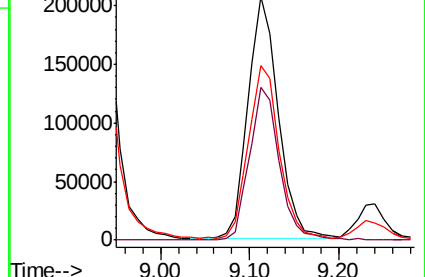
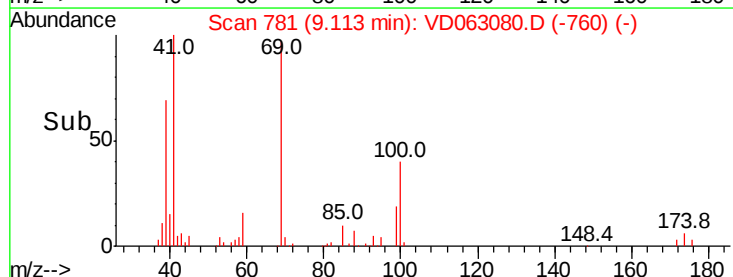
39 71.7 52.6 78.8

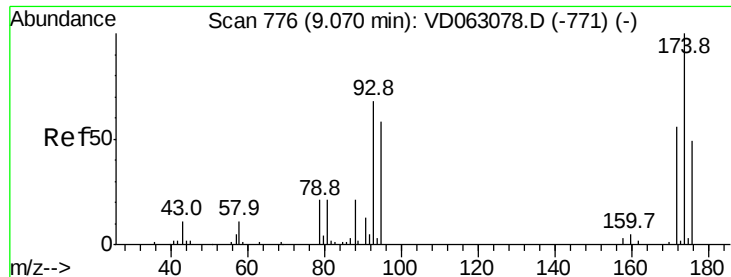


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





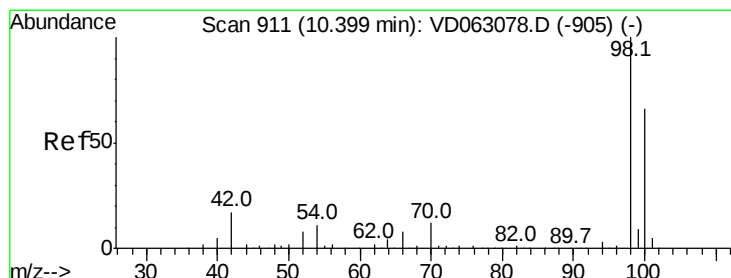
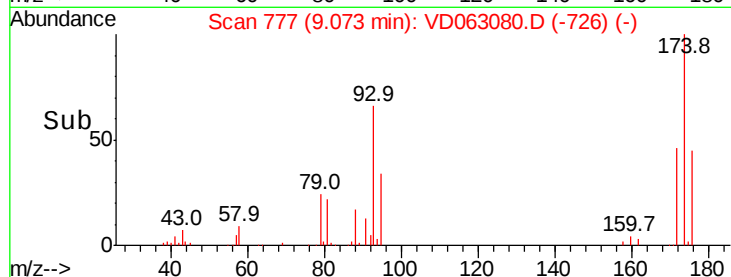
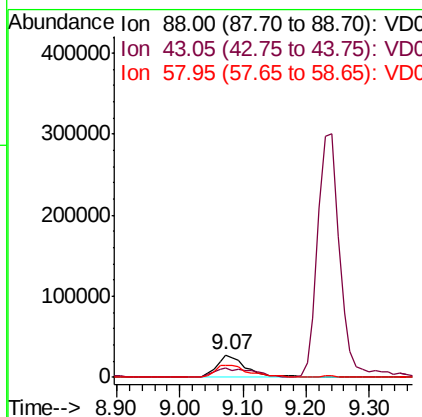
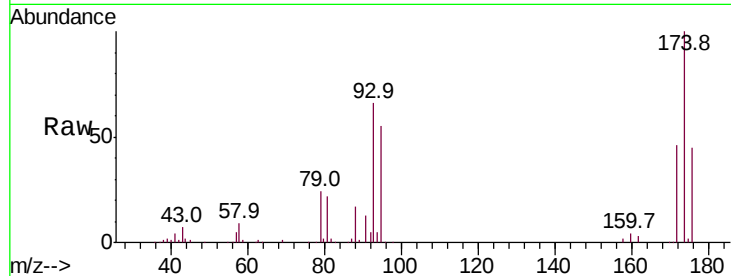
#49  
1,4-Dioxane  
Concen: 2838.043 ug/l  
RT: 9.07 min Scan# 777  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 40.0  | 40.2  | 60.4# |
| 58      | 55.0  | 41.6  | 62.4  |

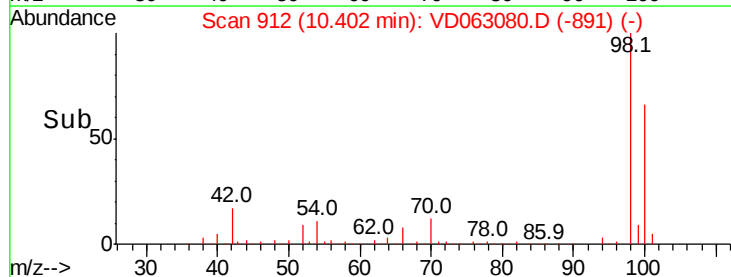
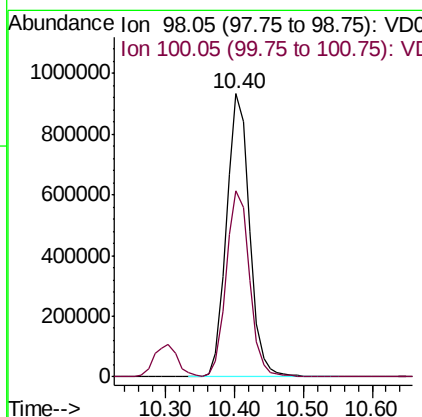
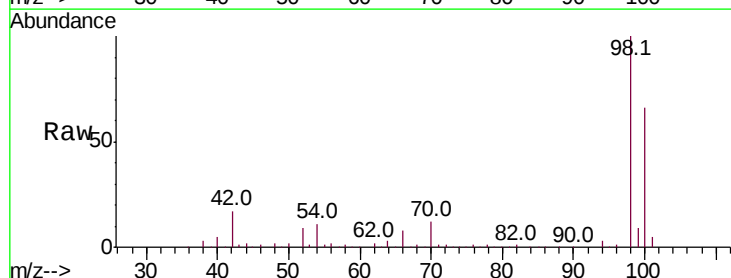
Manual Integrations  
APPROVED

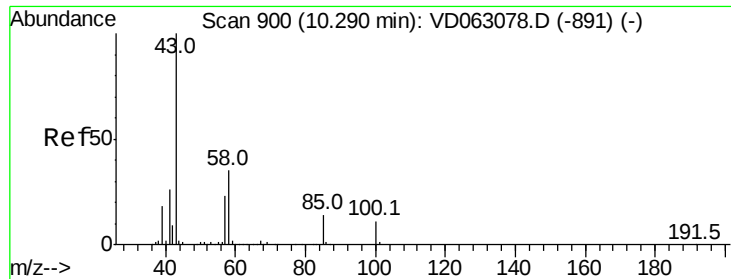
MMDadoda  
7/16/2019 9:15:12 AM



#50  
Toluene-d8  
Concen: 113.172 ug/l  
RT: 10.40 min Scan# 912  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.7  | 53.5  | 80.3  |





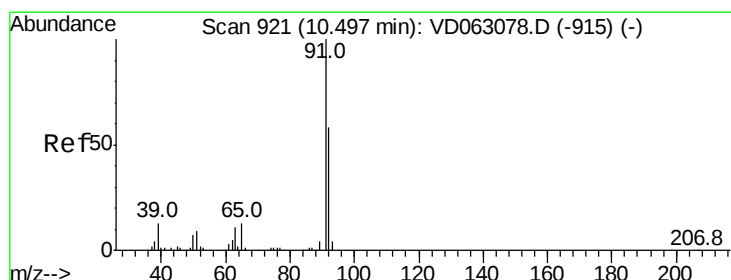
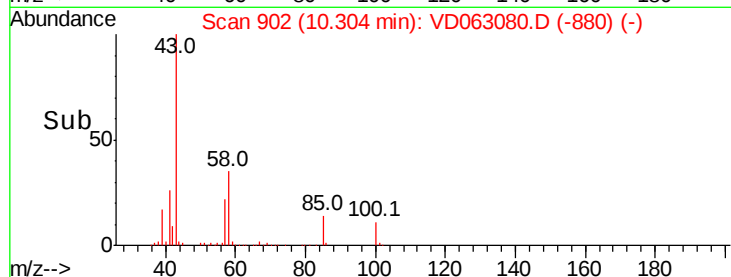
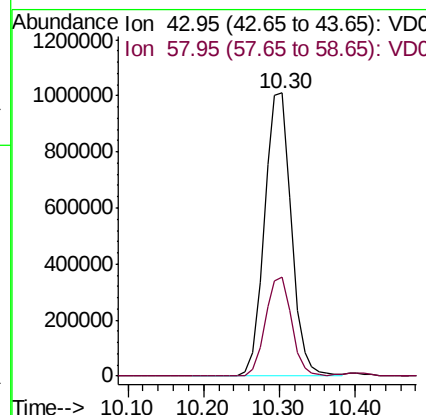
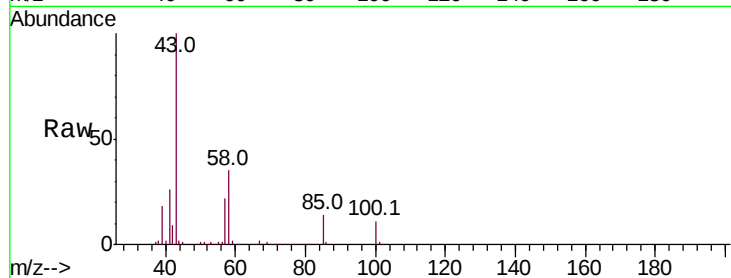
#51  
4-Methyl-2-Pentanone  
Concen: 662.643 ug/l  
RT: 10.30 min Scan# 902  
Delta R.T. 0.01 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion: 43 Resp: 2502557  
Ion Ratio Lower Upper  
43 100  
58 35.0 27.8 41.6

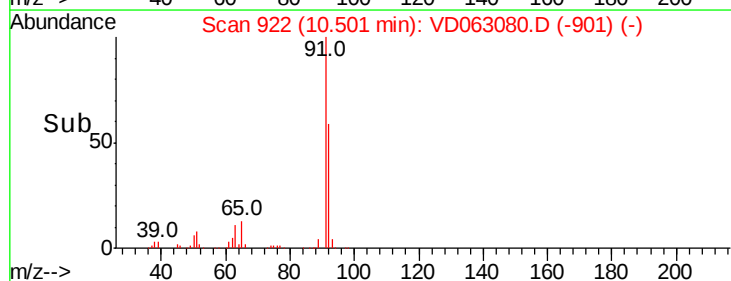
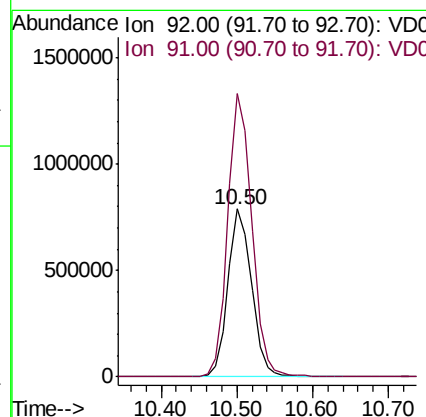
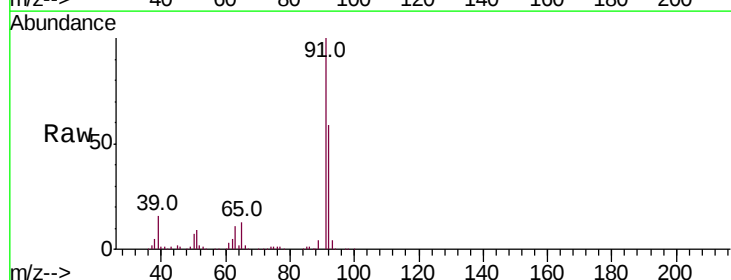
Manual Integrations  
APPROVED

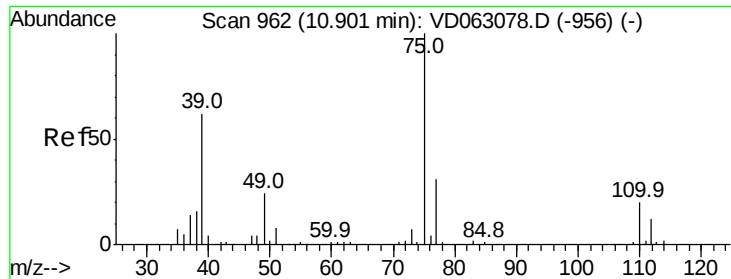
MMDadoda  
7/16/2019 9:15:12 AM



#52  
Toluene  
Concen: 129.691 ug/l  
RT: 10.50 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Tgt Ion: 92 Resp: 1716569  
Ion Ratio Lower Upper  
92 100  
91 168.9 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 139.892 ug/l

RT: 10.90 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 1279903

Ion Ratio Lower Upper

75 100

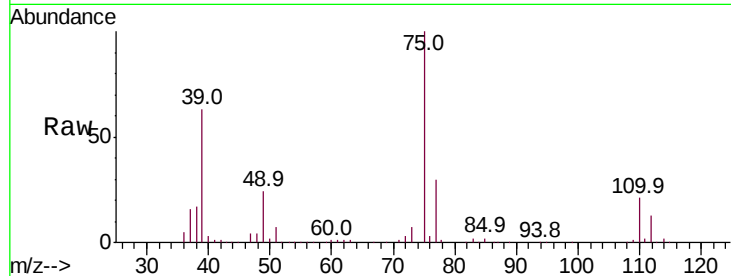
77 29.5 24.9 37.3

Manual Integrations

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MMDadoda

7/16/2019 9:15:12 AM



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.90

600000

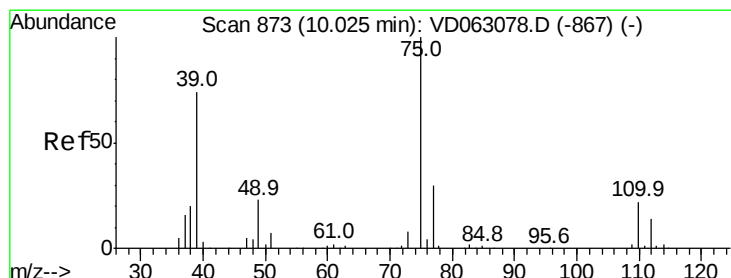
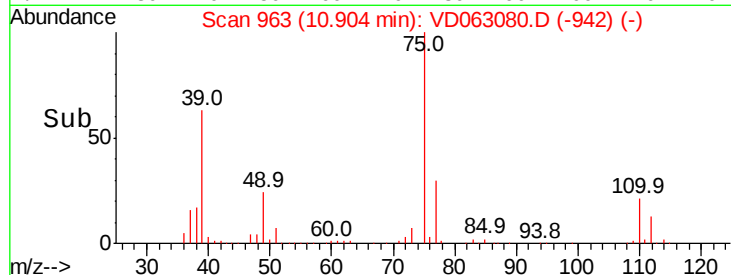
400000

200000

0

10.80 10.90 11.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 130.385 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

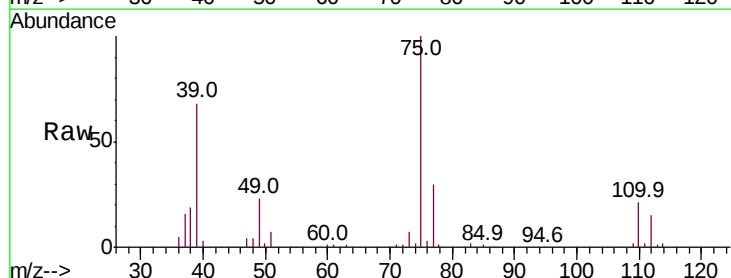
Tgt Ion: 75 Resp: 1286461

Ion Ratio Lower Upper

75 100

77 30.1 23.9 35.9

39 68.2 59.4 89.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.04

600000

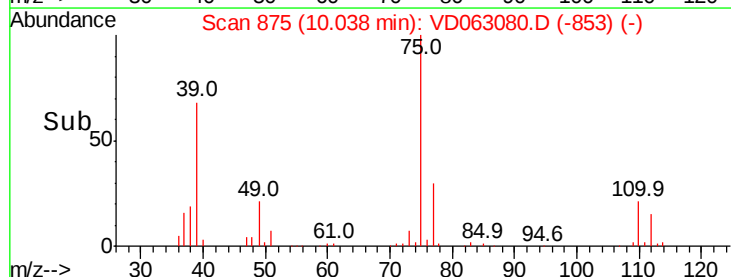
400000

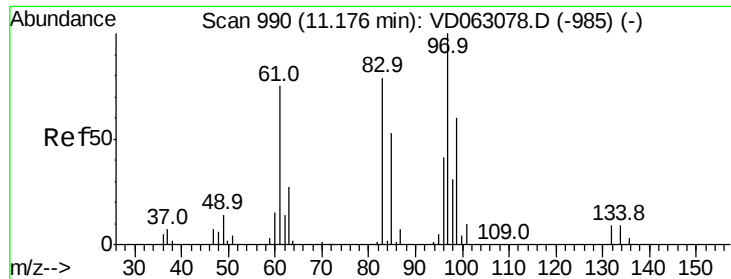
200000

0

9.90 10.00 10.10 10.20

Time-->





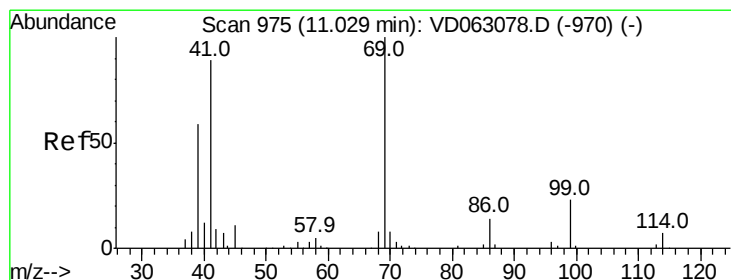
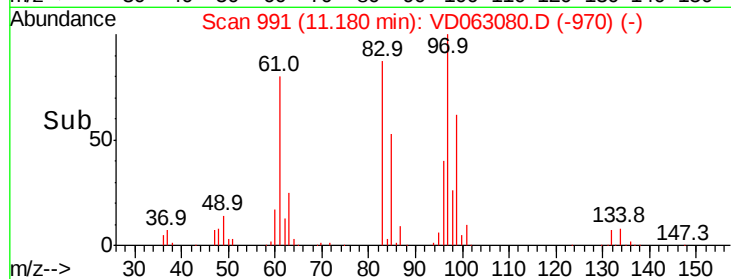
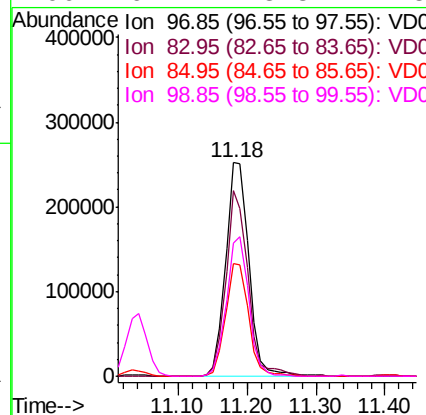
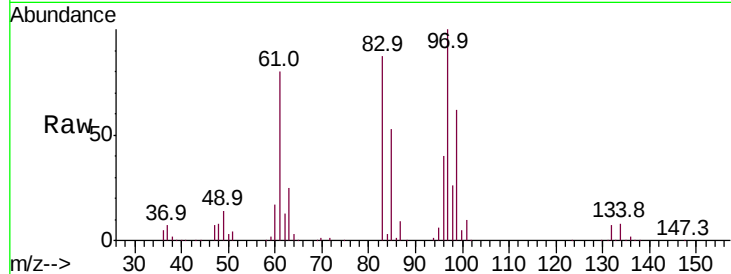
#55  
 1,1,2-Trichloroethane  
 Concen: 127.012 ug/l  
 RT: 11.18 min Scan# 991  
 Delta R.T. 0.00 min  
 Lab File: VD063080.D  
 Acq: 15 Jul 2019 13:26

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 97      | 100   | 588336 |       |       |
| 83      | 86.8  | 63.2   | 94.8  |       |
| 85      | 52.8  | 42.0   | 63.0  |       |
| 99      | 62.2  | 48.3   | 72.5  |       |

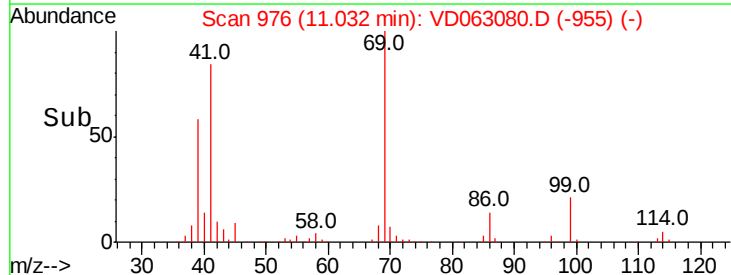
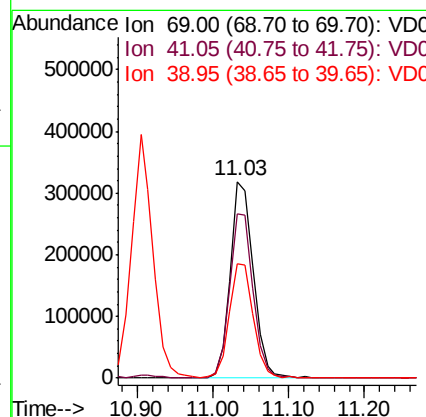
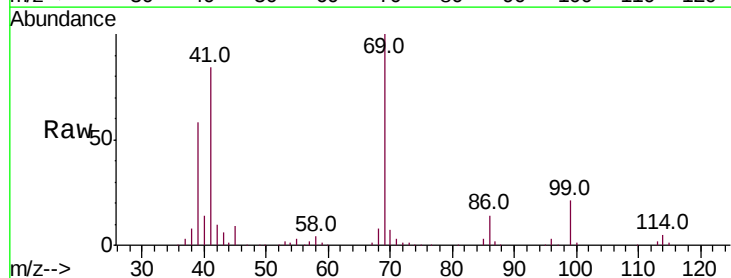
Manual Integrations  
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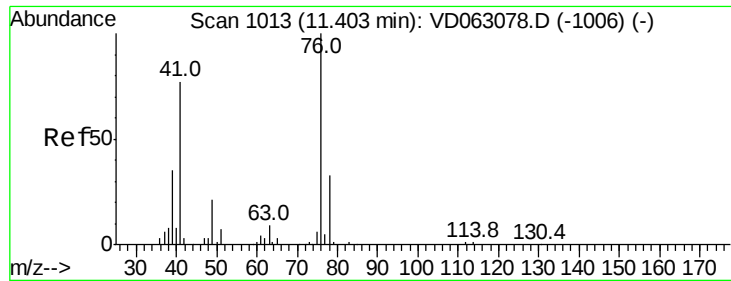
MMDadoda  
 7/16/2019 9:15:12 AM



#56  
 Ethyl methacrylate  
 Concen: 134.779 ug/l  
 RT: 11.03 min Scan# 976  
 Delta R.T. 0.00 min  
 Lab File: VD063080.D  
 Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 69      | 100   | 668499 |       |       |
| 41      | 83.7  | 71.0   | 106.4 |       |
| 39      | 58.2  | 47.7   | 71.5  |       |





#57

1,3-Dichloropropane

Concen: 127.848 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 891538

Ion Ratio Lower Upper

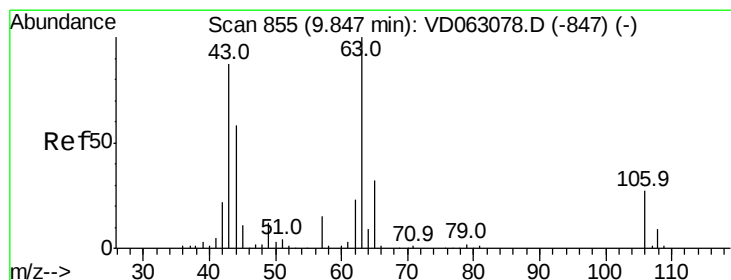
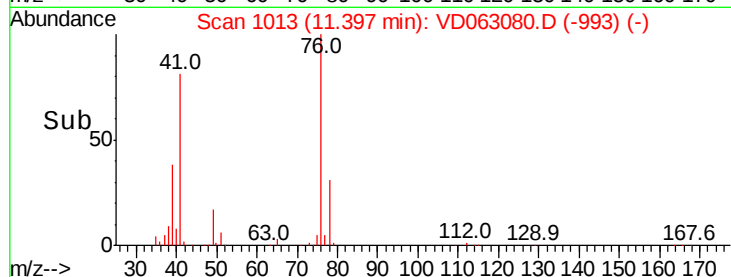
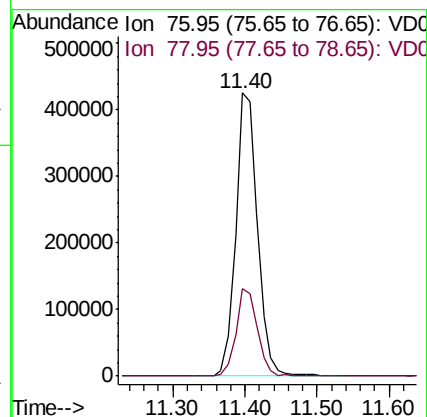
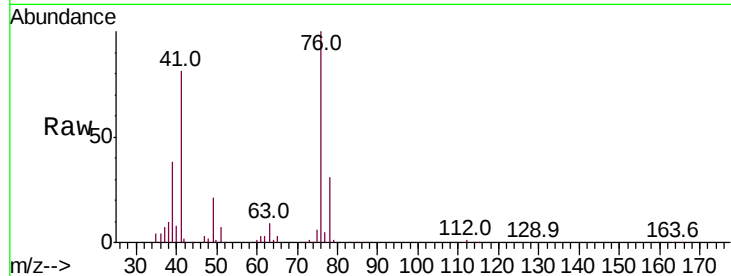
76 100

78 31.1 26.8 40.2

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#58

2-Chloroethyl Vinyl ether

Concen: 669.215 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD063080.D

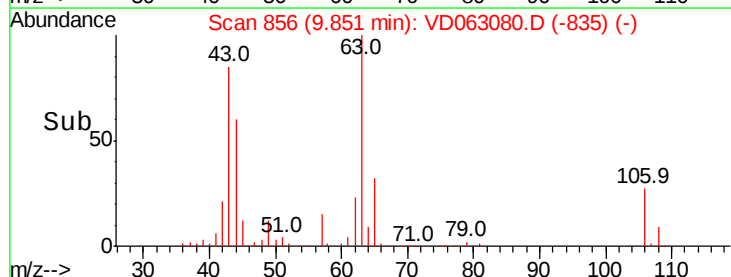
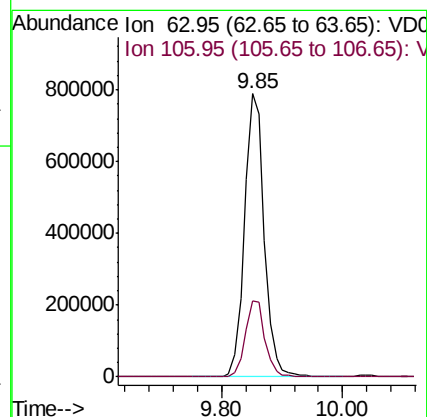
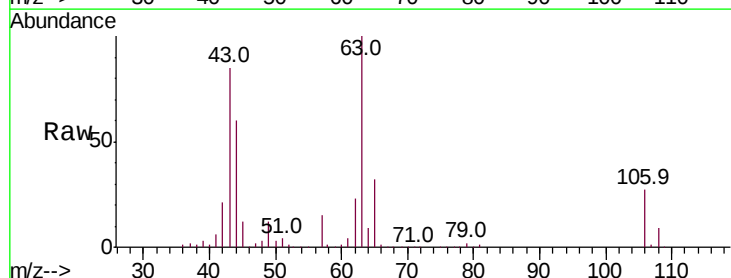
Acq: 15 Jul 2019 13:26

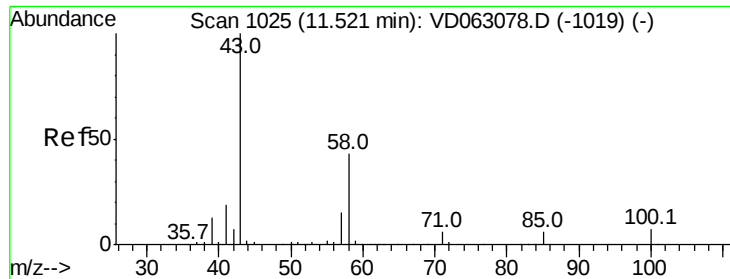
Tgt Ion: 63 Resp: 1773380

Ion Ratio Lower Upper

63 100

106 26.9 21.3 31.9





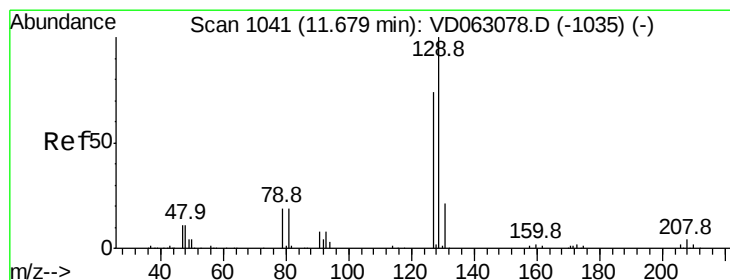
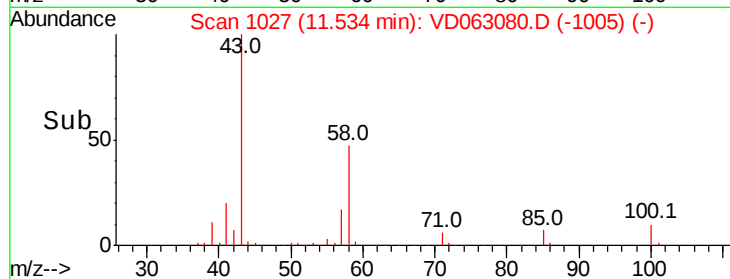
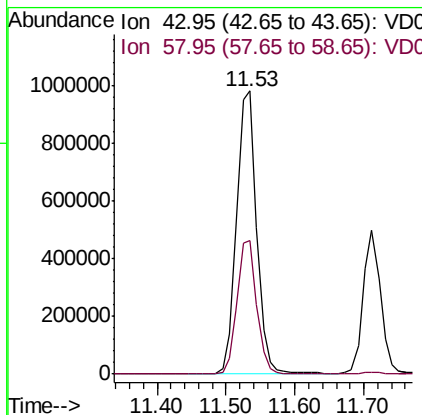
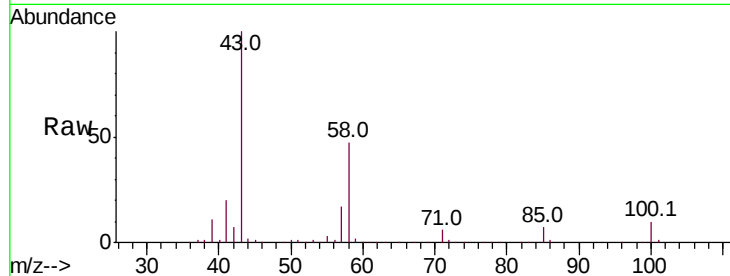
#59  
2-Hexanone  
Concen: 727.994 ug/l  
RT: 11.53 min Scan# 1027  
Delta R.T. 0.01 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion: 43 Resp: 1986557  
Ion Ratio Lower Upper  
43 100  
58 47.4 21.7 65.1

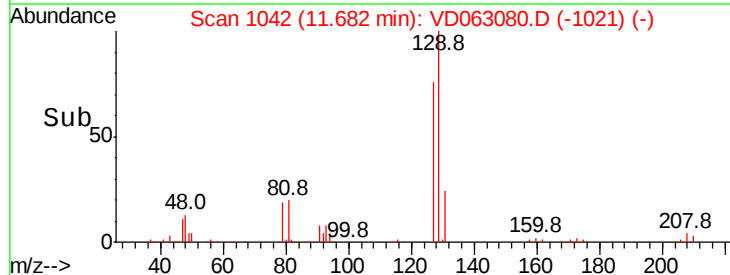
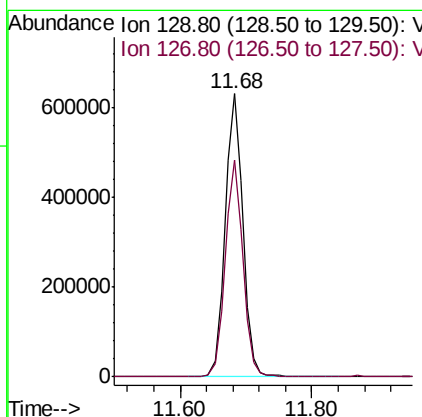
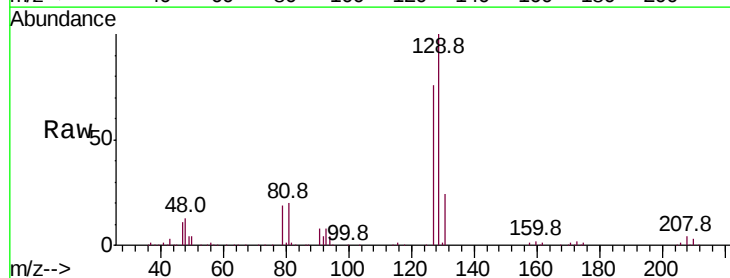
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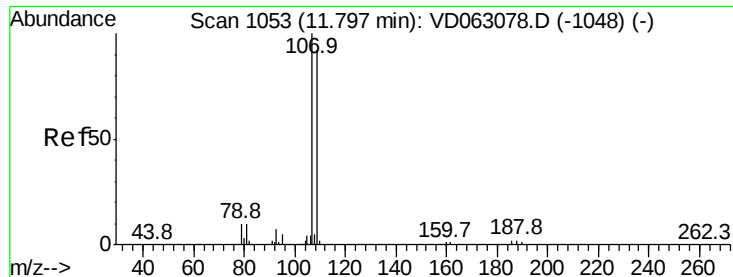
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#60  
Dibromochloromethane  
Concen: 136.879 ug/l  
RT: 11.68 min Scan# 1042  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Tgt Ion: 129 Resp: 1182805  
Ion Ratio Lower Upper  
129 100  
127 76.4 37.0 110.9





#61

1,2-Dibromoethane

Concen: 132.862 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 720668

Ion Ratio Lower Upper

107 100

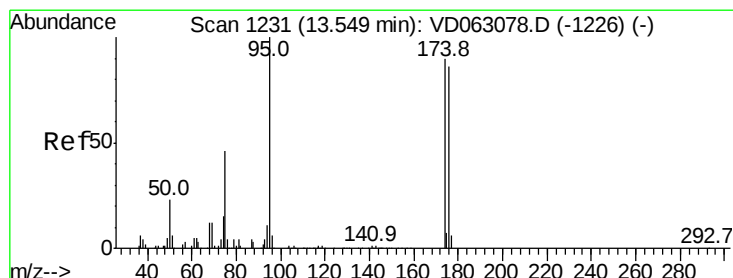
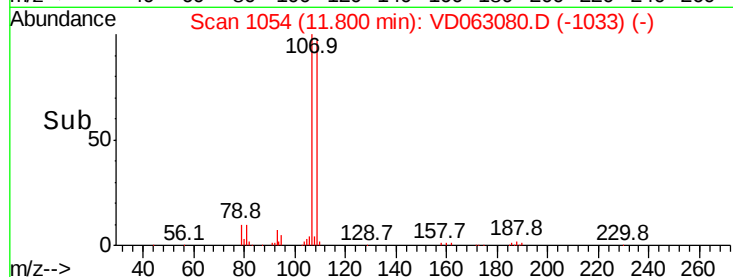
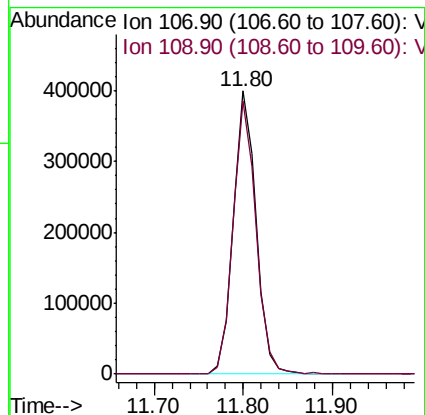
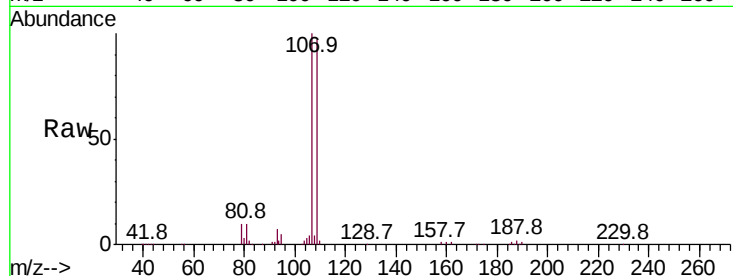
109 96.7 73.6 110.4

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#62

4-Bromofluorobenzene

Concen: 108.449 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

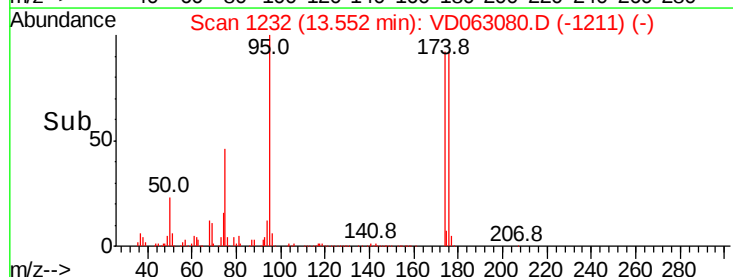
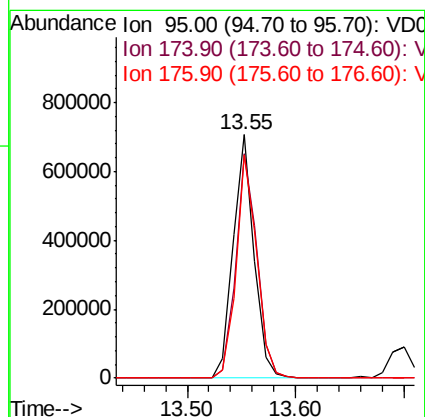
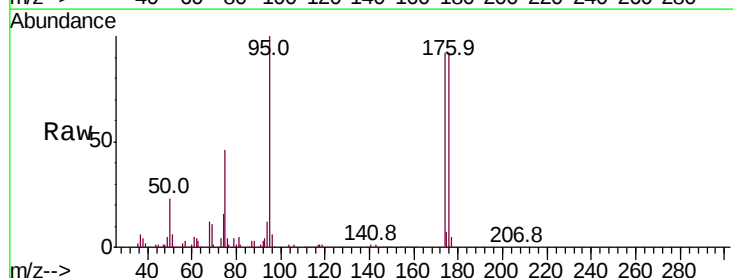
Tgt Ion: 95 Resp: 947604

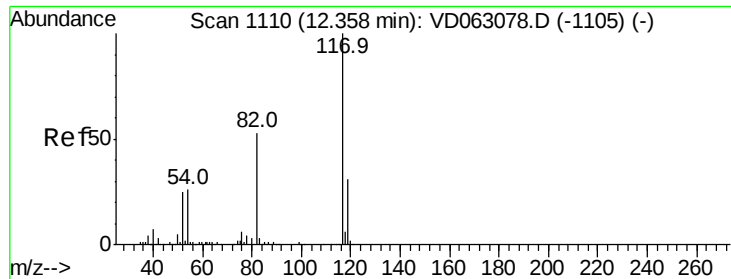
Ion Ratio Lower Upper

95 100

174 92.2 0.0 180.6

176 91.8 0.0 172.2





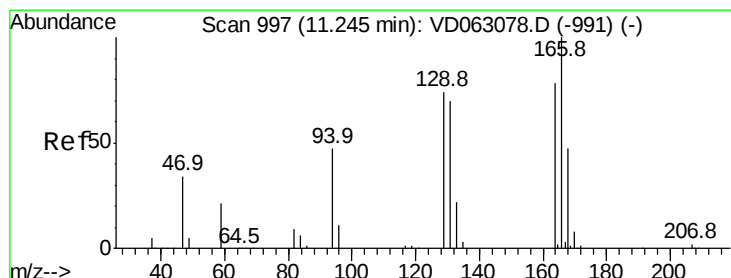
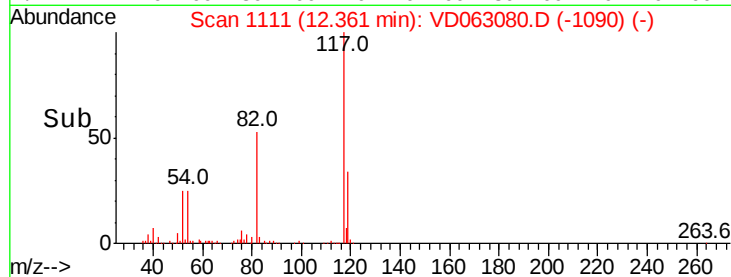
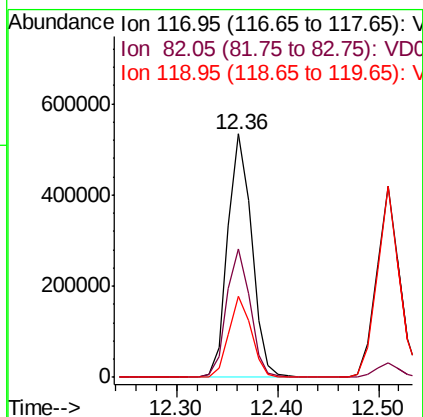
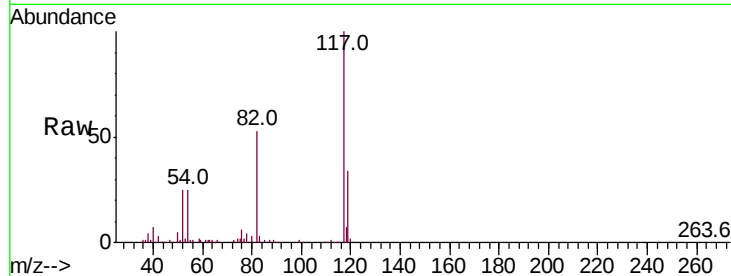
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.7  | 42.3  | 63.5  |
| 119     | 33.5  | 25.2  | 37.8  |

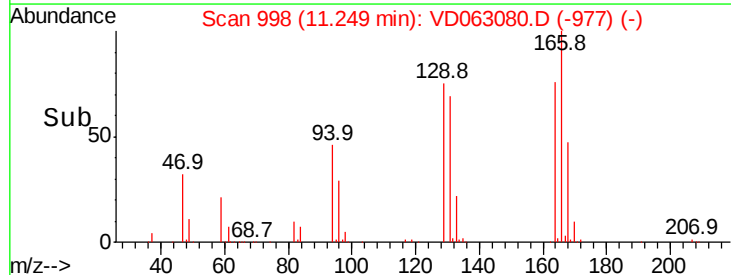
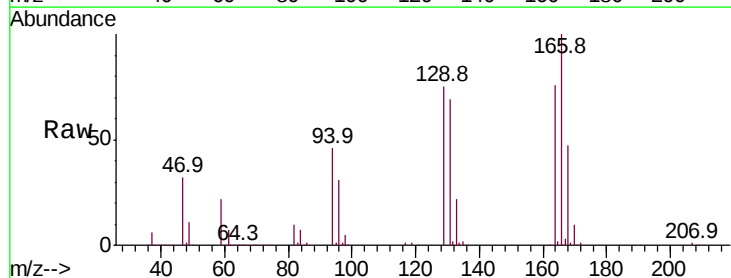
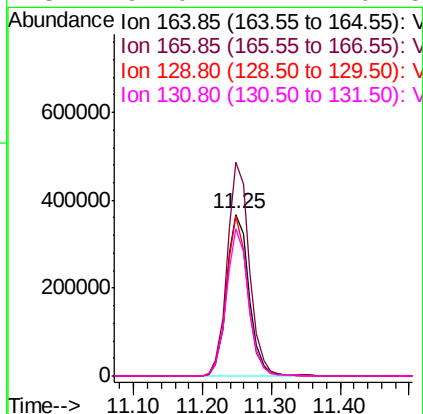
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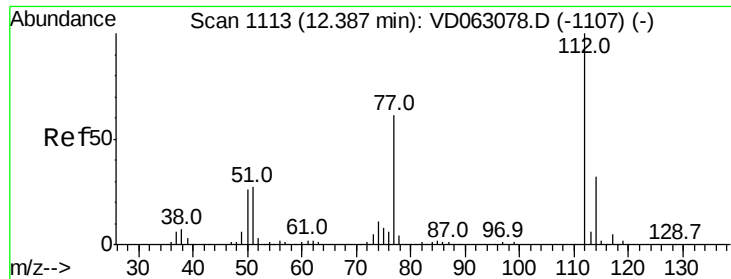
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 113.111 ug/l  
RT: 11.25 min Scan# 998  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 132.3 | 102.8 | 154.2 |
| 129     | 99.4  | 76.4  | 114.6 |
| 131     | 91.0  | 71.7  | 107.5 |





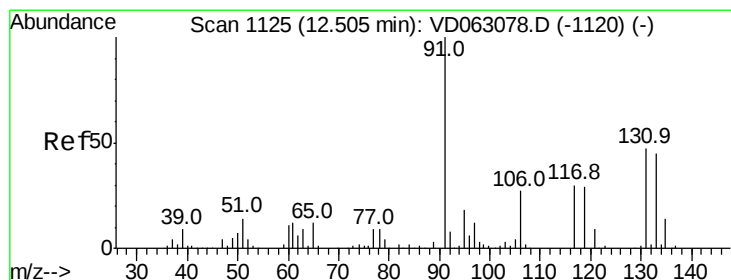
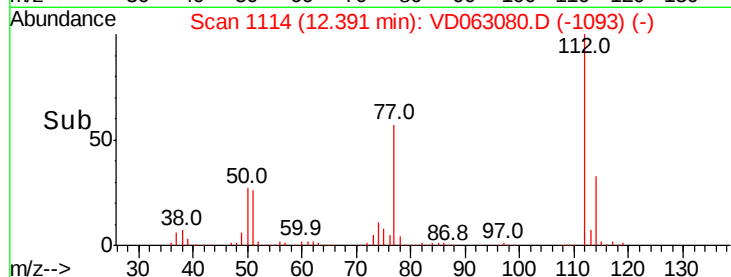
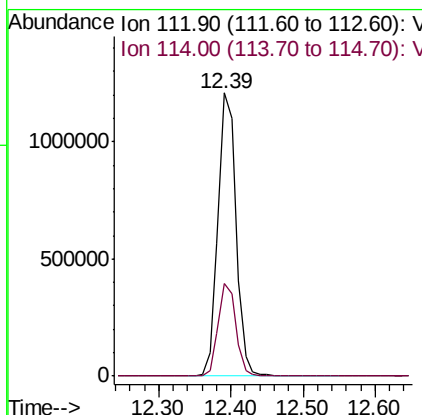
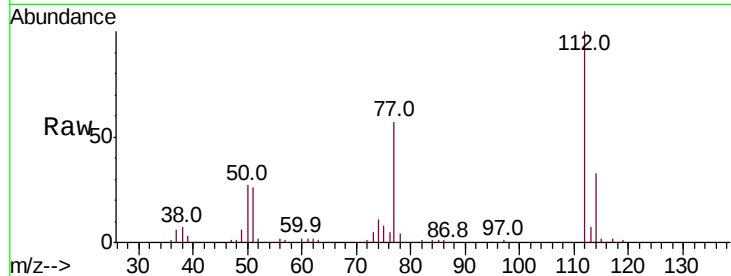
#65  
Chlorobenzene  
Concen: 124.078 ug/l  
RT: 12.39 min Scan# 1114  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion:112 Resp: 2077620  
Ion Ratio Lower Upper  
112 100  
114 32.9 25.9 38.9

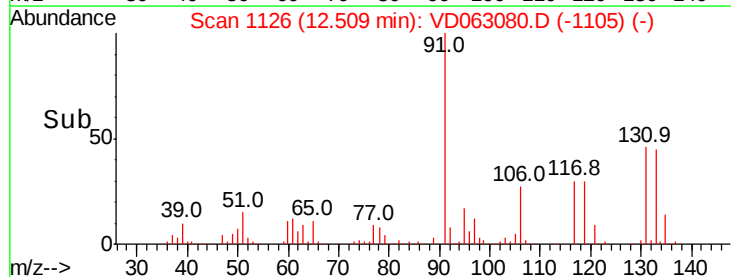
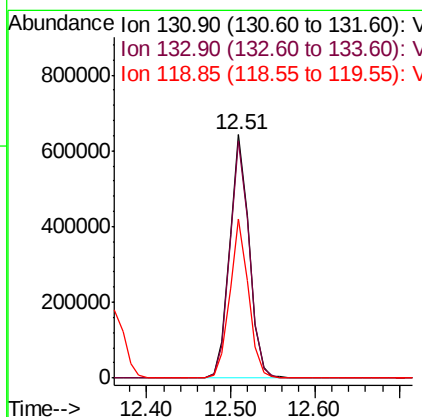
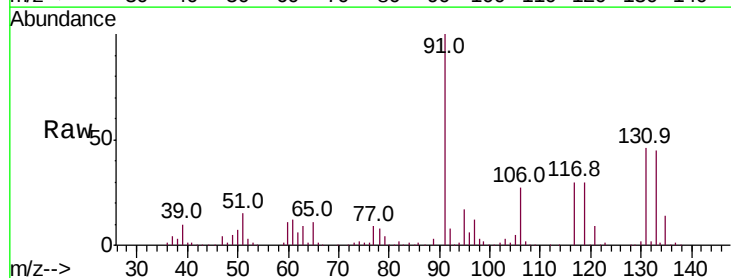
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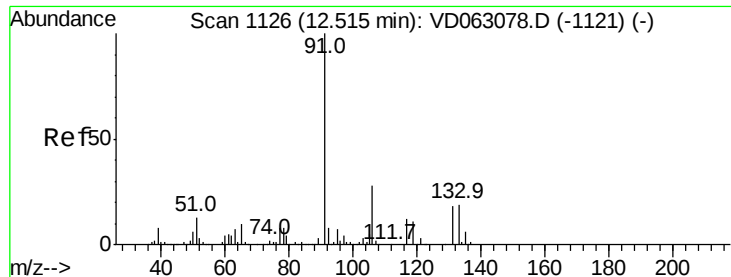
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 131.824 ug/l  
RT: 12.51 min Scan# 1126  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Tgt Ion:131 Resp: 1029537  
Ion Ratio Lower Upper  
131 100  
133 97.3 48.5 145.6  
119 65.1 30.8 92.3





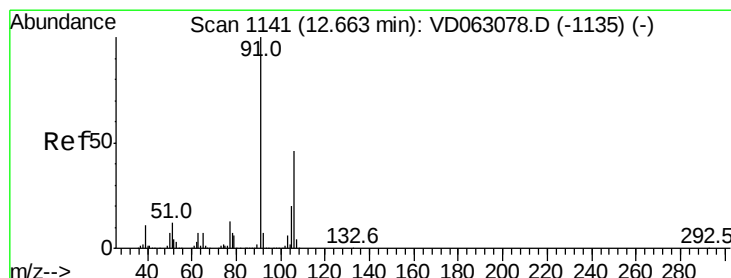
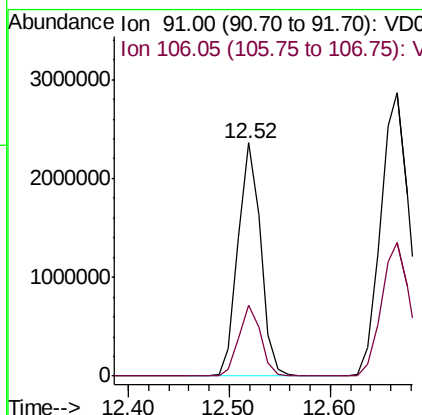
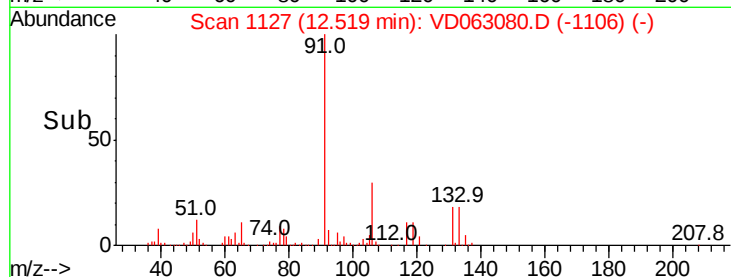
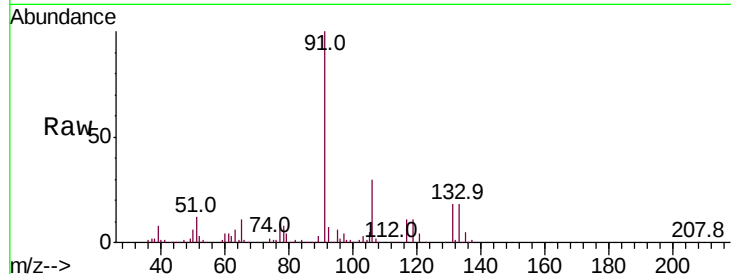
#67  
Ethyl Benzene  
Concen: 123.108 ug/l  
RT: 12.52 min Scan# 1127  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion: 91 Resp: 3683550  
Ion Ratio Lower Upper  
91 100  
106 30.3 22.5 33.7

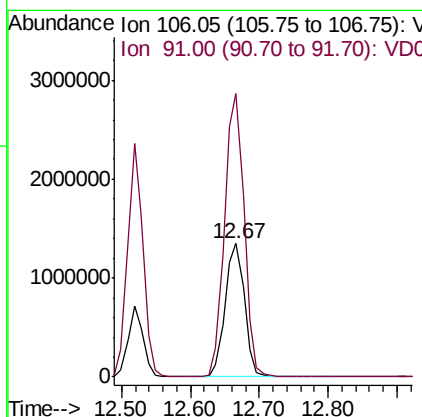
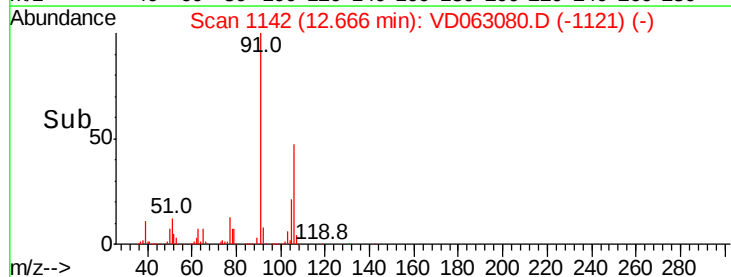
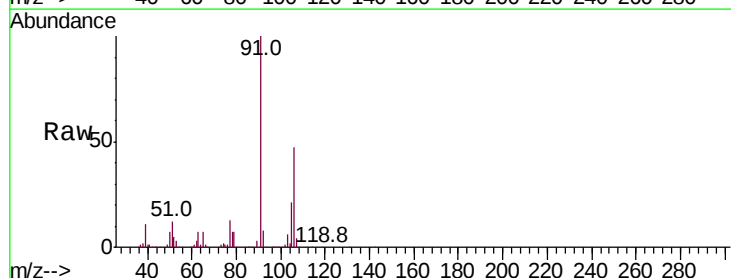
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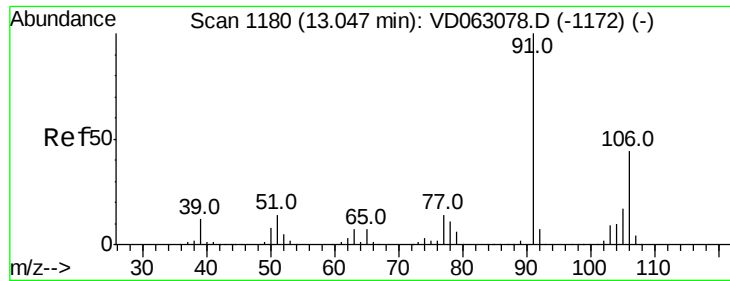
MMDadoda  
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#68  
m/p-Xylenes  
Concen: 252.947 ug/l  
RT: 12.67 min Scan# 1142  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Tgt Ion: 106 Resp: 2619368  
Ion Ratio Lower Upper  
106 100  
91 212.2 173.0 259.6





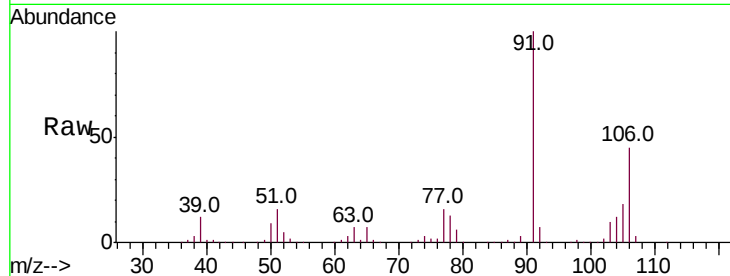
#69  
o-Xylene  
Concen: 130.146 ug/l  
RT: 13.05 min Scan# 1181  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

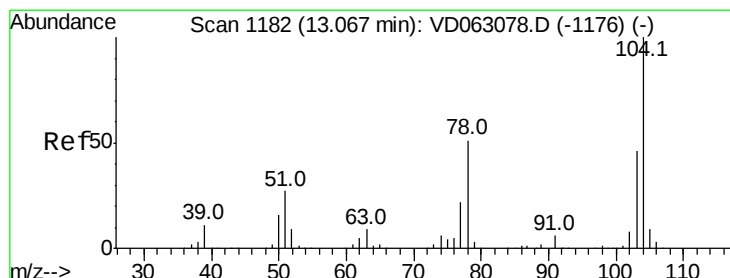
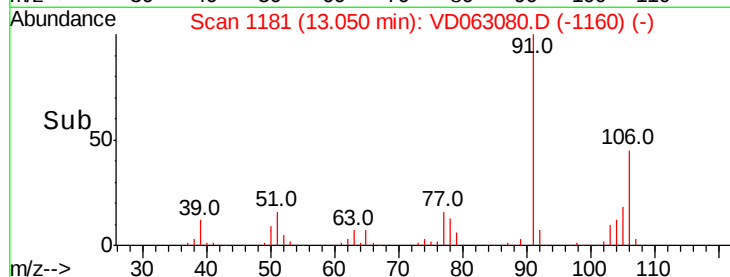
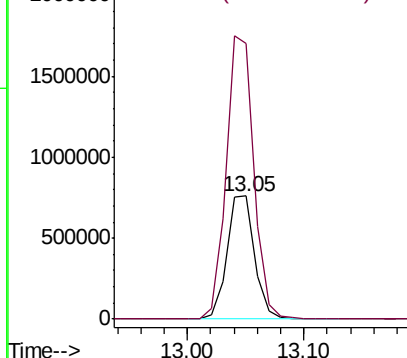
Tot Ion:106 Resp: 1242302  
Ion Ratio Lower Upper  
106 100  
91 224.6 114.9 344.7

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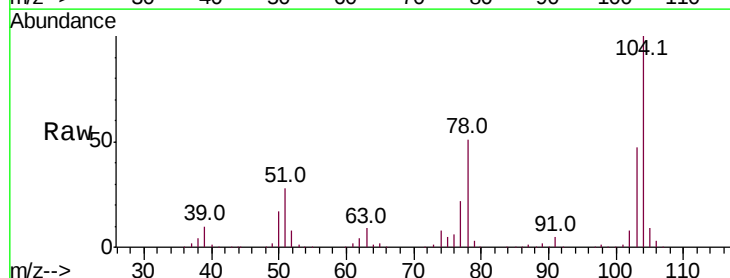


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): V

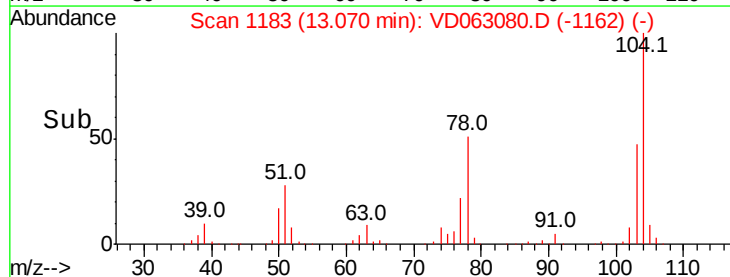
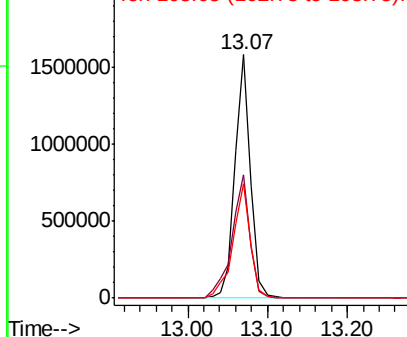


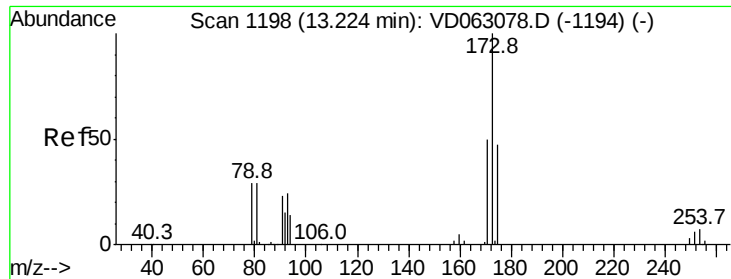
#70  
Styrene  
Concen: 128.165 ug/l  
RT: 13.07 min Scan# 1183  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Tgt Ion:104 Resp: 2168291  
Ion Ratio Lower Upper  
104 100  
78 50.6 41.1 61.7  
103 47.0 37.0 55.6



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





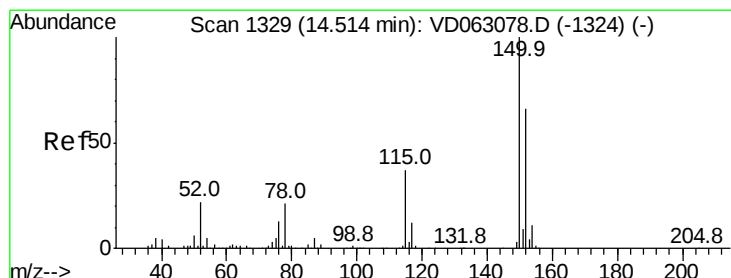
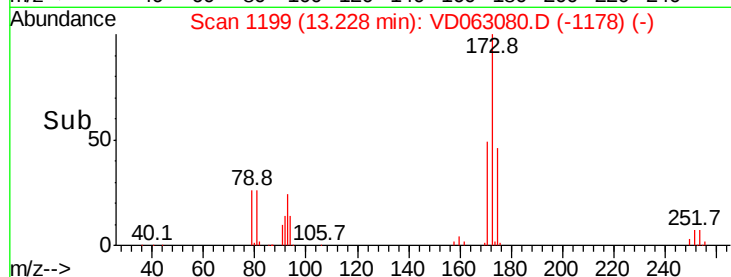
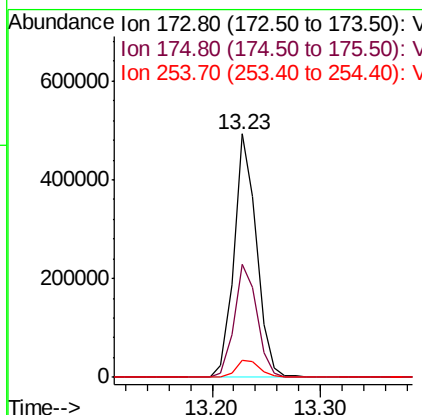
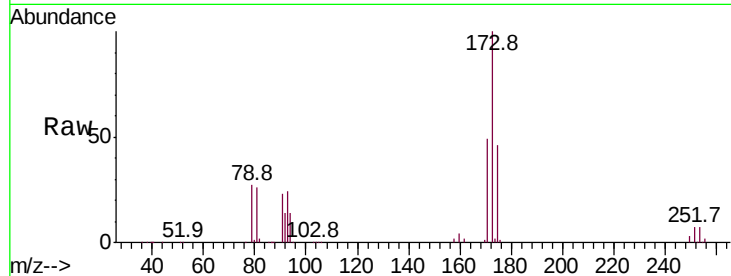
#71  
Bromoform  
Concen: 131.502 ug/l  
RT: 13.23 min Scan# 1199  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 46.3  | 23.4  | 70.2  |
| 254     | 7.2   | 5.4   | 8.0   |

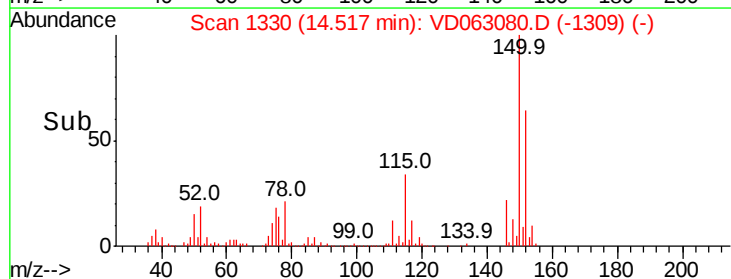
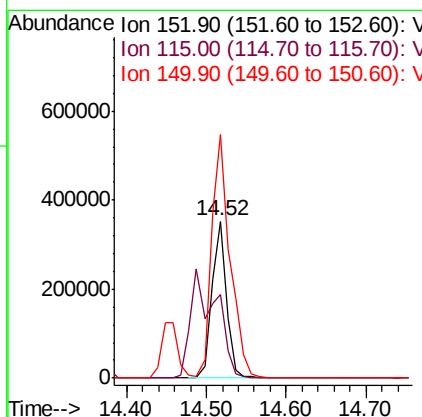
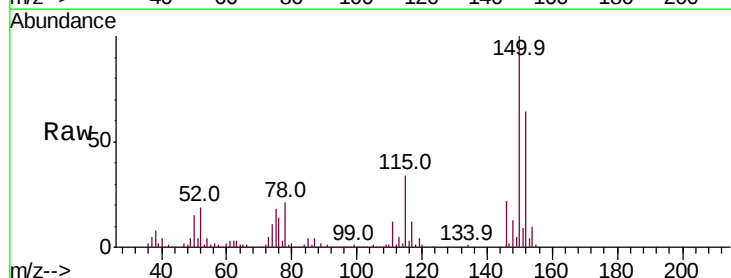
Manual Integrations  
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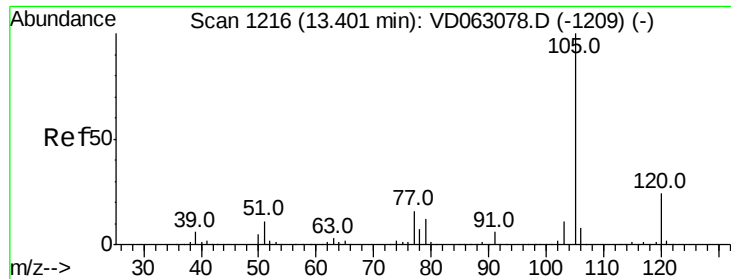
MMDadoda  
7/16/2019 9:15:12 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.52 min Scan# 1330  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.0  | 28.9  | 86.8  |
| 150     | 155.2 | 0.0   | 313.8 |





#73

Isopropylbenzene

Concen: 130.344 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleID :

VSTDICC100

Tot Ion:105 Resp: 3861519

Ion Ratio Lower Upper

105 100

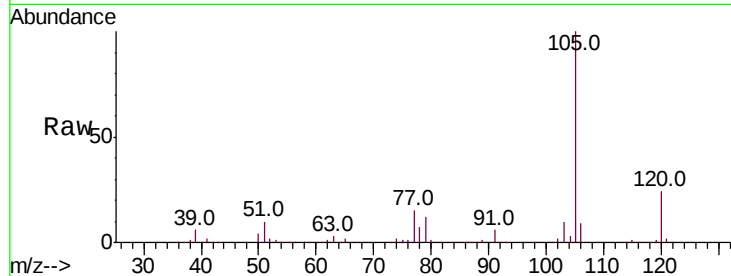
120 24.1 12.2 36.4

Manual Integrations

APPROVED

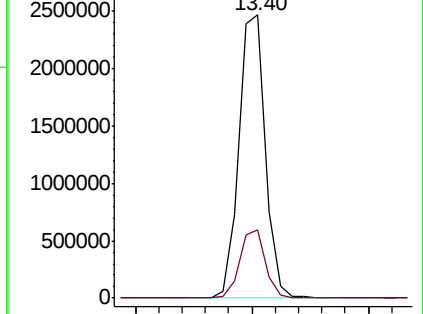
MMDadoda

7/16/2019 9:15:12 AM

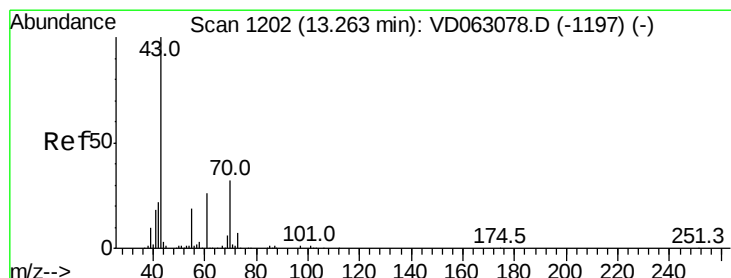
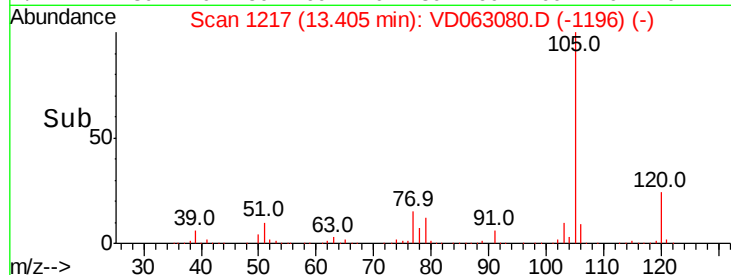


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 146.752 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Tgt Ion: 43 Resp: 1087947

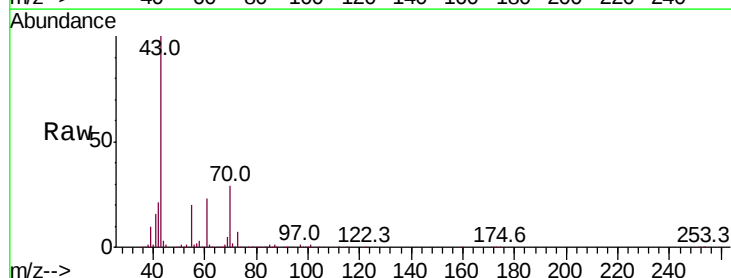
Ion Ratio Lower Upper

43 100

70 28.7 25.5 38.3

55 19.5 15.4 23.0

61 23.2 20.6 31.0

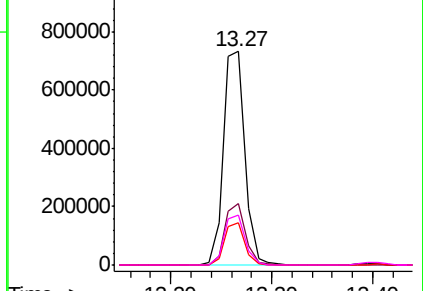


Abundance Ion 42.95 (42.65 to 43.65): VDC

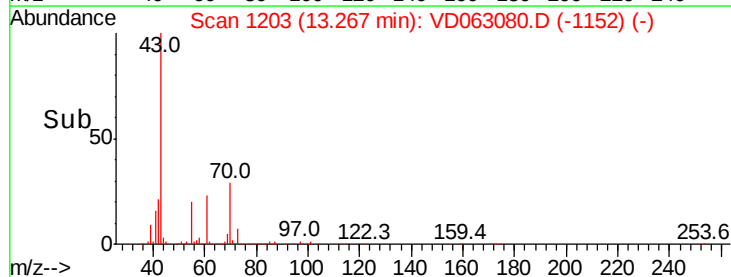
Ion 70.00 (69.70 to 70.70): VDC

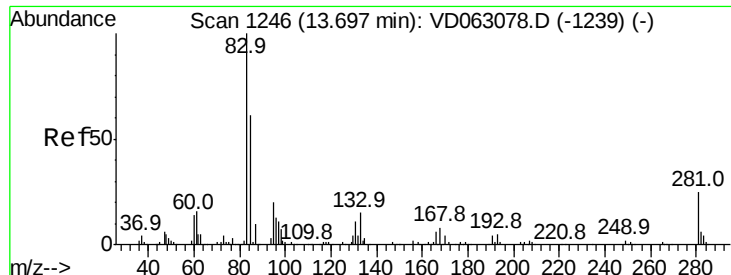
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 141.200 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 708307  
Ion Ratio Lower Upper

83 100

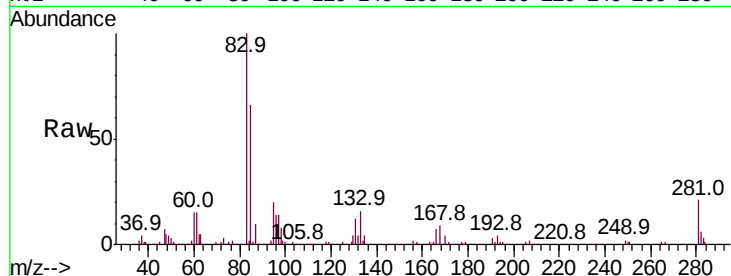
131 12.4 5.5 16.7

85 65.6 30.7 92.1

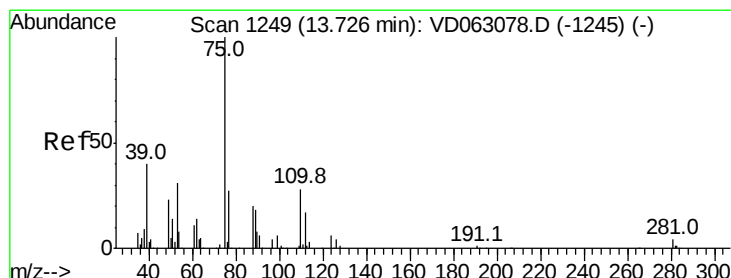
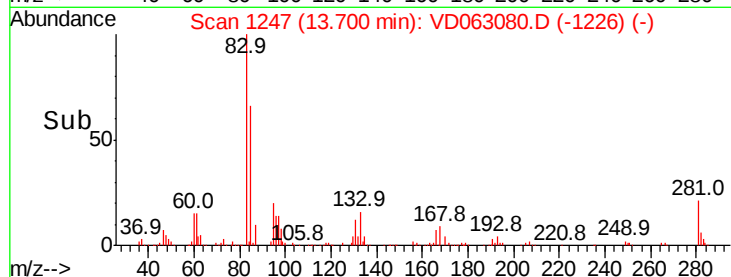
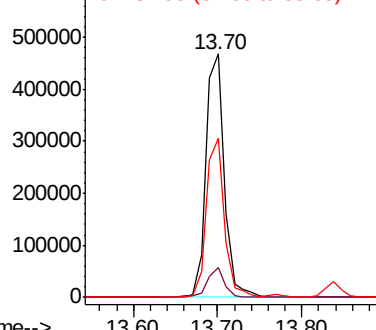
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Abundance Ion 82.95 (82.65 to 83.65): VDC  
Ion 130.90 (130.60 to 131.60): VDC  
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 138.550 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

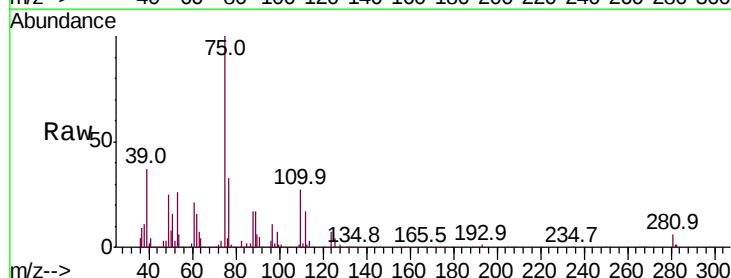
Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

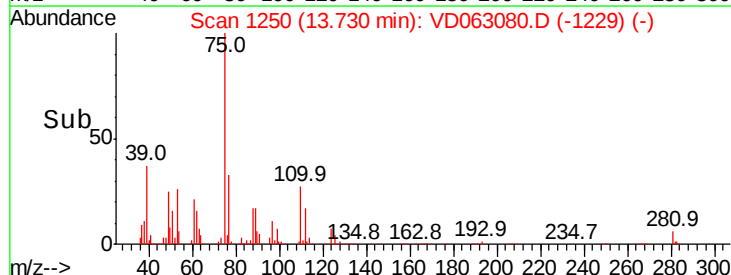
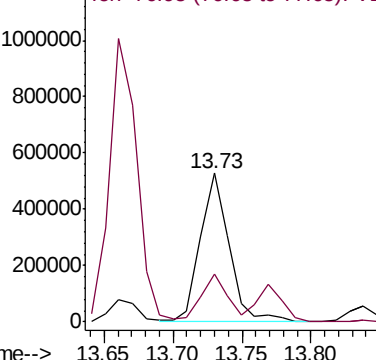
Tgt Ion: 75 Resp: 763508  
Ion Ratio Lower Upper

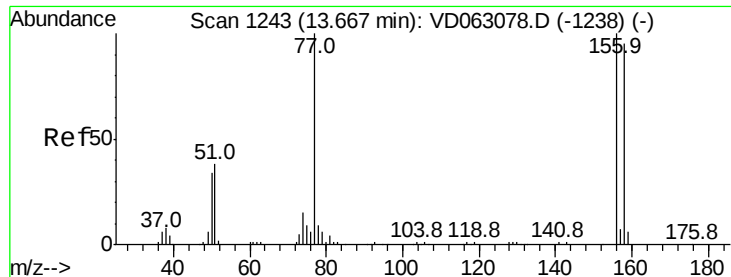
75 100

77 32.5 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 137.176 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 1100886

Ion Ratio Lower Upper

156 100

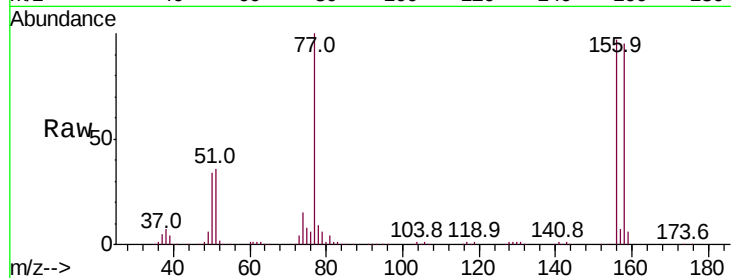
77 102.8 50.2 150.7

158 97.9 47.6 142.9

Manual Integrations  
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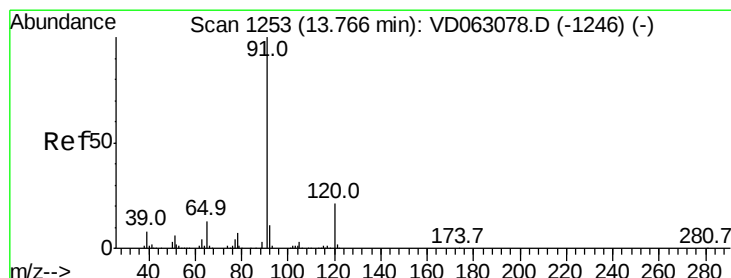
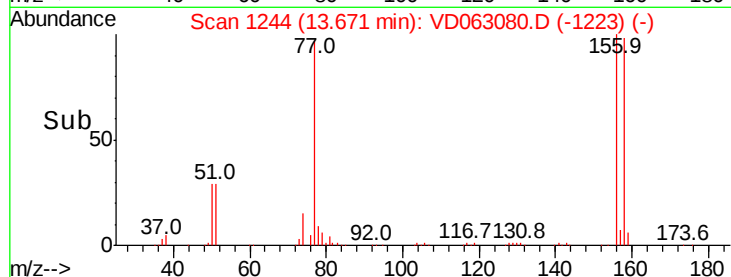
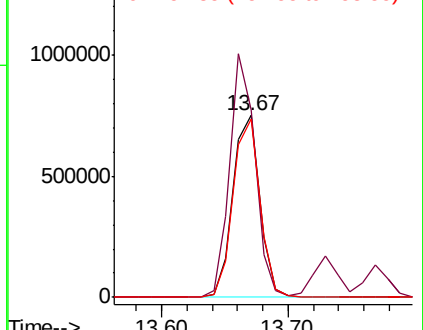
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 116.369 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063080.D

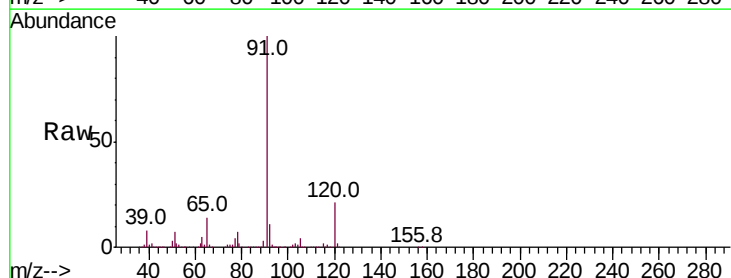
Acq: 15 Jul 2019 13:26

Tgt Ion: 91 Resp: 4073767

Ion Ratio Lower Upper

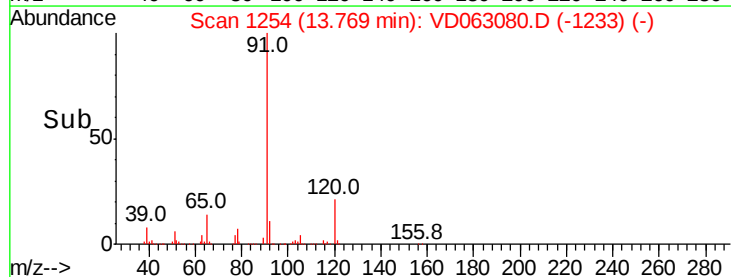
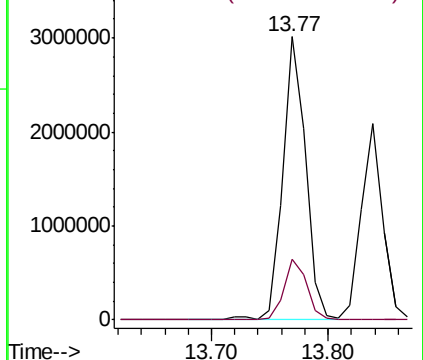
91 100

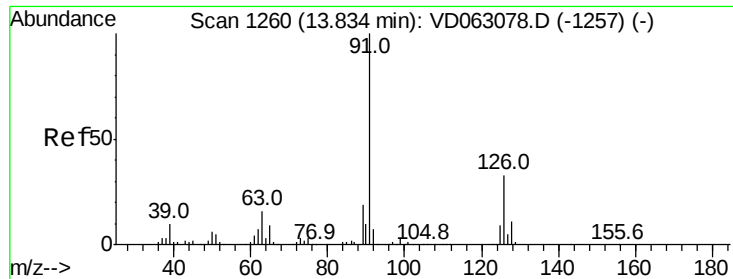
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 134.192 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2674142

Ion Ratio Lower Upper

91 100

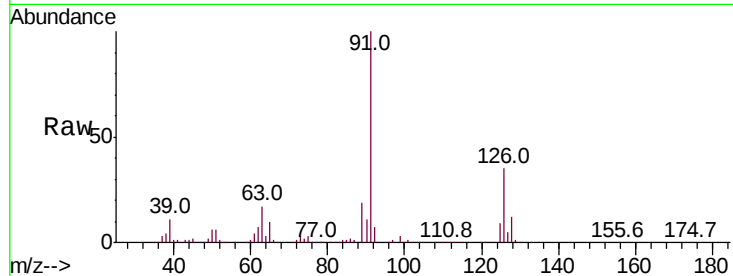
126 35.1 16.4 49.2

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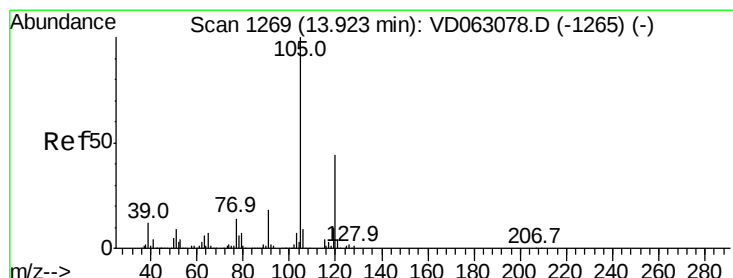
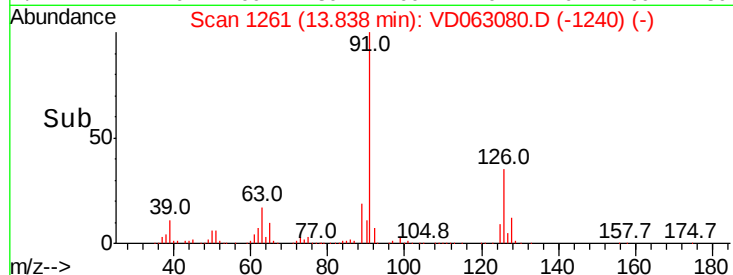
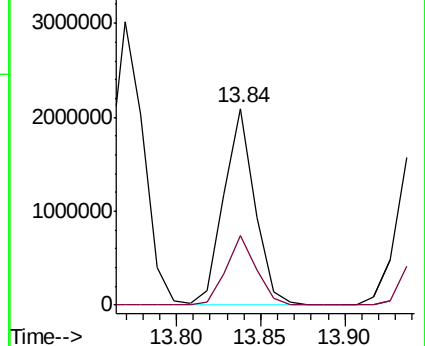
MMDadoda

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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: 132.225 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063080.D

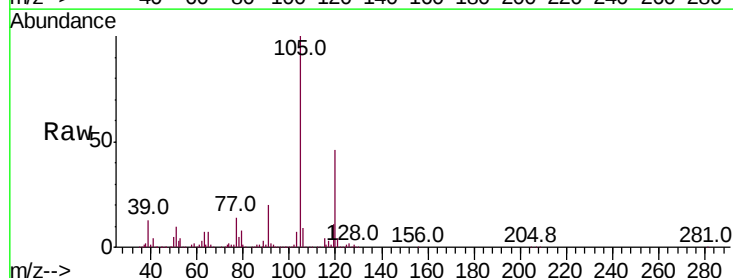
Acq: 15 Jul 2019 13:26

Tgt Ion:105 Resp: 3315561

Ion Ratio Lower Upper

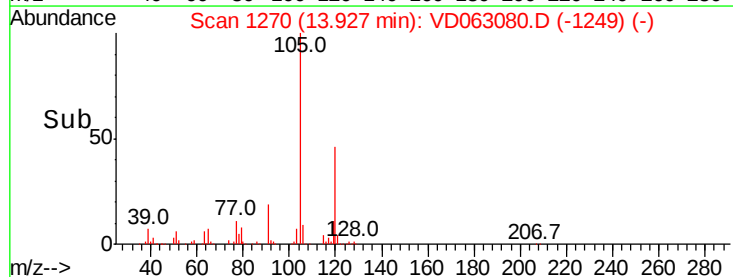
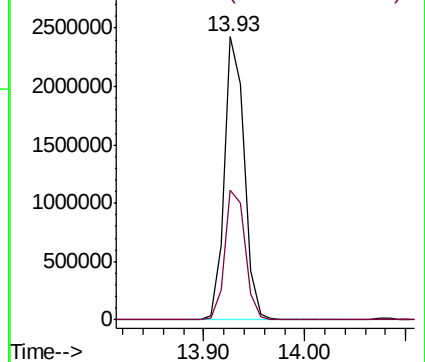
105 100

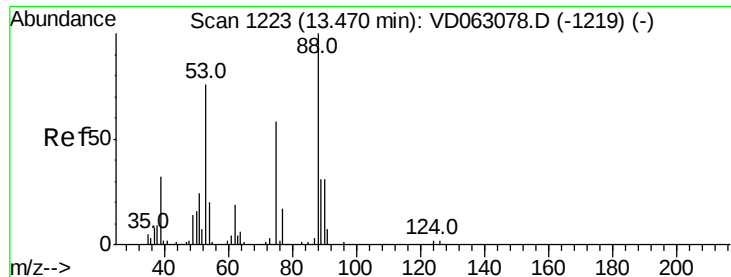
120 45.8 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





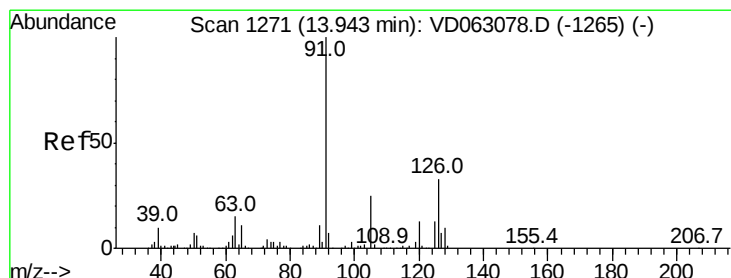
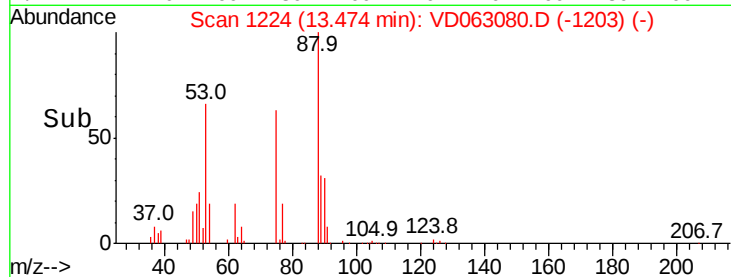
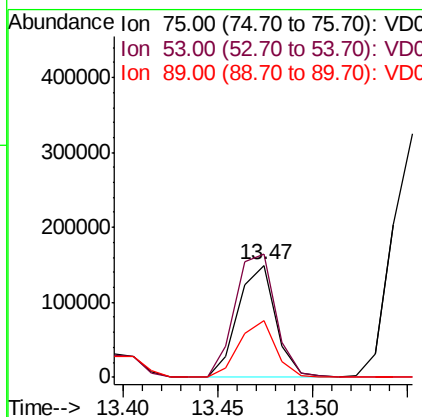
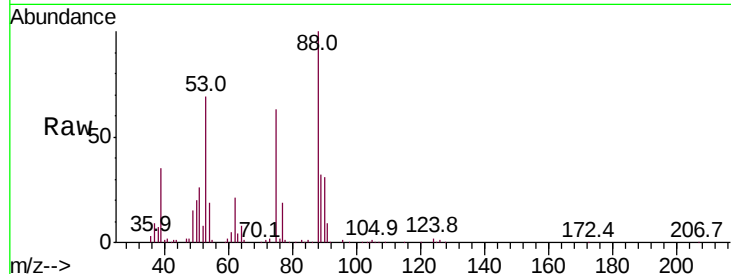
#81  
trans-1,4-Dichloro-2-butene  
Concen: 144.440 ug/l  
RT: 13.47 min Scan# 1224  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 109.4 | 104.4 | 156.6 |
| 89      | 50.1  | 43.1  | 64.7  |

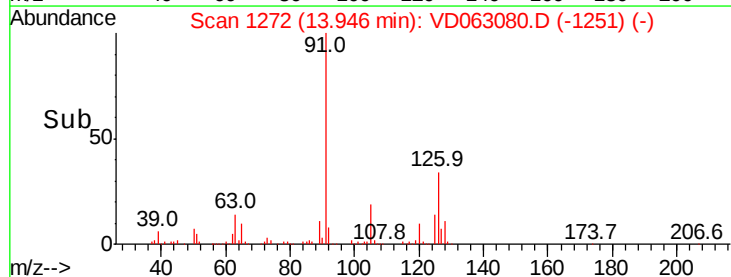
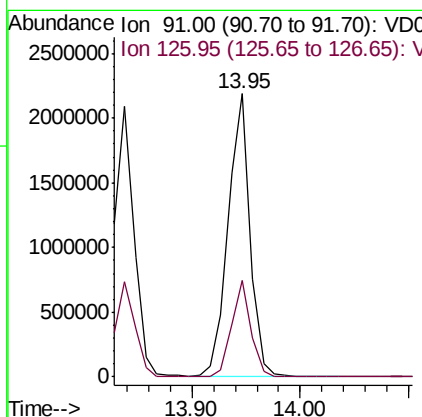
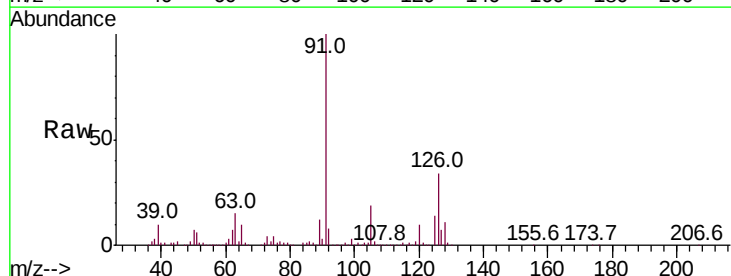
Manual Integrations  
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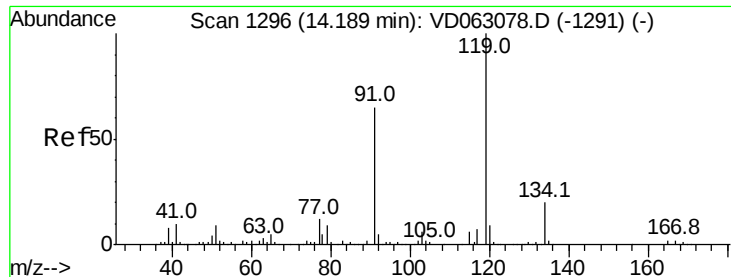
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#82  
4-Chlorotoluene  
Concen: 128.684 ug/l  
RT: 13.95 min Scan# 1272  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.1  | 16.7  | 50.1  |





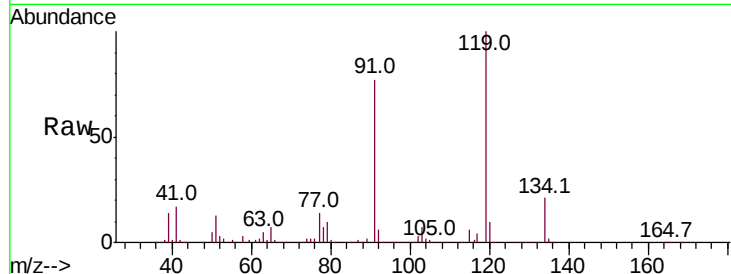
#83  
tert-Butylbenzene  
Concen: 133.943 ug/l  
RT: 14.18 min Scan# 1296  
Delta R.T. -0.01 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

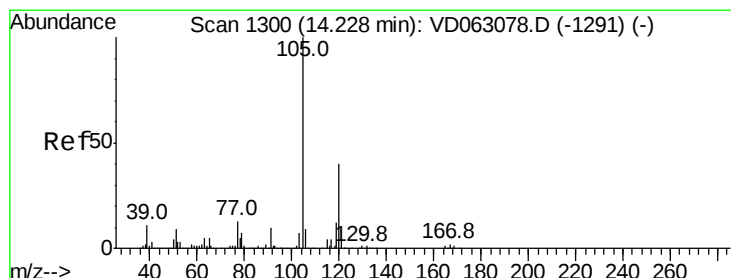
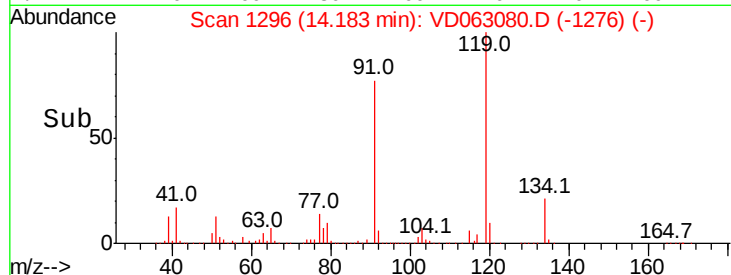
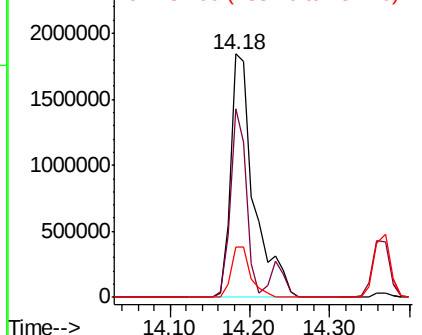
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 77.2  | 32.4  | 97.2  |
| 134     | 20.9  | 10.2  | 30.6  |

Manual Integrations  
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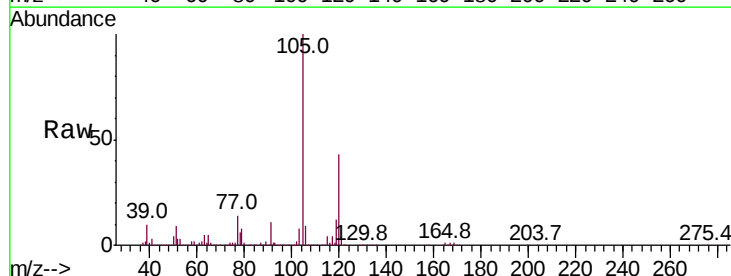


Abundance Ion 119.05 (118.75 to 119.75): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

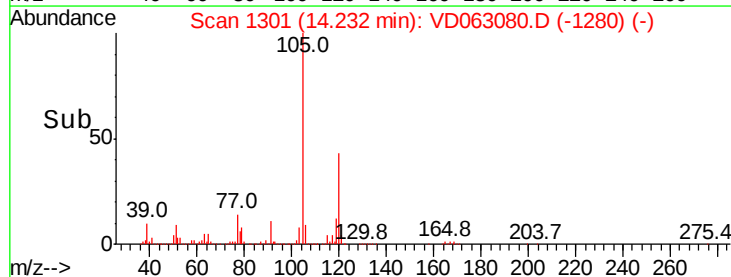
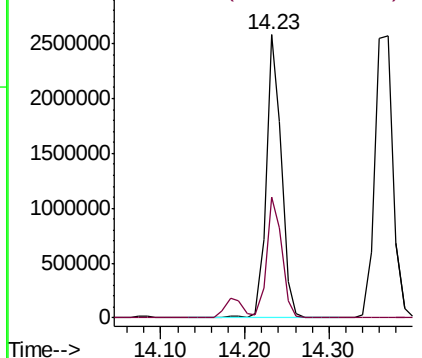


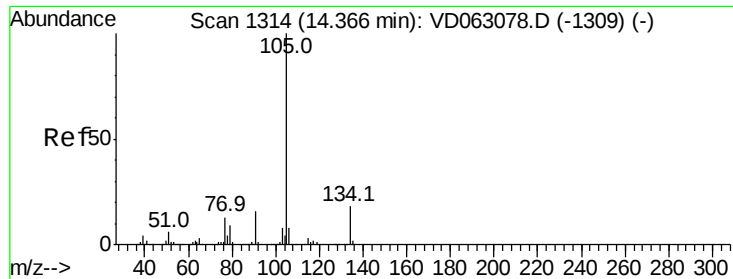
#84  
1,2,4-Trimethylbenzene  
Concen: 128.479 ug/l  
RT: 14.23 min Scan# 1301  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 42.8  | 20.2  | 60.6  |



Abundance Ion 105.05 (104.75 to 105.75): V  
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 126.705 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 3862071

Ion Ratio Lower Upper

105 100

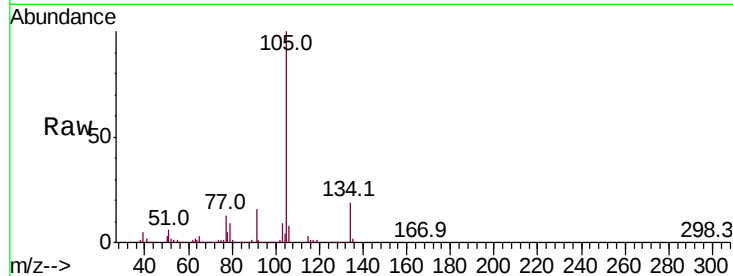
134 18.7 8.9 26.8

Manual Integrations

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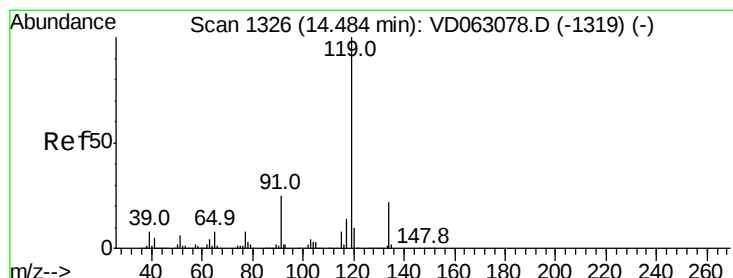
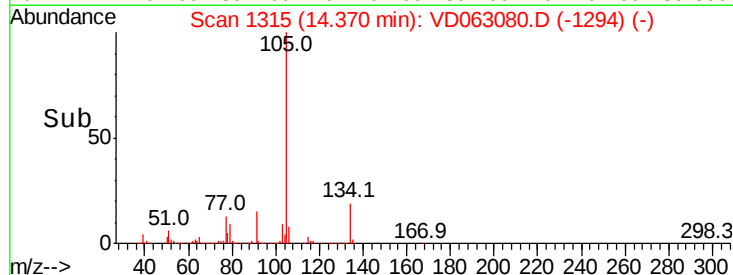
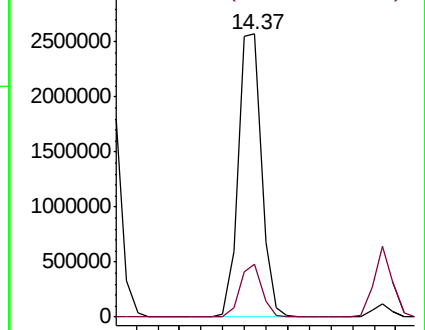
MMDadoda

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 126.558 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

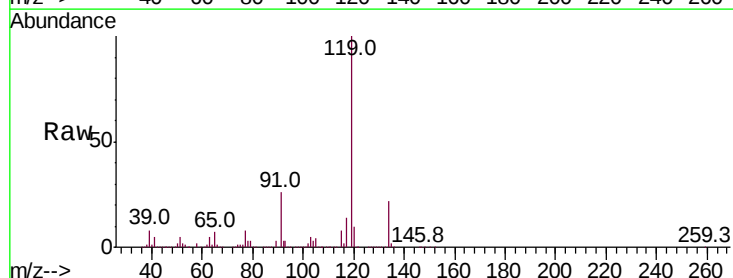
Tgt Ion:119 Resp: 3479374

Ion Ratio Lower Upper

119 100

134 22.0 10.8 32.4

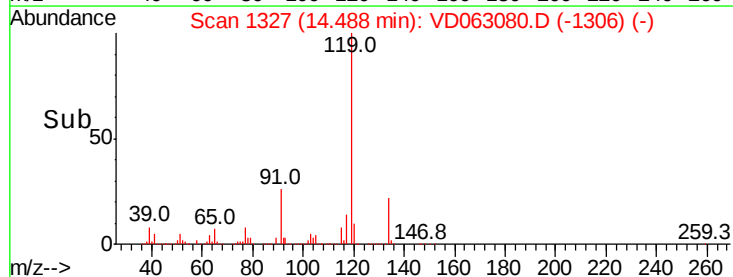
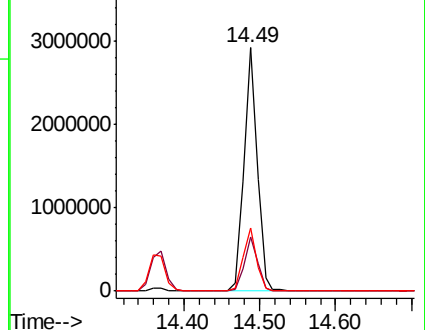
91 26.1 12.5 37.5

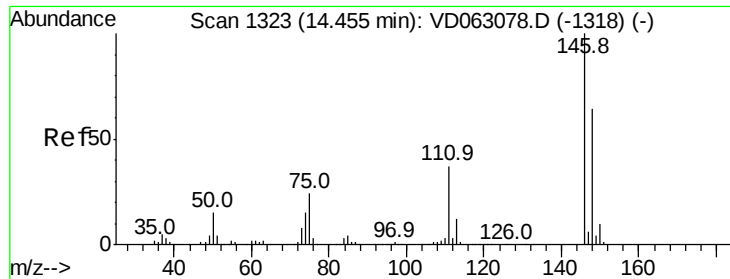


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 130.231 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

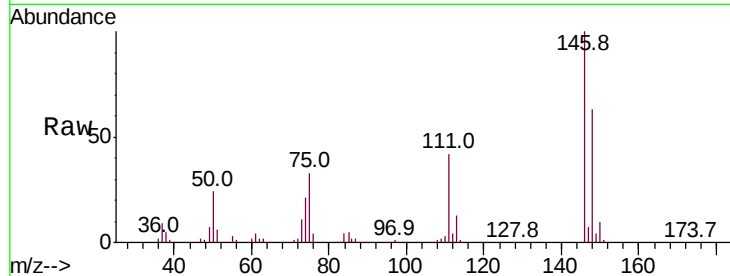
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion:146 Resp: 1869486

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 42.2  | 18.6  | 55.6  |
| 148 | 62.9  | 32.0  | 96.0  |

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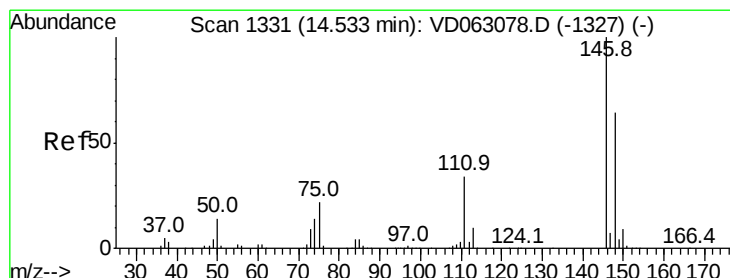
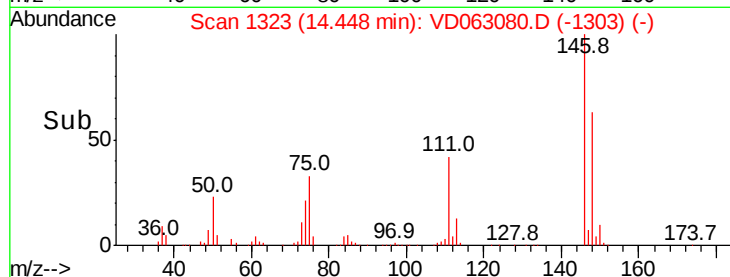
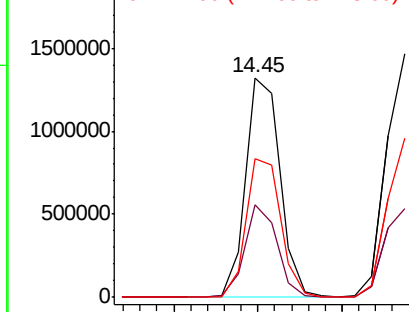
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7/16/2019 9:15:12 AM



Abundance Ion 145.95 (145.65 to 146.65): V

2000000 Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 127.220 ug/l

RT: 14.54 min Scan# 1332

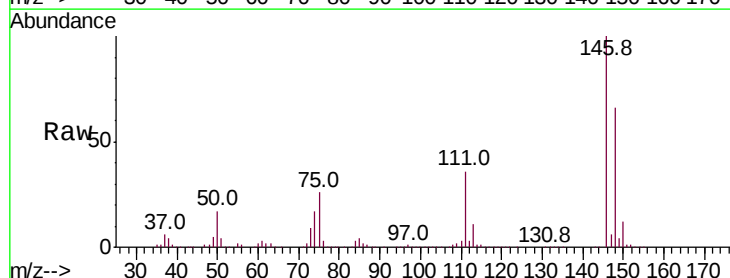
Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Tgt Ion:146 Resp: 1827142

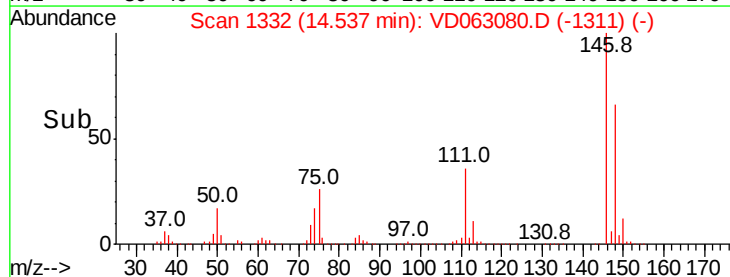
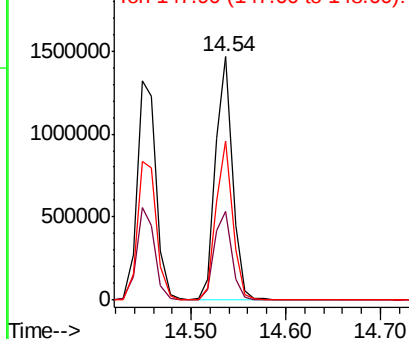
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 36.3  | 17.0  | 51.0  |
| 148 | 65.6  | 32.0  | 96.2  |

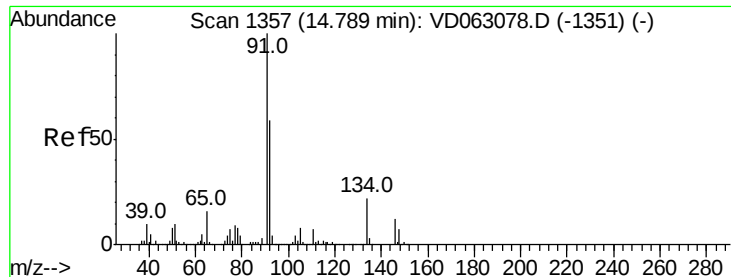


Abundance Ion 145.95 (145.65 to 146.65): V

2000000 Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





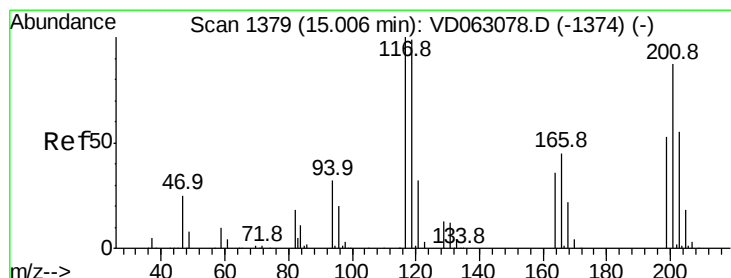
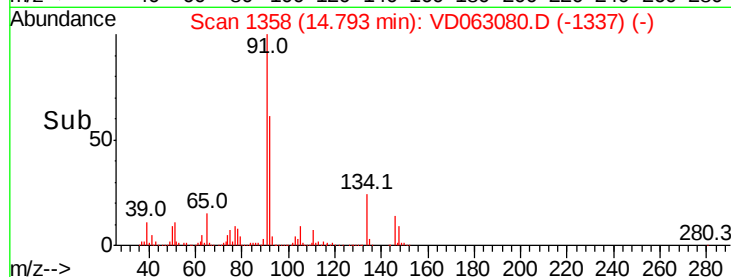
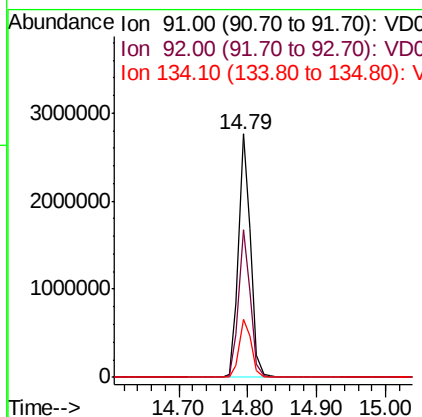
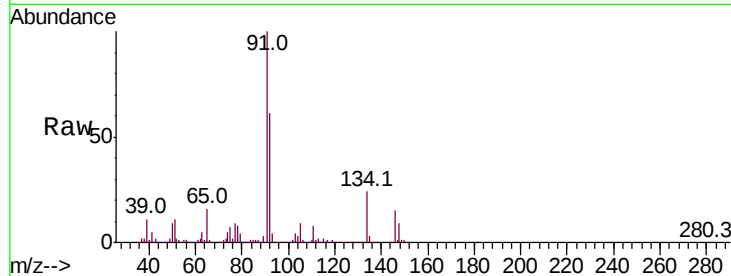
#89  
n-Butylbenzene  
Concen: 128.187 ug/l  
RT: 14.79 min Scan# 1358  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tot Ion: 91 Resp: 3343789  
Ion Ratio Lower Upper  
91 100  
92 60.5 29.4 88.3  
134 24.0 11.3 33.8

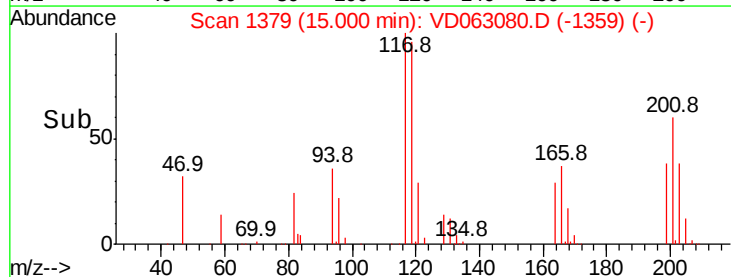
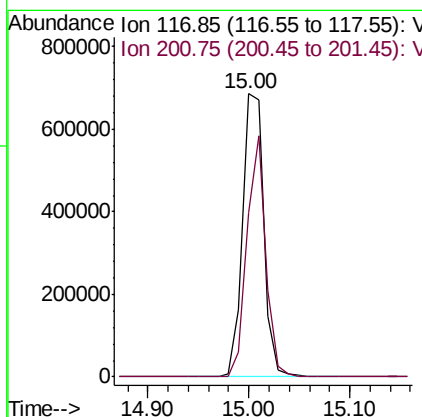
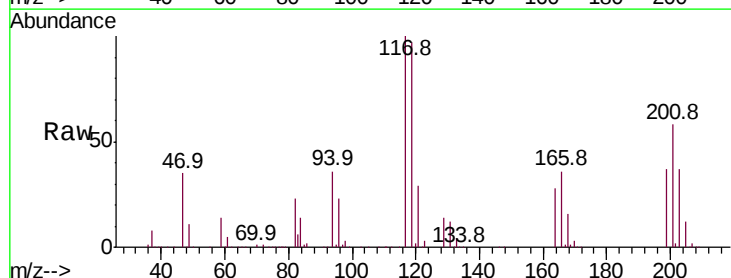
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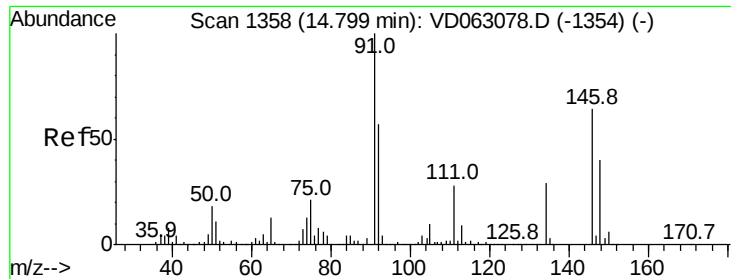
MMDadoda  
7/16/2019 9:15:12 AM



#90  
Hexachloroethane  
Concen: 134.722 ug/l  
RT: 15.00 min Scan# 1379  
Delta R.T. -0.01 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Tgt Ion: 117 Resp: 1006361  
Ion Ratio Lower Upper  
117 100  
201 58.2 43.4 130.1





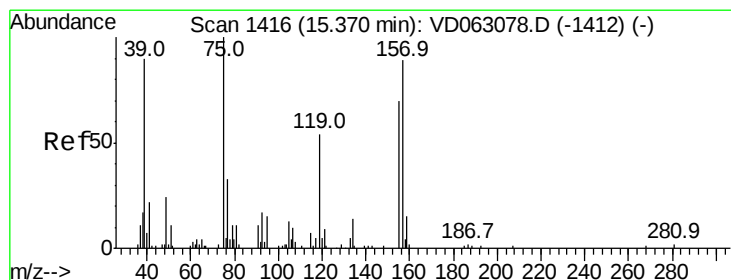
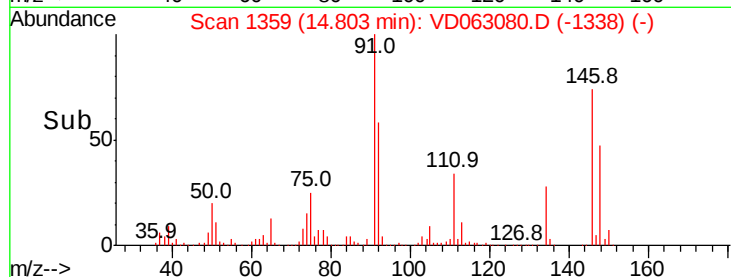
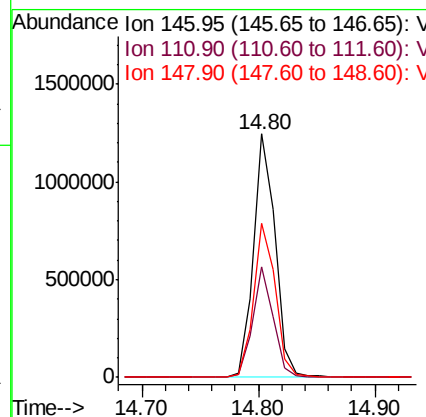
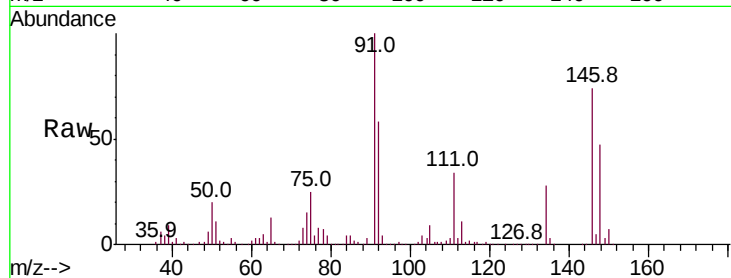
#91  
 1,2-Dichlorobenzene  
 Concen: 128.867 ug/l  
 RT: 14.80 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VD063080.D  
 Acq: 15 Jul 2019 13:26

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.4  | 21.9  | 65.5  |
| 148     | 63.5  | 31.5  | 94.5  |

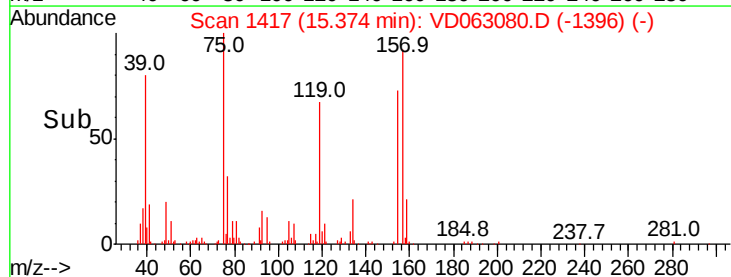
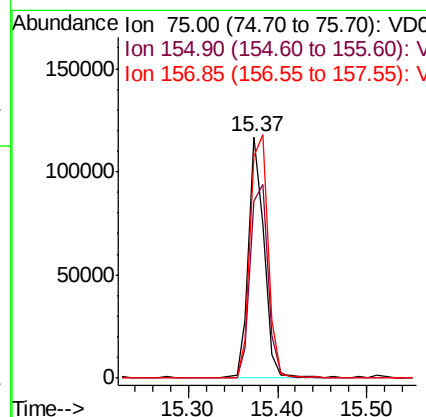
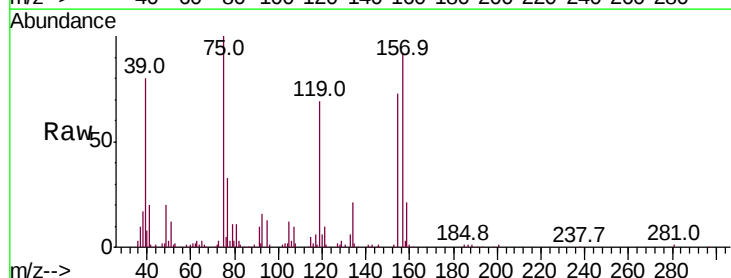
Manual Integrations  
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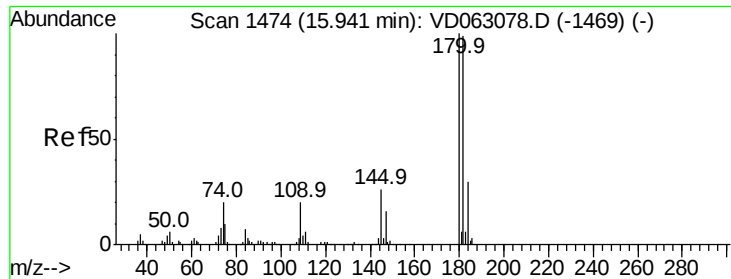
MMDadoda  
 7/16/2019 9:15:12 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 146.961 ug/l  
 RT: 15.37 min Scan# 1417  
 Delta R.T. 0.00 min  
 Lab File: VD063080.D  
 Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 73.5  | 34.8  | 104.3 |
| 157     | 92.0  | 44.7  | 134.1 |





#93

1,2,4-Trichlorobenzene

Concen: 133.564 ug/l

RT: 15.94 min Scan# 1475

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

Tot Ion:180 Resp: 1307067

Ion Ratio Lower Upper

180 100

182 101.4 49.5 148.3

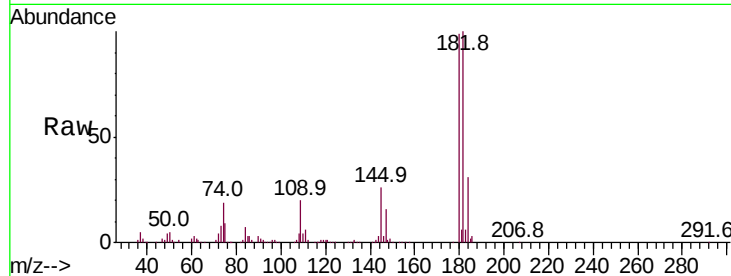
145 26.6 12.8 38.4

Manual Integrations

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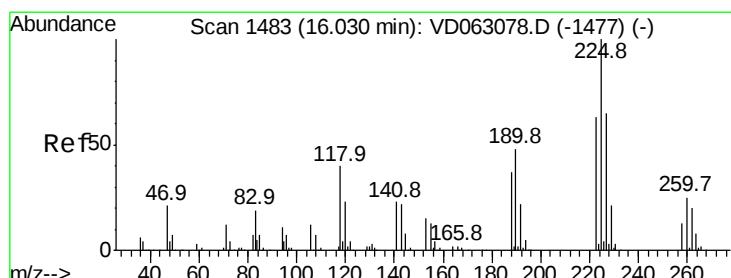
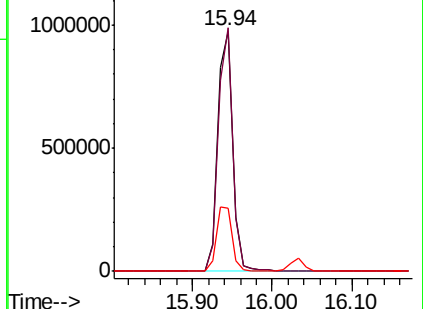
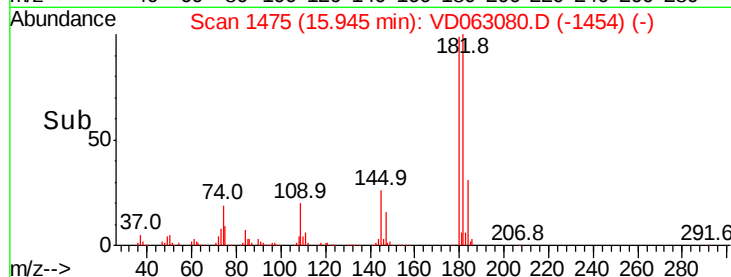
7/16/2019 9:15:12 AM



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94

Hexachlorobutadiene

Concen: 126.720 ug/l

RT: 16.03 min Scan# 1484

Delta R.T. 0.00 min

Lab File: VD063080.D

Acq: 15 Jul 2019 13:26

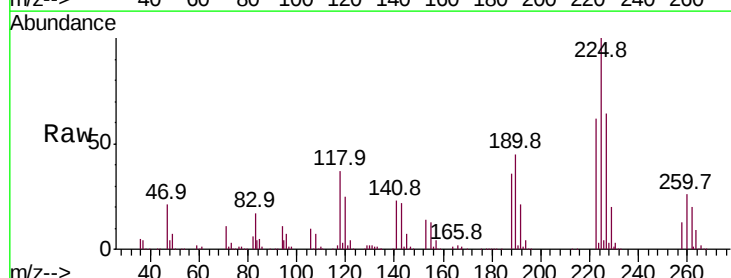
Tgt Ion:225 Resp: 937770

Ion Ratio Lower Upper

225 100

223 62.2 31.4 94.2

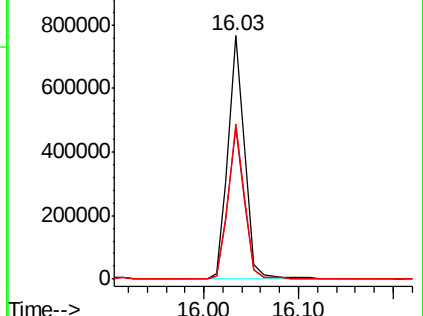
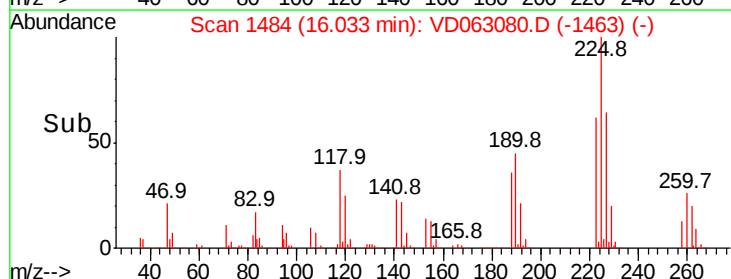
227 63.7 32.6 97.8

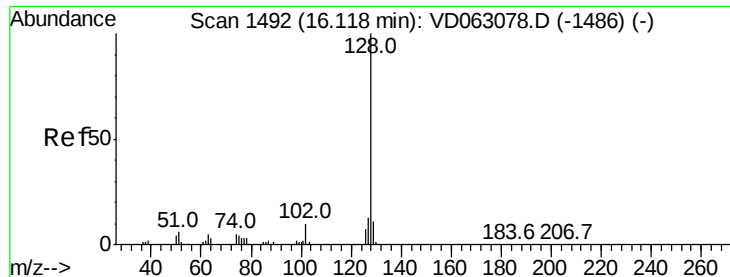


Abundance Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





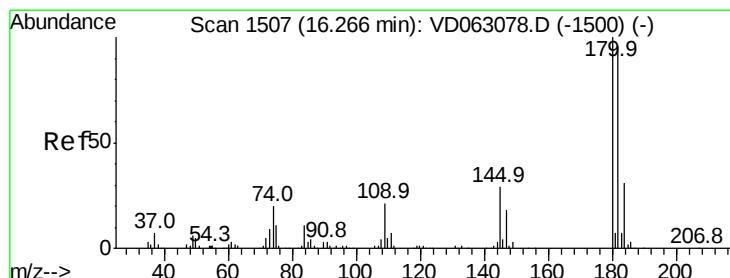
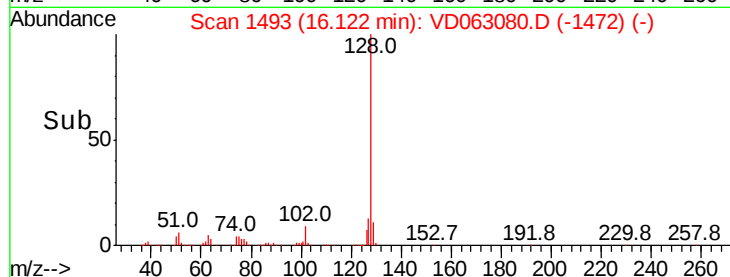
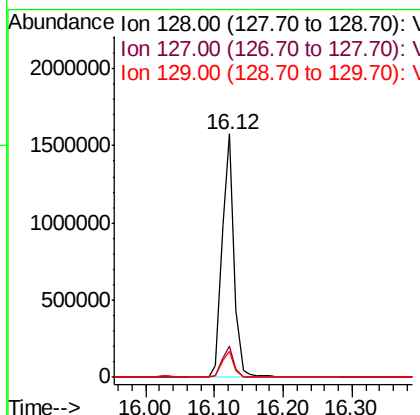
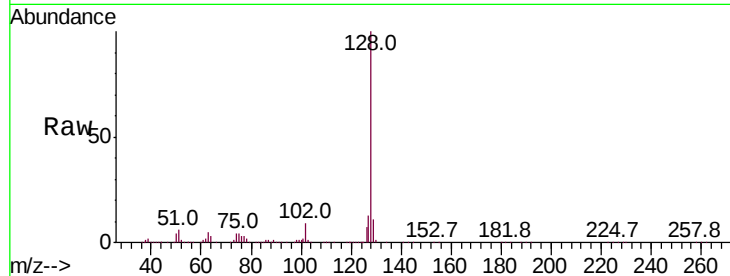
#95  
Naphthalene  
Concen: 139.779 ug/l  
RT: 16.12 min Scan# 1493  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.6  | 10.7  | 16.1  |
| 129     | 10.6  | 8.7   | 13.1  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 134.080 ug/l  
RT: 16.27 min Scan# 1508  
Delta R.T. 0.00 min  
Lab File: VD063080.D  
Acq: 15 Jul 2019 13:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 47.9  | 143.6 |
| 145     | 28.9  | 14.4  | 43.4  |

