

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\  
 Data File : VD063166.D  
 Acq On : 19 Jul 2019 20:59  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 7/22/2019 10:43:02 AM

Quant Time: Jul 20 05:50:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D071519S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 08:11:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.05  | 168  | 634839   | 50.00 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 8.22  | 114  | 853722   | 50.00 | ug/l  | 0.02     |
| 63) Chlorobenzene-d5       | 12.37 | 117  | 773176   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 405723   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 7.45   | 65  | 364925   | 46.15 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.30% |      |
| 35) Dibromofluoromethane    | 6.92   | 113 | 406988   | 47.86 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.72% |      |
| 50) Toluene-d8              | 10.41  | 98  | 800017   | 43.80 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.60% |      |
| 62) 4-Bromofluorobenzene    | 13.56  | 95  | 401464   | 47.51 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.02% |      |

| Target Compounds              |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.57 | 85  | 336894  | 49.851  | ug/l   | 98     |
| 3) Chloromethane              | 1.74 | 50  | 264118  | 45.668  | ug/l # | 84     |
| 4) Vinyl Chloride             | 1.84 | 62  | 283382  | 41.824  | ug/l   | 99     |
| 5) Bromomethane               | 2.15 | 94  | 148711  | 58.107  | ug/l   | 92     |
| 6) Chloroethane               | 2.26 | 64  | 141583  | 44.985  | ug/l # | 86     |
| 7) Trichlorofluoromethane     | 2.52 | 101 | 647256  | 47.190  | ug/l   | 95     |
| 8) Diethyl Ether              | 2.87 | 74  | 99737   | 51.693  | ug/l   | 94     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.14 | 101 | 353729  | 44.726  | ug/l   | 96     |
| 10) Methyl Iodide             | 3.30 | 142 | 431718  | 44.464  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 4.08 | 59  | 113290  | 248.232 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 3.12 | 96  | 251752  | 44.826  | ug/l   | 88     |
| 13) Acrolein                  | 3.02 | 56  | 12845   | 93.252  | ug/l # | 75     |
| 14) Allyl chloride            | 3.62 | 41  | 406426  | 46.045  | ug/l   | 93     |
| 15) Acrylonitrile             | 4.20 | 53  | 259524  | 257.247 | ug/l   | 99     |
| 16) Acetone                   | 3.22 | 43  | 415592  | 217.582 | ug/l   | 96     |
| 17) Carbon Disulfide          | 3.37 | 76  | 636835  | 39.615  | ug/l   | 98     |
| 18) Methyl Acetate            | 3.63 | 43  | 149627  | 58.608  | ug/l   | 95     |
| 19) Methyl tert-butyl Ether   | 4.24 | 73  | 680654  | 48.011  | ug/l   | 99     |
| 20) Methylene Chloride        | 3.81 | 84  | 294216  | 40.773  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 4.21 | 96  | 276513  | 44.351  | ug/l   | 92     |
| 22) Diisopropyl ether         | 5.12 | 45  | 898683  | 46.829  | ug/l   | 96     |
| 23) Vinyl Acetate             | 5.05 | 43  | 2927555 | 261.477 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 4.98 | 63  | 573038  | 48.475  | ug/l   | 98     |
| 25) 2-Butanone                | 6.08 | 43  | 465306  | 255.111 | ug/l   | 95     |
| 26) 2,2-Dichloropropane       | 6.03 | 77  | 570448  | 43.602  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.04 | 96  | 326125  | 45.984  | ug/l   | 90     |
| 28) Bromochloromethane        | 6.44 | 49  | 198943  | 46.388  | ug/l   | 90     |
| 29) Tetrahydrofuran           | 6.46 | 42  | 203524  | 246.157 | ug/l   | 99     |
| 30) Chloroform                | 6.67 | 83  | 737415  | 50.651  | ug/l   | 97     |
| 31) Cyclohexane               | 6.95 | 56  | 329066  | 43.710  | ug/l   | 92     |
| 32) 1,1,1-Trichloroethane     | 6.87 | 97  | 728528  | 50.747  | ug/l   | 93     |
| 36) 1,1-Dichloropropene       | 7.15 | 75  | 436929  | 45.506  | ug/l   | 94     |
| 37) Ethyl Acetate             | 6.18 | 43  | 235446  | 57.297  | ug/l # | 94     |
| 38) Carbon Tetrachloride      | 7.11 | 117 | 708963m | 48.593  | ug/l   |        |

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 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 7/22/2019 10:43:02 AM

Quant Time: Jul 20 05:50:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D071519S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 08:11:56 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 8.86  | 83   | 372779   | 44.908   | ug/l   | 95       |
| 40) Benzene                    | 7.45  | 78   | 899429   | 44.726   | ug/l   | 95       |
| 41) Methacrylonitrile          | 6.45  | 41   | 268171   | 48.136   | ug/l # | 88       |
| 42) 1,2-Dichloroethane         | 7.58  | 62   | 568727   | 53.084   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 9.25  | 43   | 315324   | 53.535   | ug/l # | 96       |
| 44) Trichloroethene            | 8.54  | 130  | 361539   | 46.520   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 8.94  | 63   | 237630   | 47.395   | ug/l   | 94       |
| 46) Dibromomethane             | 9.07  | 93   | 220978   | 51.289   | ug/l   | 88       |
| 47) Bromodichloromethane       | 9.38  | 83   | 591111   | 52.576   | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.13  | 41   | 195657   | 50.584   | ug/l # | 85       |
| 49) 1,4-Dioxane                | 9.09  | 88   | 36399    | 1091.161 | ug/l # | 77       |
| 51) 4-Methyl-2-Pentanone       | 10.31 | 43   | 1134459  | 290.396  | ug/l   | 98       |
| 52) Toluene                    | 10.52 | 92   | 667916   | 49.738   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.92 | 75   | 474383   | 49.248   | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene    | 10.04 | 75   | 474114   | 47.602   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 11.20 | 97   | 232750   | 50.154   | ug/l   | 96       |
| 56) Ethyl methacrylate         | 11.05 | 69   | 276797   | 53.383   | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 11.41 | 76   | 378785   | 53.640   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.86  | 63   | 644121   | 223.103  | ug/l   | 97       |
| 59) 2-Hexanone                 | 11.54 | 43   | 777559   | 258.086  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.69 | 129  | 438428   | 49.285   | ug/l   | 93       |
| 61) 1,2-Dibromoethane          | 11.81 | 107  | 301971   | 54.361   | ug/l   | 92       |
| 64) Tetrachloroethene          | 11.26 | 164  | 364597   | 48.598   | ug/l   | 97       |
| 65) Chlorobenzene              | 12.41 | 112  | 844924   | 46.488   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.51 | 131  | 386137   | 45.824   | ug/l   | 97       |
| 67) Ethyl Benzene              | 12.52 | 91   | 1467265  | 46.462   | ug/l   | 98       |
| 68) m/p-Xylenes                | 12.67 | 106  | 957433   | 84.647   | ug/l   | 98       |
| 69) o-Xylene                   | 13.06 | 106  | 484099   | 45.137   | ug/l   | 96       |
| 70) Styrene                    | 13.08 | 104  | 804826   | 42.871   | ug/l   | 98       |
| 71) Bromoform                  | 13.23 | 173  | 308061   | 52.219   | ug/l   | 96       |
| 73) Isopropylbenzene           | 13.41 | 105  | 1528793  | 48.792   | ug/l   | 99       |
| 74) N-amyl acetate             | 13.27 | 43   | 443945   | 50.804   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.71 | 83   | 316202   | 55.466   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 13.74 | 75   | 331346   | 53.090   | ug/l   | 98       |
| 77) Bromobenzene               | 13.68 | 156  | 442756   | 49.829   | ug/l   | 97       |
| 78) n-propylbenzene            | 13.77 | 91   | 1807222  | 50.121   | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 13.84 | 91   | 1050877  | 48.203   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 13.93 | 105  | 1211814  | 44.376   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 13.48 | 75   | 77563    | 47.193   | ug/l   | 87       |
| 82) 4-Chlorotoluene            | 13.95 | 91   | 1195744  | 46.970   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 14.19 | 119  | 1452405  | 47.038   | ug/l   | 84       |
| 84) 1,2,4-Trimethylbenzene     | 14.24 | 105  | 1285253  | 47.208   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 14.37 | 105  | 1483182  | 45.210   | ug/l   | 93       |
| 86) p-Isopropyltoluene         | 14.49 | 119  | 1455804  | 47.568   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 14.46 | 146  | 734124   | 46.264   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 718988   | 47.263   | ug/l   | 96       |
| 89) n-Butylbenzene             | 14.80 | 91   | 1305547  | 46.282   | ug/l   | 98       |
| 90) Hexachloroethane           | 15.01 | 117  | 382871   | 46.797   | ug/l   | 76       |
| 91) 1,2-Dichlorobenzene        | 14.81 | 146  | 656471   | 46.460   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.38 | 75   | 57271    | 52.412   | ug/l   | 87       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\  
Data File : VD063166.D  
Acq On : 19 Jul 2019 20:59  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

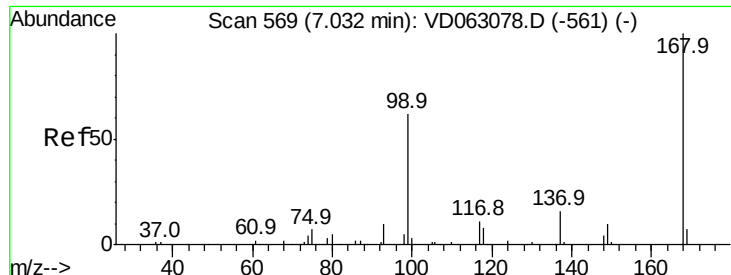
MMDadoda  
7/22/2019 10:43:02 AM

Quant Time: Jul 20 05:50:31 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D071519S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 16 08:11:56 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.95 | 180  | 549576   | 51.770 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 16.04 | 225  | 379579   | 48.511 | ug/l  | 96       |
| 95) Naphthalene            | 16.13 | 128  | 844426   | 54.380 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 16.28 | 180  | 430525   | 50.414 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 634839

Ion Ratio Lower Upper

168 100

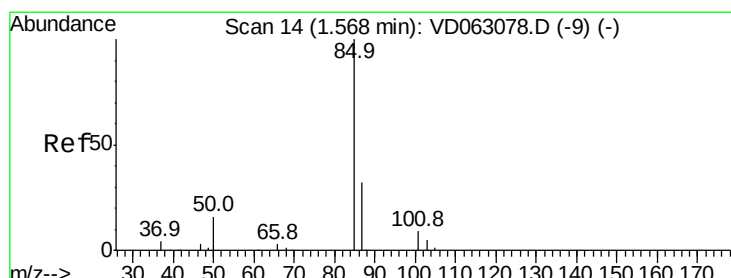
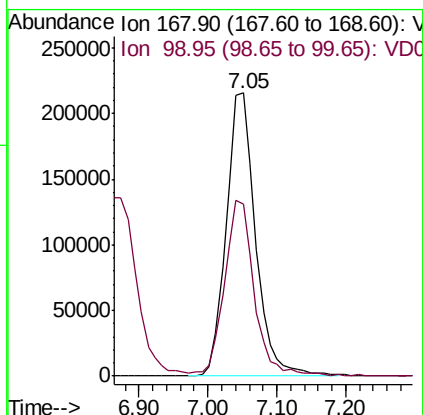
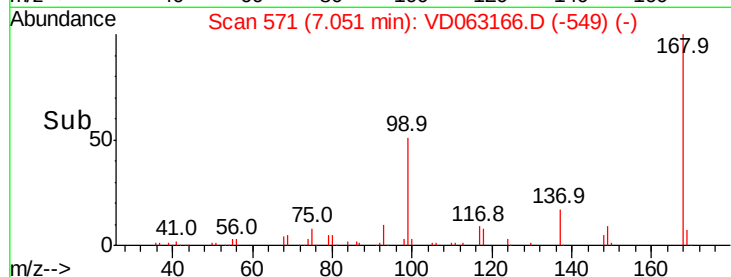
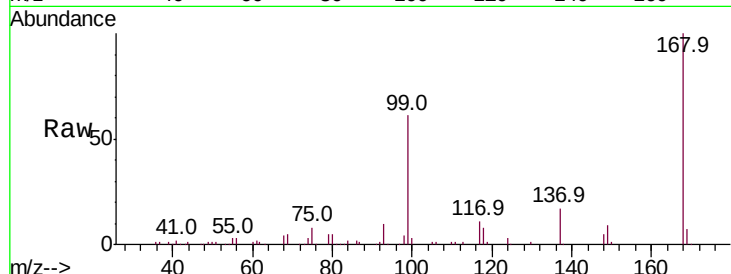
99 60.9 50.8 76.2

Manual Integrations

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7/22/2019 10:43:02 AM



#2

Dichlorodifluoromethane

Concen: 49.851 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063166.D

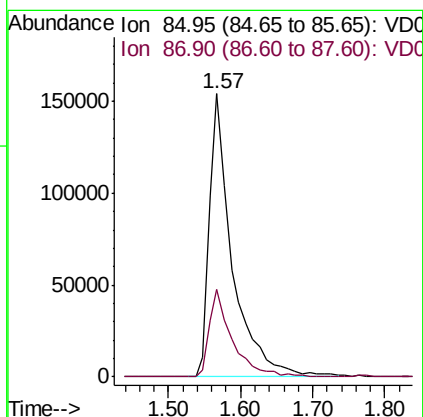
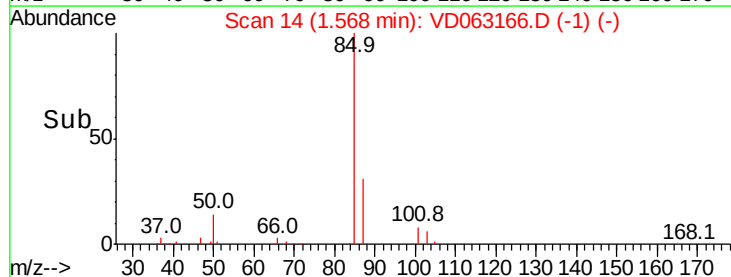
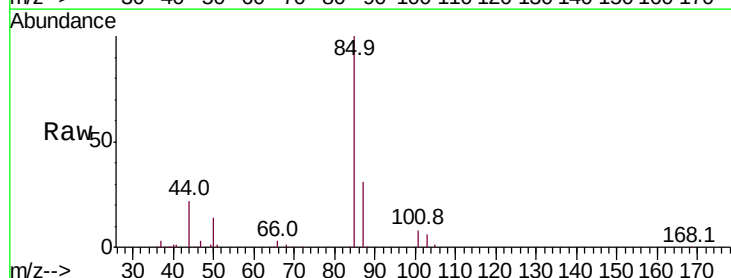
Acq: 19 Jul 2019 20:59

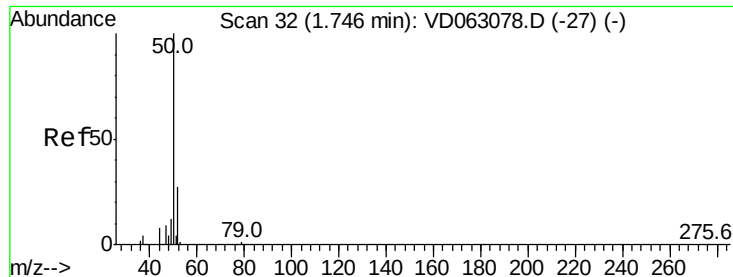
Tgt Ion: 85 Resp: 336894

Ion Ratio Lower Upper

85 100

87 30.9 15.9 47.7





#3

Chloromethane

Concen: 45.668 ug/l

RT: 1.74 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 264118

Ion Ratio Lower Upper

50 100

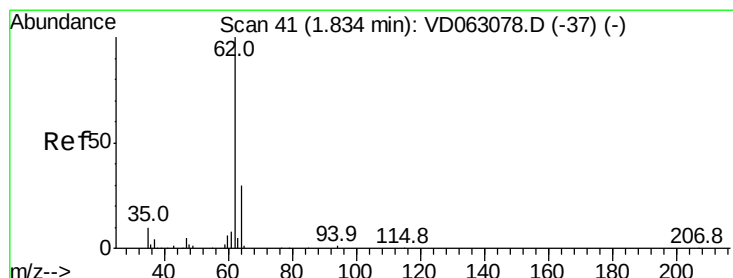
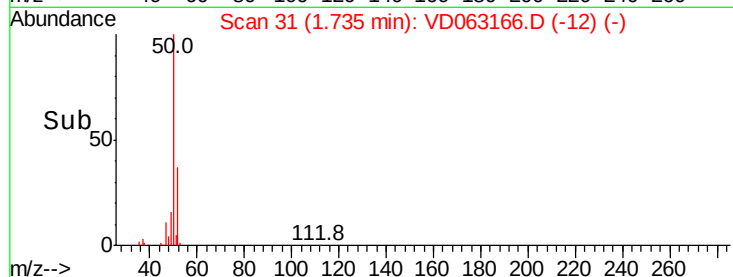
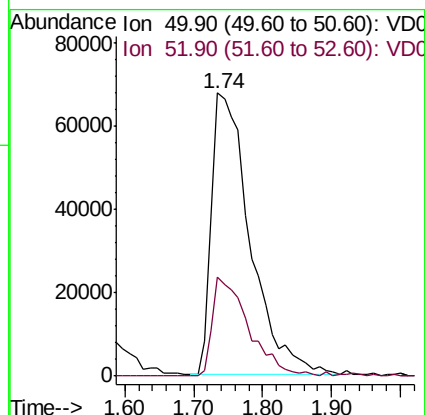
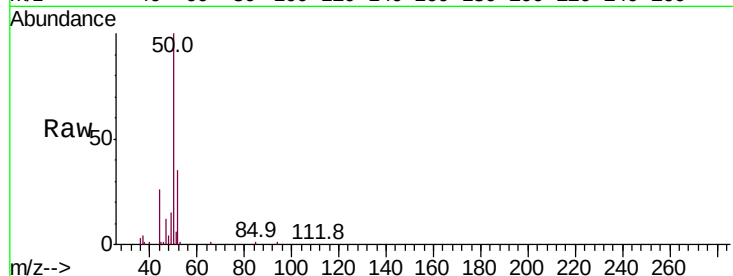
52 35.2 21.4 32.2#

Manual Integrations

APPROVED

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7/22/2019 10:43:02 AM



#4

Vinyl Chloride

Concen: 41.824 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063166.D

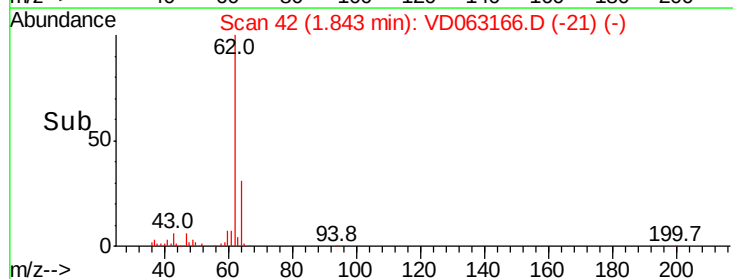
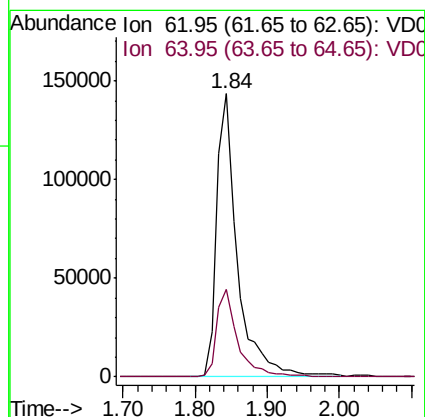
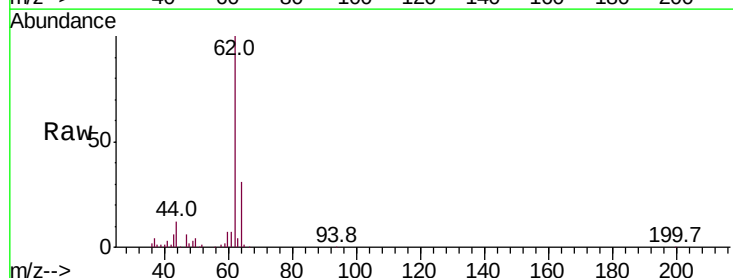
Acq: 19 Jul 2019 20:59

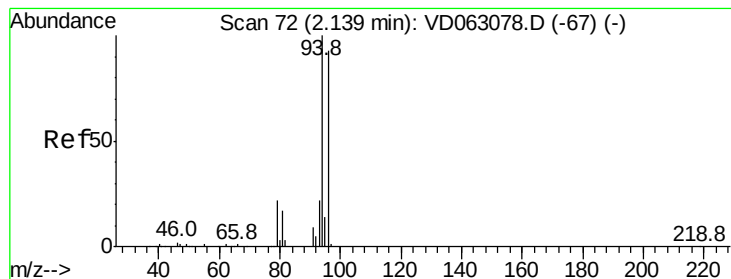
Tgt Ion: 62 Resp: 283382

Ion Ratio Lower Upper

62 100

64 31.0 24.4 36.6





#5

Bromomethane

Concen: 58.107 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

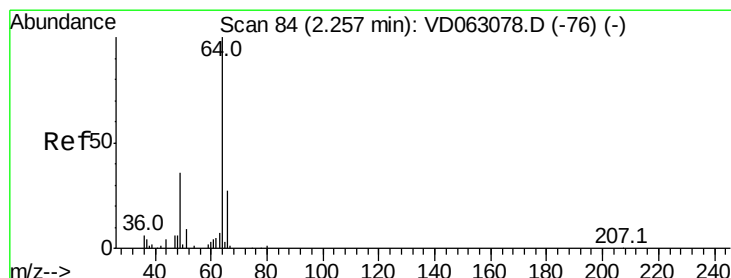
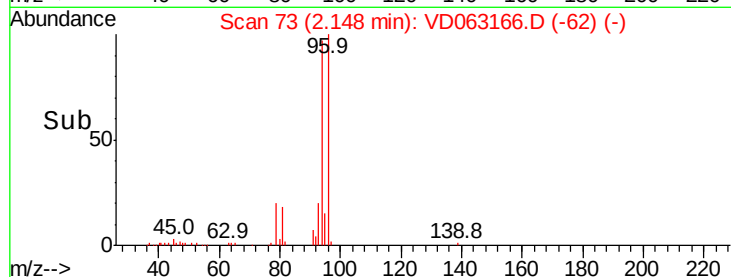
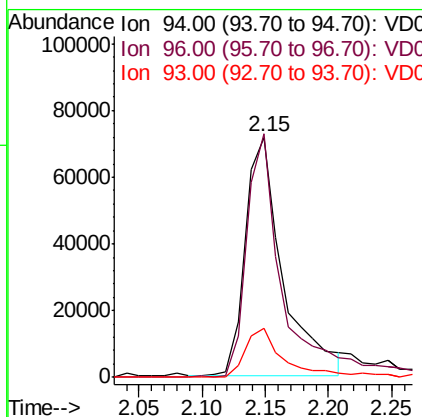
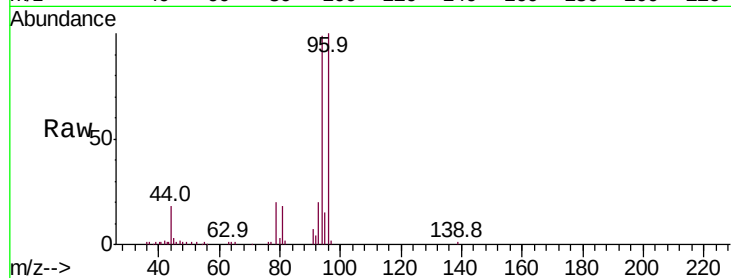
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 94    | Resp: | 148711 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 96       | 101.5 | 74.2  | 111.2  |
| 93       | 20.5  | 17.8  | 26.6   |

Manual Integrations  
APPROVED

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7/22/2019 10:43:02 AM



#6

Chloroethane

Concen: 44.985 ug/l

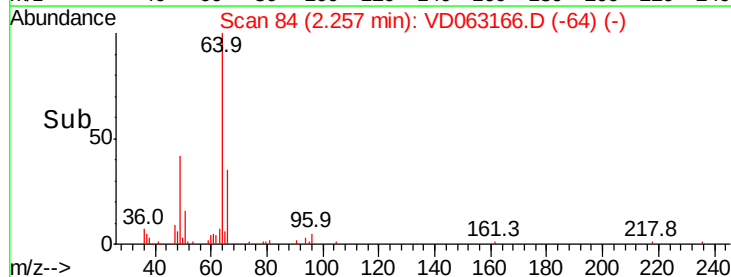
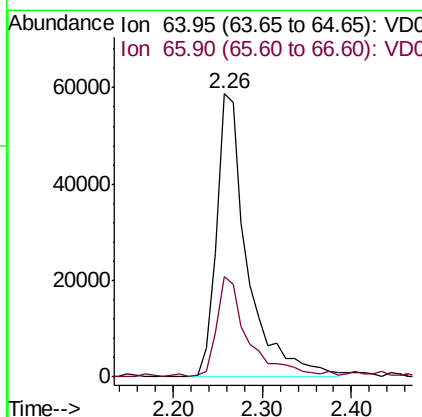
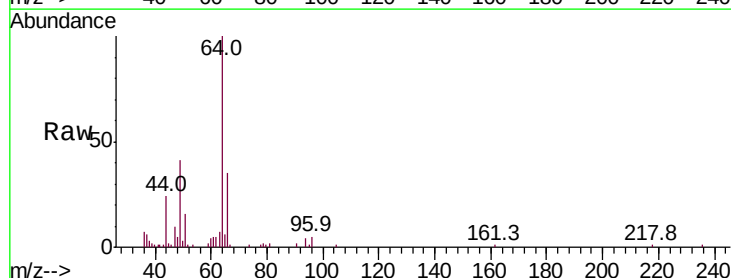
RT: 2.26 min Scan# 84

Delta R.T. -0.00 min

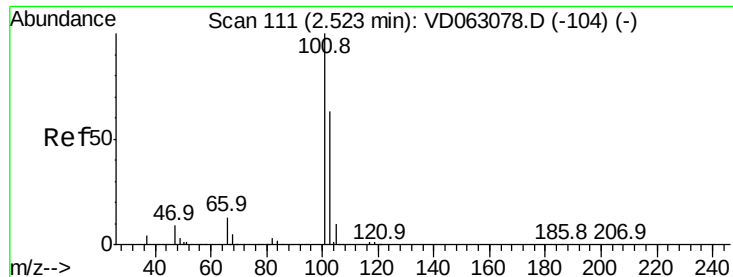
Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 64    | Resp: | 141583 |
| Ion      | Ratio | Lower | Upper  |
| 64       | 100   |       |        |
| 66       | 35.3  | 22.5  | 33.7#  |







#7

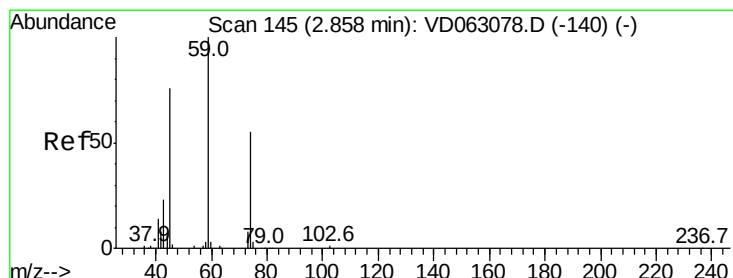
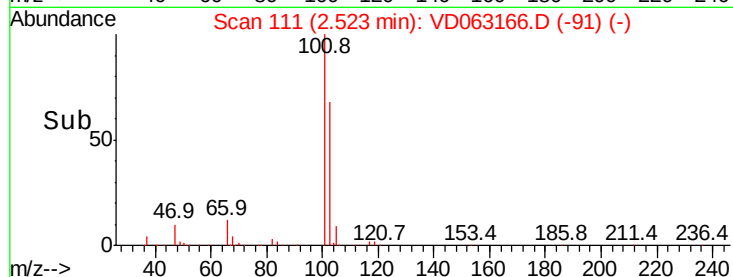
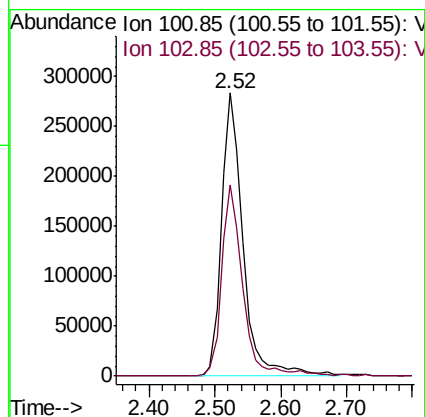
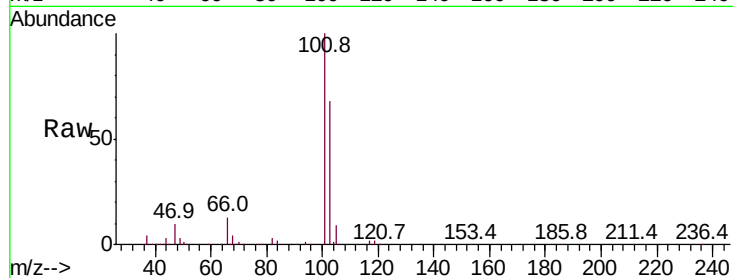
Trichlorofluoromethane  
Concen: 47.190 ug/l  
RT: 2.52 min Scan# 111  
Delta R.T. -0.00 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 67.5  | 50.6  | 76.0  |

Manual Integrations  
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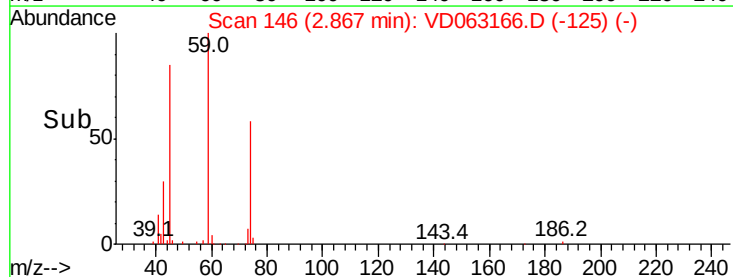
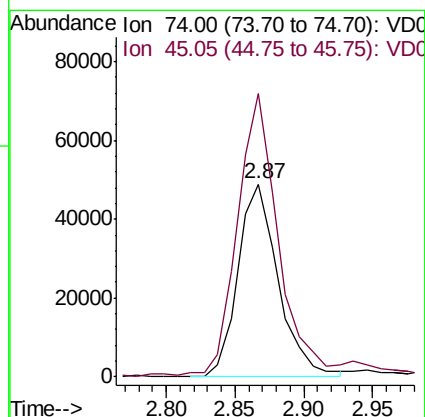
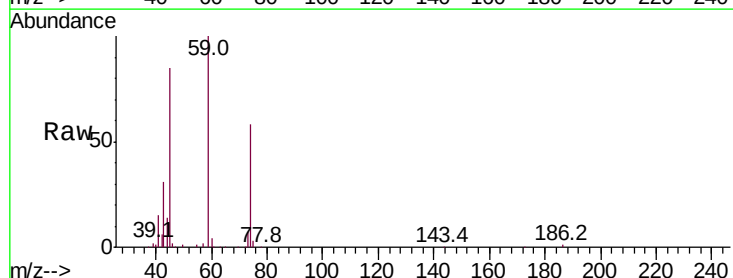
MMDadoda  
7/22/2019 10:43:02 AM



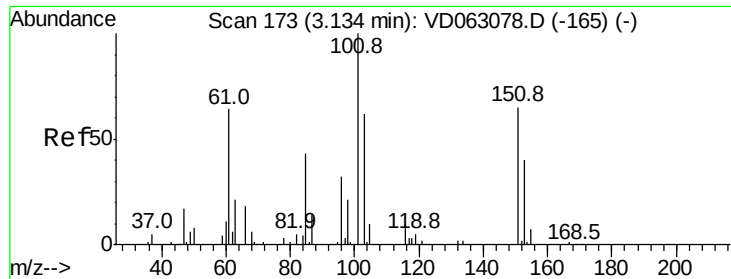
#8

Diethyl Ether  
Concen: 51.693 ug/l  
RT: 2.87 min Scan# 146  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 146.9 | 69.5  | 208.7 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.726 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

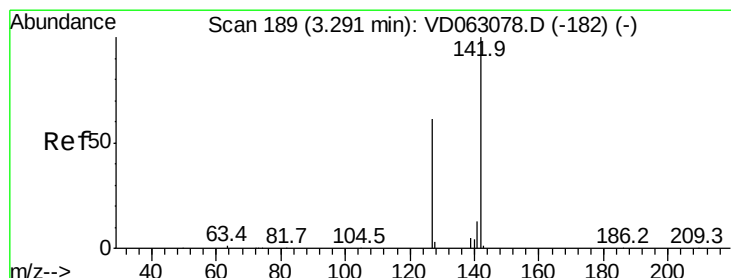
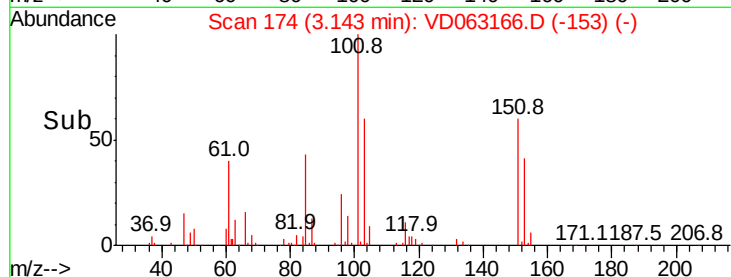
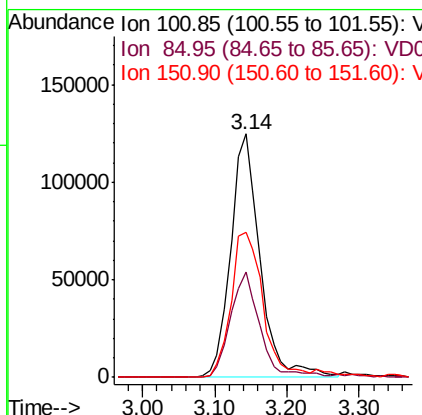
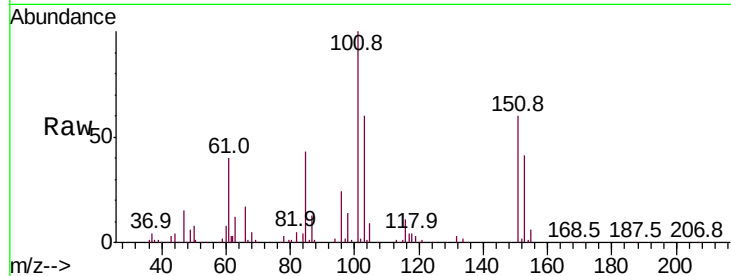
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 353729 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.2  | 34.6  | 51.8   |
| 151       | 59.7  | 52.4  | 78.6   |

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7/22/2019 10:43:02 AM



#10

Methyl Iodide

Concen: 44.464 ug/l

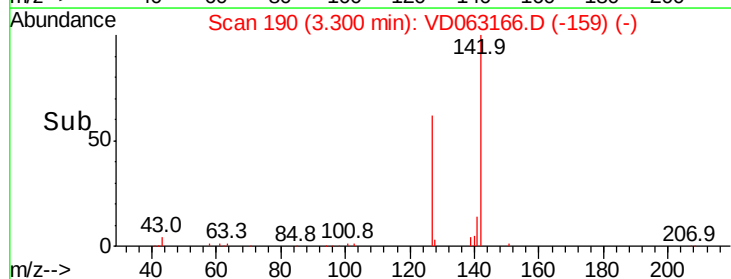
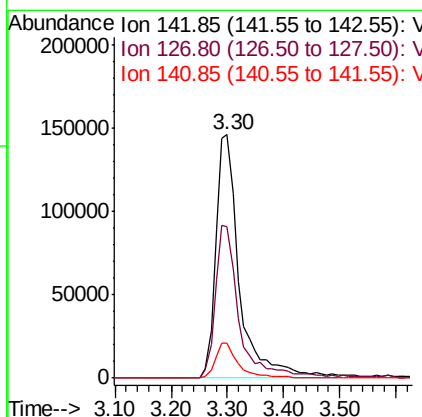
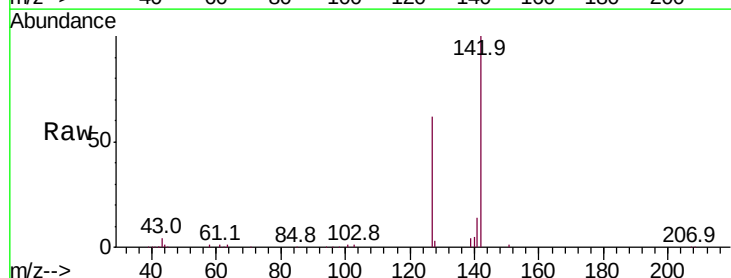
RT: 3.30 min Scan# 190

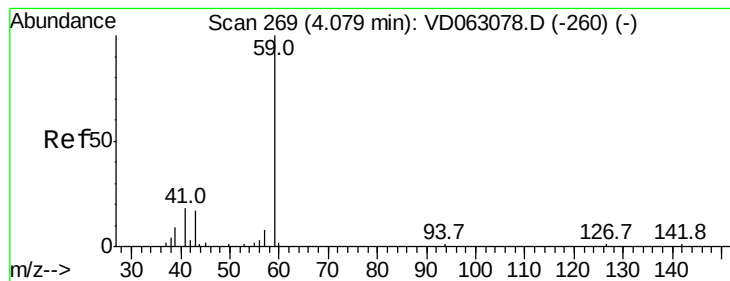
Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 431718 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 62.4  | 48.6  | 73.0   |
| 141       | 14.2  | 10.6  | 16.0   |





#11

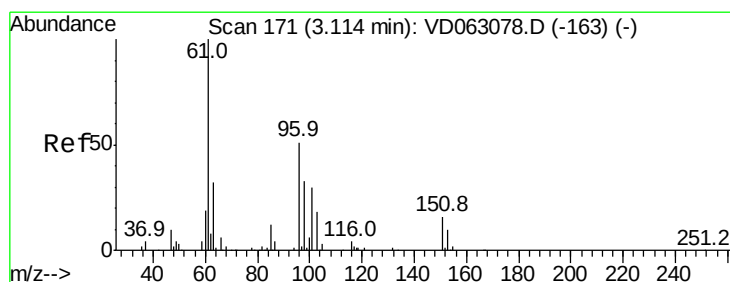
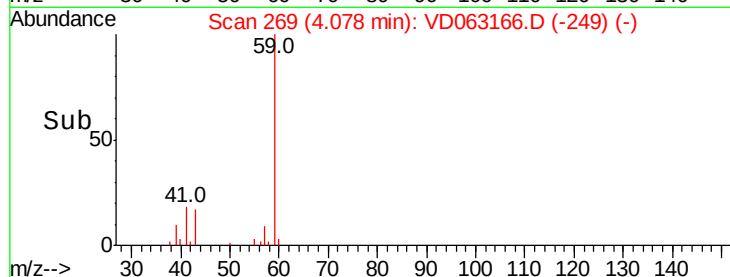
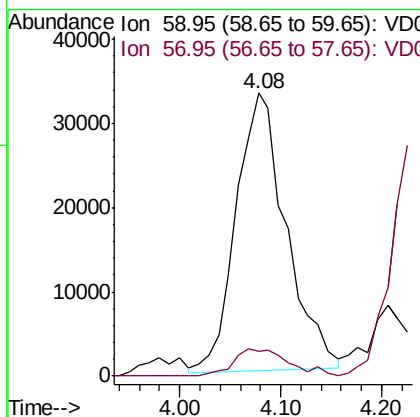
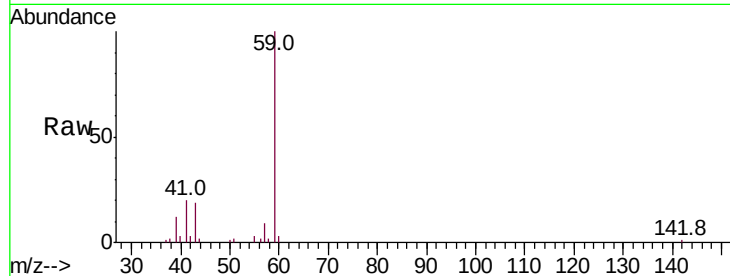
Tert butyl alcohol  
 Concen: 248.232 ug/l  
 RT: 4.08 min Scan# 269  
 Delta R.T. -0.00 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 8.8   | 6.4   | 9.6   |

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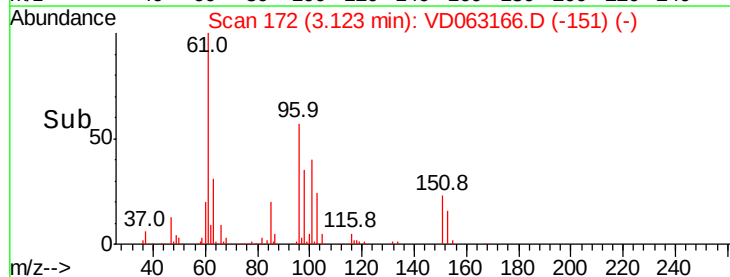
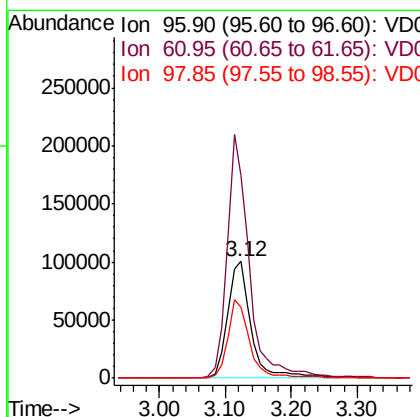
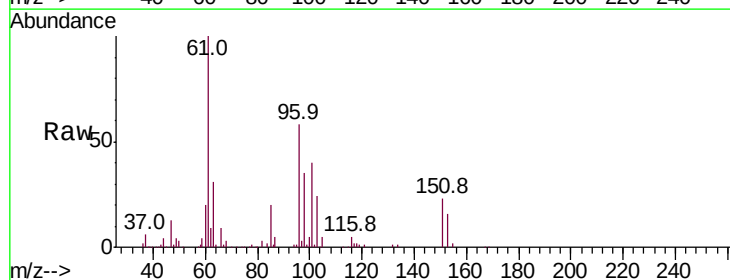
MMDadoda  
 7/22/2019 10:43:02 AM

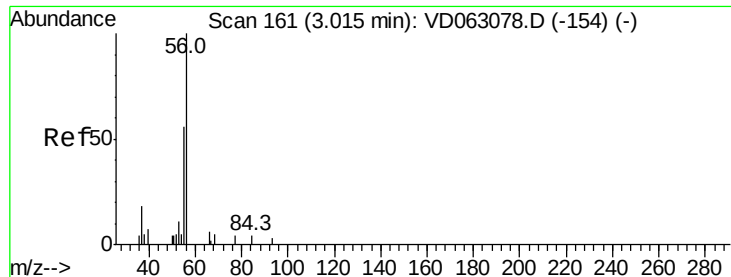


#12

1,1-Dichloroethene  
 Concen: 44.826 ug/l  
 RT: 3.12 min Scan# 172  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 173.4 | 155.5 | 233.3 |
| 98      | 60.9  | 51.5  | 77.3  |





#13

Acrolein

Concen: 93.252 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 12845

Ion Ratio Lower Upper

56 100

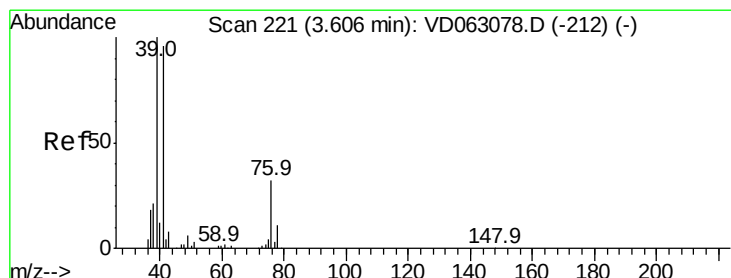
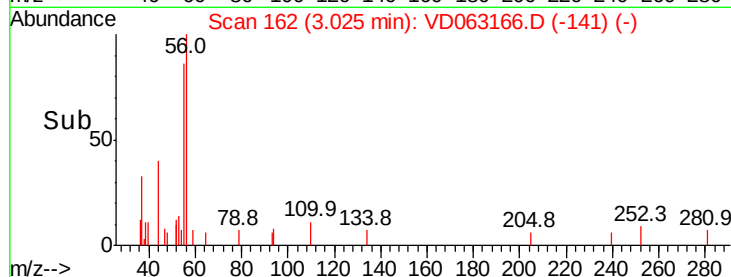
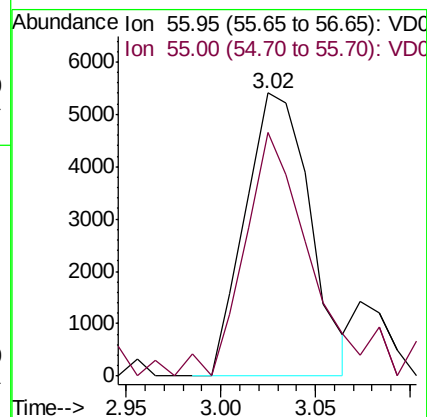
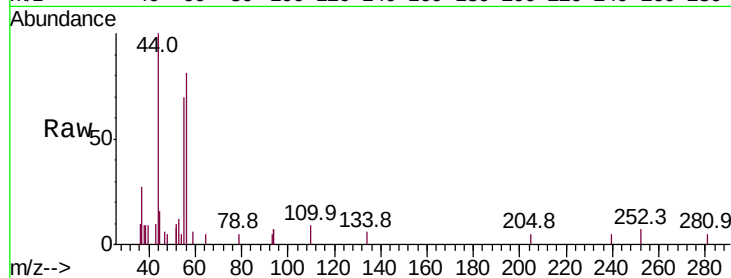
55 86.0 53.0 79.4#

Manual Integrations

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#14

Allyl chloride

Concen: 46.045 ug/l

RT: 3.62 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

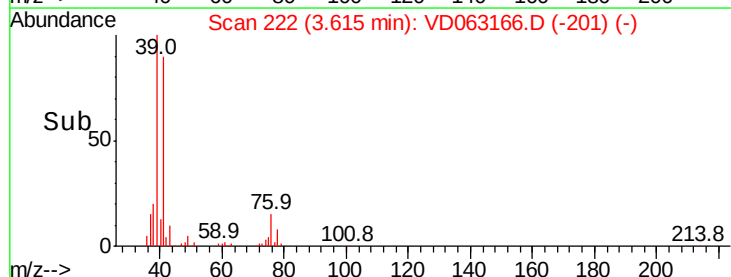
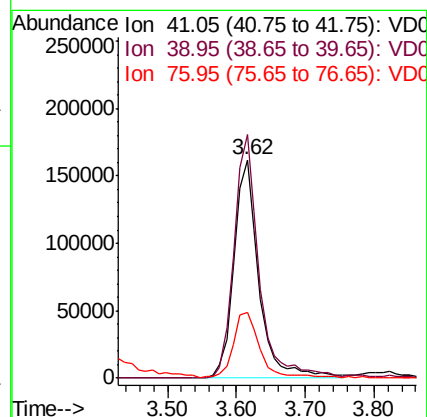
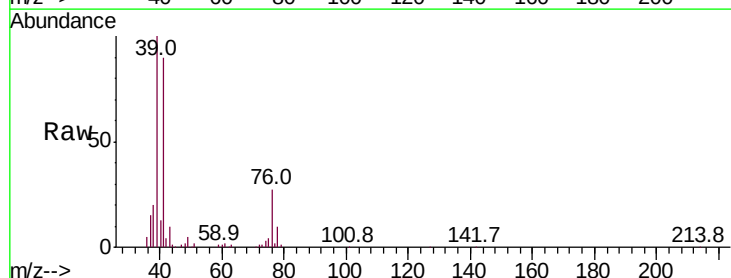
Tgt Ion: 41 Resp: 406426

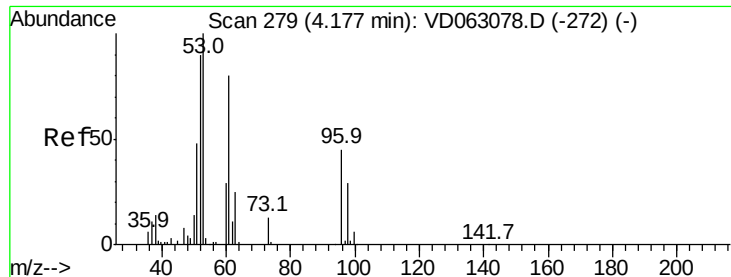
Ion Ratio Lower Upper

41 100

39 111.5 83.5 125.3

76 30.1 27.8 41.8





#15

Acrylonitrile

Concen: 257.247 ug/l

RT: 4.20 min Scan# 281

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

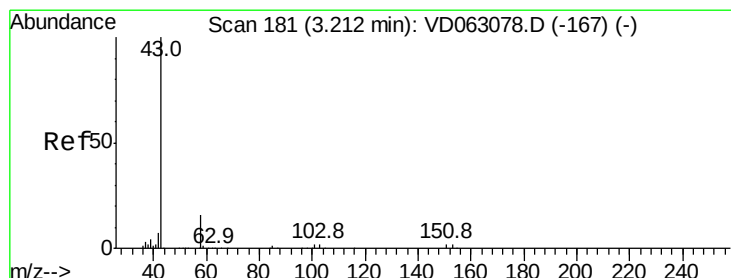
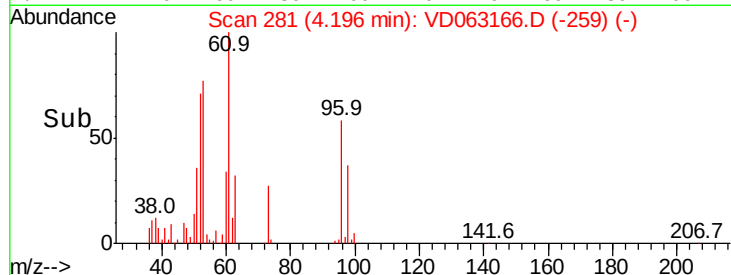
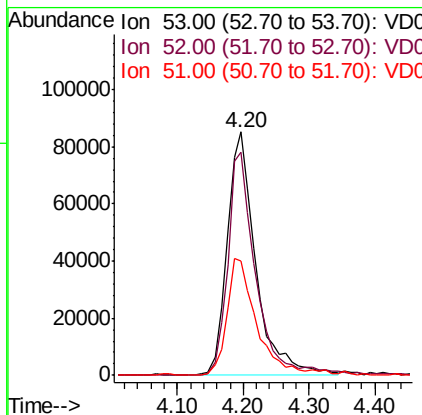
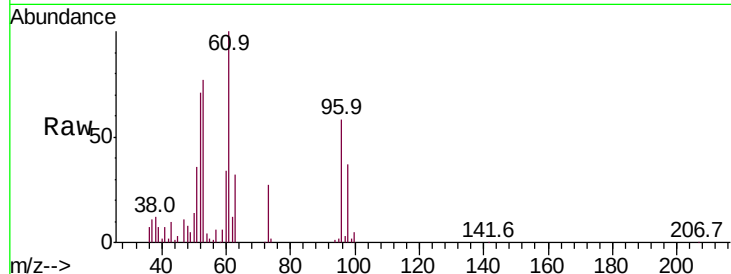
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 259524 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 91.5  | 72.3  | 108.5  |
| 51        | 46.8  | 38.0  | 57.0   |

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#16

Acetone

Concen: 217.582 ug/l

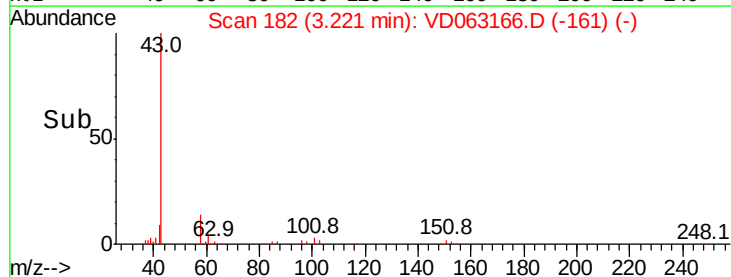
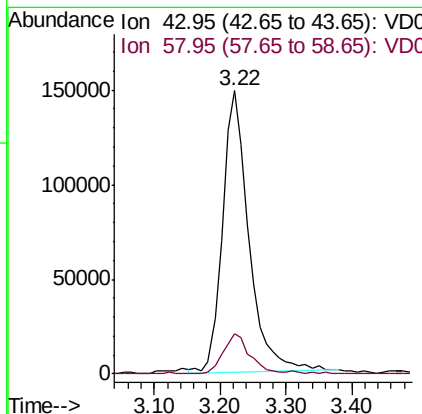
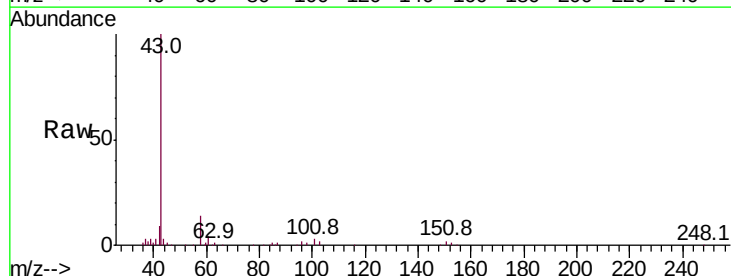
RT: 3.22 min Scan# 182

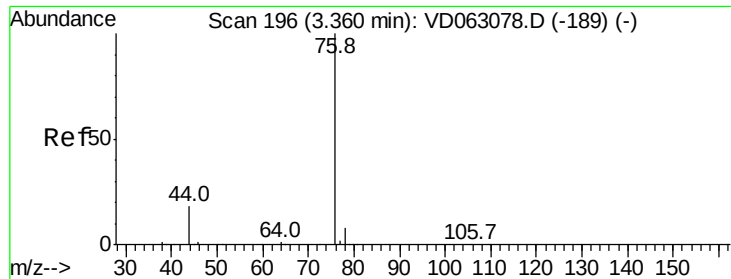
Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 415592 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 14.3  | 13.0  | 19.4   |





#17

Carbon Disulfide

Concen: 39.615 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 636835

Ion Ratio Lower Upper

76 100

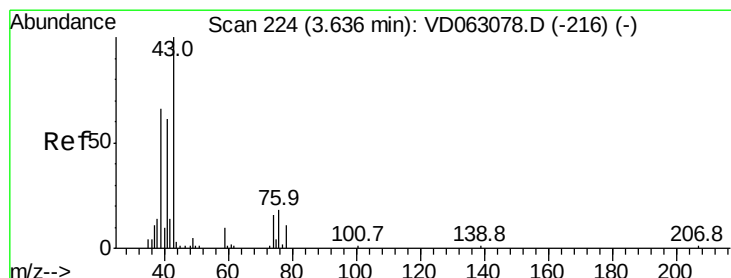
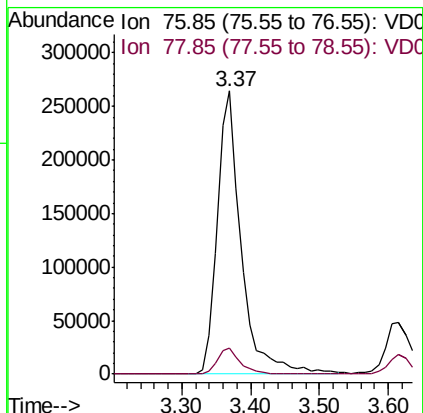
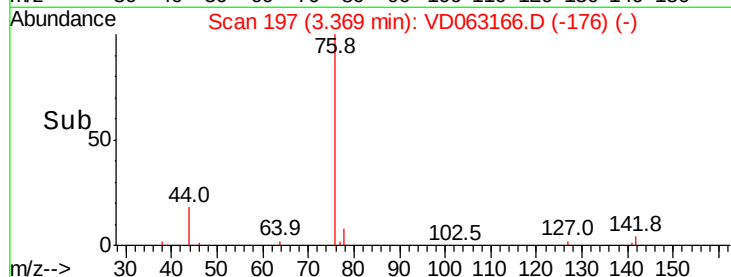
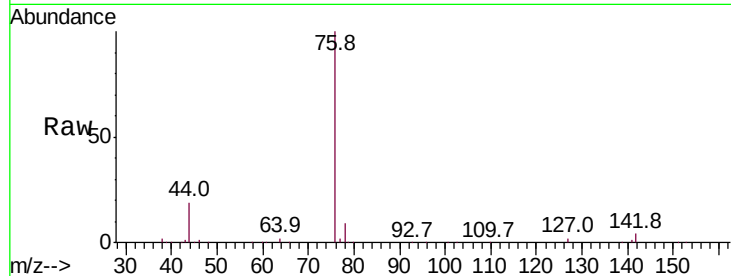
78 9.3 6.7 10.1

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#18

Methyl Acetate

Concen: 58.608 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD063166.D

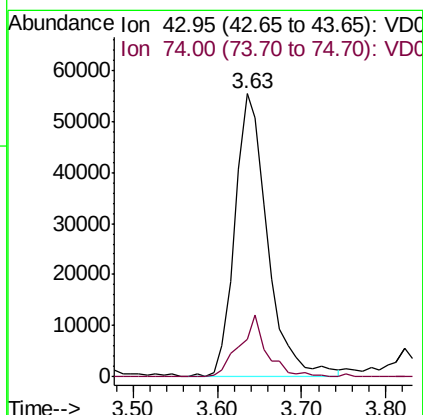
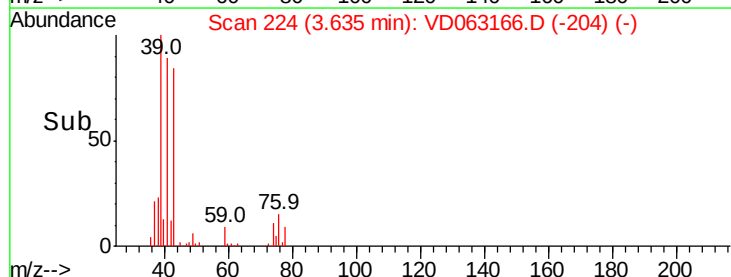
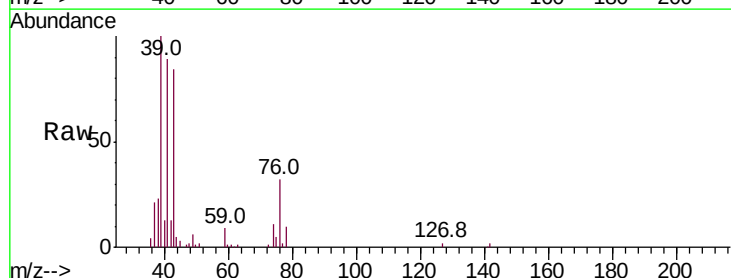
Acq: 19 Jul 2019 20:59

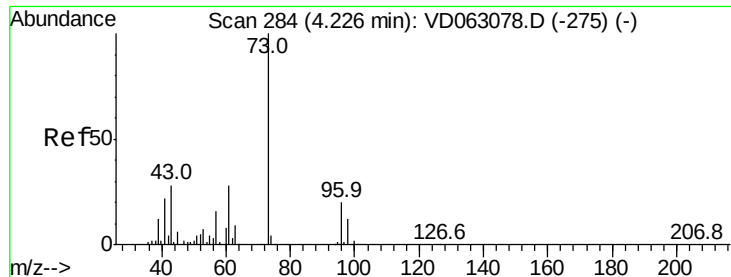
Tgt Ion: 43 Resp: 149627

Ion Ratio Lower Upper

43 100

74 13.5 12.5 18.7





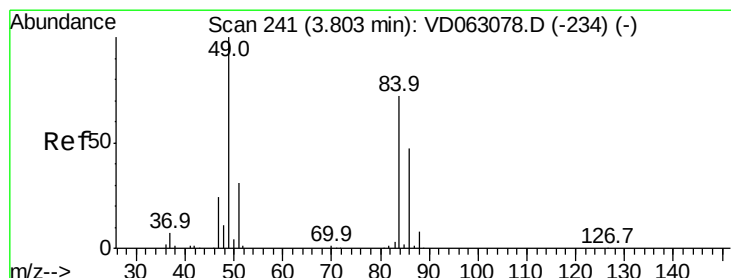
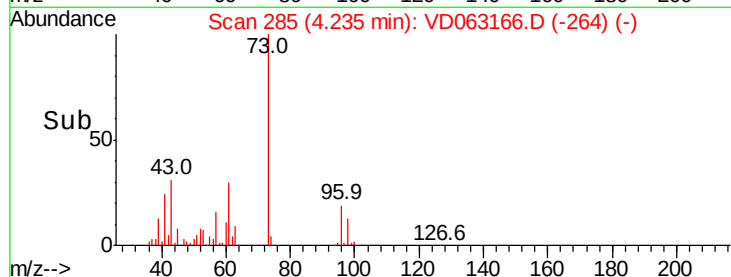
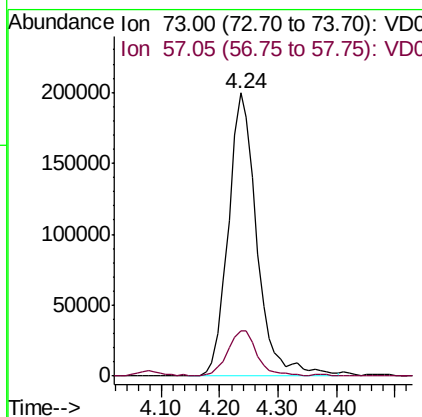
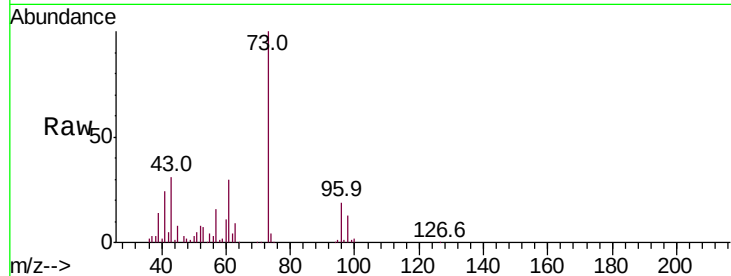
#19  
Methyl tert-butyl Ether  
Concen: 48.011 ug/l  
RT: 4.24 min Scan# 285  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 680654  
Ion Ratio Lower Upper  
73 100  
57 15.9 13.1 19.7

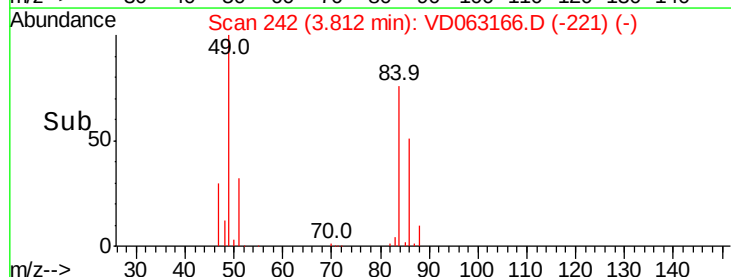
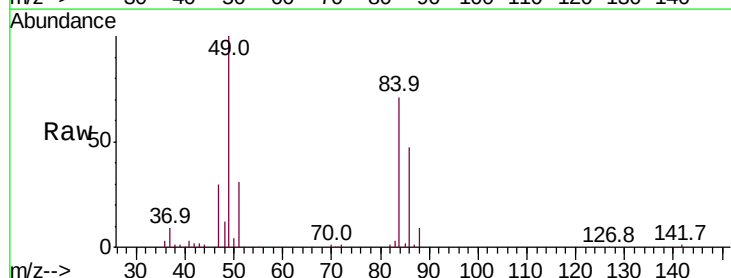
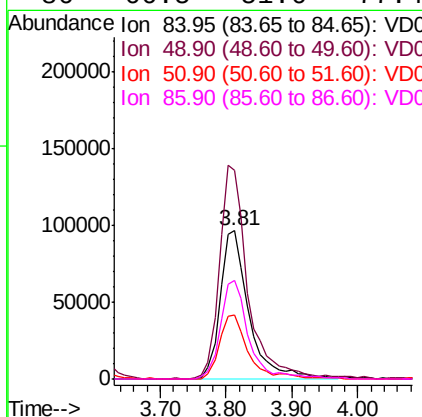
Manual Integrations  
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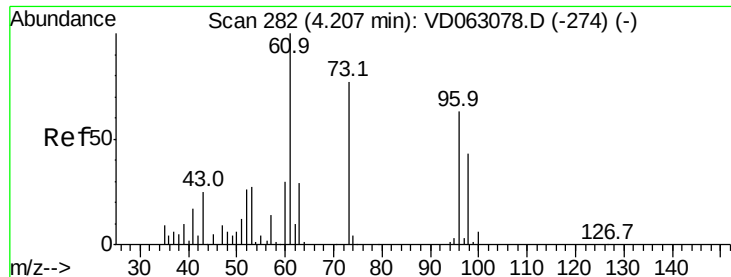
MMDadoda  
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#20  
Methylene Chloride  
Concen: 40.773 ug/l  
RT: 3.81 min Scan# 242  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Tgt Ion: 84 Resp: 294216  
Ion Ratio Lower Upper  
84 100  
49 141.1 110.5 165.7  
51 43.7 34.6 51.8  
86 66.5 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 44.351 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 276513

Ion Ratio Lower Upper

96 100

61 148.2 128.0 192.0

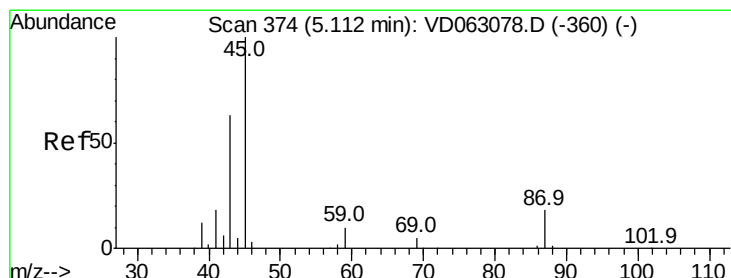
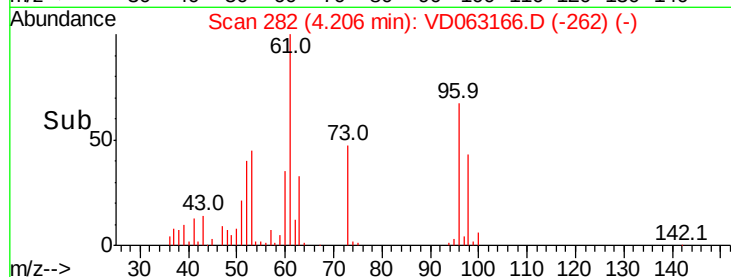
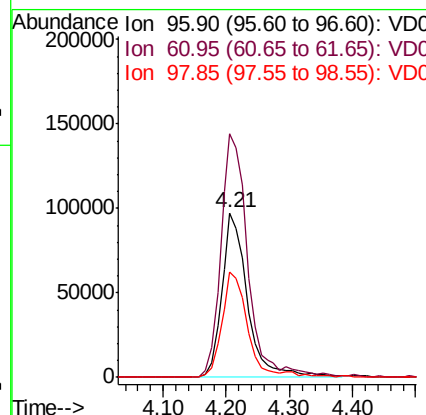
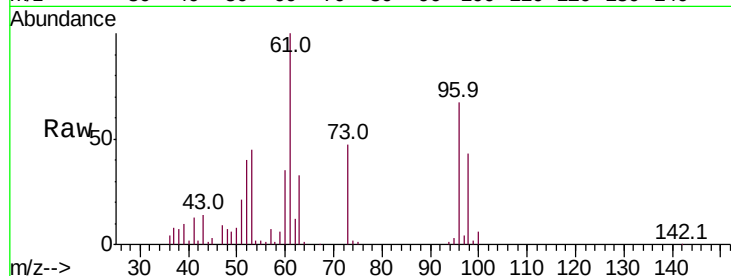
98 64.1 55.2 82.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 46.829 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Tgt Ion: 45 Resp: 898683

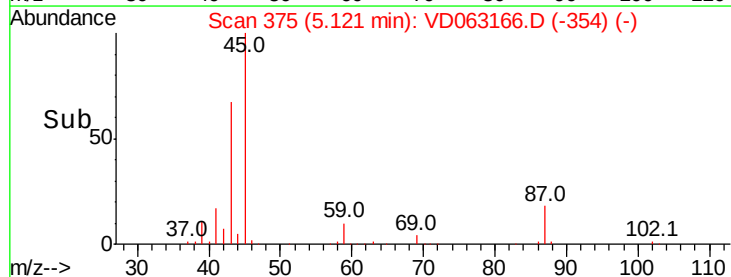
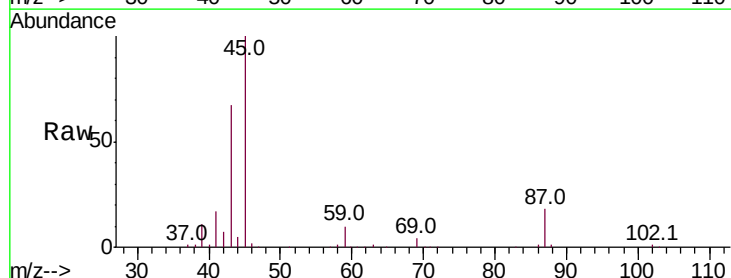
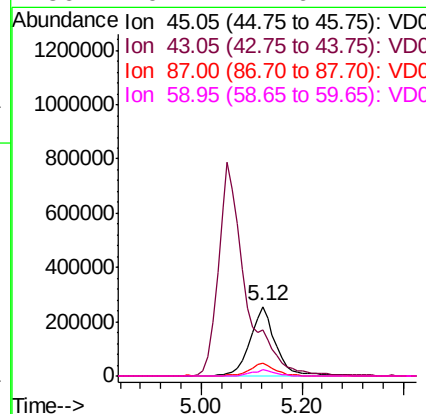
Ion Ratio Lower Upper

45 100

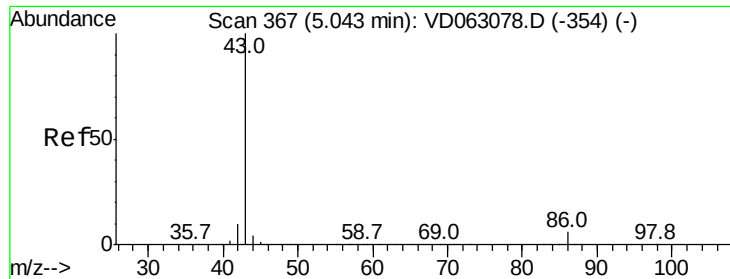
43 67.2 50.5 75.7

87 18.4 15.1 22.7

59 9.7 7.6 11.4







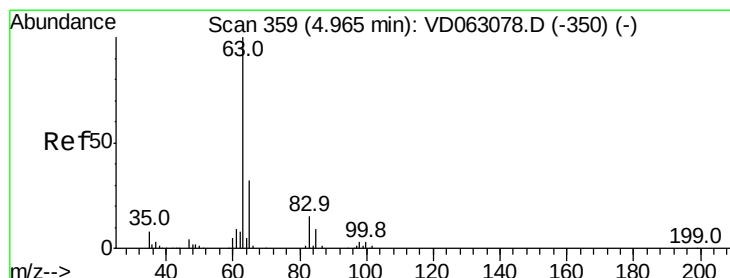
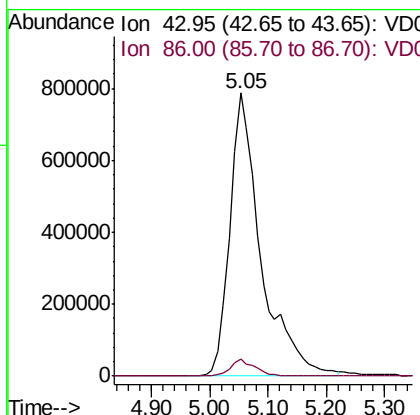
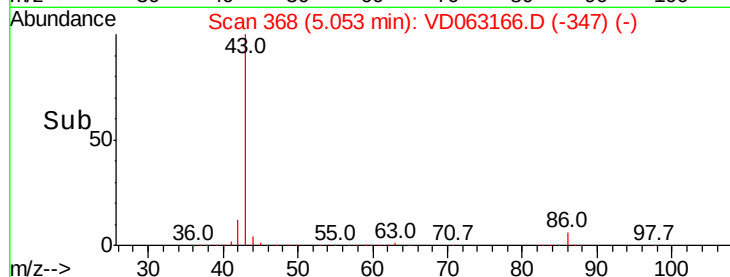
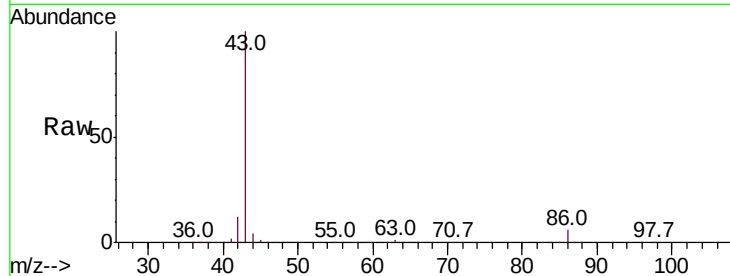
#23  
Vinyl Acetate  
Concen: 261.477 ug/l  
RT: 5.05 min Scan# 368  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 2927555  
Ion Ratio Lower Upper  
43 100  
86 6.0 5.0 7.6

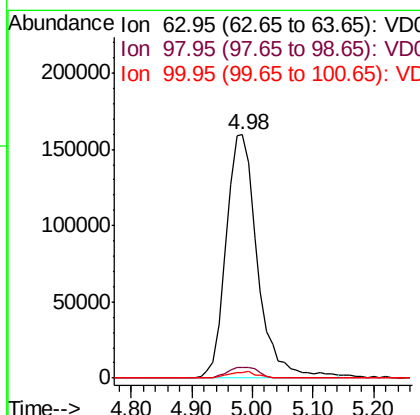
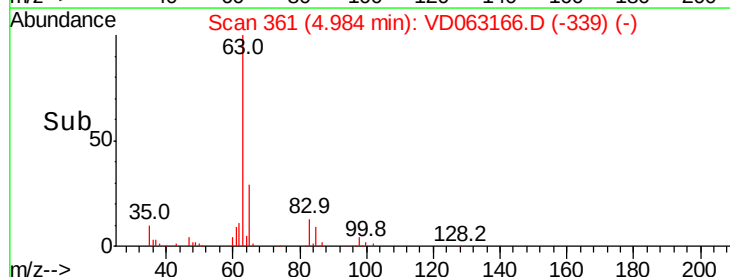
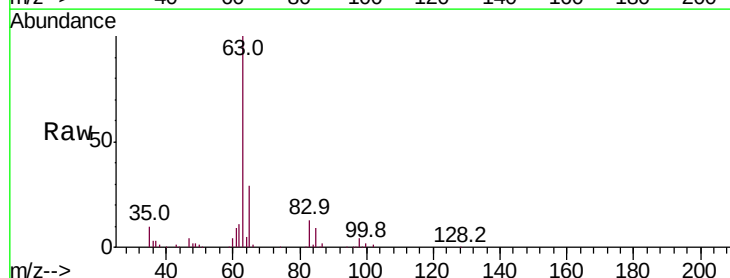
Manual Integrations  
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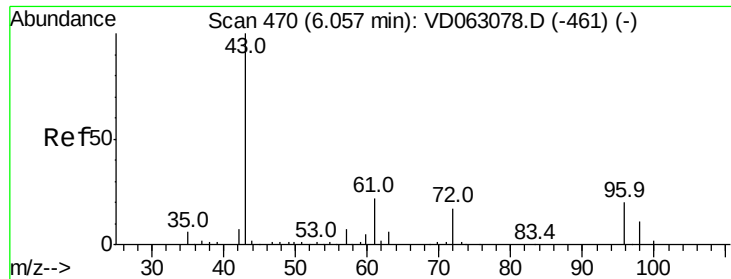
MMDadoda  
7/22/2019 10:43:02 AM



#24  
1,1-Dichloroethane  
Concen: 48.475 ug/l  
RT: 4.98 min Scan# 361  
Delta R.T. 0.02 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Tgt Ion: 63 Resp: 573038  
Ion Ratio Lower Upper  
63 100  
98 4.2 1.7 5.1  
100 2.2 1.5 4.5





#25

2-Butanone

Concen: 255.111 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 465306

Ion Ratio Lower Upper

43 100

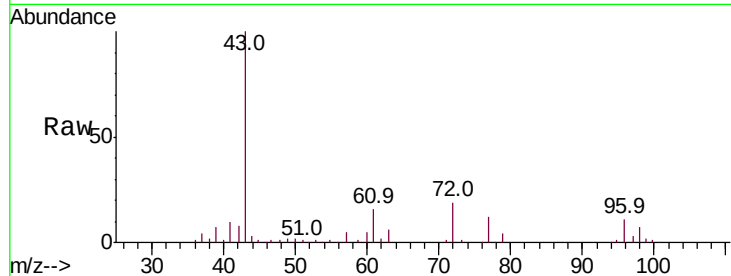
72 18.7 13.4 20.0

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.08

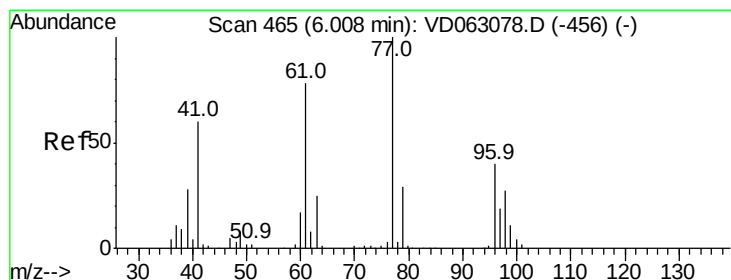
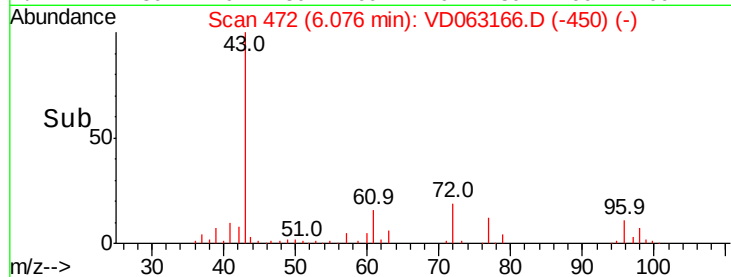
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#26

2,2-Dichloropropane

Concen: 43.602 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD063166.D

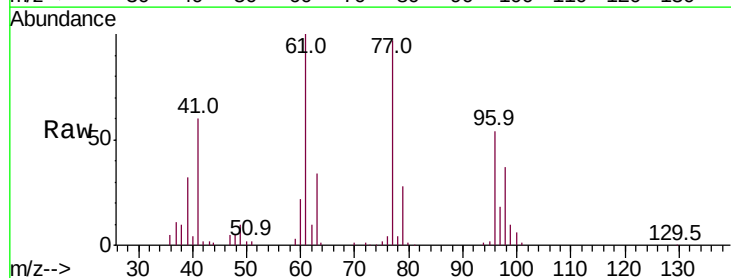
Acq: 19 Jul 2019 20:59

Tgt Ion: 77 Resp: 570448

Ion Ratio Lower Upper

77 100

97 19.0 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.03

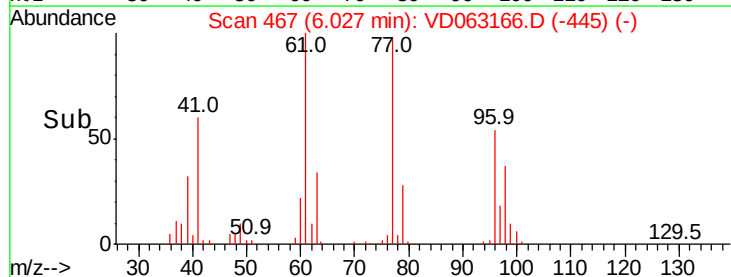
150000

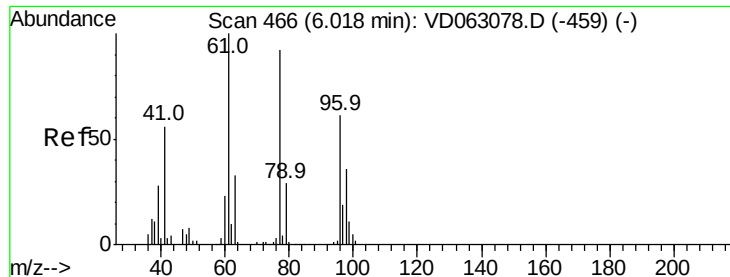
100000

50000

0

Time--> 5.90 6.00 6.10 6.20





#27

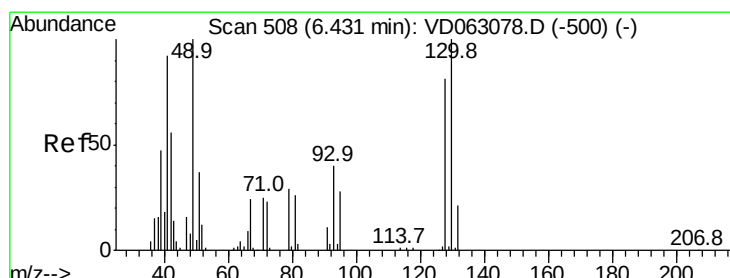
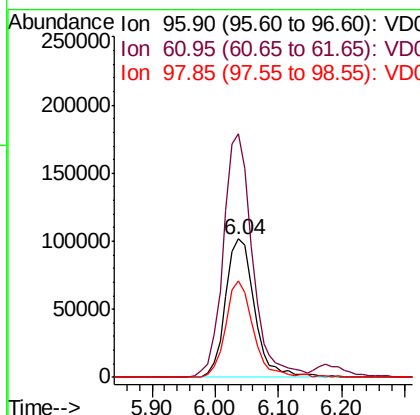
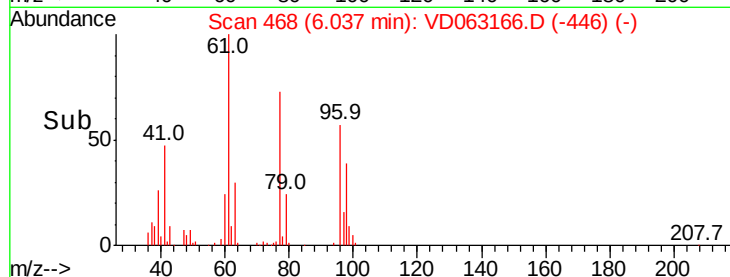
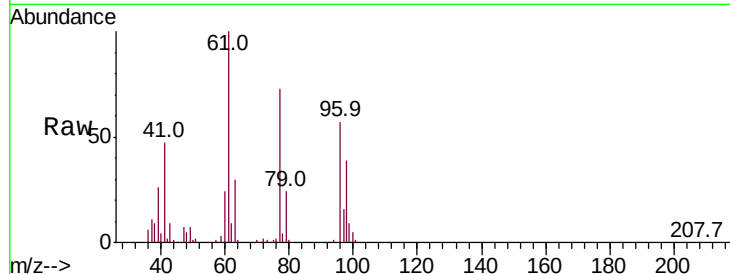
cis-1,2-Dichloroethene  
Concen: 45.984 ug/l  
RT: 6.04 min Scan# 468  
Delta R.T. 0.02 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 176.2 | 0.0  | 329.6 |       |
| 98      | 69.4  | 0.0  | 118.4 |       |

Manual Integrations  
APPROVED

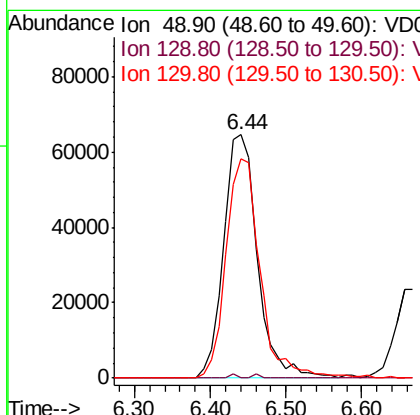
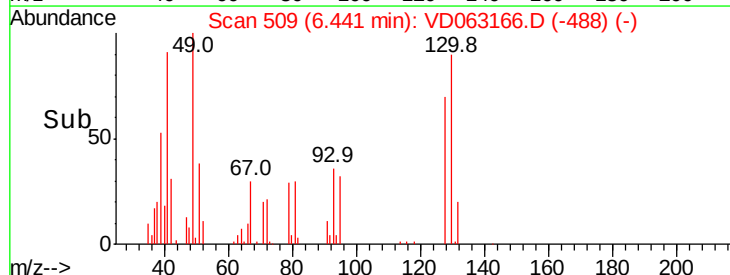
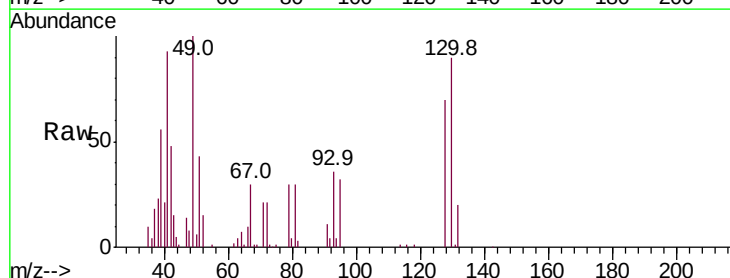
MMDadoda  
7/22/2019 10:43:02 AM

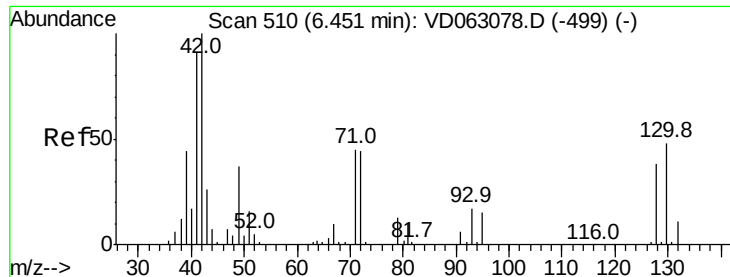


#28

Bromochloromethane  
Concen: 46.388 ug/l  
RT: 6.44 min Scan# 509  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 0.0   | 0.0  | 3.6   |       |
| 130     | 90.0  | 80.3 | 120.5 |       |





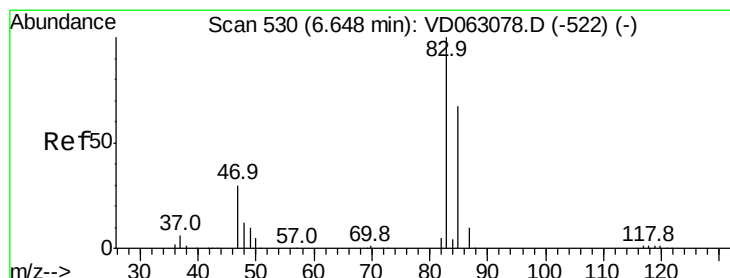
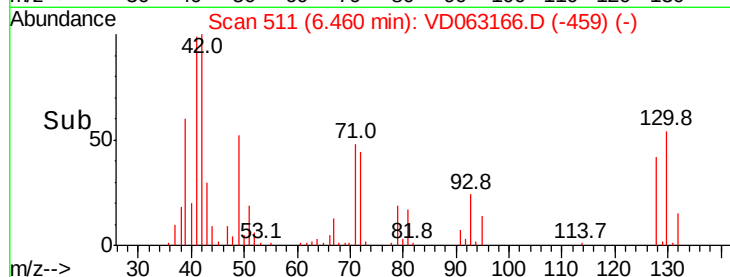
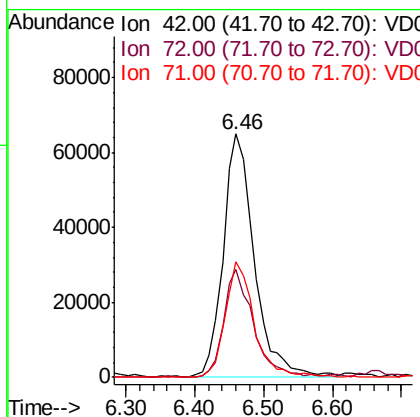
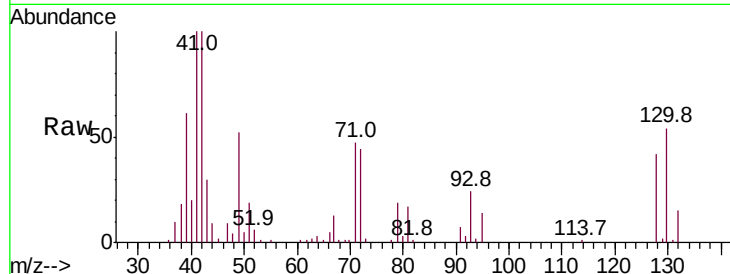
#29  
Tetrahydrofuran  
Concen: 246.157 ug/l  
RT: 6.46 min Scan# 511  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 42.1  | 33.7  | 50.5  |
| 71      | 44.0  | 34.2  | 51.2  |

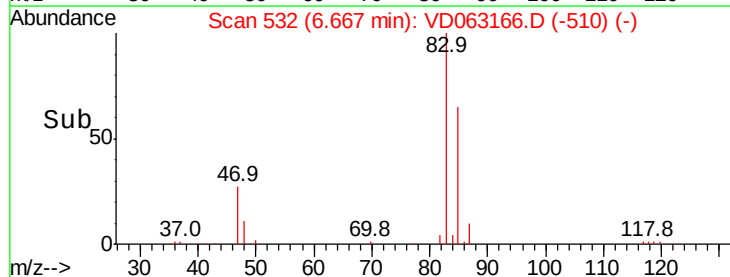
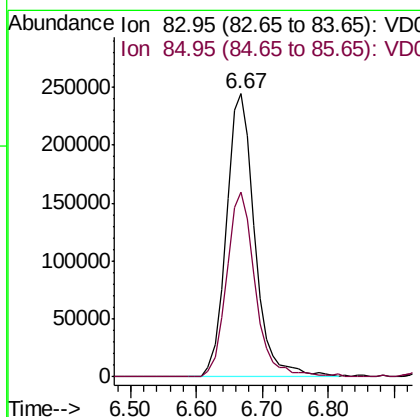
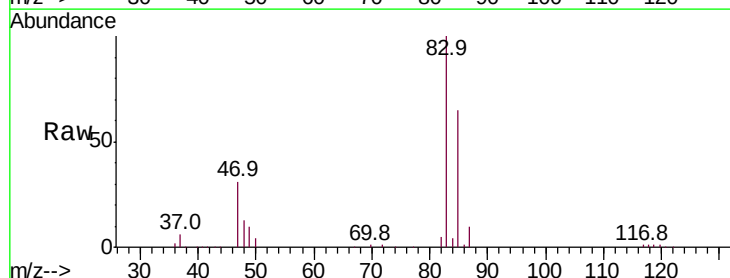
Manual Integrations  
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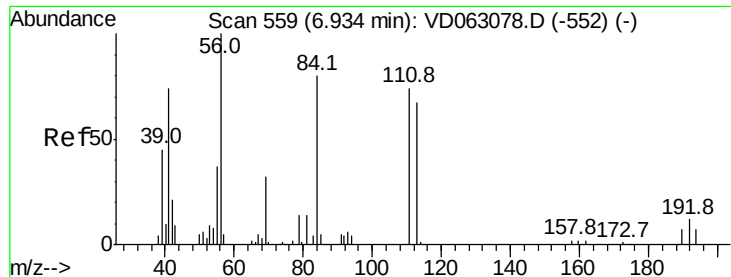
MMDadoda  
7/22/2019 10:43:02 AM



#30  
Chloroform  
Concen: 50.651 ug/l  
RT: 6.67 min Scan# 532  
Delta R.T. 0.02 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.2  | 53.8  | 80.8  |





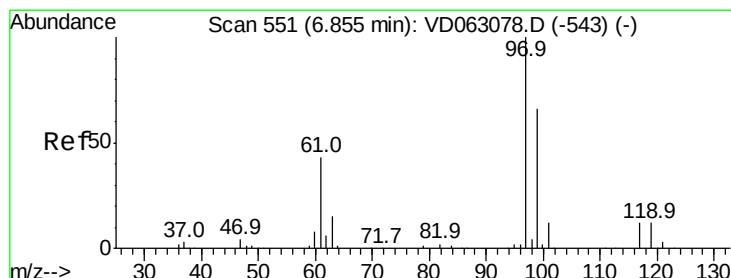
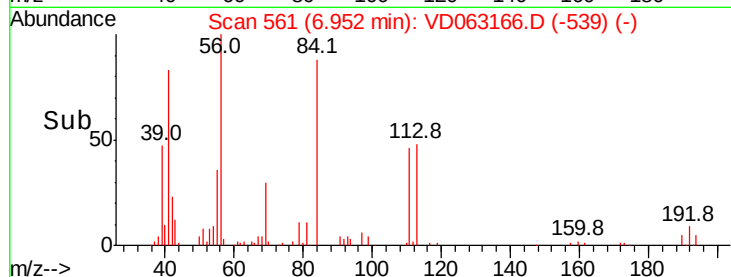
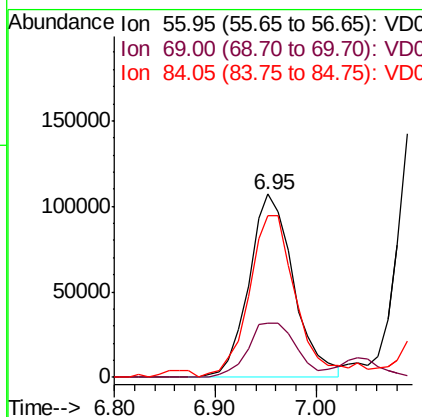
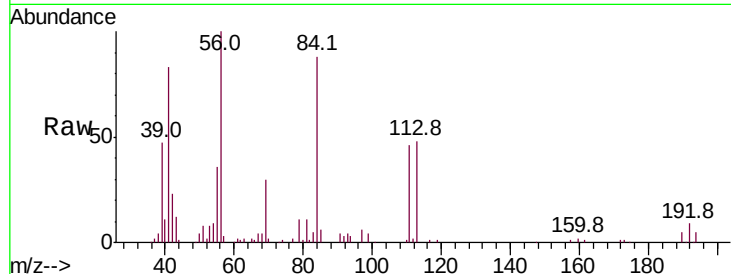
#31  
Cyclohexane  
Concen: 43.710 ug/l  
RT: 6.95 min Scan# 561  
Delta R.T. 0.02 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 29.6  | 25.3  | 37.9  |
| 84      | 88.4  | 64.2  | 96.4  |

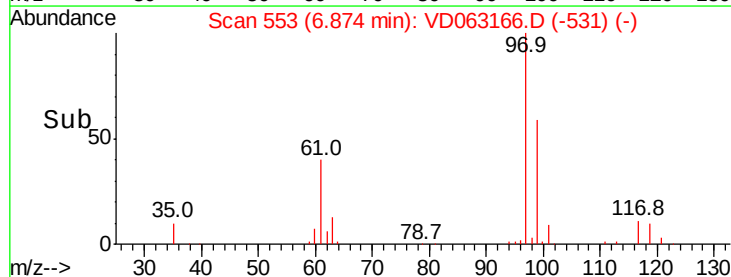
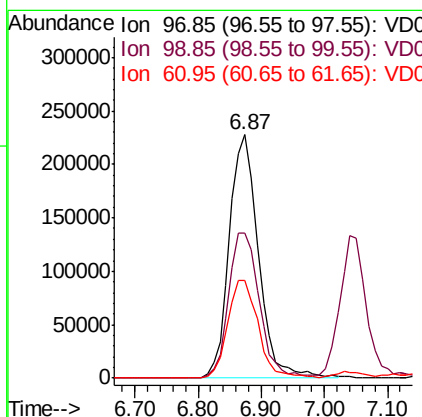
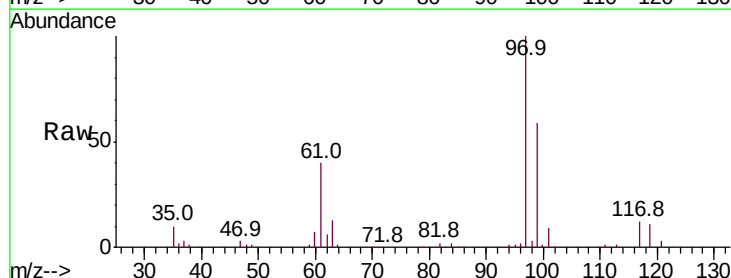
Manual Integrations  
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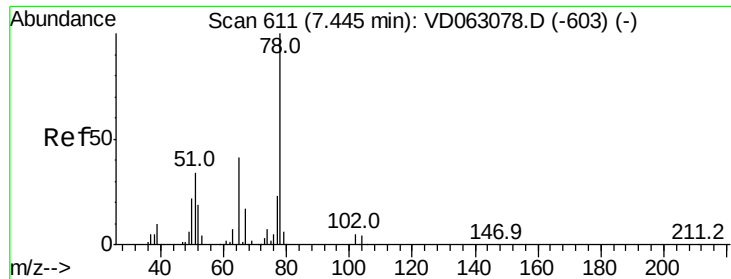
MMDadoda  
7/22/2019 10:43:02 AM



#32  
1,1,1-Trichloroethane  
Concen: 50.747 ug/l  
RT: 6.87 min Scan# 553  
Delta R.T. 0.02 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 59.4  | 52.9  | 79.3  |
| 61      | 40.0  | 34.4  | 51.6  |





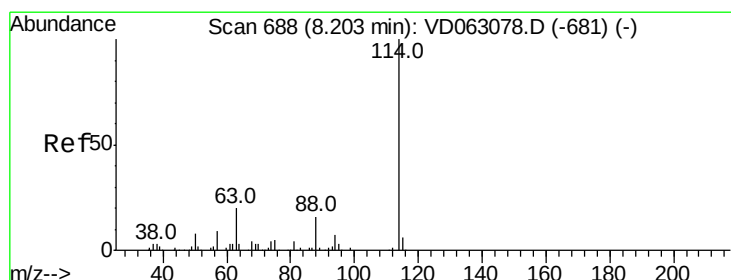
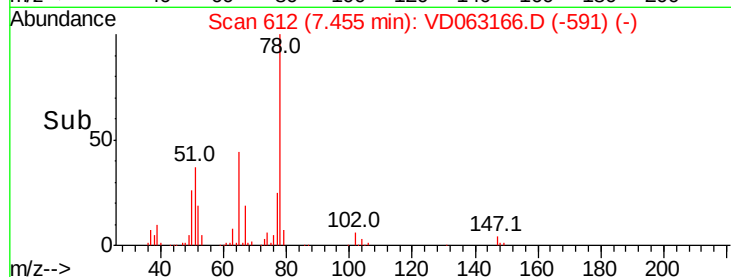
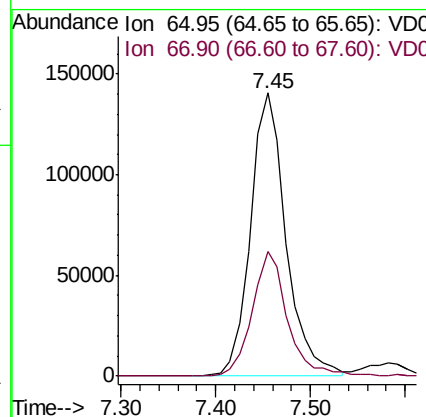
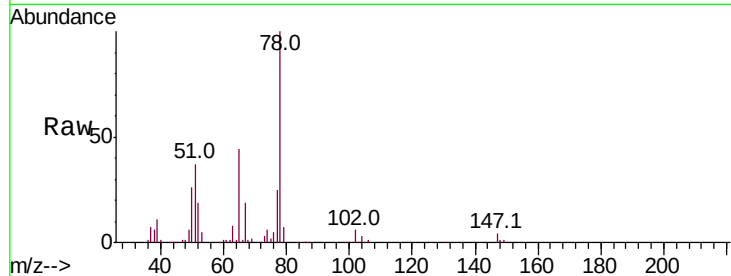
#33  
 1,2-Dichloroethane-d4  
 Concen: 46.146 ug/l  
 RT: 7.45 min Scan# 612  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 43.8  | 0.0   | 86.0  |

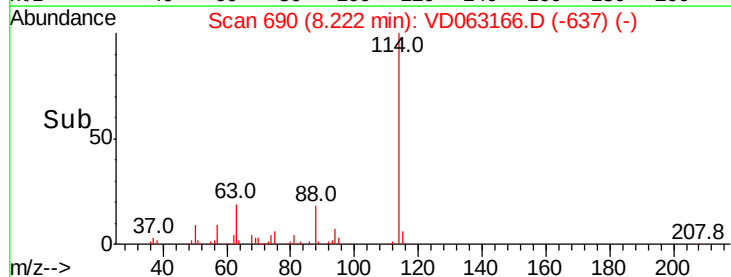
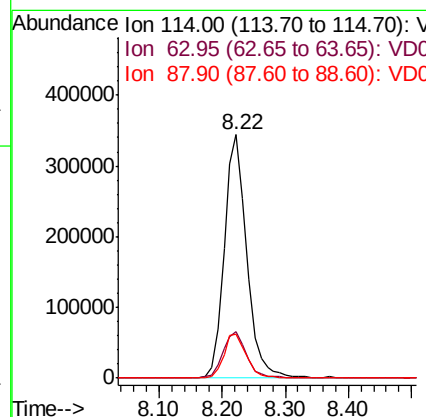
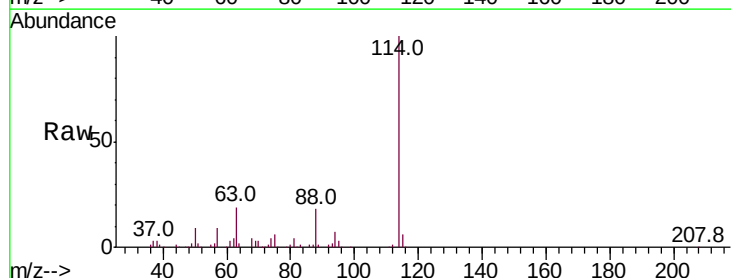
Manual Integrations  
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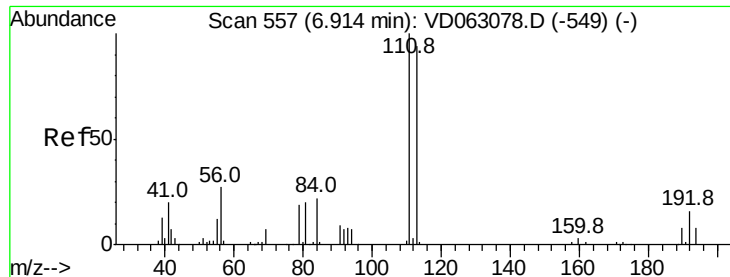
MMDadoda  
 7/22/2019 10:43:02 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.22 min Scan# 690  
 Delta R.T. 0.02 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.0  | 0.0   | 40.6  |
| 88      | 17.8  | 0.0   | 32.6  |





#35

Dibromofluoromethane

Concen: 47.862 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 406988

Ion Ratio Lower Upper

113 100

111 102.5 84.8 127.2

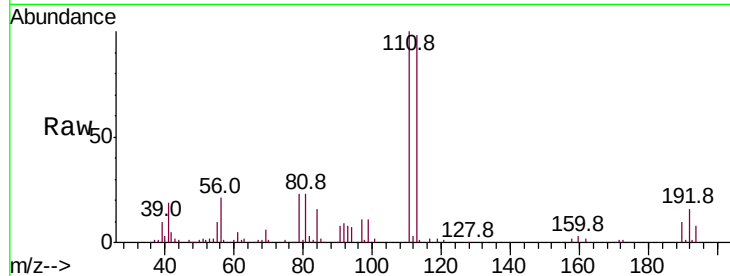
192 16.3 13.4 20.0

Manual Integrations

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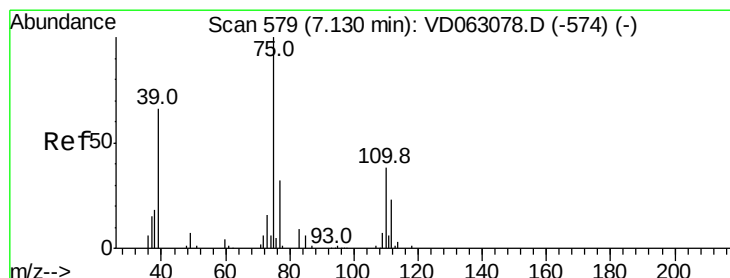
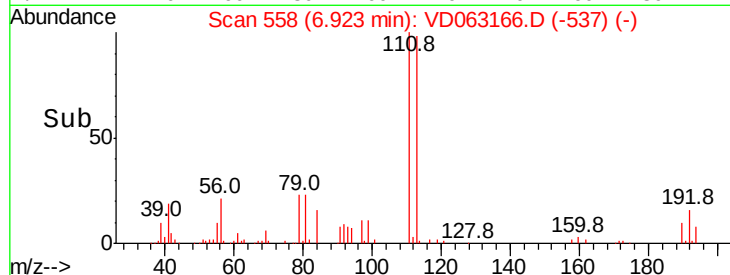
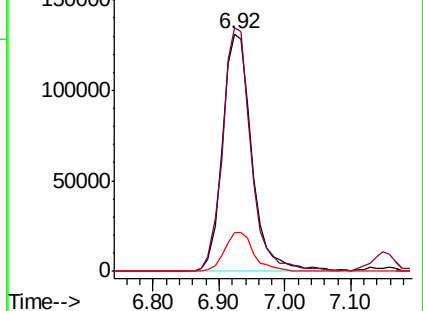
7/22/2019 10:43:02 AM



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 45.506 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

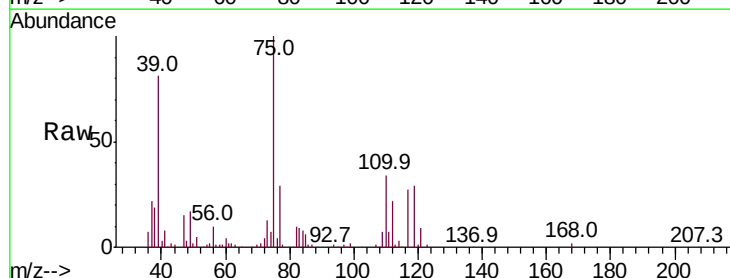
Tgt Ion: 75 Resp: 436929

Ion Ratio Lower Upper

75 100

110 34.0 18.9 56.5

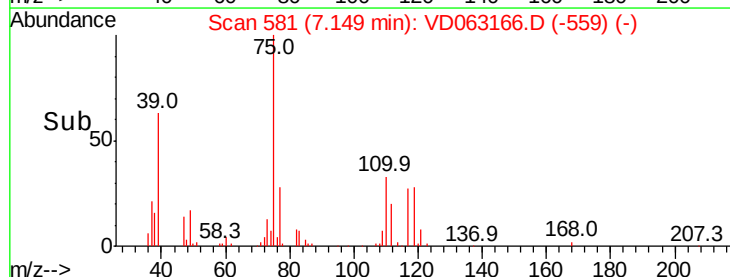
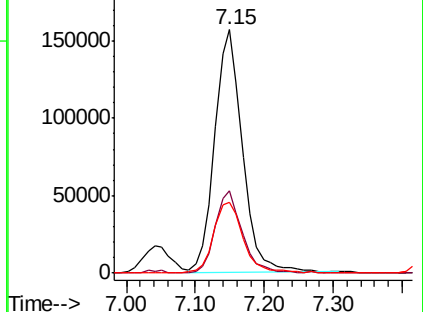
77 28.9 25.2 37.8

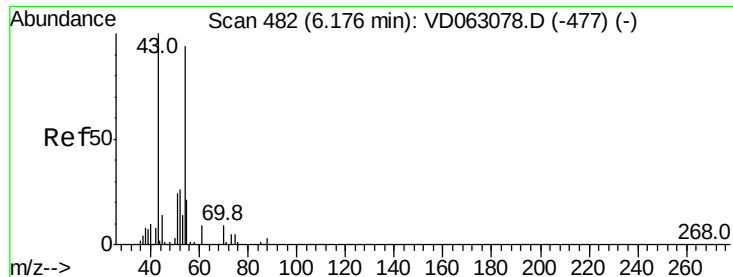


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





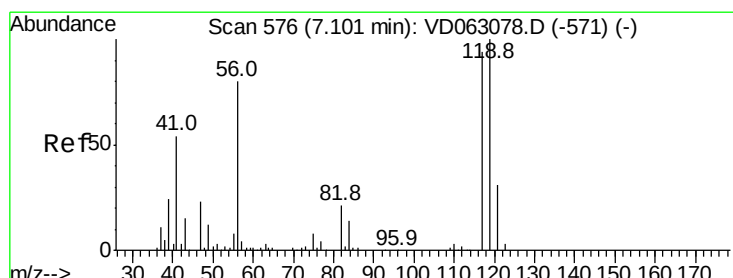
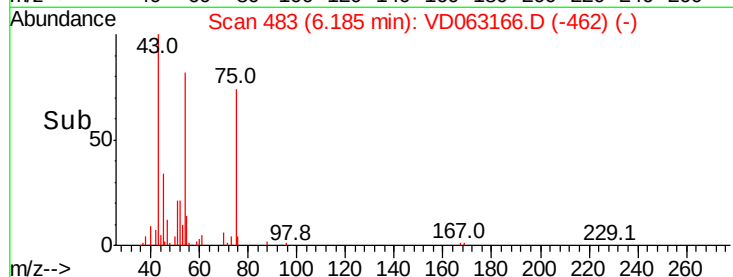
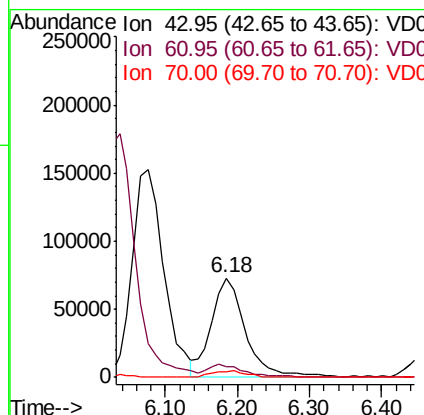
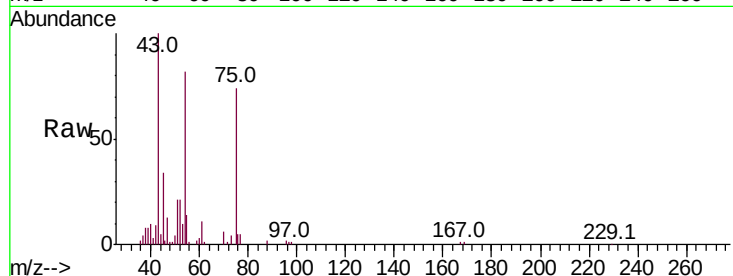
#37  
Ethyl Acetate  
Concen: 57.297 ug/l  
RT: 6.18 min Scan# 483  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 11.3  | 10.6  | 16.0  |
| 70      | 5.6   | 6.6   | 9.8   |

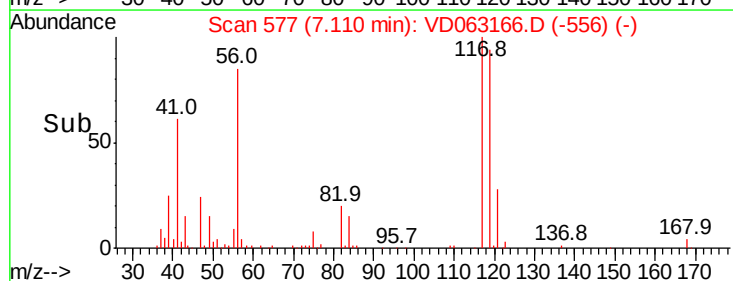
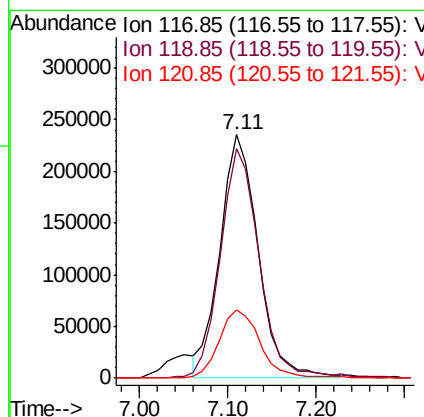
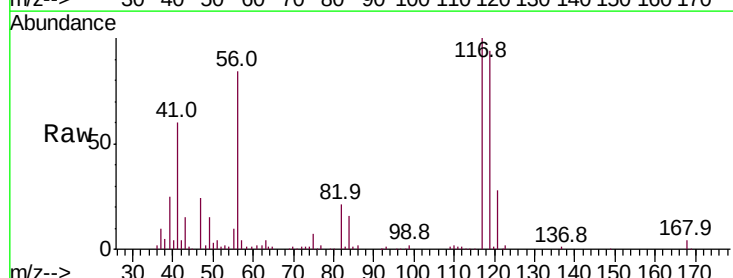
Manual Integrations  
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MMDadoda  
7/22/2019 10:43:02 AM

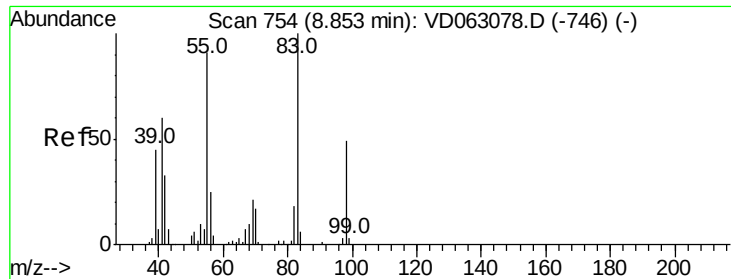


#38  
Carbon Tetrachloride  
Concen: 48.593 ug/l m  
RT: 7.11 min Scan# 577  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.3  | 80.0  | 120.0 |
| 121     | 28.3  | 25.0  | 37.4  |







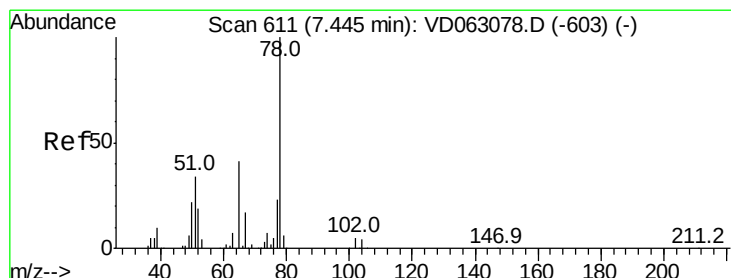
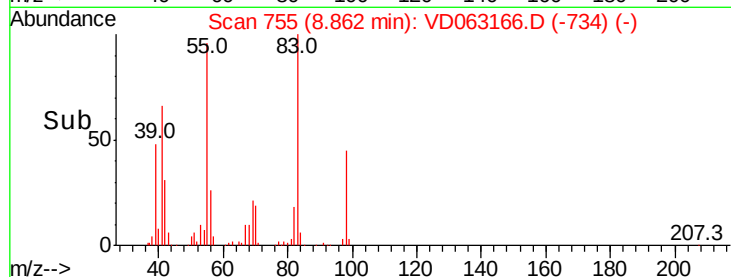
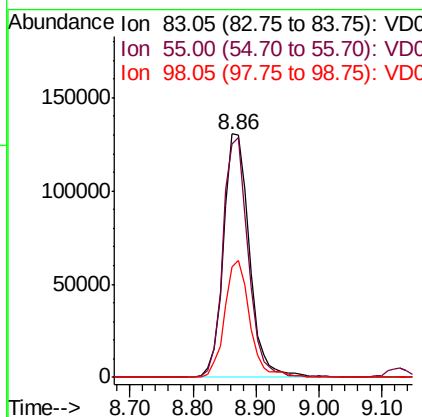
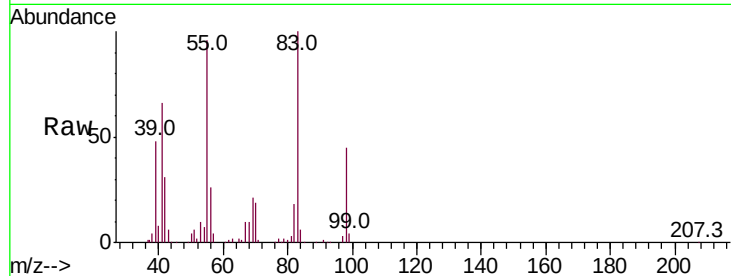
#39  
Methylvlcyclohexane  
Concen: 44.908 ug/l  
RT: 8.86 min Scan# 755  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 95.9  | 73.0  | 109.4 |
| 98      | 45.5  | 39.4  | 59.0  |

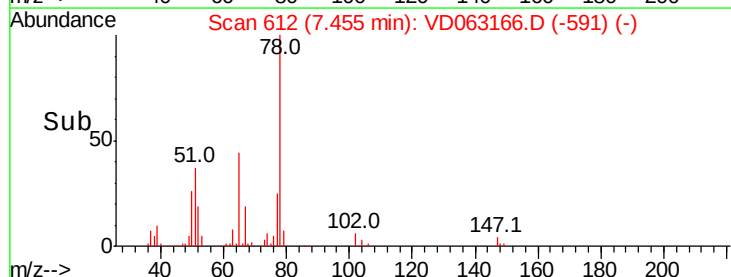
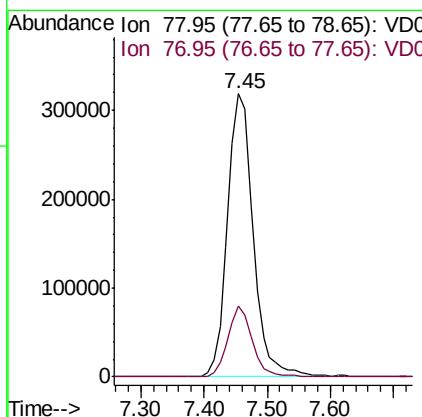
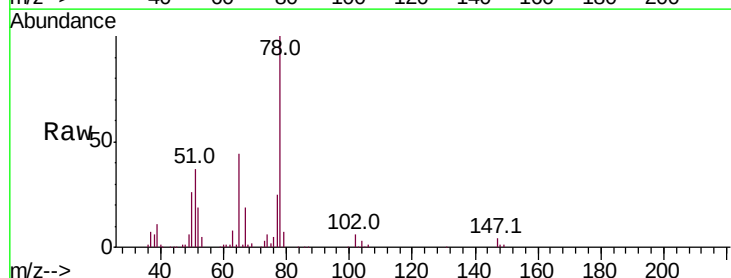
Manual Integrations  
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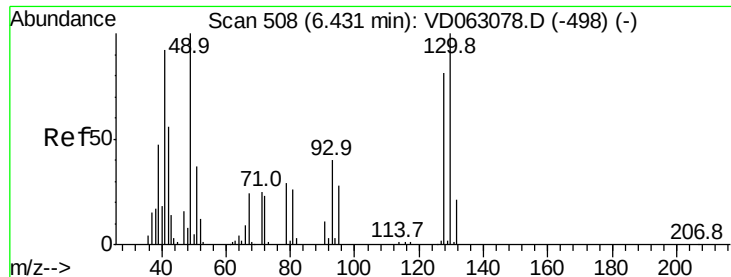
MMDadoda  
7/22/2019 10:43:02 AM



#40  
Benzene  
Concen: 44.726 ug/l  
RT: 7.45 min Scan# 612  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 25.1  | 18.1  | 27.1  |





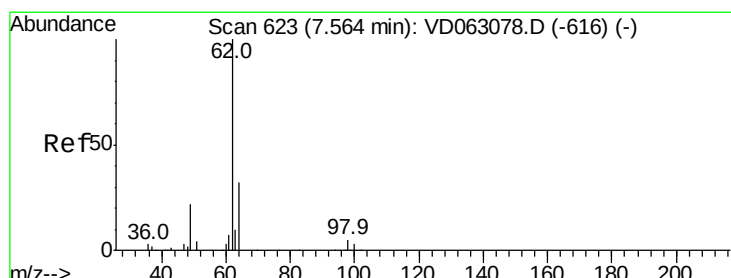
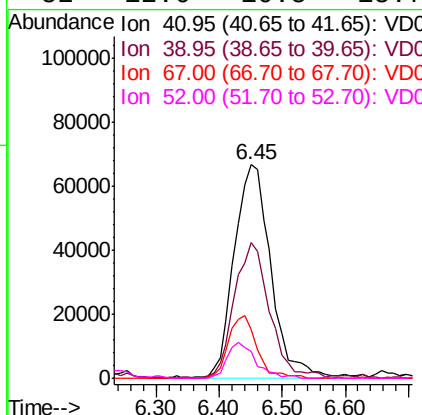
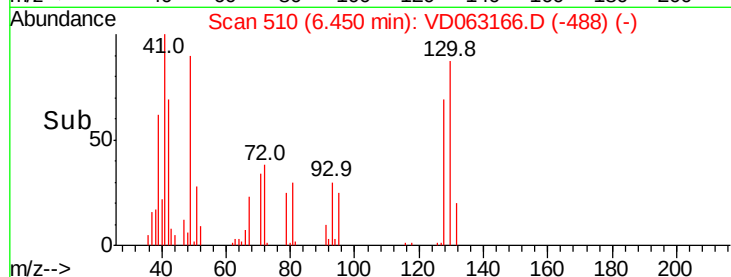
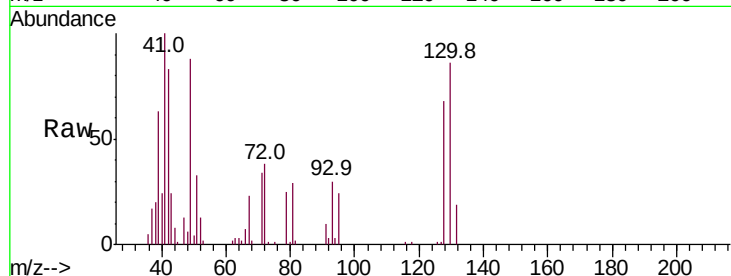
#41  
Methacrylonitrile  
Concen: 48.136 ug/l  
RT: 6.45 min Scan# 510  
Delta R.T. 0.02 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 63.5  | 41.0  | 61.6# |
| 67      | 22.5  | 21.3  | 31.9  |
| 52      | 12.6  | 10.5  | 15.7  |

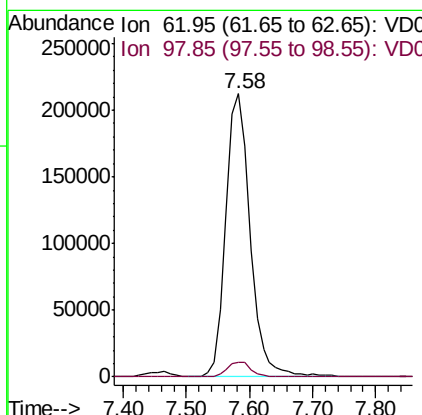
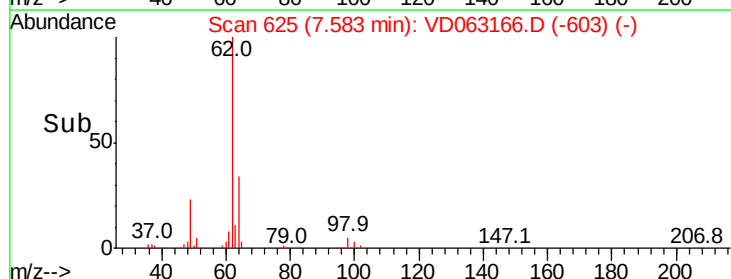
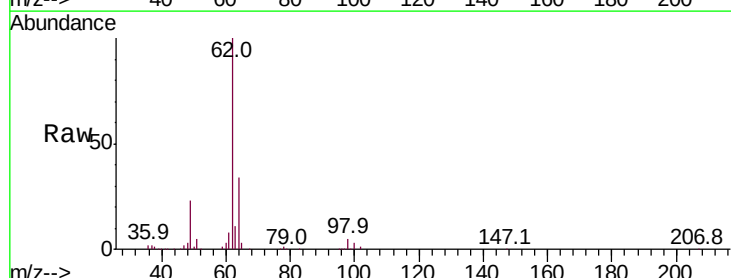
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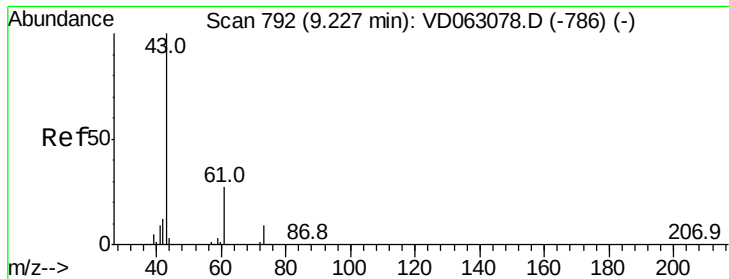
MMDadoda  
7/22/2019 10:43:02 AM



#42  
1,2-Dichloroethane  
Concen: 53.084 ug/l  
RT: 7.58 min Scan# 625  
Delta R.T. 0.02 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

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





#43

Isopropyl Acetate

Concen: 53.535 ug/l

RT: 9.25 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

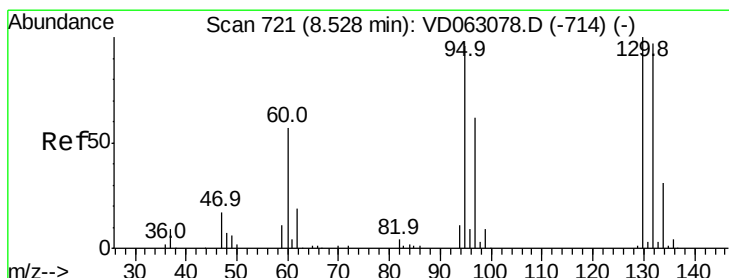
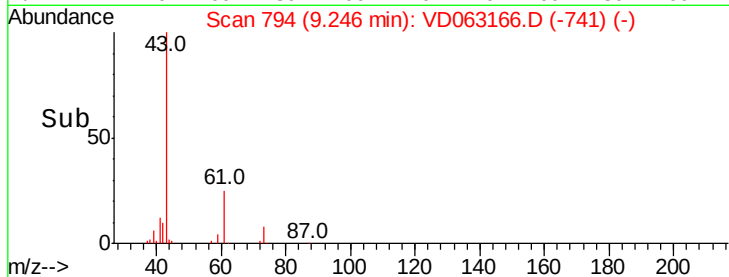
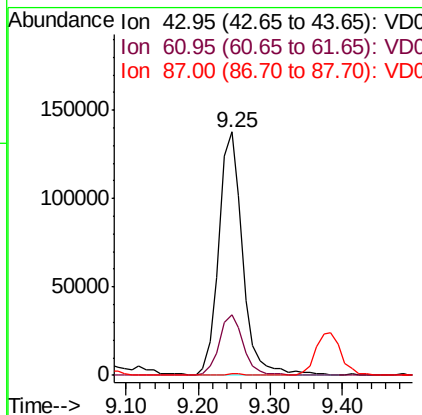
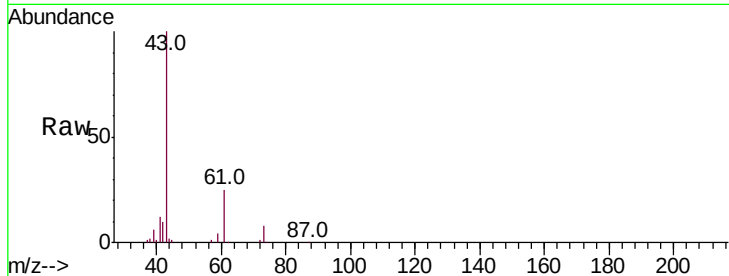
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 25.0  | 21.7  | 32.5  |
| 87      | 0.4   | 0.2   | 0.4   |

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#44

Trichloroethene

Concen: 46.520 ug/l

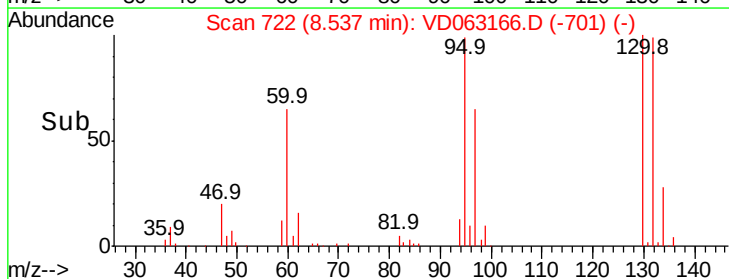
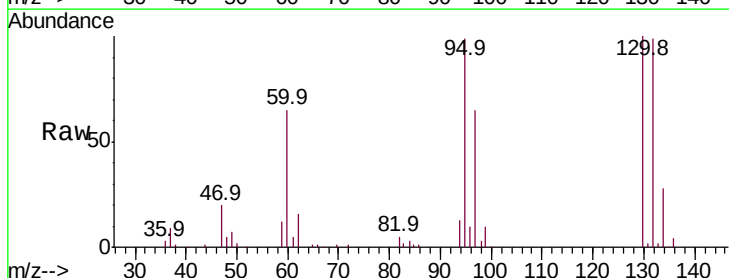
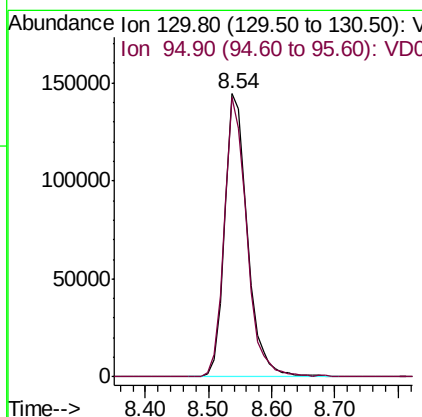
RT: 8.54 min Scan# 722

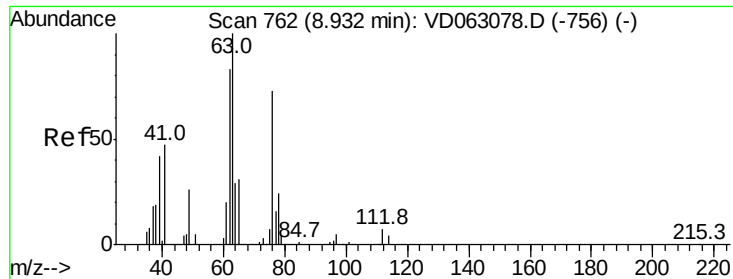
Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 98.8  | 0.0   | 191.4 |





#45

1,2-Dichloropropane

Concen: 47.395 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 63 Resp: 237630

Ion Ratio Lower Upper

63 100

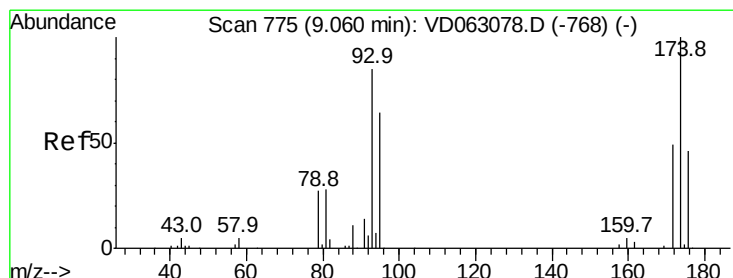
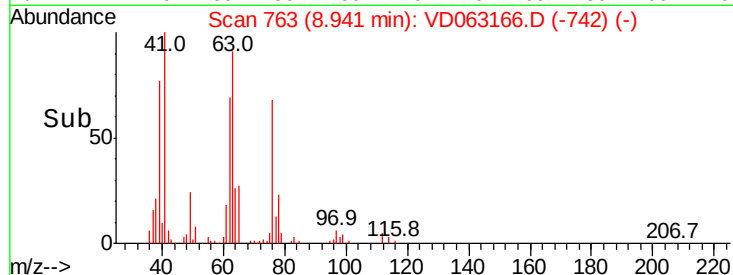
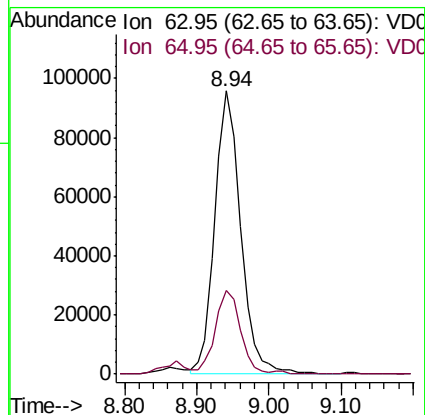
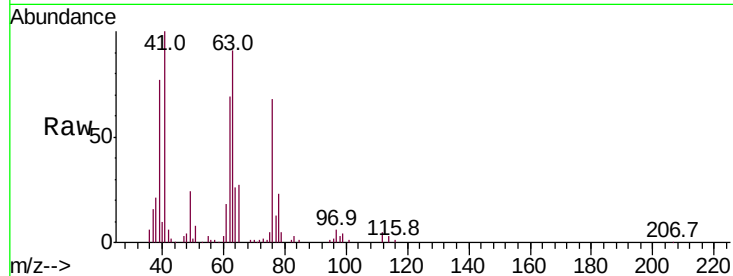
65 29.7 26.3 39.5

Manual Integrations

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#46

Dibromomethane

Concen: 51.289 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

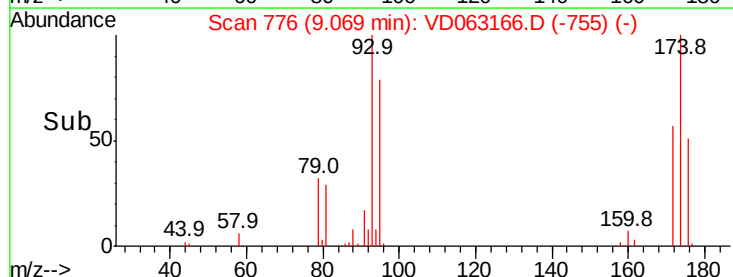
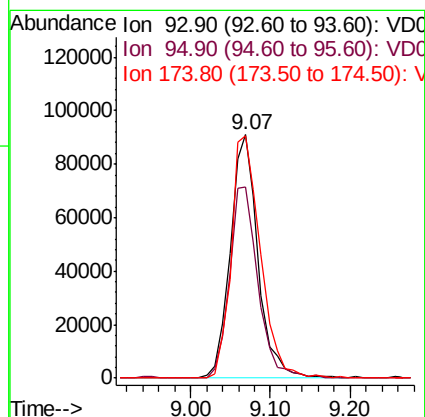
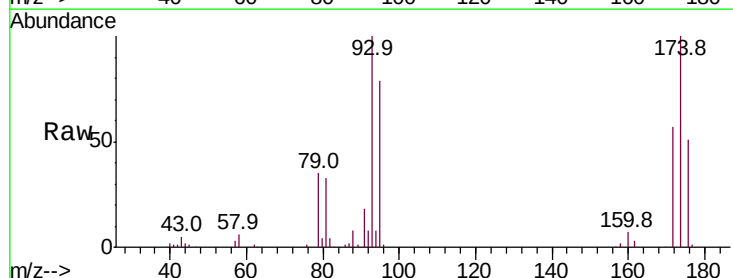
Tgt Ion: 93 Resp: 220978

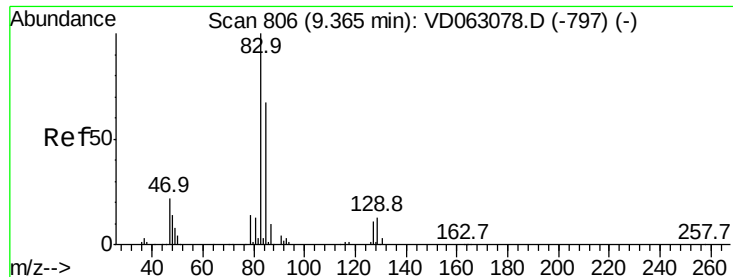
Ion Ratio Lower Upper

93 100

95 78.6 59.7 89.5

174 99.8 93.9 140.9





#47

Bromodichloromethane

Concen: 52.576 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

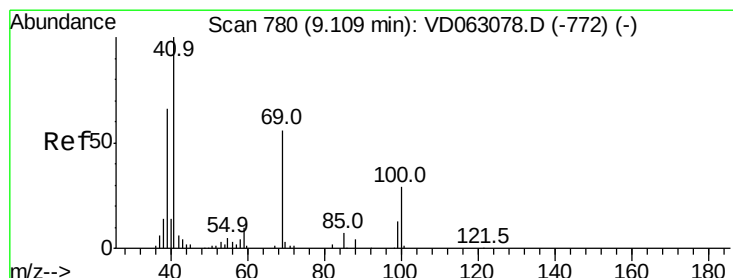
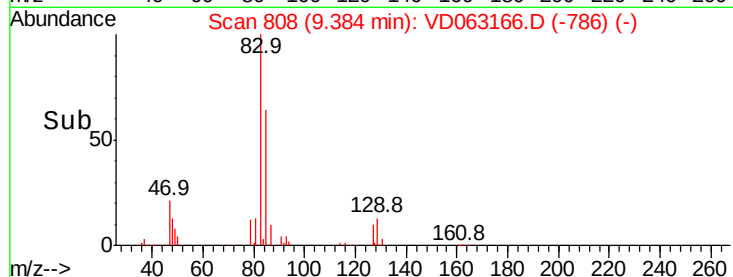
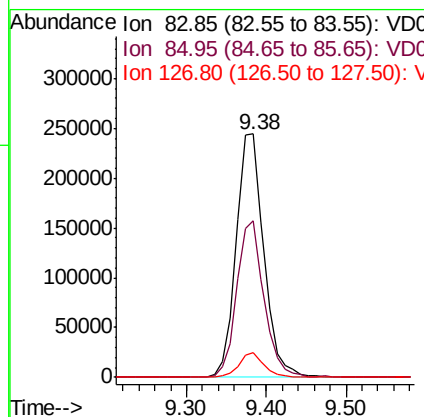
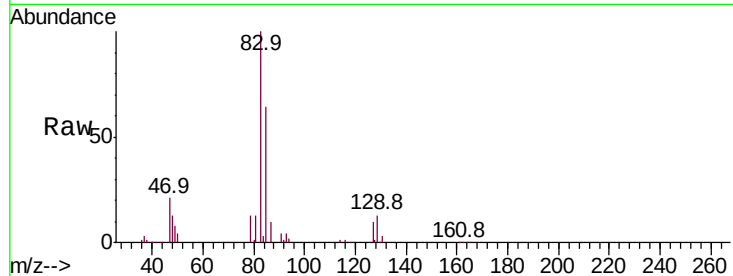
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 591111 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.2  | 53.7  | 80.5   |
| 127       | 10.3  | 9.0   | 13.6   |

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#48

Methyl methacrylate

Concen: 50.584 ug/l

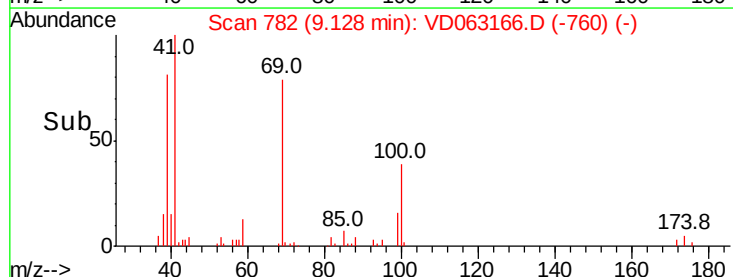
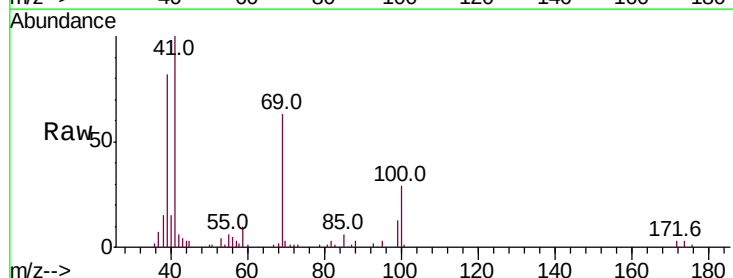
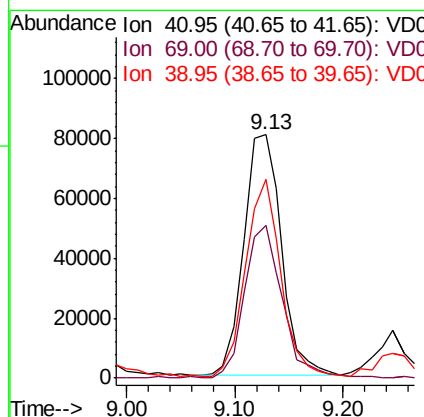
RT: 9.13 min Scan# 782

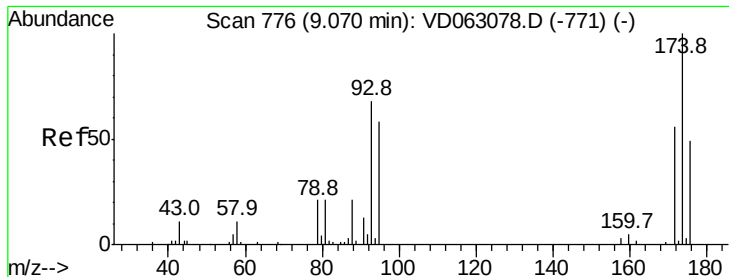
Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 195657 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 62.8  | 44.3  | 66.5   |
| 39        | 81.5  | 52.6  | 78.8#  |





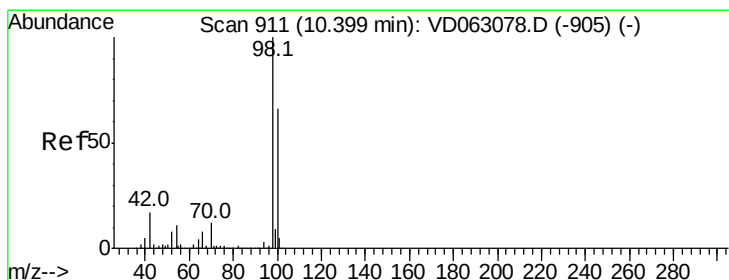
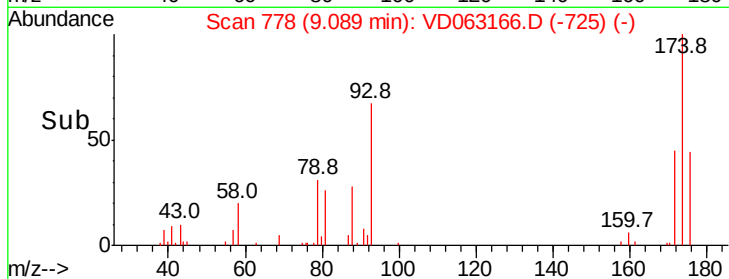
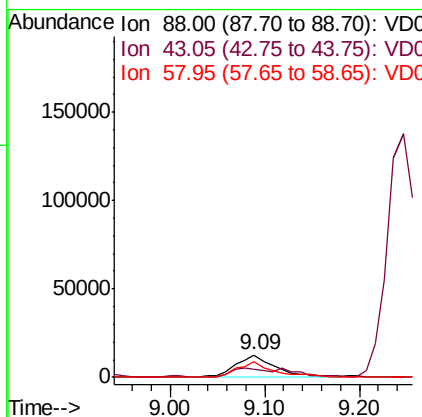
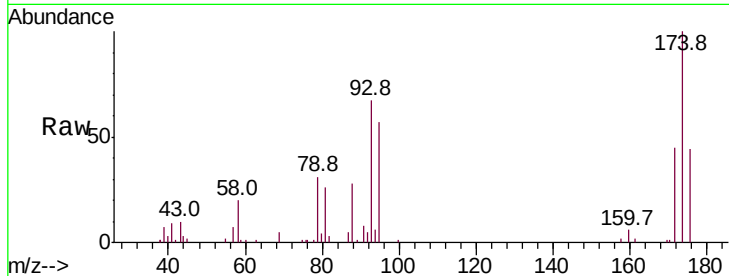
#49  
1,4-Dioxane  
Concen: 1091.161 ug/l  
RT: 9.09 min Scan# 778  
Delta R.T. 0.02 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 37.0  | 40.2  | 60.4# |
| 58      | 70.6  | 41.6  | 62.4# |

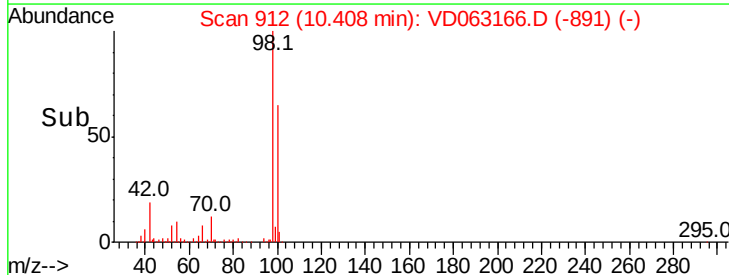
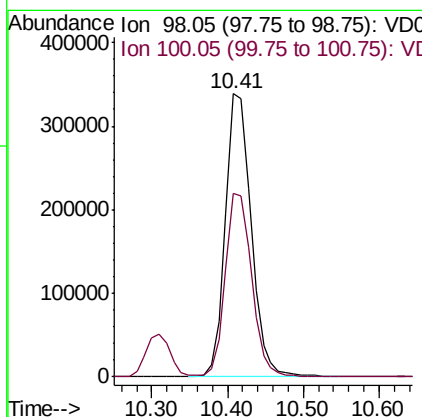
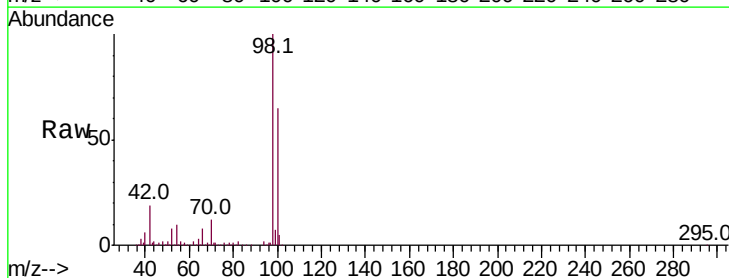
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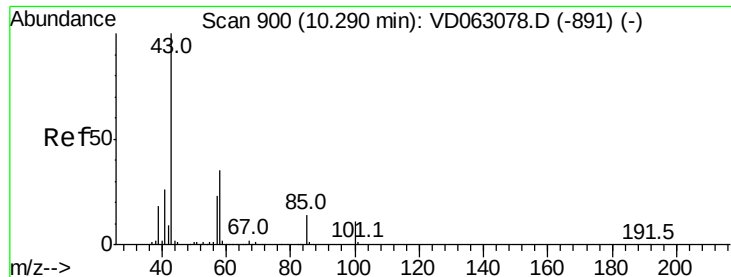
MMDadoda  
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#50  
Toluene-d8  
Concen: 43.800 ug/l  
RT: 10.41 min Scan# 912  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.0  | 53.5  | 80.3  |





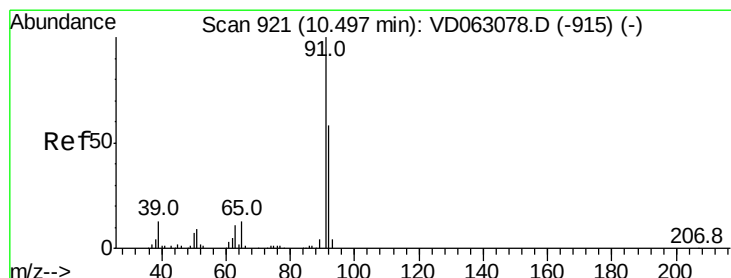
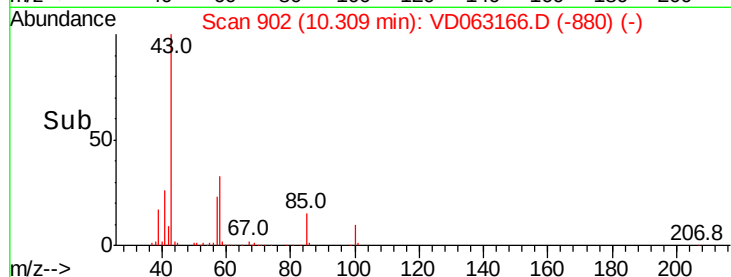
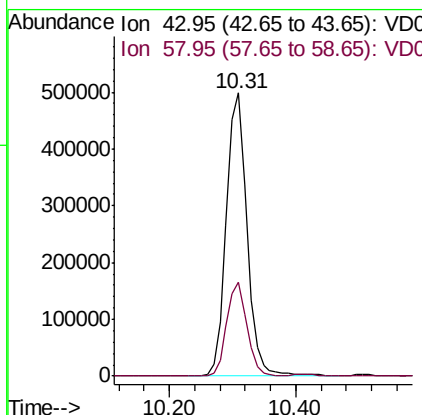
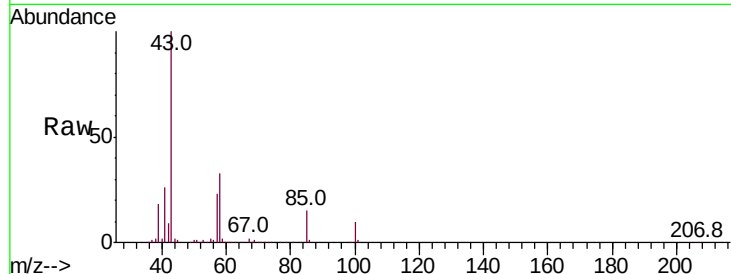
#51  
4-Methyl-2-Pentanone  
Concen: 290.396 ug/l  
RT: 10.31 min Scan# 902  
Delta R.T. 0.02 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1134459  
Ion Ratio Lower Upper  
43 100  
58 33.4 27.8 41.6

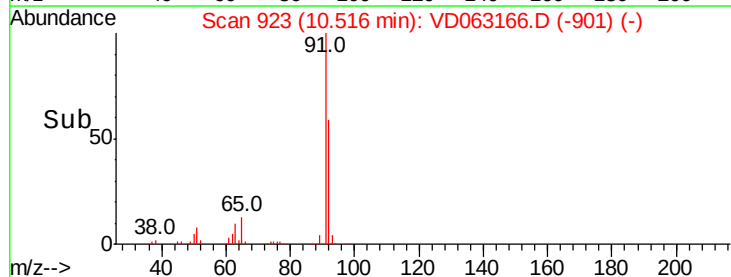
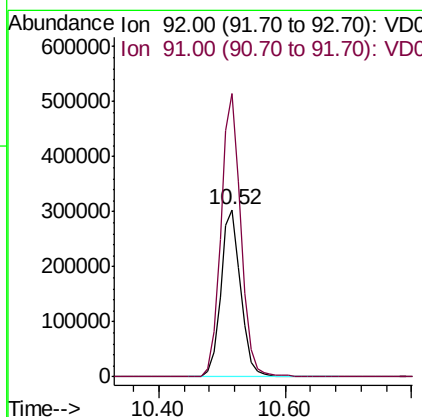
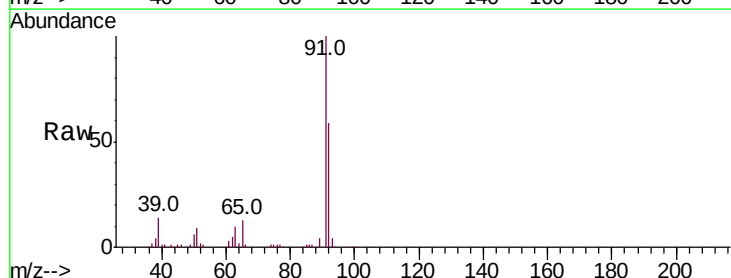
Manual Integrations  
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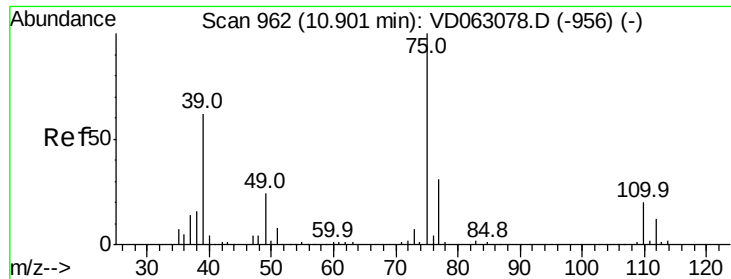
MMDadoda  
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#52  
Toluene  
Concen: 49.738 ug/l  
RT: 10.52 min Scan# 923  
Delta R.T. 0.02 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Tgt Ion: 92 Resp: 667916  
Ion Ratio Lower Upper  
92 100  
91 169.2 137.9 206.9





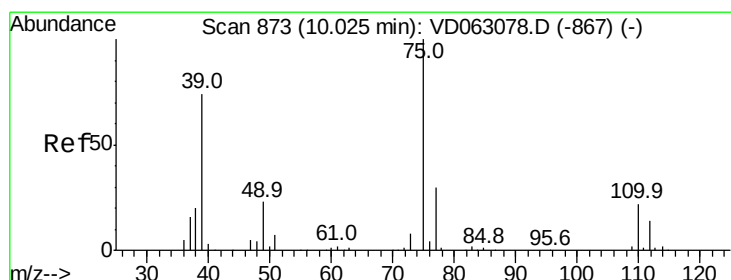
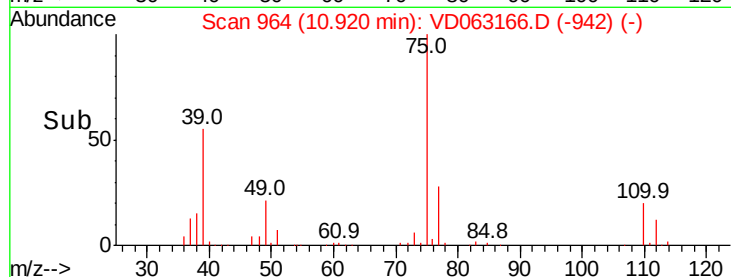
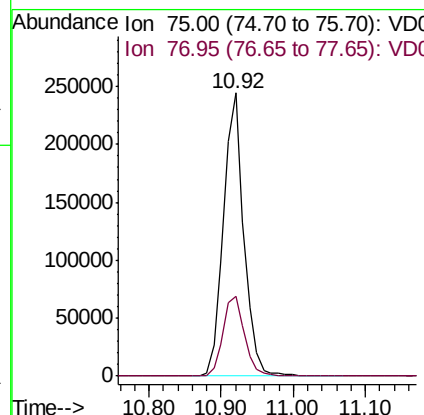
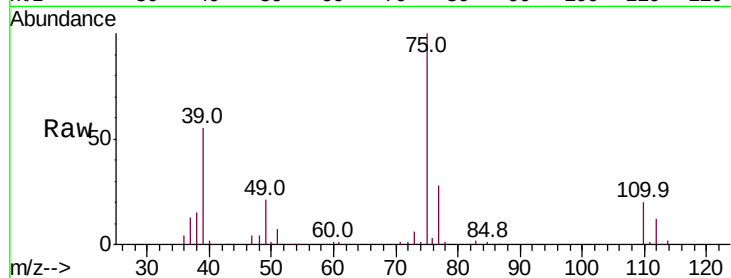
#53  
 t-1,3-Dichloropropene  
 Concen: 49.248 ug/l  
 RT: 10.92 min Scan# 964  
 Delta R.T. 0.02 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 75 Resp: 474383  
 Ion Ratio Lower Upper  
 75 100  
 77 28.1 24.9 37.3

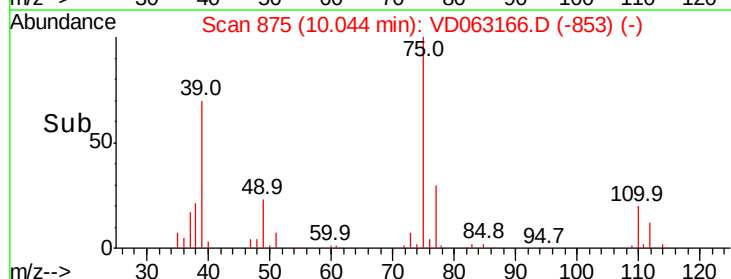
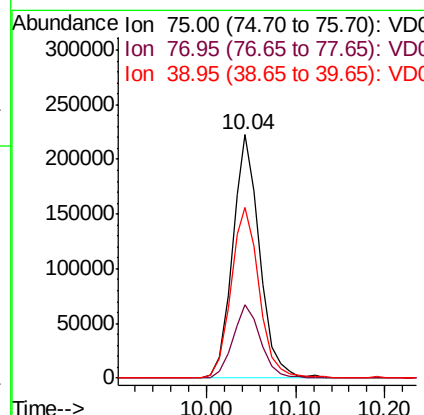
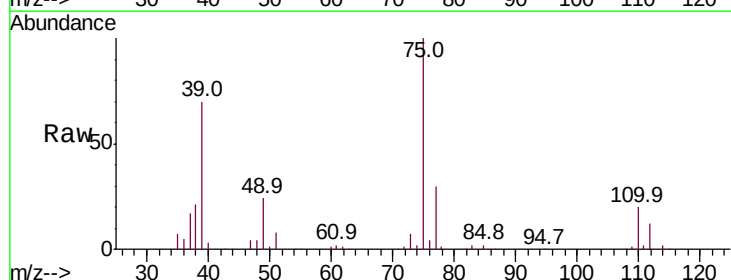
Manual Integrations  
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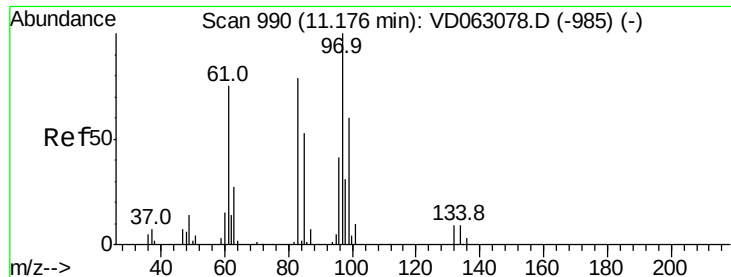


#54  
 cis-1,3-Dichloropropene  
 Concen: 47.602 ug/l  
 RT: 10.04 min Scan# 875  
 Delta R.T. 0.02 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Tgt Ion: 75 Resp: 474114  
 Ion Ratio Lower Upper  
 75 100  
 77 30.2 23.9 35.9  
 39 70.3 59.4 89.0







#55

1,1,2-Trichloroethane

Concen: 50.154 ug/l

RT: 11.20 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

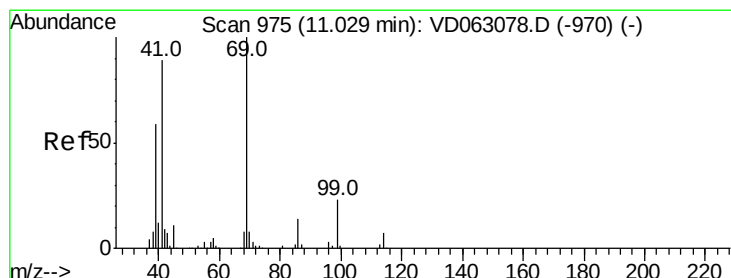
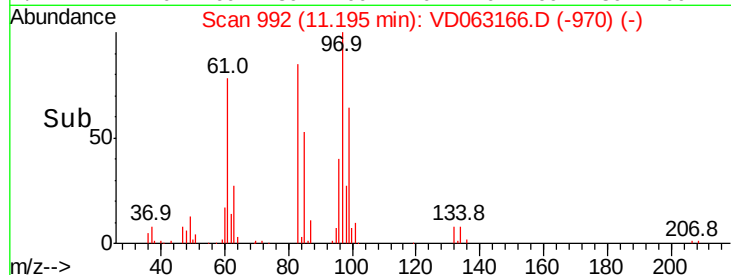
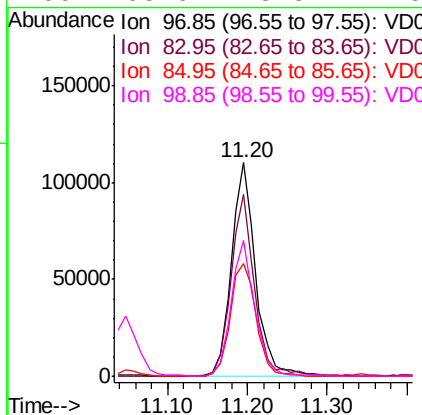
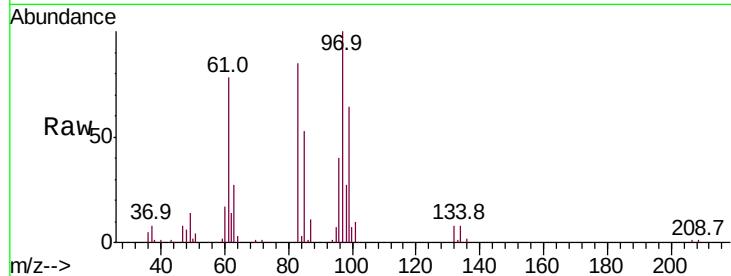
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 232750 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.1  | 63.2  | 94.8   |
| 85       | 52.9  | 42.0  | 63.0   |
| 99       | 63.6  | 48.3  | 72.5   |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 53.383 ug/l

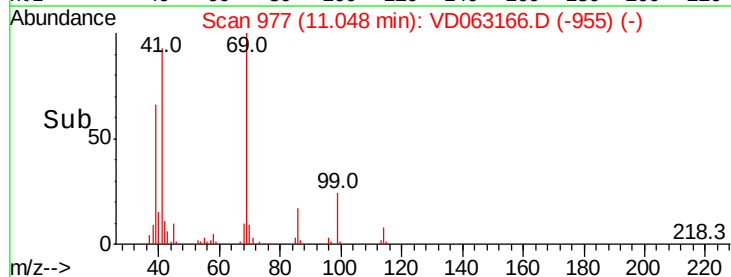
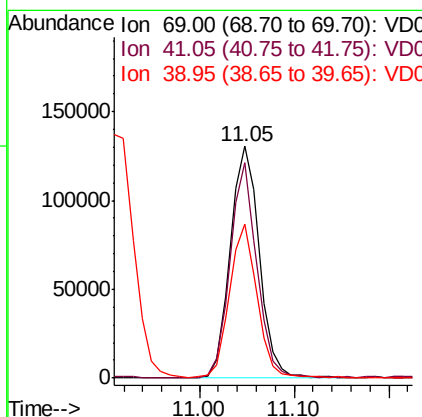
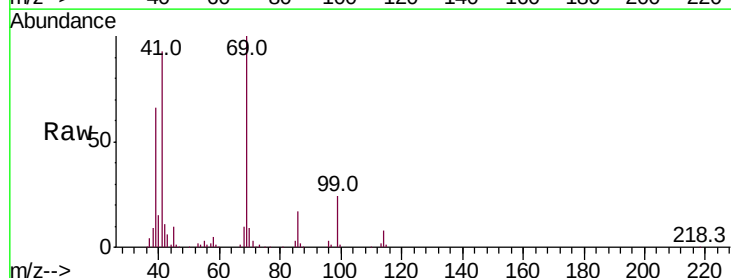
RT: 11.05 min Scan# 977

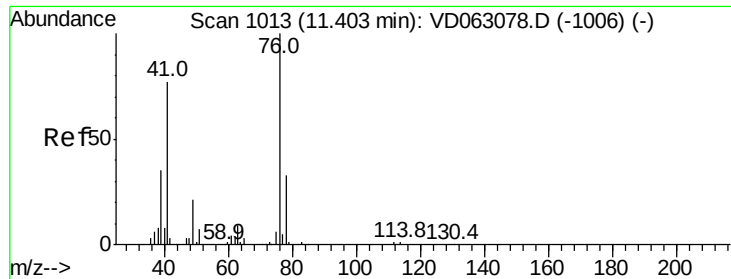
Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 276797 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 92.9  | 71.0  | 106.4  |
| 39       | 66.3  | 47.7  | 71.5   |





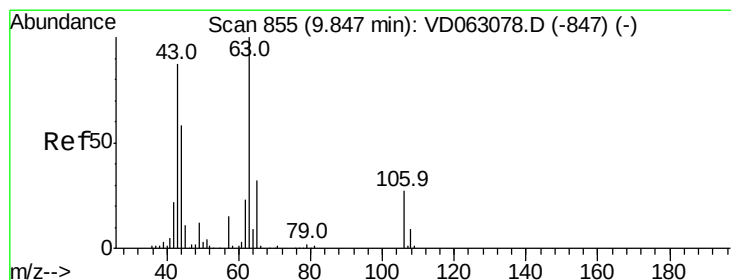
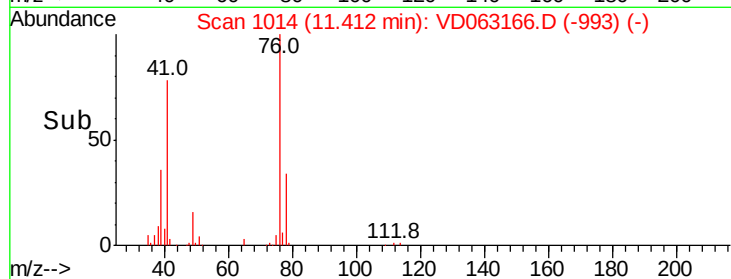
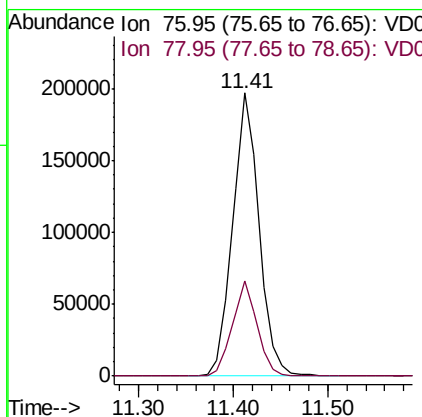
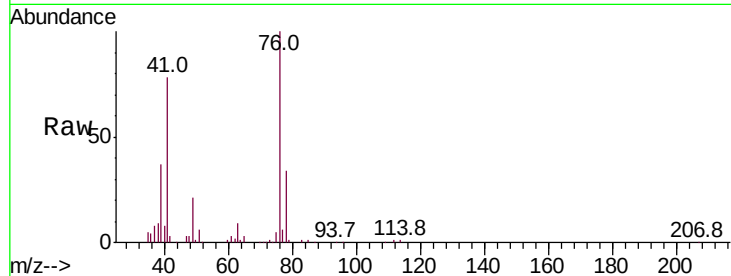
#57  
 1,3-Dichloropropane  
 Concen: 53.640 ug/l  
 RT: 11.41 min Scan# 1014  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 378785  
 Ion Ratio Lower Upper  
 76 100  
 78 33.7 26.8 40.2

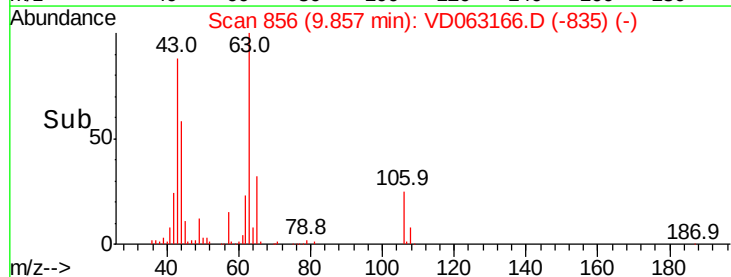
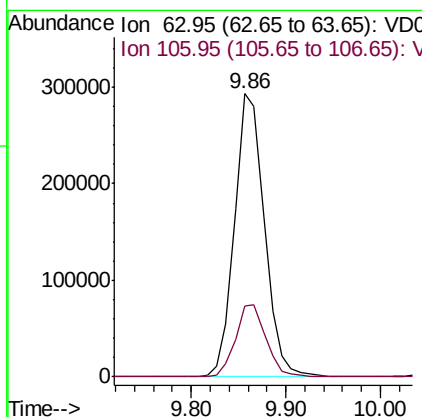
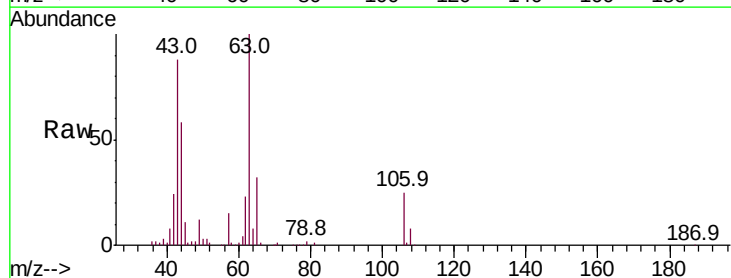
Manual Integrations  
 APPROVED

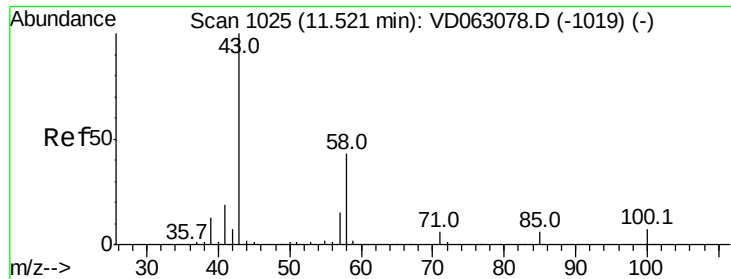
MMDadoda  
 7/22/2019 10:43:02 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 223.103 ug/l  
 RT: 9.86 min Scan# 856  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Tgt Ion: 63 Resp: 644121  
 Ion Ratio Lower Upper  
 63 100  
 106 25.2 21.3 31.9





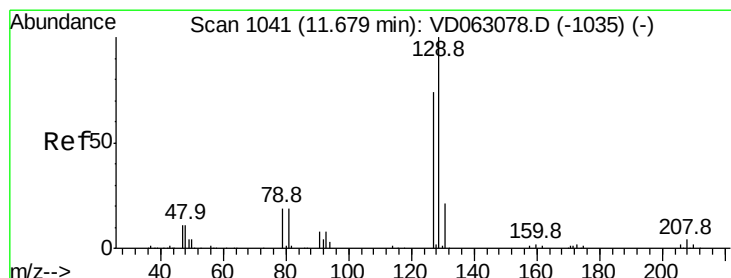
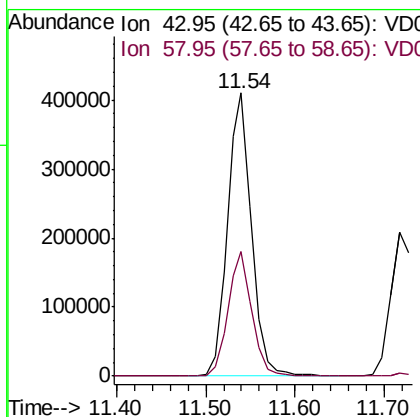
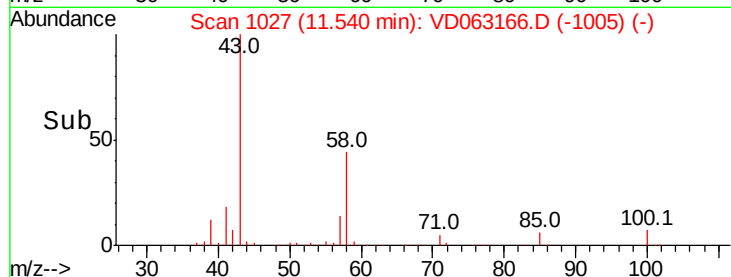
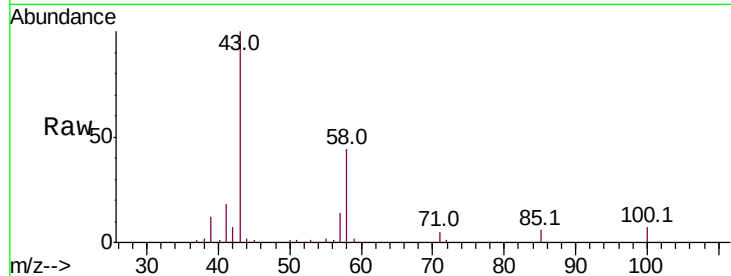
#59  
2-Hexanone  
Concen: 258.086 ug/l  
RT: 11.54 min Scan# 1027  
Delta R.T. 0.02 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 777559  
Ion Ratio Lower Upper  
43 100  
58 44.1 21.7 65.1

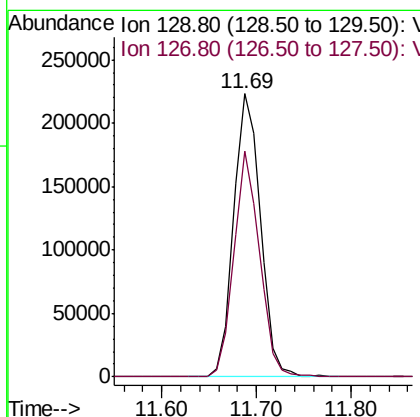
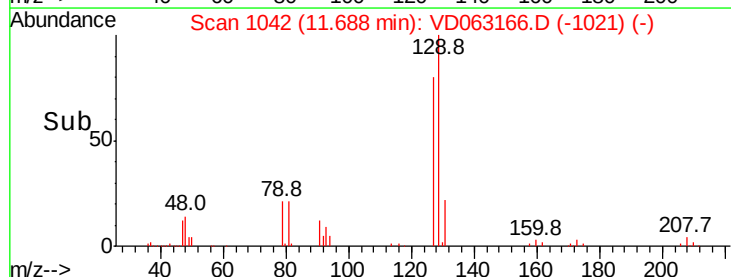
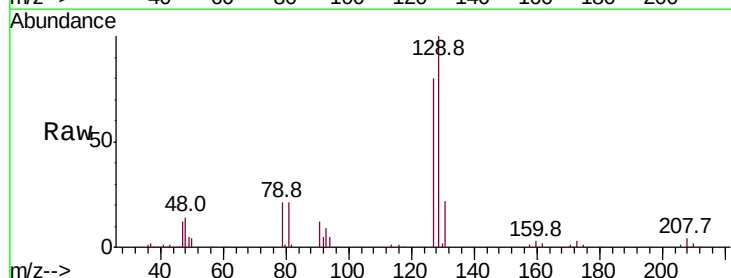
Manual Integrations  
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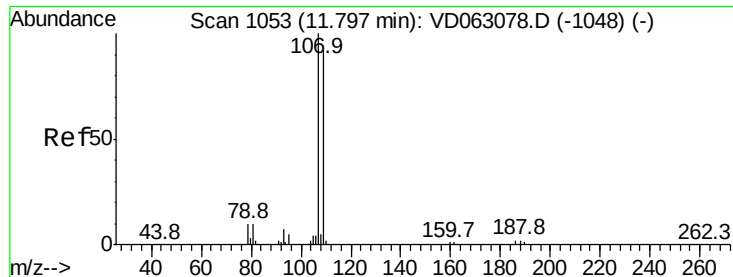
MMDadoda  
7/22/2019 10:43:02 AM



#60  
Dibromochloromethane  
Concen: 49.285 ug/l  
RT: 11.69 min Scan# 1042  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Tgt Ion: 129 Resp: 438428  
Ion Ratio Lower Upper  
129 100  
127 79.7 37.0 110.9





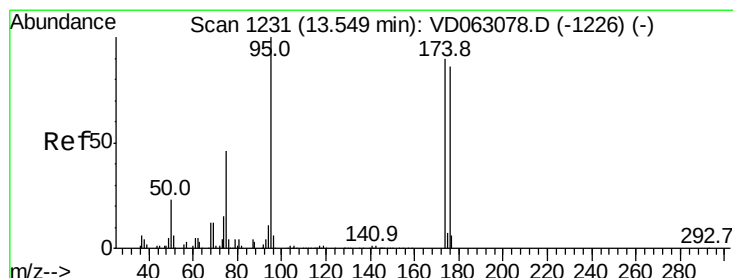
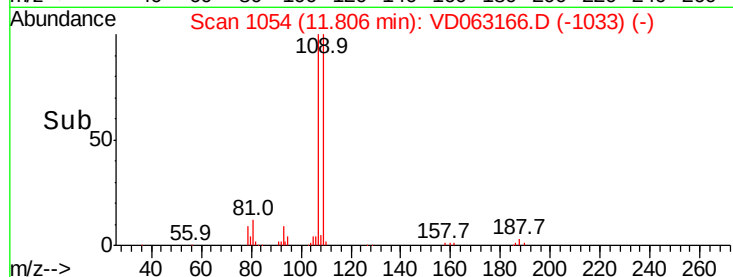
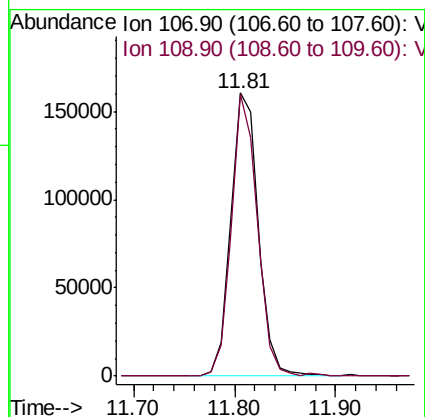
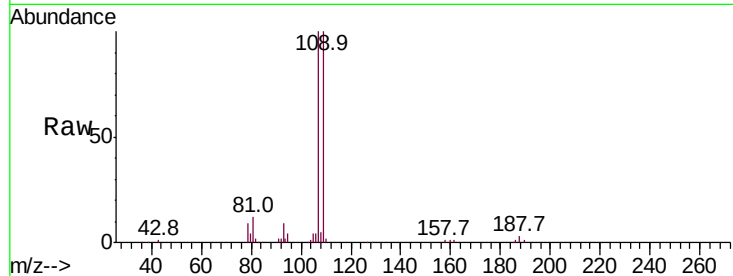
#61  
 1,2-Dibromoethane  
 Concen: 54.361 ug/l  
 RT: 11.81 min Scan# 1054  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 301971 |       |       |
| 109     | 99.6  | 73.6   | 110.4 |       |

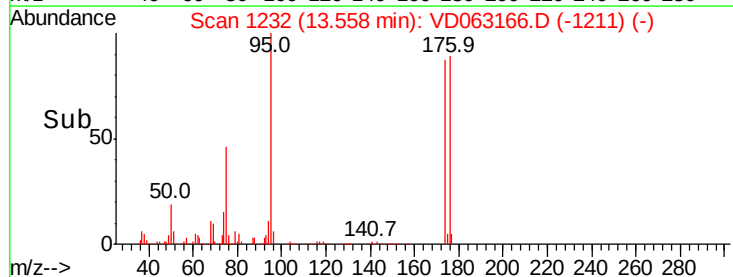
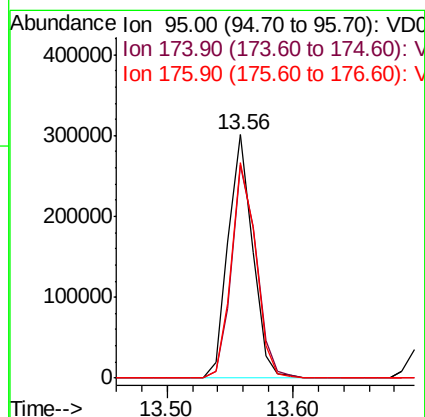
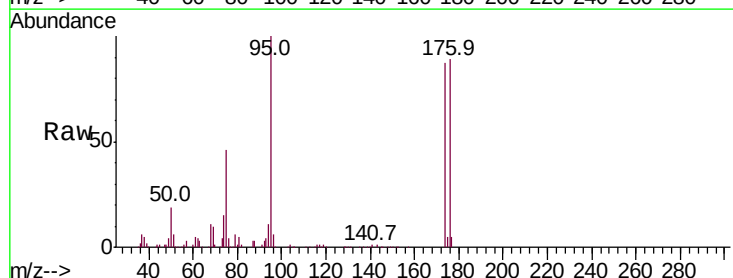
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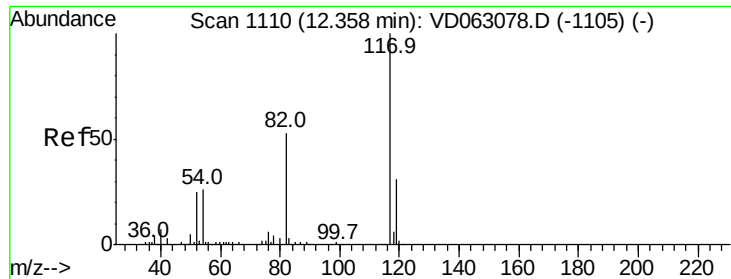
MMDadoda  
 7/22/2019 10:43:02 AM



#62  
 4-Bromofluorobenzene  
 Concen: 47.510 ug/l  
 RT: 13.56 min Scan# 1232  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 401464 |       |       |
| 174     | 87.4  | 0.0    | 180.6 |       |
| 176     | 88.5  | 0.0    | 172.2 |       |





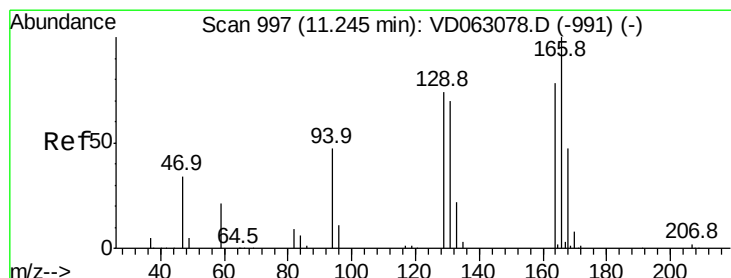
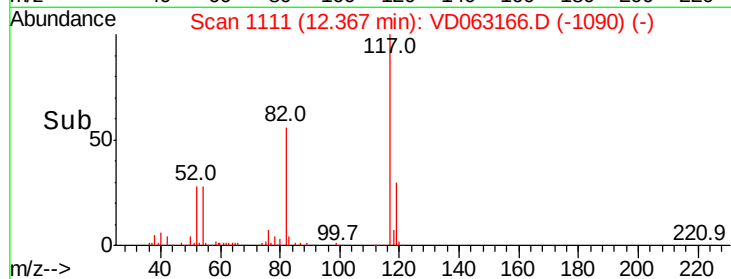
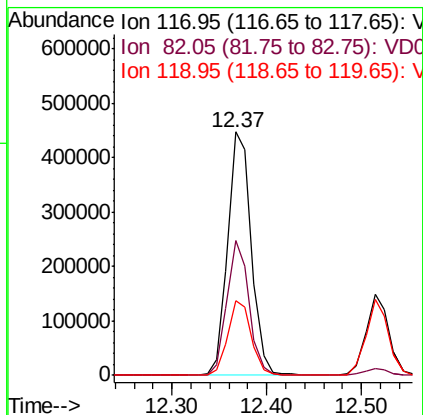
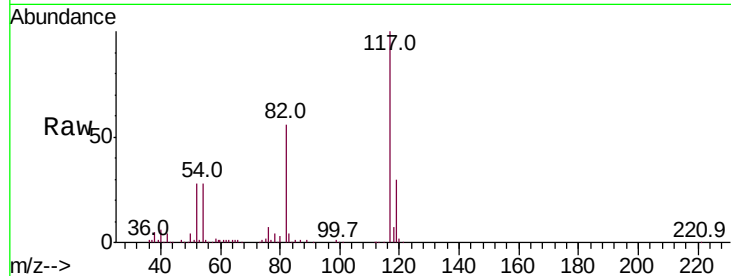
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1111  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.6  | 42.3  | 63.5  |
| 119     | 30.4  | 25.2  | 37.8  |

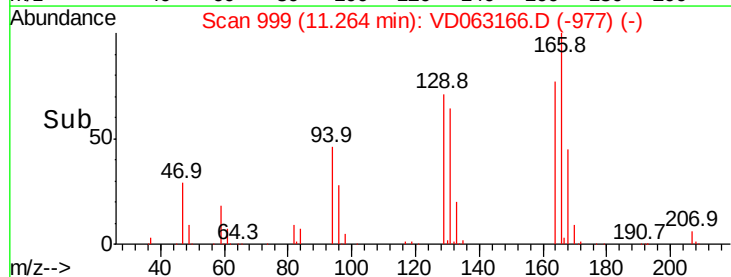
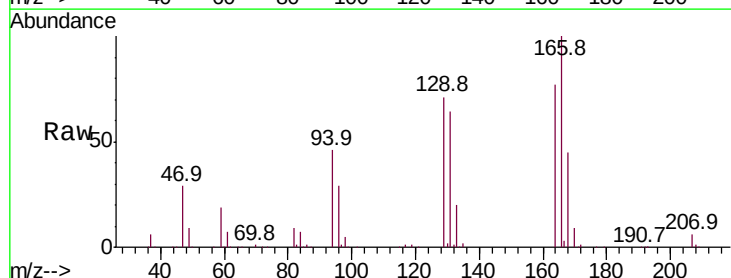
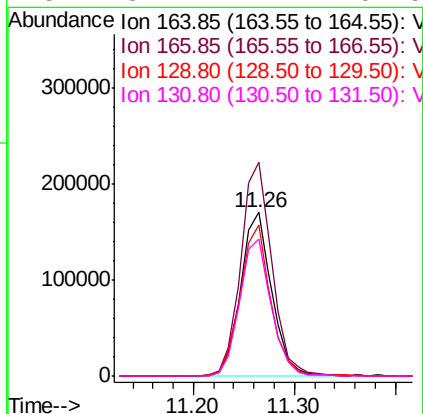
Manual Integrations  
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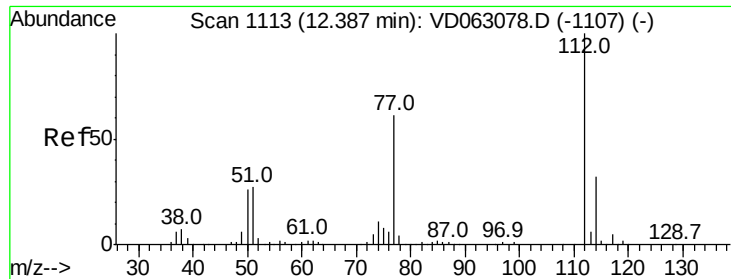
MMDadoda  
7/22/2019 10:43:02 AM



#64  
Tetrachloroethene  
Concen: 48.598 ug/l  
RT: 11.26 min Scan# 999  
Delta R.T. 0.02 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 130.6 | 102.8 | 154.2 |
| 129     | 92.7  | 76.4  | 114.6 |
| 131     | 84.1  | 71.7  | 107.5 |





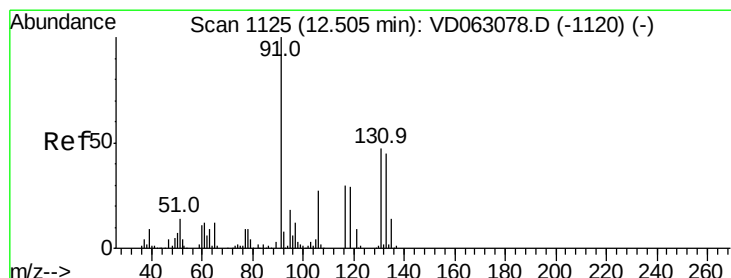
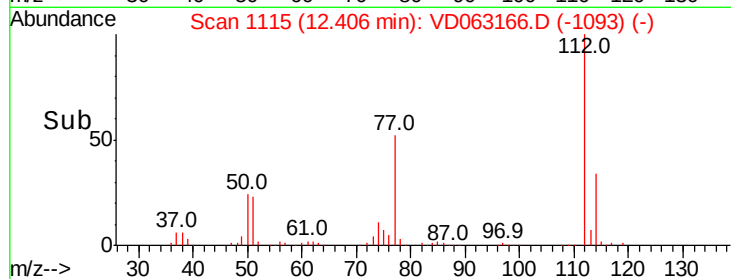
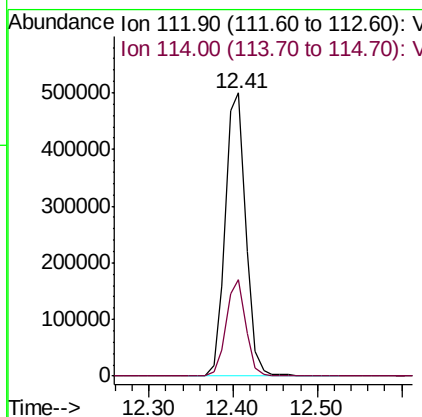
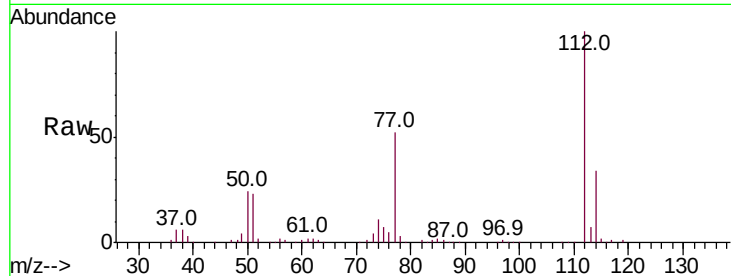
#65  
Chlorobenzene  
Concen: 46.488 ug/l  
RT: 12.41 min Scan# 1115  
Delta R.T. 0.02 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 844924  
Ion Ratio Lower Upper  
112 100  
114 34.2 25.9 38.9

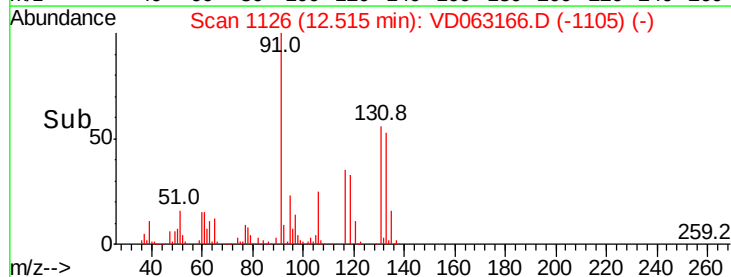
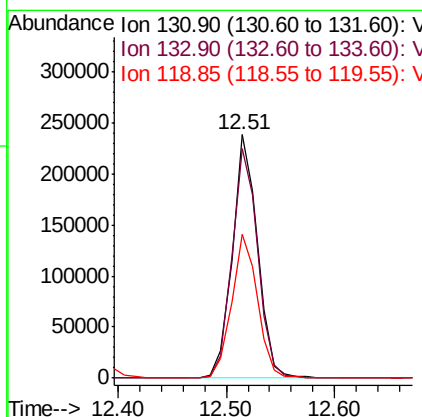
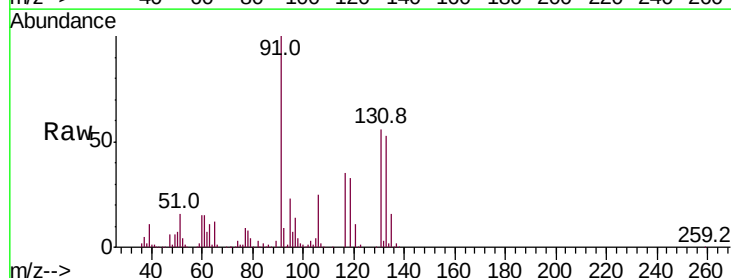
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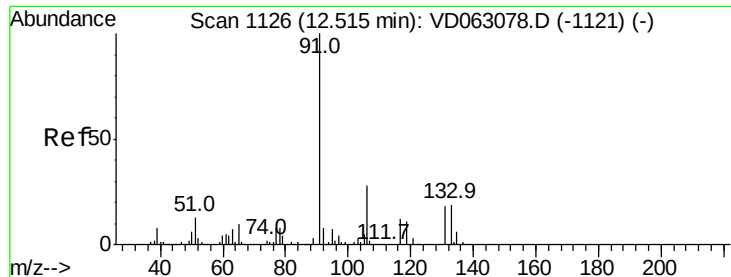
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 45.824 ug/l  
RT: 12.51 min Scan# 1126  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Tgt Ion:131 Resp: 386137  
Ion Ratio Lower Upper  
131 100  
133 94.3 48.5 145.6  
119 58.9 30.8 92.3





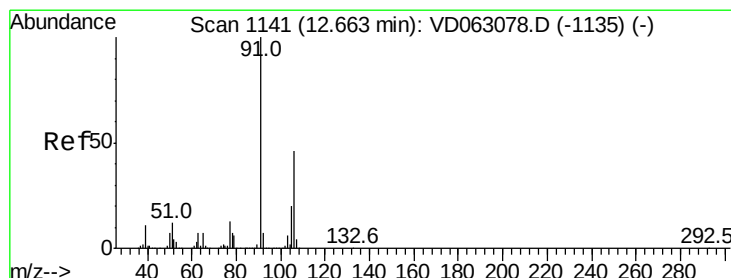
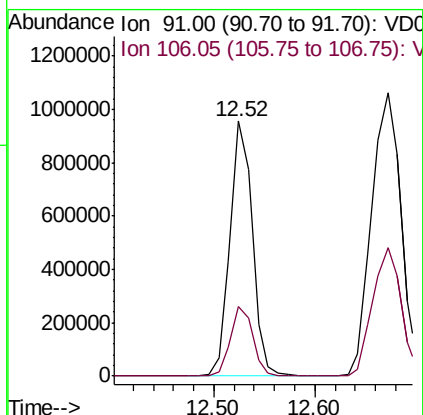
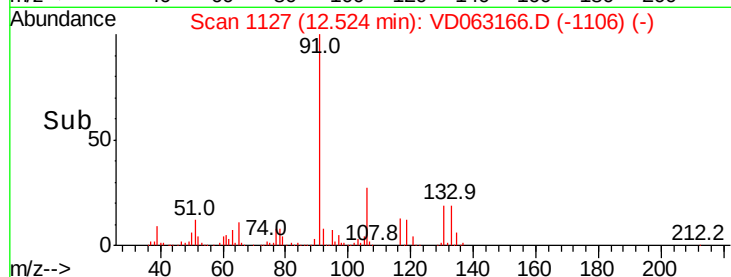
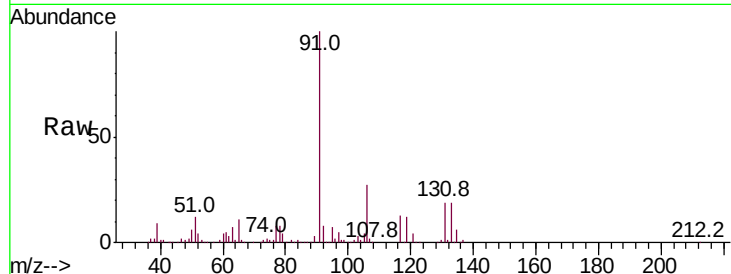
#67  
Ethyl Benzene  
Concen: 46.462 ug/l  
RT: 12.52 min Scan# 1127  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 1467265  
Ion Ratio Lower Upper  
91 100  
106 27.3 22.5 33.7

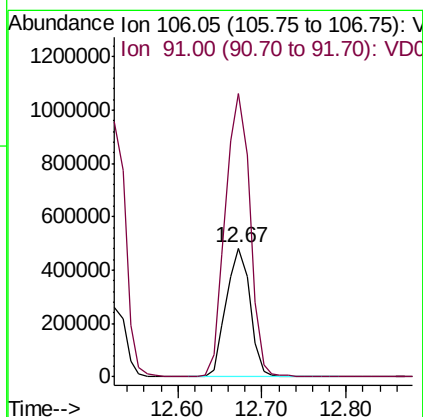
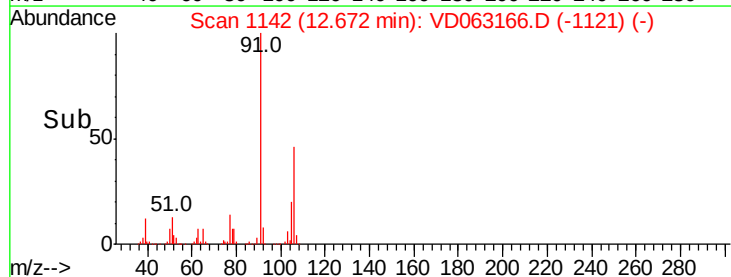
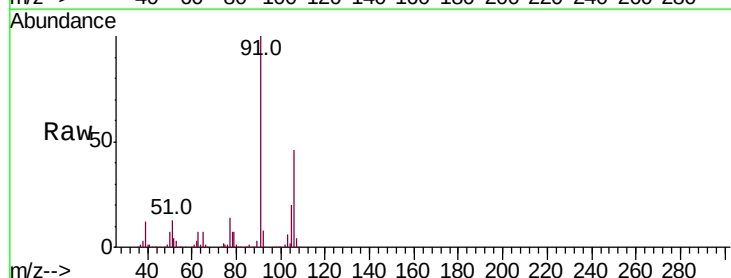
Manual Integrations  
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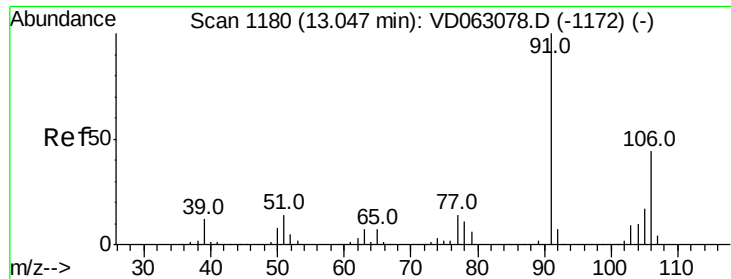
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#68  
m/p-Xylenes  
Concen: 84.647 ug/l  
RT: 12.67 min Scan# 1142  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Tgt Ion: 106 Resp: 957433  
Ion Ratio Lower Upper  
106 100  
91 219.2 173.0 259.6





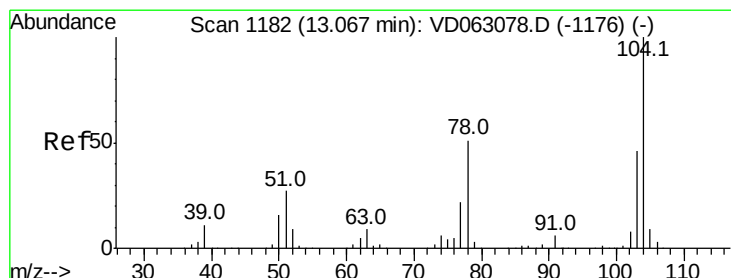
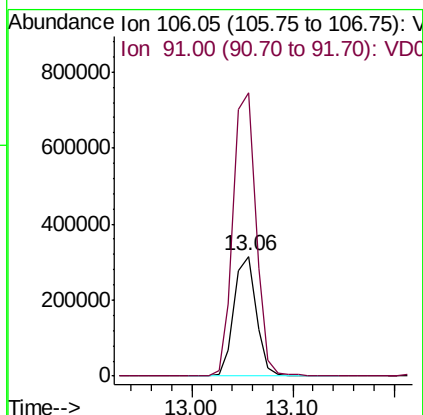
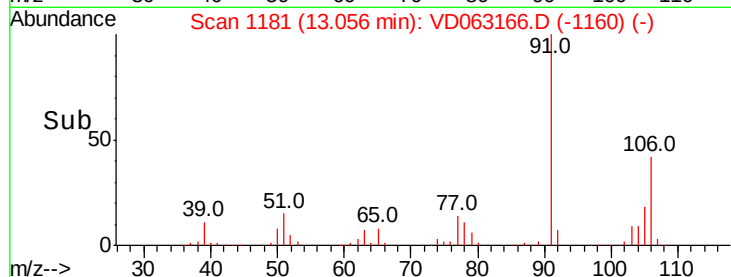
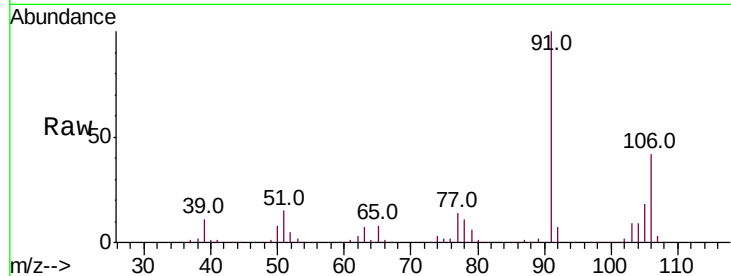
#69  
o-Xylene  
Concen: 45.137 ug/l  
RT: 13.06 min Scan# 1181  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 484099  
Ion Ratio Lower Upper  
106 100  
91 236.6 114.9 344.7

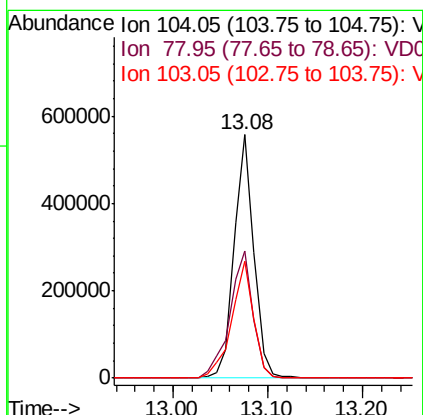
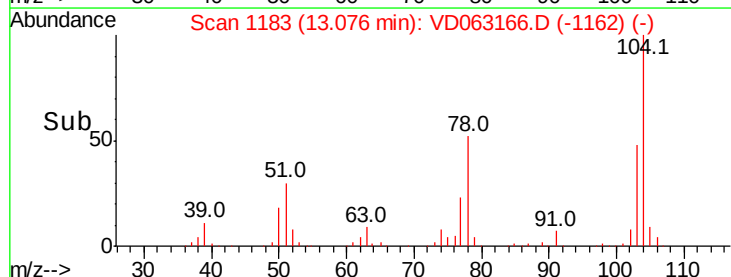
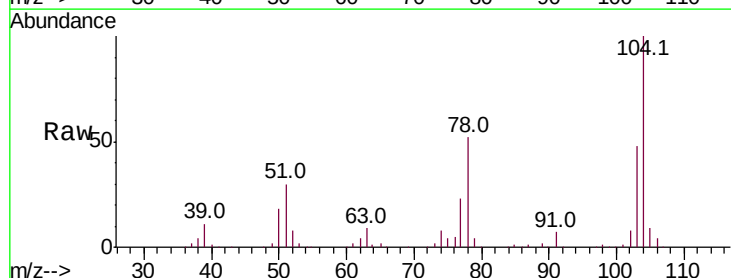
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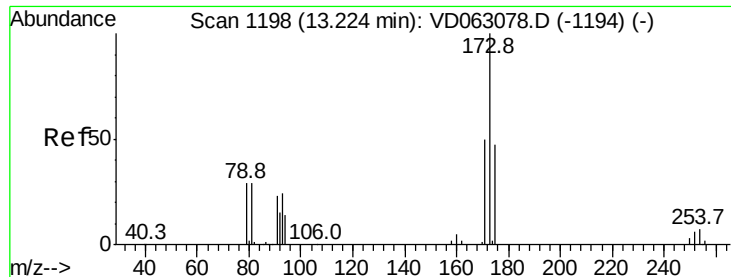


#70  
Styrene  
Concen: 42.871 ug/l  
RT: 13.08 min Scan# 1183  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Tgt Ion:104 Resp: 804826  
Ion Ratio Lower Upper  
104 100  
78 52.4 41.1 61.7  
103 48.2 37.0 55.6







#71

Bromoform

Concen: 52.219 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 308061

Ion Ratio Lower Upper

173 100

175 49.6 23.4 70.2

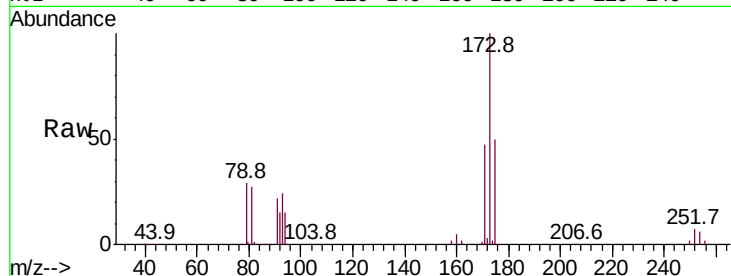
254 6.0 5.4 8.0

Manual Integrations

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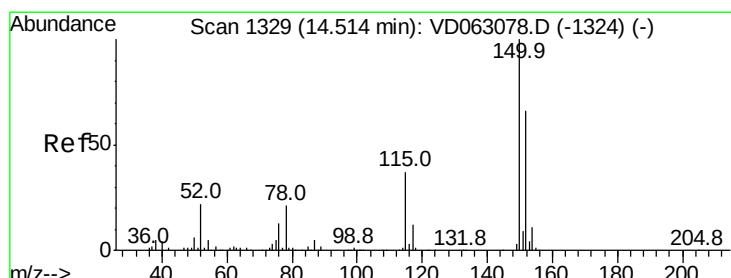
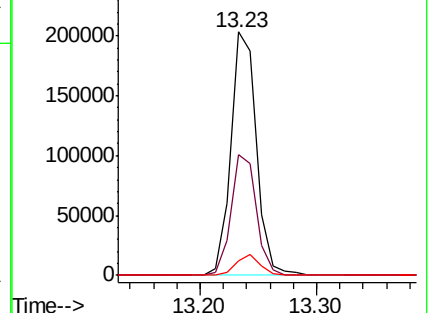
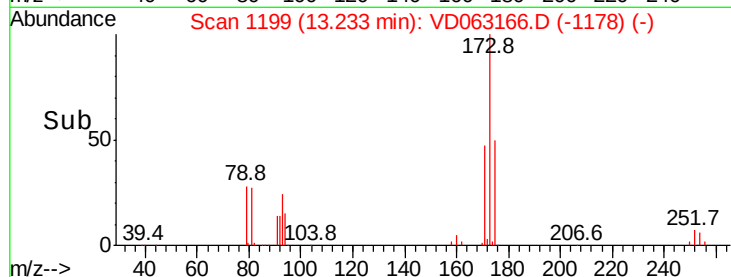
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

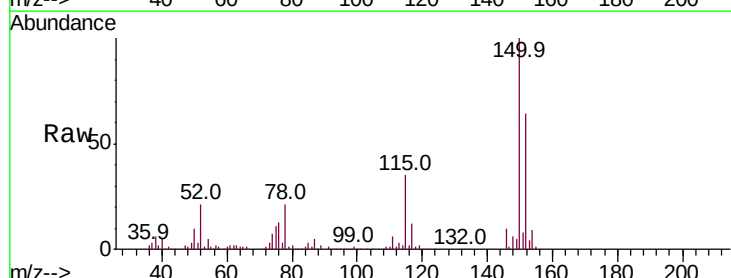
Tgt Ion:152 Resp: 405723

Ion Ratio Lower Upper

152 100

115 55.8 28.9 86.8

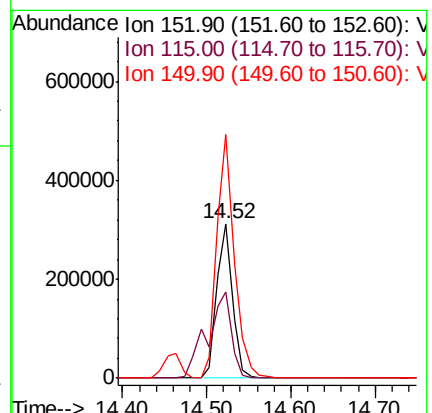
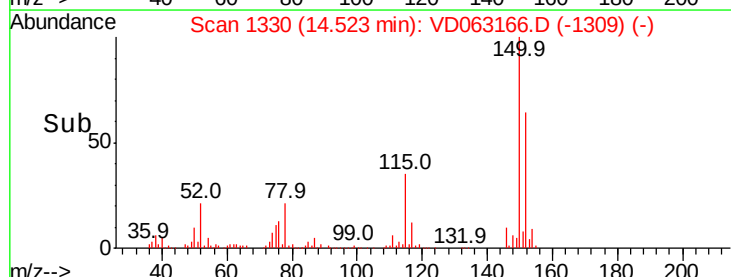
150 157.4 0.0 313.8

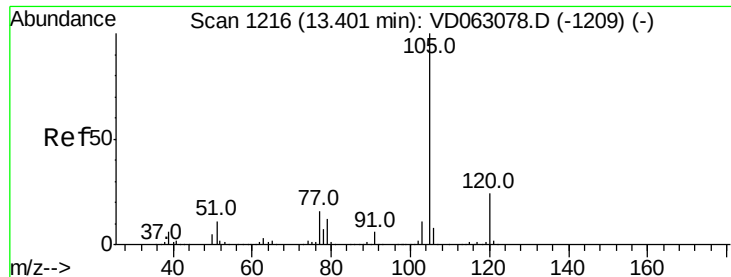


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.792 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1528793

Ion Ratio Lower Upper

105 100

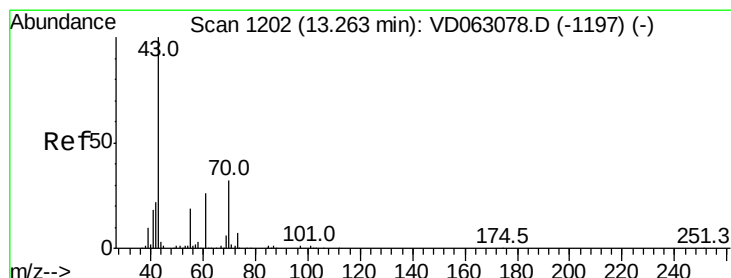
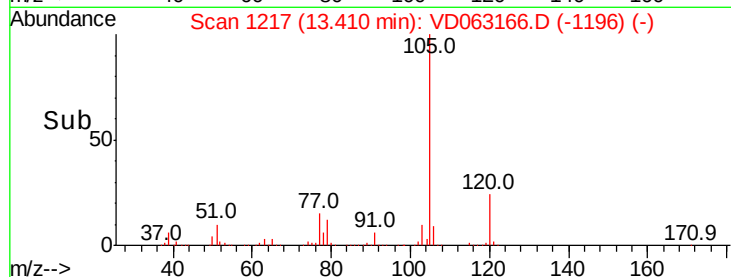
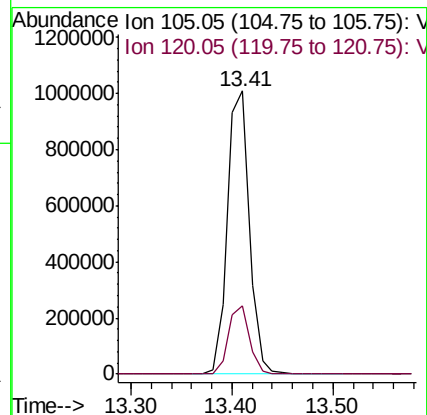
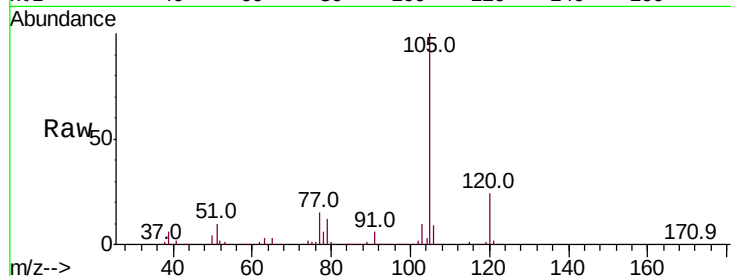
120 24.0 12.2 36.4

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#74

N-ethyl acetate

Concen: 50.804 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Tgt Ion: 43 Resp: 443945

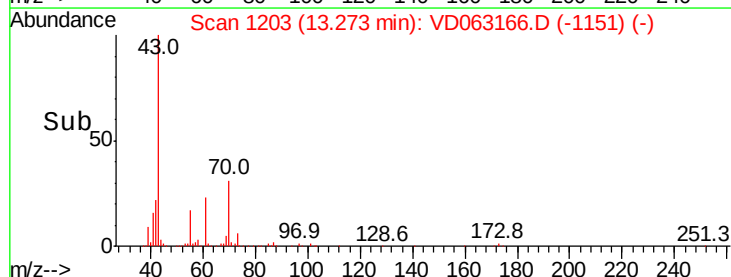
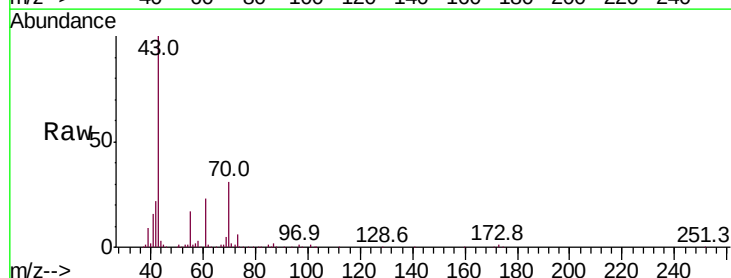
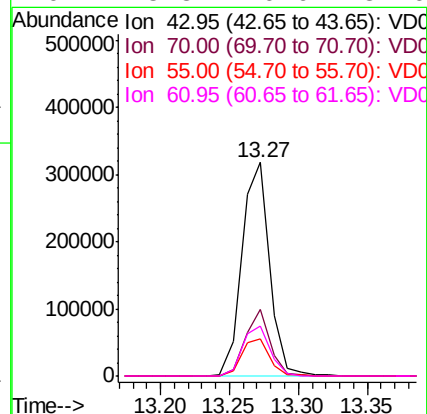
Ion Ratio Lower Upper

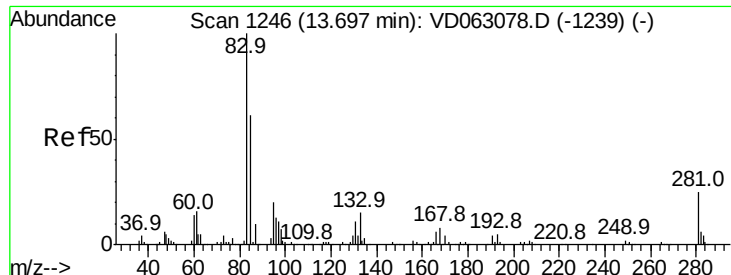
43 100

70 31.2 25.5 38.3

55 17.1 15.4 23.0

61 23.3 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.466 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 316202

Ion Ratio Lower Upper

83 100

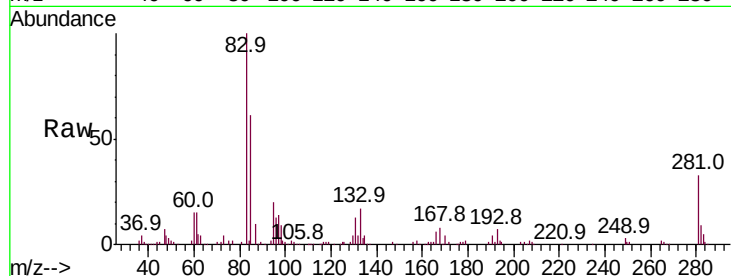
131 12.9 5.5 16.7

85 60.6 30.7 92.1

Manual Integrations  
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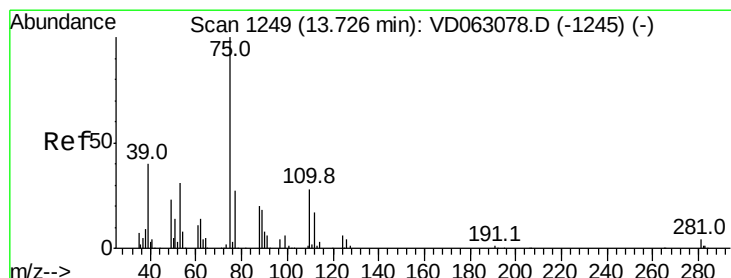
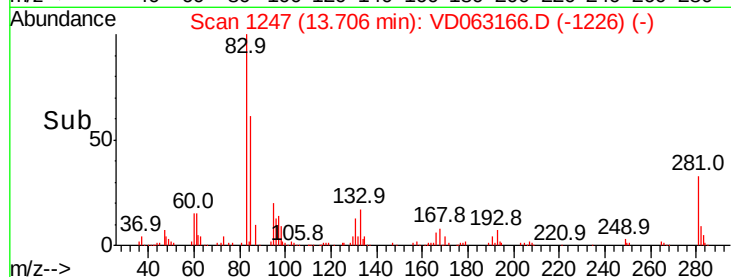
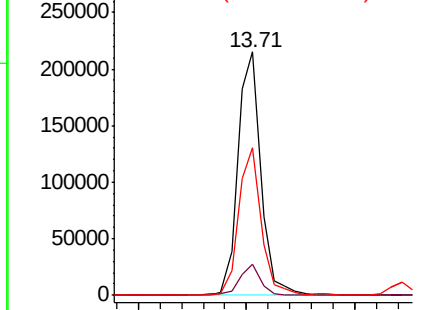
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 53.090 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD063166.D

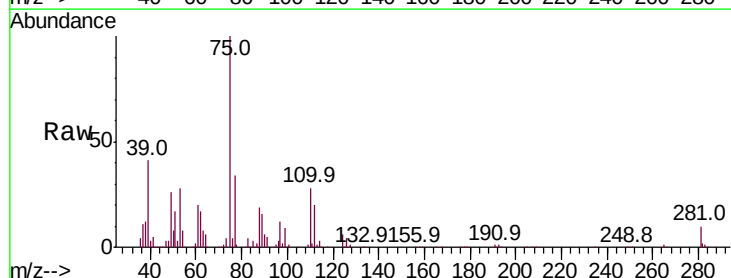
Acq: 19 Jul 2019 20:59

Tgt Ion: 75 Resp: 331346

Ion Ratio Lower Upper

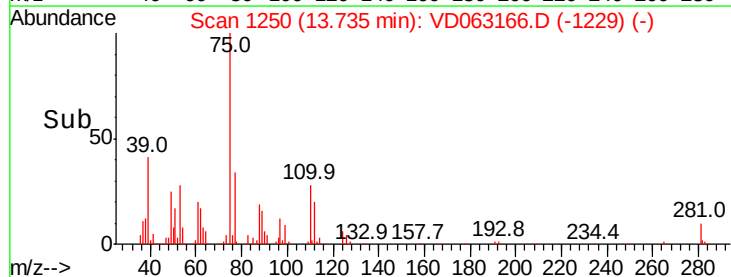
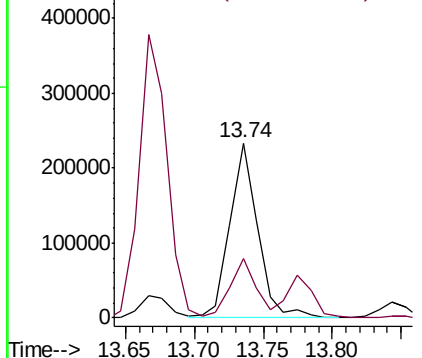
75 100

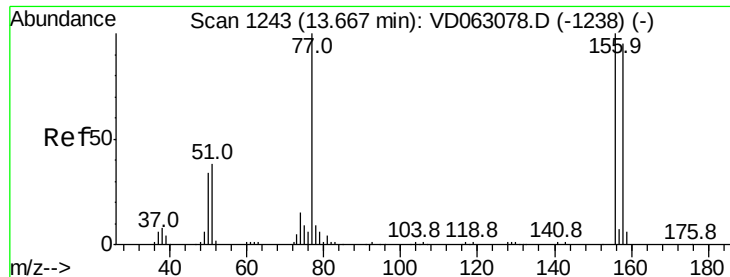
77 33.7 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.829 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 442756

Ion Ratio Lower Upper

156 100

77 95.8 50.2 150.7

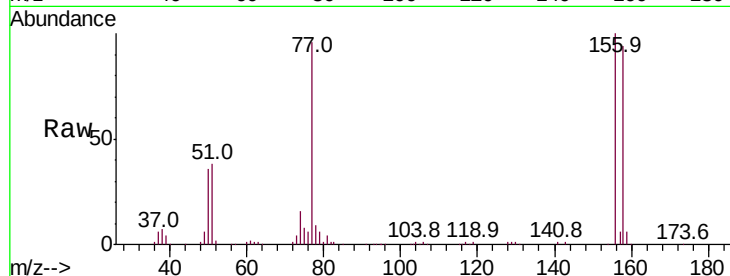
158 94.5 47.6 142.9

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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

500000

400000

300000

200000

100000

0

13.68

13.70

13.72

13.74

13.76

13.78

13.80

13.82

13.84

13.86

13.88

13.90

13.92

13.94

13.96

13.98

14.00

14.02

14.04

14.06

14.08

14.10

14.12

14.14

14.16

14.18

14.20

14.22

14.24

14.26

14.28

14.30

14.32

14.34

14.36

14.38

14.40

14.42

14.44

14.46

14.48

14.50

14.52

14.54

14.56

14.58

14.60

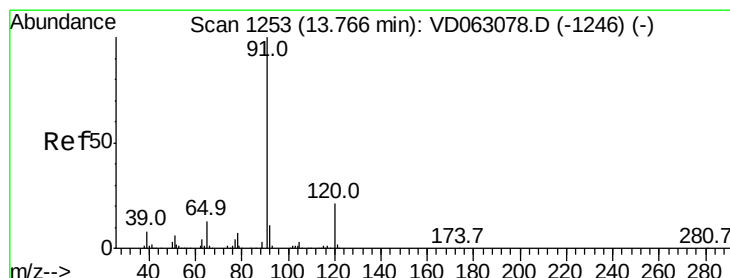
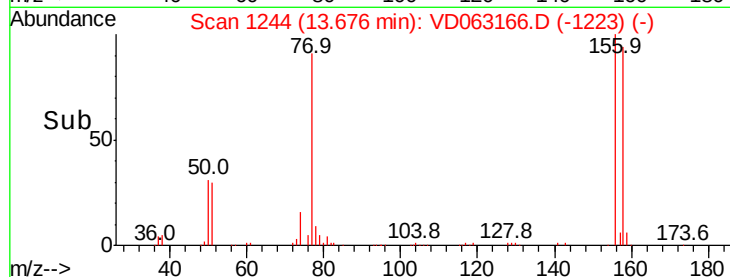
14.62

14.64

14.66

14.68

14.70



#78

n-propylbenzene

Concen: 50.121 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD063166.D

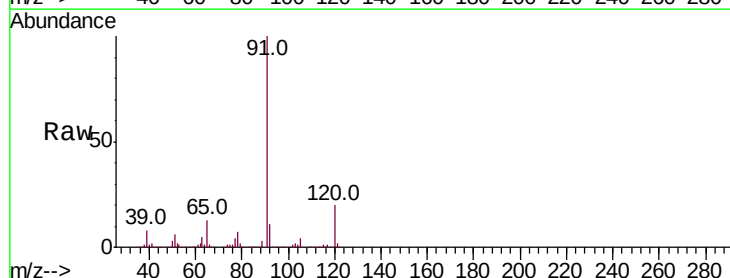
Acq: 19 Jul 2019 20:59

Tgt Ion: 91 Resp: 1807222

Ion Ratio Lower Upper

91 100

120 20.2 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

1500000

1000000

500000

0

13.77

13.79

13.81

13.83

13.85

13.87

13.89

13.91

13.93

13.95

13.97

13.99

14.01

14.03

14.05

14.07

14.09

14.11

14.13

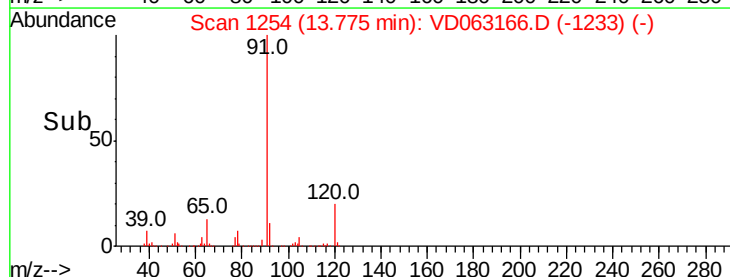
14.15

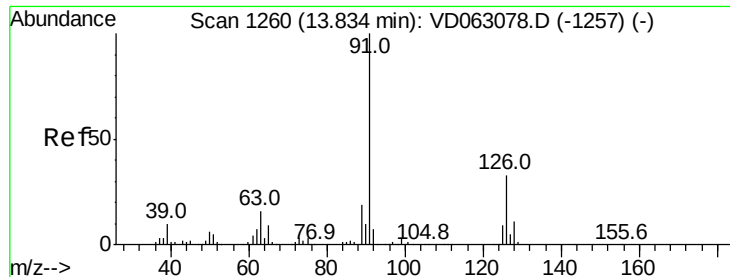
14.17

14.19

14.21

14.23





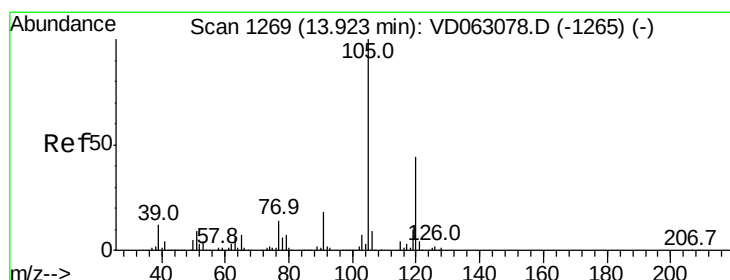
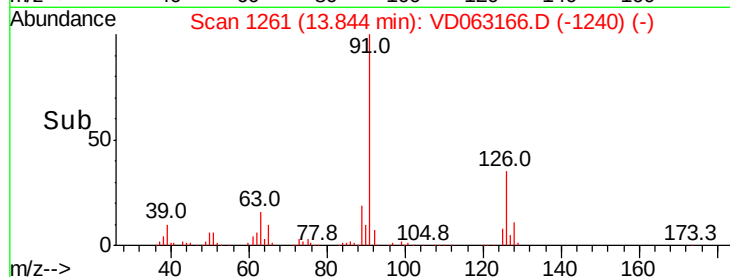
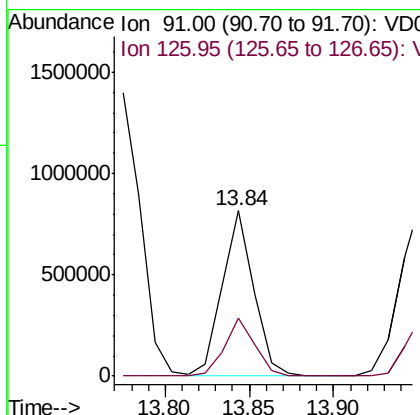
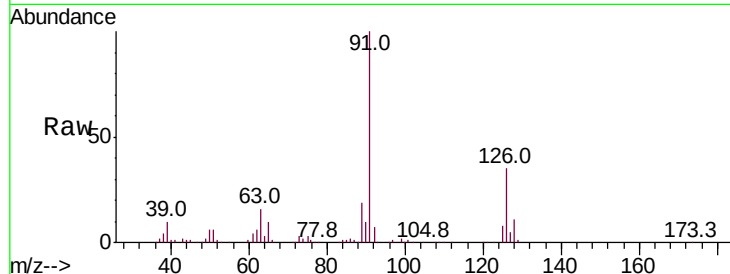
#79  
 2-Chlorotoluene  
 Concen: 48.203 ug/l  
 RT: 13.84 min Scan# 1261  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 91 Resp: 1050877  
 Ion Ratio Lower Upper  
 91 100  
 126 35.0 16.4 49.2

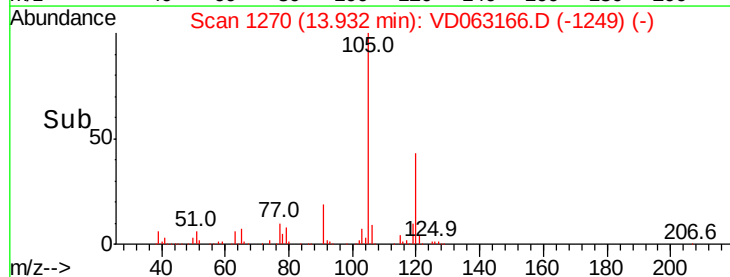
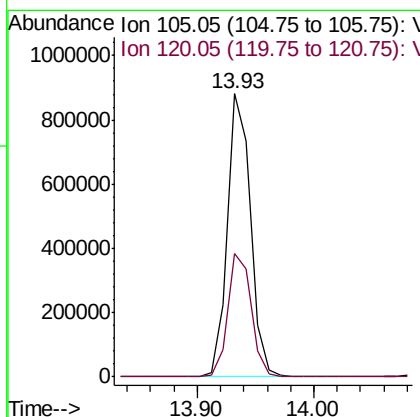
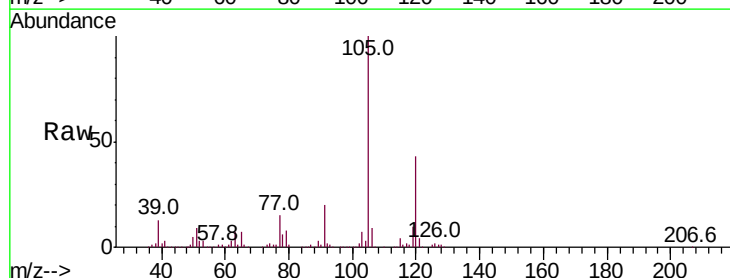
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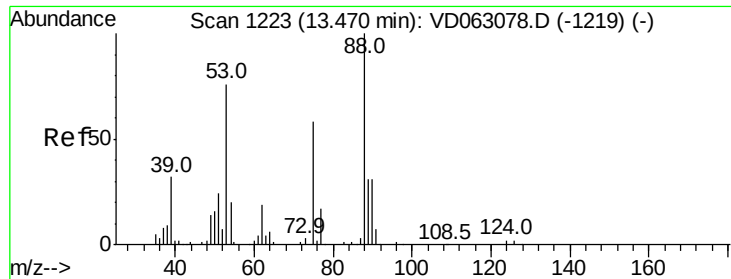
MMDadoda  
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 44.376 ug/l  
 RT: 13.93 min Scan# 1270  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Tgt Ion: 105 Resp: 1211814  
 Ion Ratio Lower Upper  
 105 100  
 120 43.4 21.8 65.4





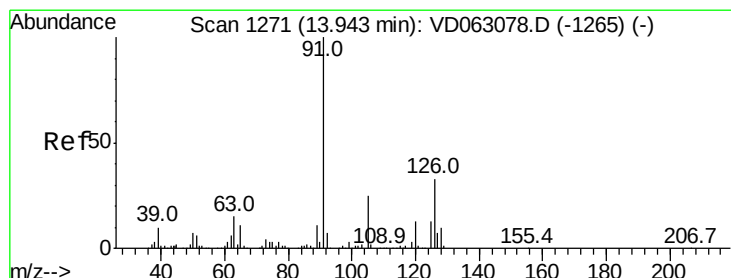
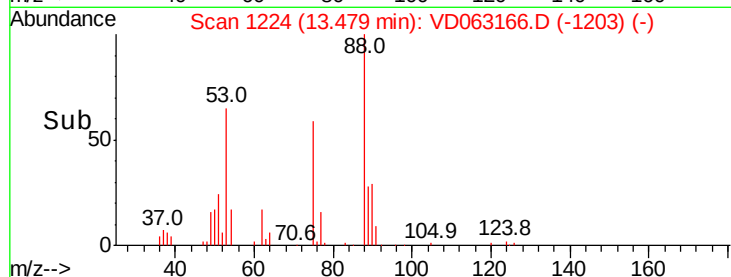
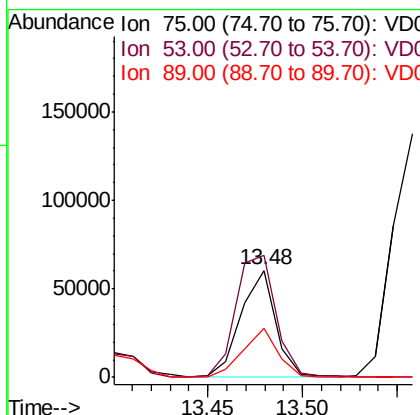
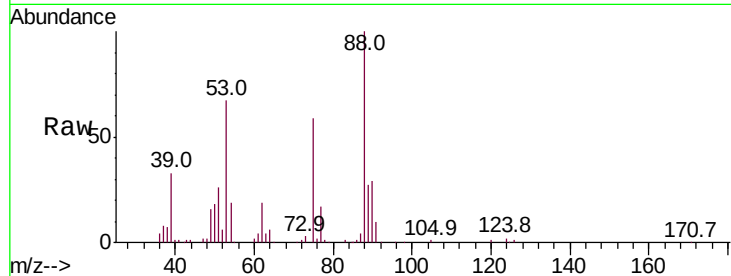
#81  
trans-1,4-Dichloro-2-butene  
Concen: 47.193 ug/l  
RT: 13.48 min Scan# 1224  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 114.2 | 104.4 | 156.6 |
| 89      | 46.4  | 43.1  | 64.7  |

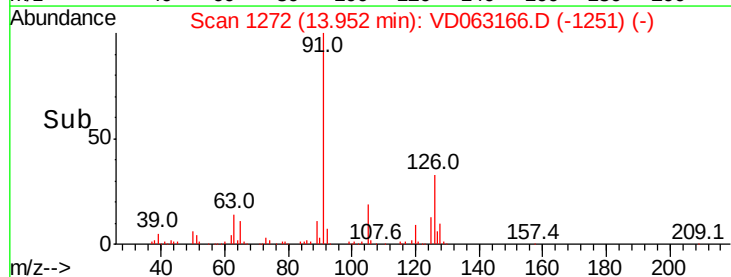
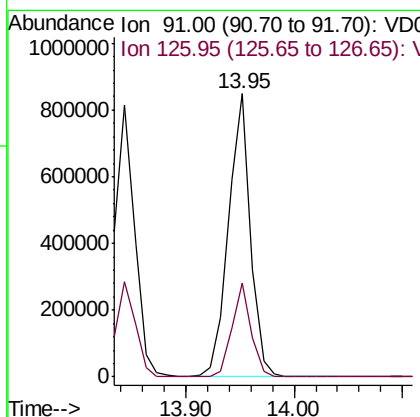
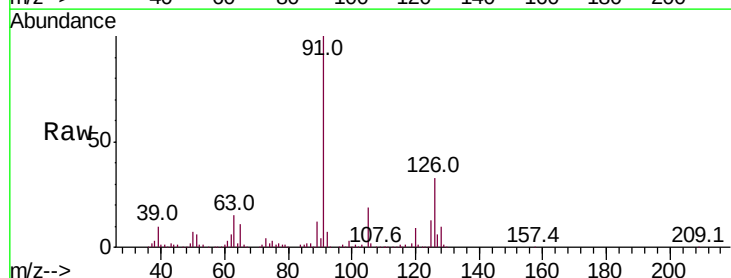
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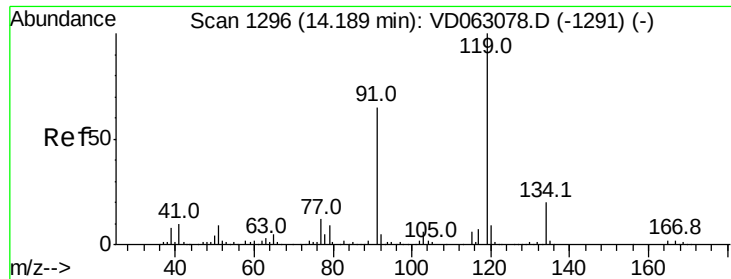
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#82  
4-Chlorotoluene  
Concen: 46.970 ug/l  
RT: 13.95 min Scan# 1272  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.2  | 16.7  | 50.1  |





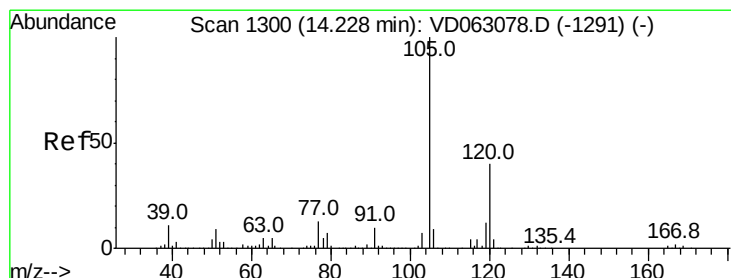
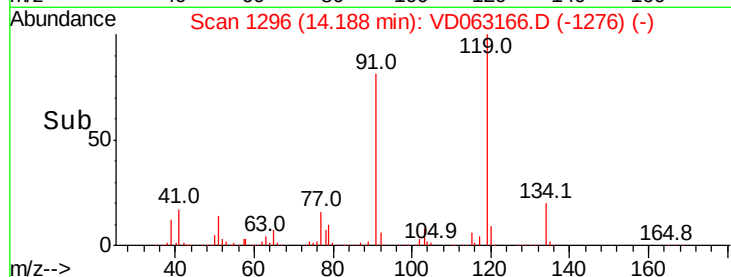
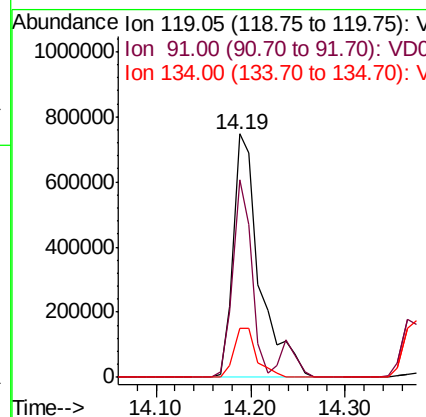
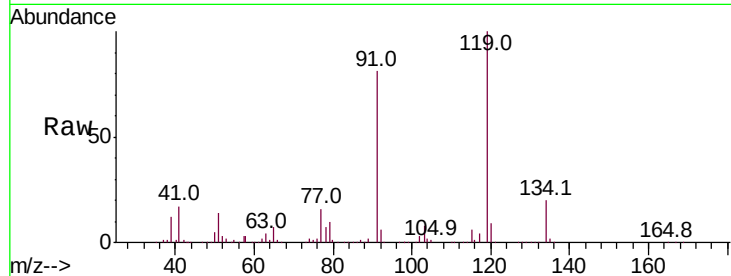
#83  
 tert-Butylbenzene  
 Concen: 47.038 ug/l  
 RT: 14.19 min Scan# 1296  
 Delta R.T. -0.00 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDCCC050EC

Tot Ion:119 Resp: 1452405  
 Ion Ratio Lower Upper  
 119 100  
 91 81.2 32.4 97.2  
 134 20.2 10.2 30.6

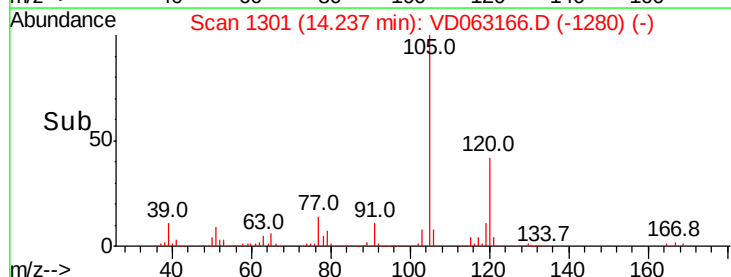
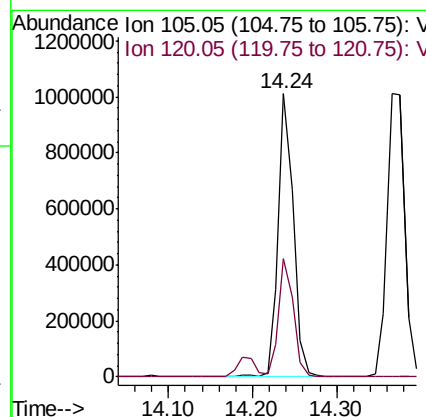
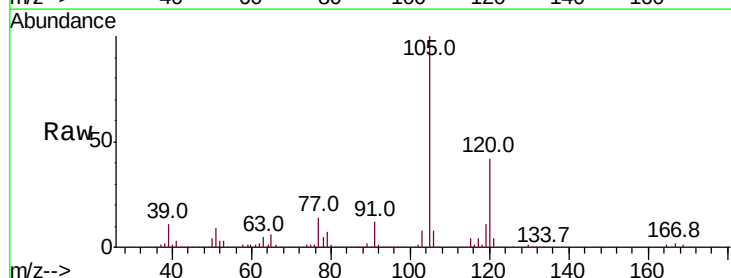
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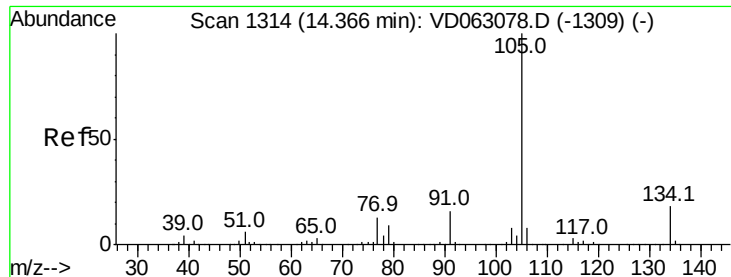
MMDadoda  
 7/22/2019 10:43:02 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 47.208 ug/l  
 RT: 14.24 min Scan# 1301  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Tgt Ion:105 Resp: 1285253  
 Ion Ratio Lower Upper  
 105 100  
 120 41.8 20.2 60.6





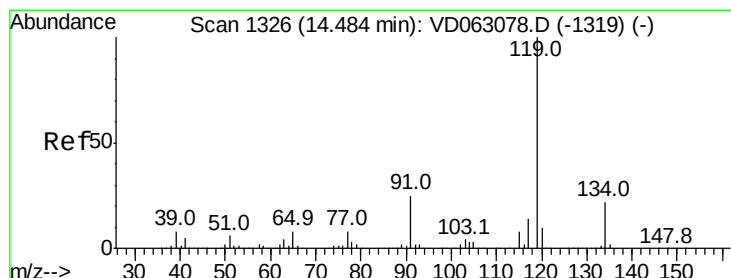
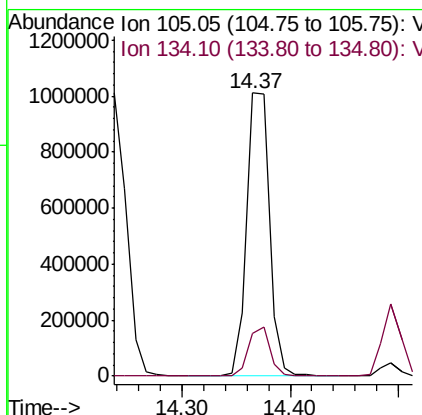
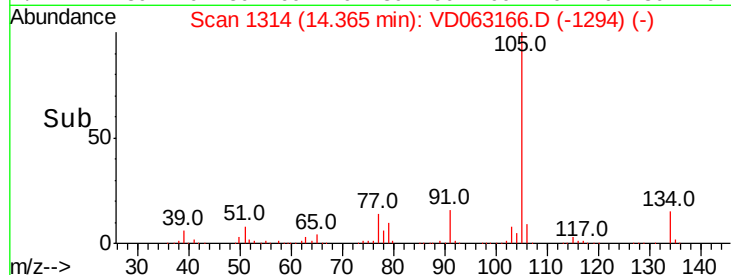
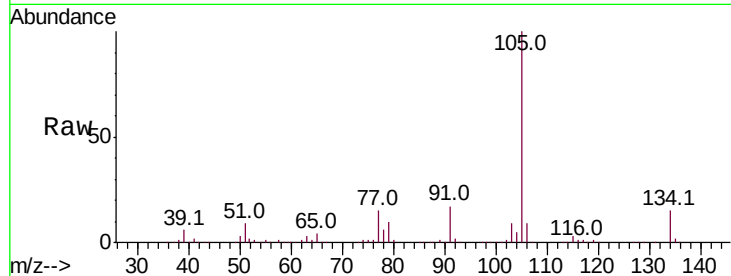
#85  
 sec-Butylbenzene  
 Concen: 45.210 ug/l  
 RT: 14.37 min Scan# 1314  
 Delta R.T. -0.00 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion:105 Resp: 1483182  
 Ion Ratio Lower Upper  
 105 100  
 134 14.9 8.9 26.8

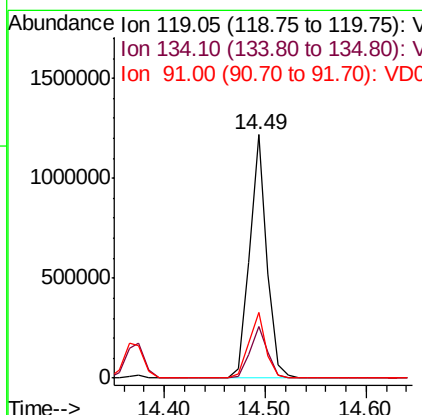
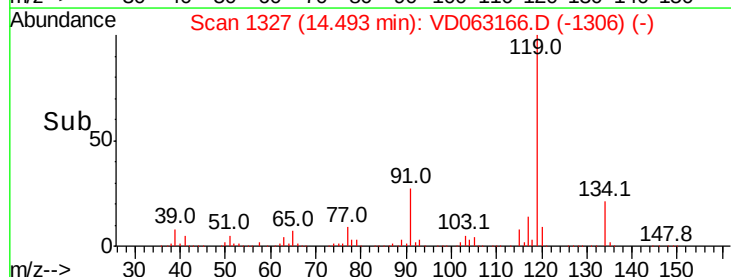
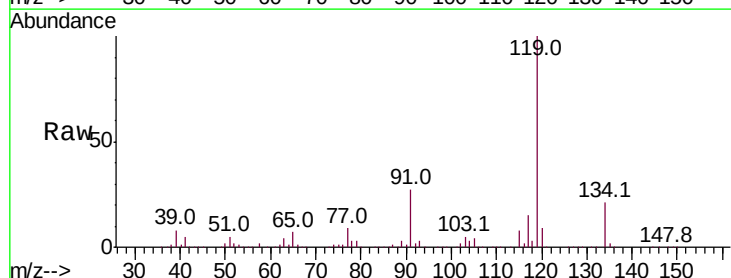
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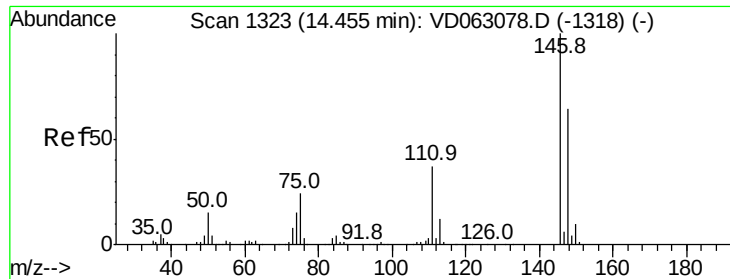


#86  
 p-Isopropyltoluene  
 Concen: 47.568 ug/l  
 RT: 14.49 min Scan# 1327  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Tgt Ion:119 Resp: 1455804  
 Ion Ratio Lower Upper  
 119 100  
 134 21.3 10.8 32.4  
 91 26.7 12.5 37.5







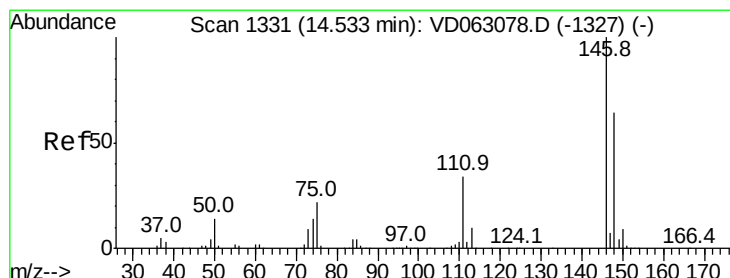
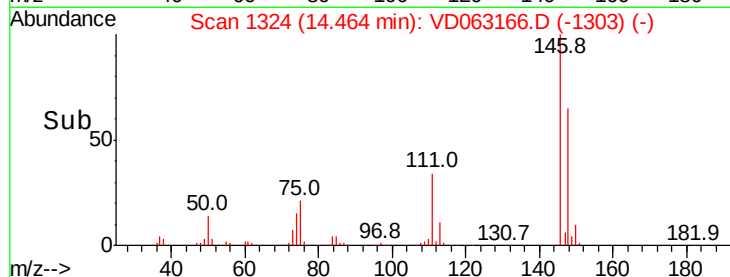
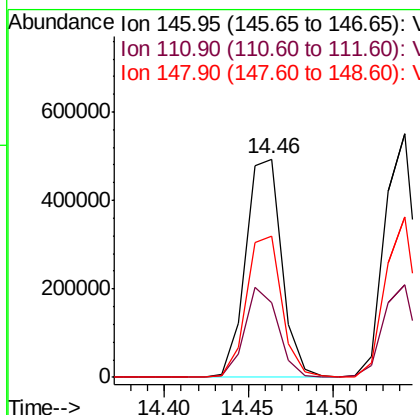
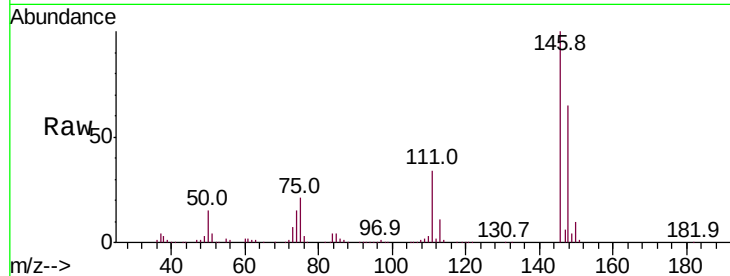
#87  
 1,3-Dichlorobenzene  
 Concen: 46.264 ug/l  
 RT: 14.46 min Scan# 1324  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 34.1  | 18.6  | 55.6  |
| 148     | 64.6  | 32.0  | 96.0  |

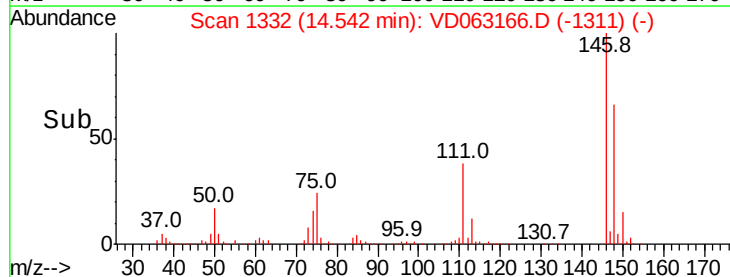
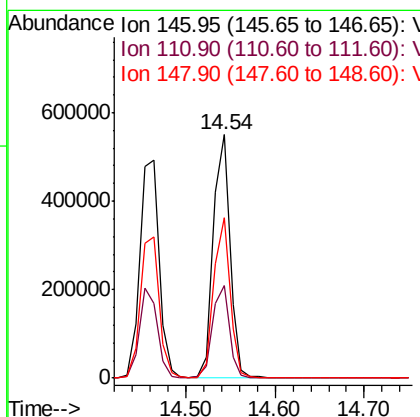
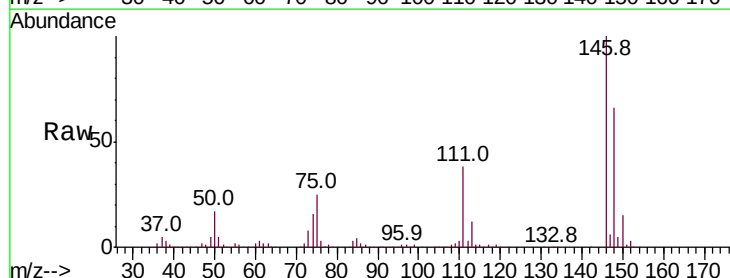
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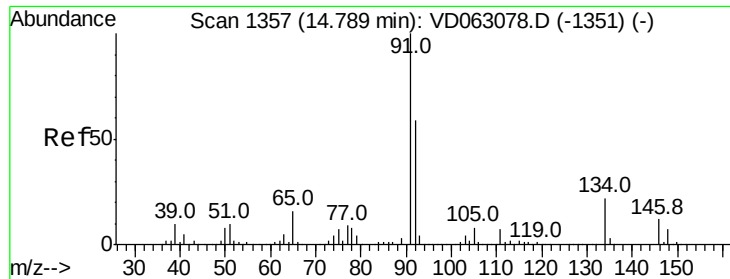
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 47.263 ug/l  
 RT: 14.54 min Scan# 1332  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.0  | 17.0  | 51.0  |
| 148     | 66.1  | 32.0  | 96.2  |





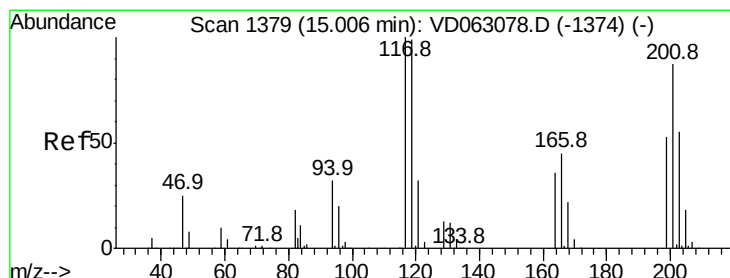
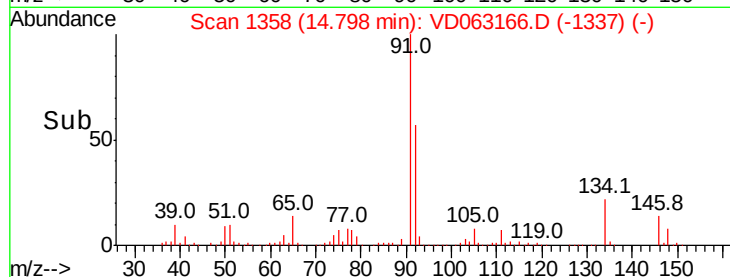
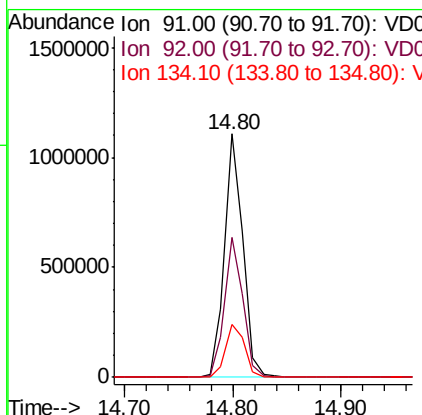
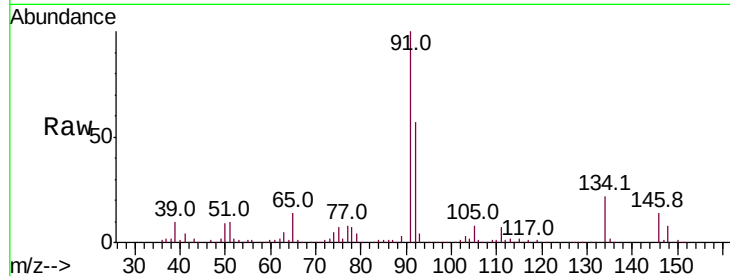
#89  
n-Butylbenzene  
Concen: 46.282 ug/l  
RT: 14.80 min Scan# 1358  
Delta R.T. 0.01 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 57.4  | 29.4  | 88.3  |
| 134     | 21.7  | 11.3  | 33.8  |

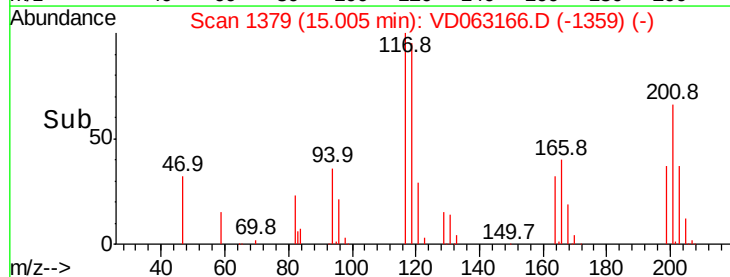
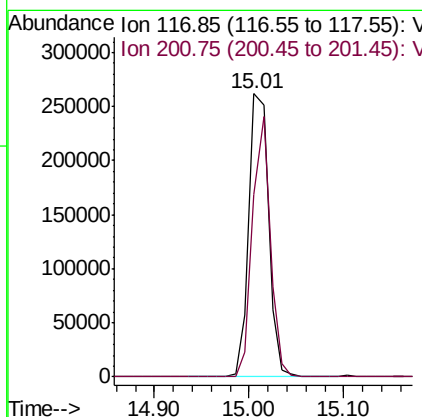
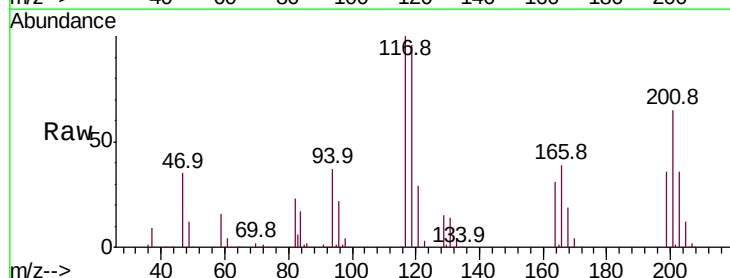
Manual Integrations  
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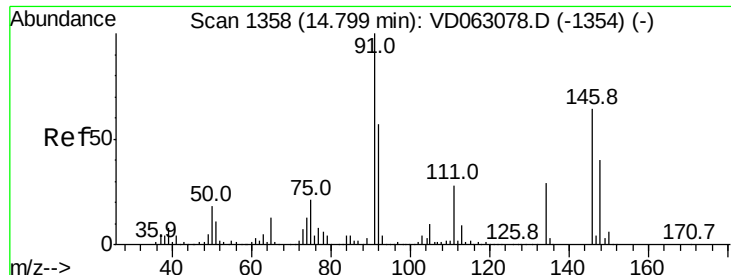
MMDadoda  
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#90  
Hexachloroethane  
Concen: 46.797 ug/l  
RT: 15.01 min Scan# 1379  
Delta R.T. -0.00 min  
Lab File: VD063166.D  
Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 64.5  | 43.4  | 130.1 |





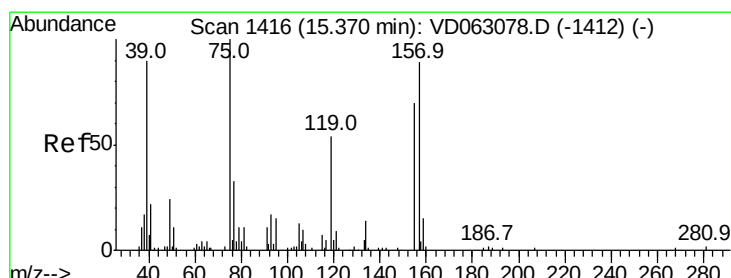
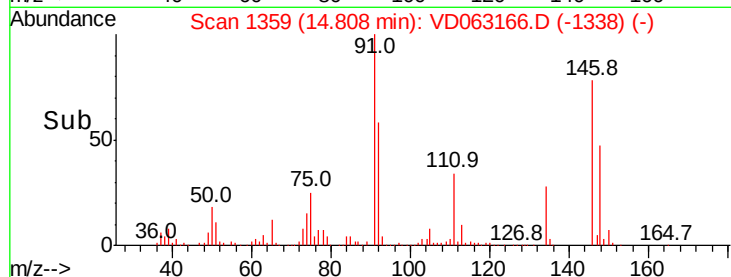
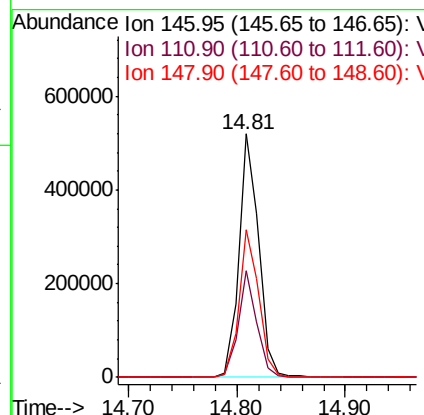
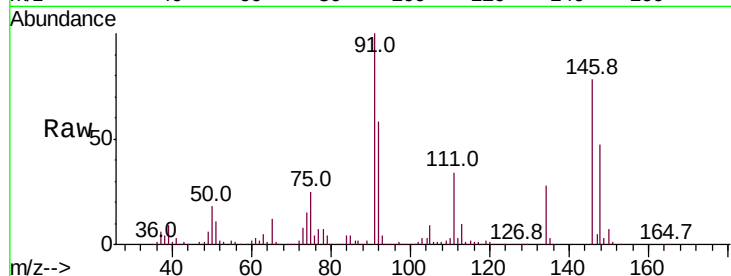
#91  
 1,2-Dichlorobenzene  
 Concen: 46.460 ug/l  
 RT: 14.81 min Scan# 1359  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 656471 |       |       |
| 111     | 43.6  | 21.9   | 65.5  |       |
| 148     | 60.6  | 31.5   | 94.5  |       |

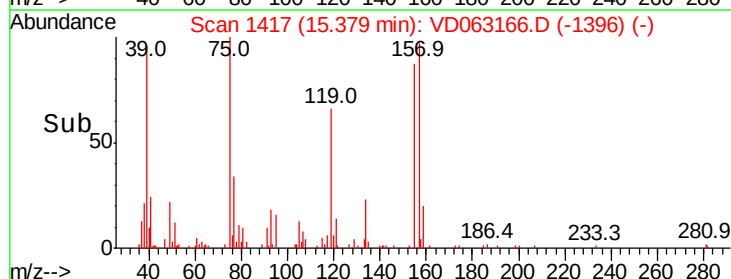
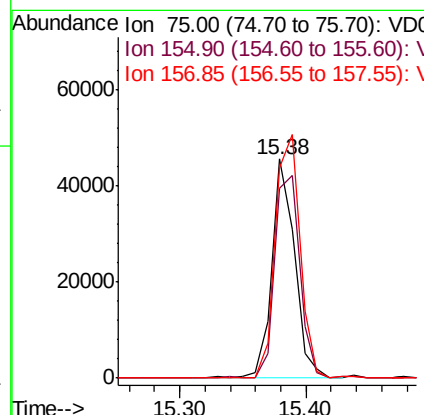
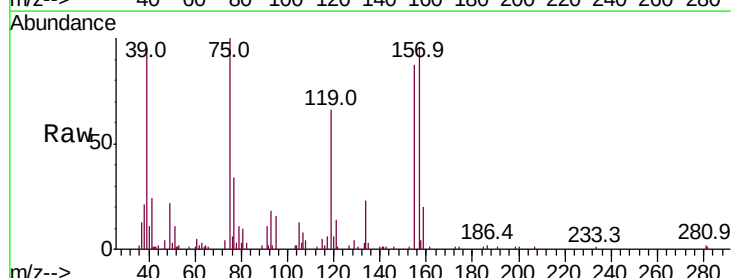
Manual Integrations  
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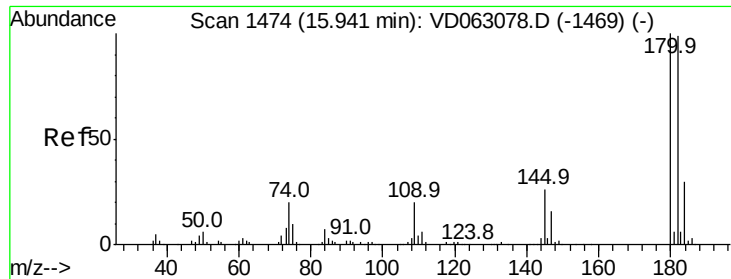
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 52.412 ug/l  
 RT: 15.38 min Scan# 1417  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 57271 |       |       |
| 155     | 86.7  | 34.8  | 104.3 |       |
| 157     | 96.3  | 44.7  | 134.1 |       |





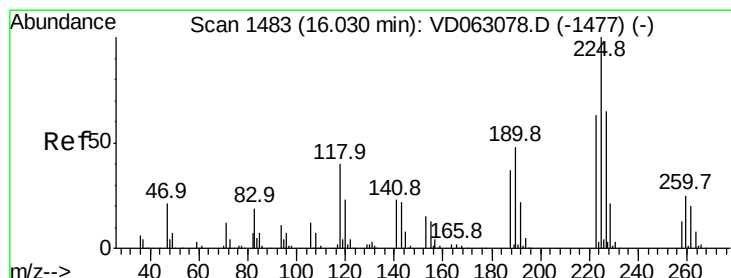
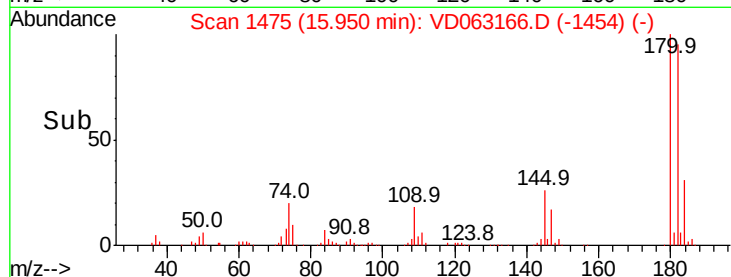
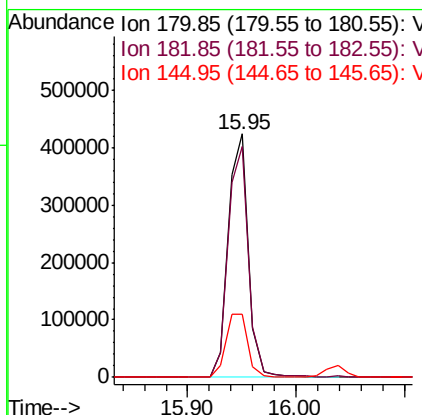
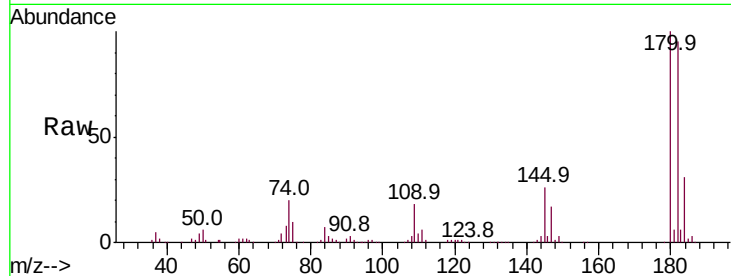
#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.770 ug/l  
 RT: 15.95 min Scan# 1475  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 94.7  | 49.5 | 148.3 |       |
| 145     | 25.8  | 12.8 | 38.4  |       |

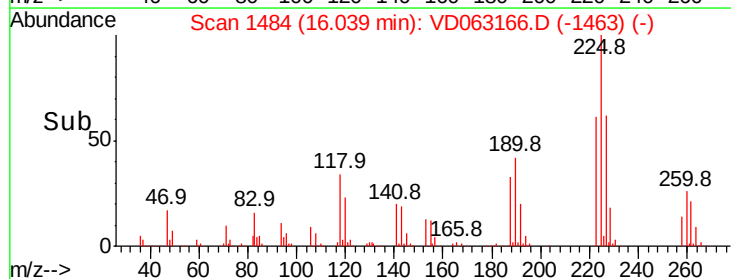
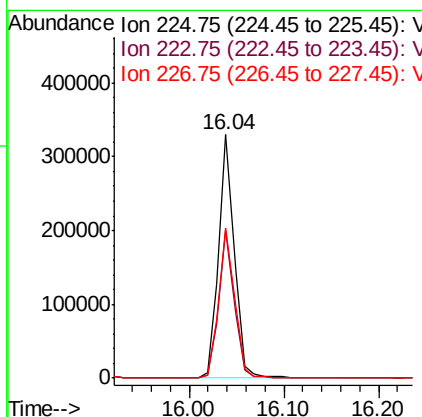
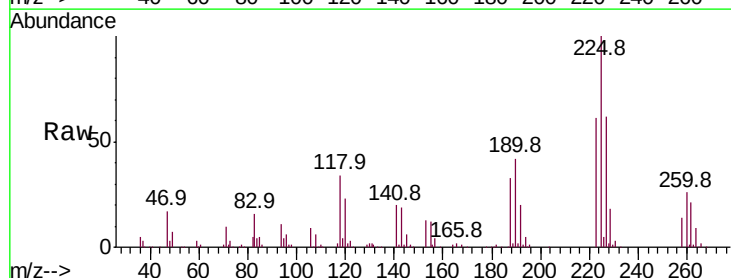
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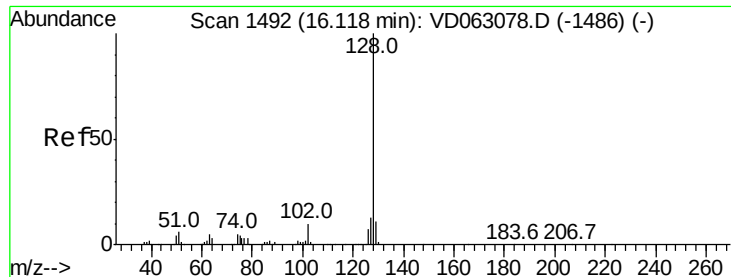
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#94  
 Hexachlorobutadiene  
 Concen: 48.511 ug/l  
 RT: 16.04 min Scan# 1484  
 Delta R.T. 0.01 min  
 Lab File: VD063166.D  
 Acq: 19 Jul 2019 20:59

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 60.9  | 31.4 | 94.2  |       |
| 227     | 61.5  | 32.6 | 97.8  |       |





#95

Naphthalene

Concen: 54.380 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA\_D

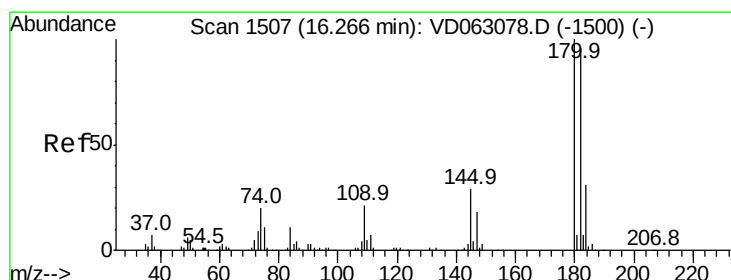
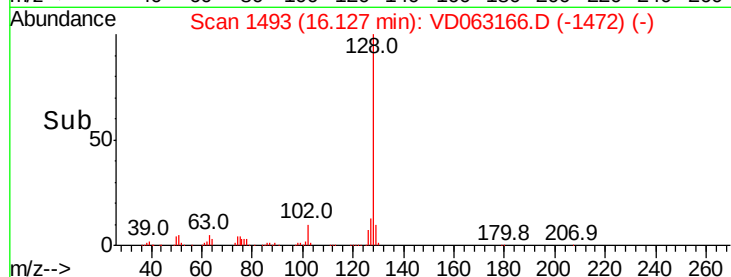
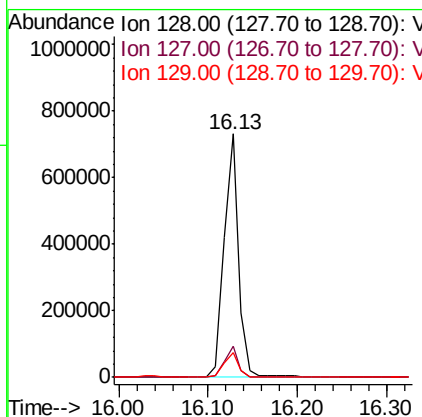
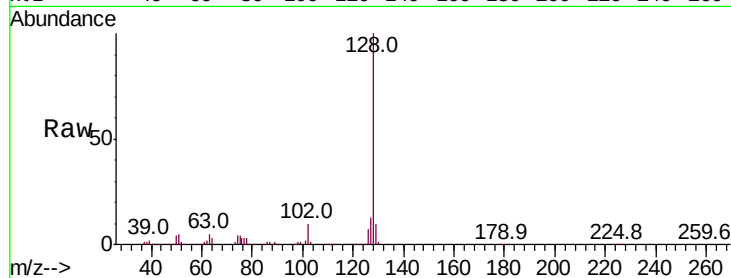
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 844426 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.8  | 10.7  | 16.1   |
| 129       | 10.1  | 8.7   | 13.1   |

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#96

1,2,3-Trichlorobenzene

Concen: 50.414 ug/l

RT: 16.28 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 430525 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.7  | 47.9  | 143.6  |
| 145       | 26.2  | 14.4  | 43.4   |

