

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\  
 Data File : VD067506.D  
 Acq On : 03 Nov 2020 12:30  
 Operator : VA/SY  
 Sample : VSTDIC150  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

Manual Integrations  
 APPROVED

MMDadoda  
 11/4/2020 10:43:29 AM

Quant Time: Nov 04 00:47:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110320S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 04 00:25:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.99  | 168  | 343545   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 507927   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 457602   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 221291   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.34   | 65  | 394557   | 131.35 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 262.70% |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 414148   | 135.33 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 270.66% |      |
| 50) Toluene-d8            | 10.34  | 98  | 1425685  | 132.57 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 265.14% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 512646   | 138.07 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 276.14% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 389182  | 123.886 | ug/l   | 96     |
| 3) Chloromethane              | 2.21 | 50  | 291732  | 136.366 | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.35 | 62  | 323304  | 135.549 | ug/l   | 96     |
| 5) Bromomethane               | 2.76 | 94  | 251405  | 130.045 | ug/l   | 92     |
| 6) Chloroethane               | 2.92 | 64  | 198564  | 135.033 | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 830912  | 134.544 | ug/l   | 95     |
| 8) Diethyl Ether              | 3.71 | 74  | 182020  | 146.271 | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.10 | 101 | 428391  | 137.422 | ug/l   | 99     |
| 10) Methyl Iodide             | 4.30 | 142 | 554699  | 166.022 | ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.22 | 59  | 93577   | 615.232 | ug/l # | 92     |
| 12) 1,1-Dichloroethene        | 4.07 | 96  | 403751  | 140.807 | ug/l   | 96     |
| 13) Acrolein                  | 3.93 | 56  | 108676  | 995.728 | ug/l   | 96     |
| 14) Allyl chloride            | 4.71 | 41  | 459274  | 149.657 | ug/l   | 98     |
| 15) Acrylonitrile             | 5.43 | 53  | 330001  | 717.393 | ug/l   | 98     |
| 16) Acetone                   | 4.16 | 43  | 327933  | 729.517 | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.41 | 76  | 1238236 | 140.925 | ug/l   | 100    |
| 18) Methyl Acetate            | 4.71 | 43  | 129273  | 139.166 | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 863702  | 152.706 | ug/l   | 95     |
| 20) Methylene Chloride        | 4.97 | 84  | 419035  | 131.965 | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 5.48 | 96  | 462453  | 138.469 | ug/l   | 97     |
| 22) Diisopropyl ether         | 6.37 | 45  | 865950  | 144.800 | ug/l   | 99     |
| 23) Vinyl Acetate             | 6.31 | 43  | 2517481 | 802.672 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 692978  | 141.643 | ug/l   | 99     |
| 25) 2-Butanone                | 7.22 | 43  | 357433  | 744.149 | ug/l   | 93     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 724441  | 140.302 | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 498315  | 143.750 | ug/l   | 98     |
| 28) Bromochloromethane        | 7.55 | 49  | 263966  | 151.682 | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 219819  | 764.013 | ug/l   | 98     |
| 30) Chloroform                | 7.71 | 83  | 819914  | 140.476 | ug/l   | 100    |
| 31) Cyclohexane               | 7.99 | 56  | 565054  | 129.695 | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane     | 7.91 | 97  | 834487  | 138.569 | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 616803  | 141.866 | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.30 | 43  | 162451  | 143.923 | ug/l   | 100    |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 792671  | 140.322 | ug/l   | 97     |

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 Operator : VA/SY  
 Sample : VSTDICC150  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDICC150

Manual Integrations  
 APPROVED

MMDadoda  
 11/4/2020 10:43:29 AM

Quant Time: Nov 04 00:47:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110320S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 04 00:25:25 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 762247   | 148.957  | ug/l   | 95       |
| 40) Benzene                    | 8.36  | 78   | 1644783  | 139.659  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.53  | 41   | 103126   | 181.634  | ug/l   | 89       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 510084   | 140.182  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.46  | 43   | 336427   | 150.706  | ug/l   | 98       |
| 44) Trichloroethene            | 9.12  | 130  | 540808   | 139.657  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 359384   | 141.141  | ug/l   | 96       |
| 46) Dibromomethane             | 9.48  | 93   | 224770   | 138.833  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.67  | 83   | 622233   | 141.402  | ug/l   | 95       |
| 48) Methyl methacrylate        | 9.46  | 41   | 180376   | 156.494  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 45538    | 2770.690 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 788416   | 738.477  | ug/l   | 99       |
| 52) Toluene                    | 10.41 | 92   | 1127796  | 142.971  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 561529   | 148.994  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.10 | 75   | 652146   | 145.641  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.81 | 97   | 300210   | 140.145  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 343961   | 155.490  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 497490   | 144.322  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.95  | 63   | 758008   | 734.807  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.99 | 43   | 567794   | 760.624  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.14 | 129  | 448963   | 141.683  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 301896   | 140.421  | ug/l   | 96       |
| 64) Tetrachloroethene          | 10.88 | 164  | 455712   | 134.469  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.68 | 112  | 1225171  | 138.992  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 487824   | 140.415  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.75 | 91   | 2193398  | 145.416  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.86 | 106  | 1671075  | 284.768  | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 769495   | 146.871  | ug/l   | 99       |
| 70) Styrene                    | 12.20 | 104  | 1302510  | 142.670  | ug/l   | 98       |
| 71) Bromoform                  | 12.37 | 173  | 256067   | 144.520  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.48 | 105  | 2147344  | 150.146  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.30 | 43   | 303097   | 161.062  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 280893   | 144.034  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 221035m  | 158.391  | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 512600   | 145.944  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.83 | 91   | 2411854  | 147.436  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 1378411  | 148.337  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 1820104  | 148.979  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 97660    | 148.526  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 1445219  | 145.012  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 1594202  | 153.967  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 1807048  | 148.592  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.41 | 105  | 2098871  | 150.160  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 1988804  | 147.343  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 960740   | 143.352  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 937641   | 138.168  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.85 | 91   | 1756240  | 150.636  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.12 | 117  | 386018   | 151.865  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 827347   | 142.638  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 53657    | 155.397  | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\  
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Sample : VSTDICC150  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

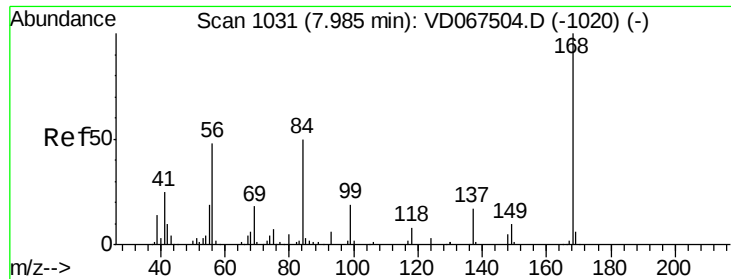
MMDadoda  
11/4/2020 10:43:29 AM

Quant Time: Nov 04 00:47:34 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110320S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 04 00:25:25 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 594378   | 150.980 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.27 | 225  | 373750   | 141.853 | ug/l  | 99       |
| 95) Naphthalene            | 15.41 | 128  | 1011200  | 166.441 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 507260   | 150.468 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 343545

Ion Ratio Lower Upper

168 100

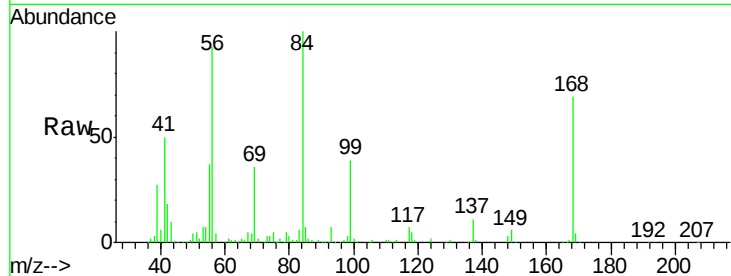
99 55.8 45.0 67.6

Manual Integrations

APPROVED

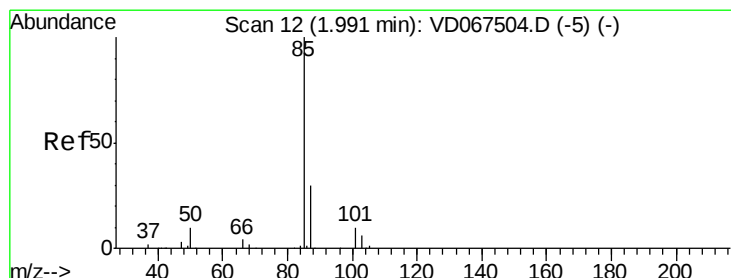
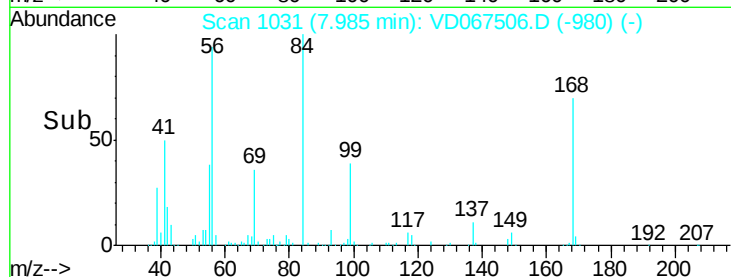
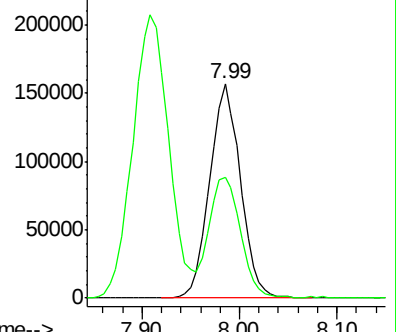
MMDadoda

11/4/2020 10:43:29 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 123.886 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067506.D

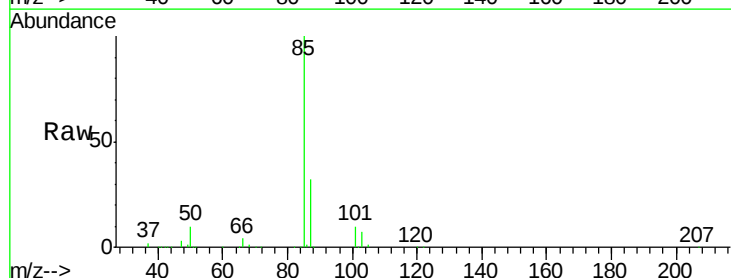
Acq: 03 Nov 2020 12:30

Tgt Ion: 85 Resp: 389182

Ion Ratio Lower Upper

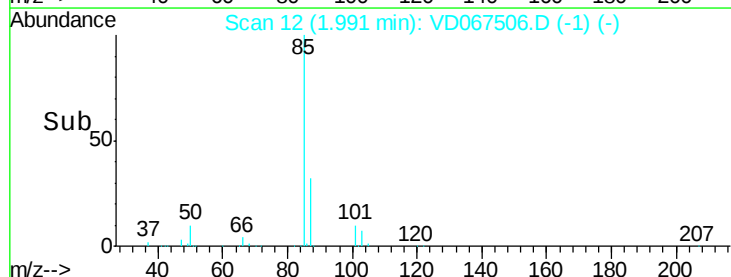
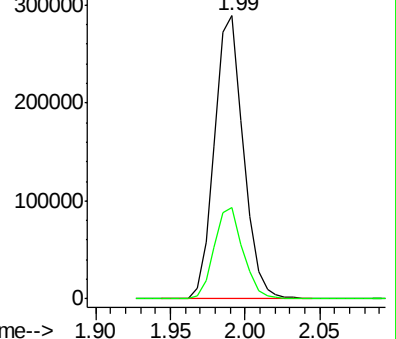
85 100

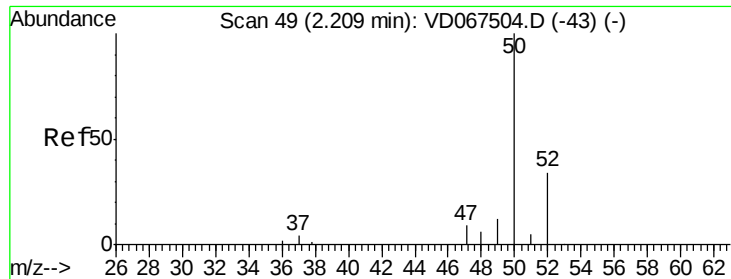
87 32.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 136.366 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 291732

Ion Ratio Lower Upper

50 100

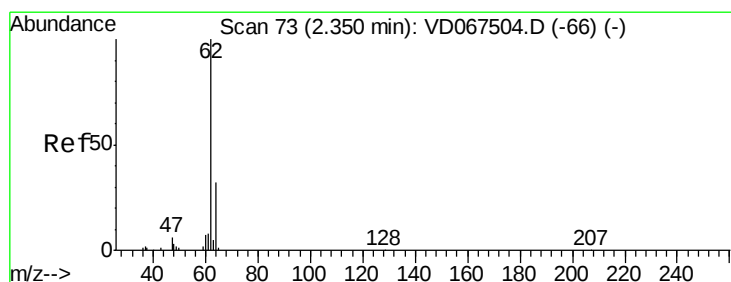
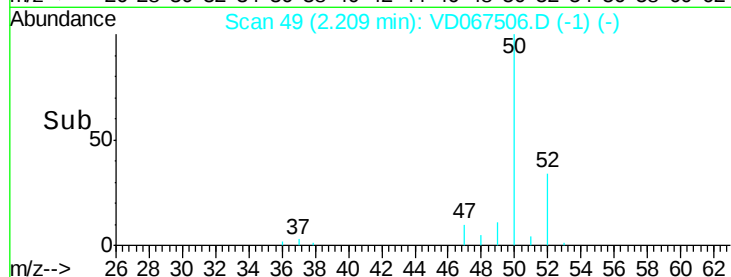
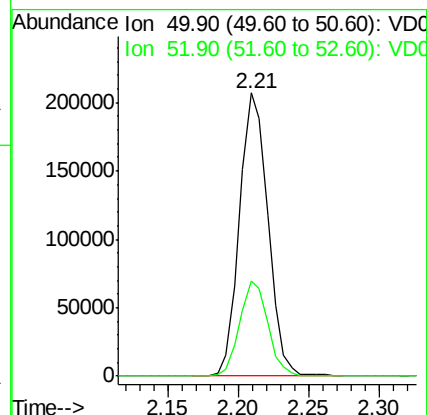
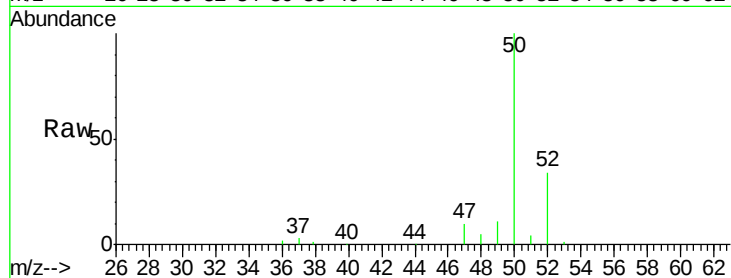
52 33.8 27.3 40.9

Manual Integrations

APPROVED

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11/4/2020 10:43:29 AM



#4

Vinyl Chloride

Concen: 135.549 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067506.D

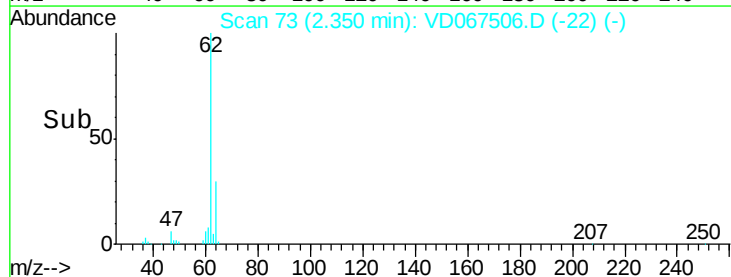
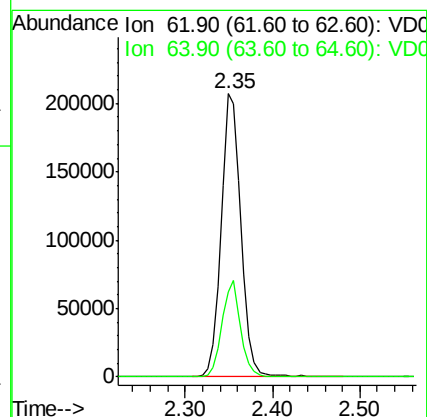
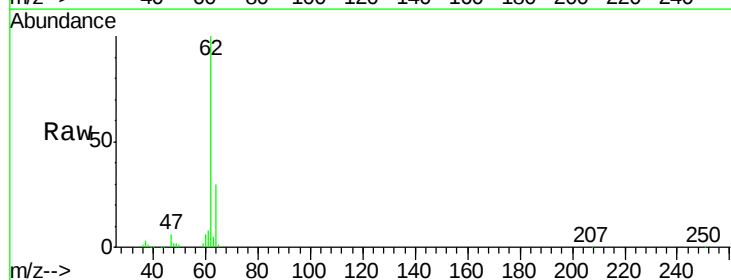
Acq: 03 Nov 2020 12:30

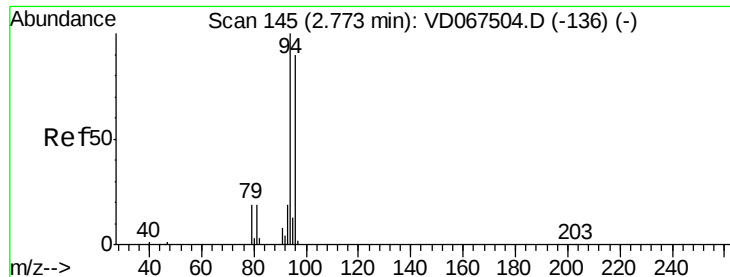
Tgt Ion: 62 Resp: 323304

Ion Ratio Lower Upper

62 100

64 29.8 25.6 38.4





#5

Bromomethane

Concen: 130.045 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 251405

Ion Ratio Lower Upper

94 100

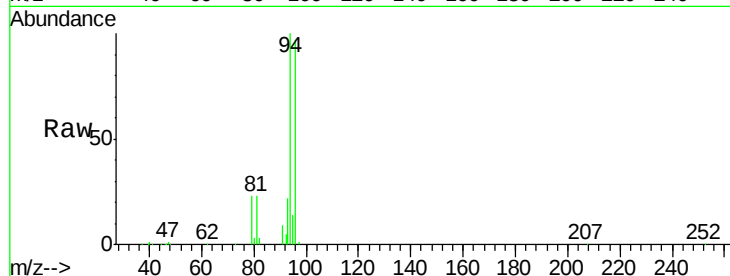
96 97.3 72.2 108.2

Manual Integrations

APPROVED

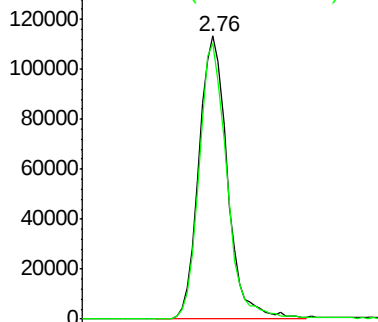
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11/4/2020 10:43:29 AM

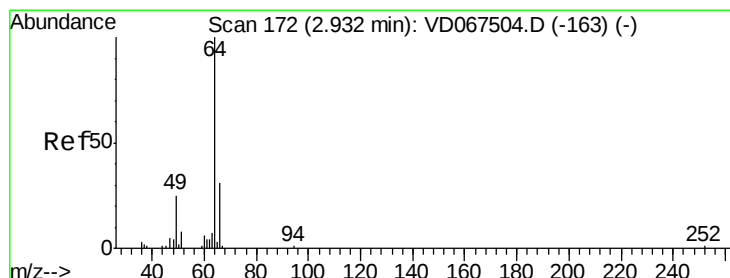
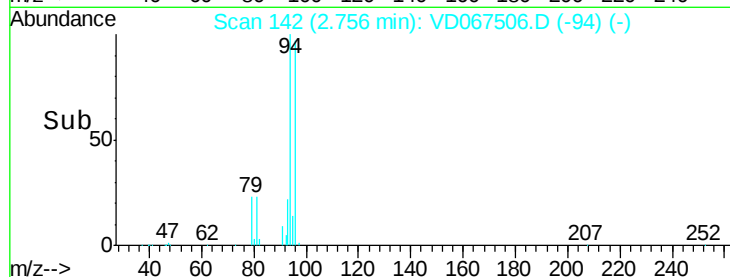


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 135.033 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067506.D

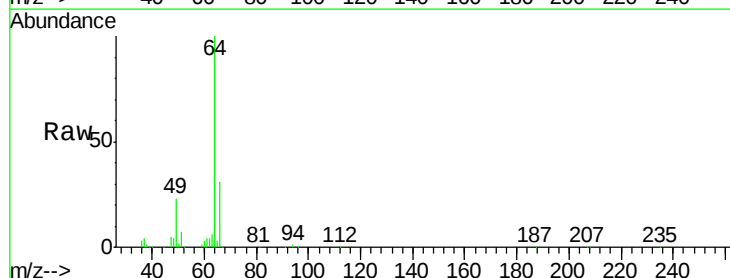
Acq: 03 Nov 2020 12:30

Tgt Ion: 64 Resp: 198564

Ion Ratio Lower Upper

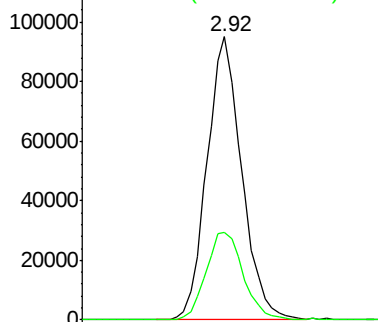
64 100

66 31.1 24.6 36.8

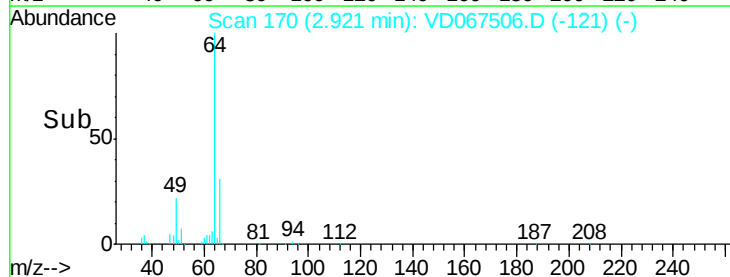


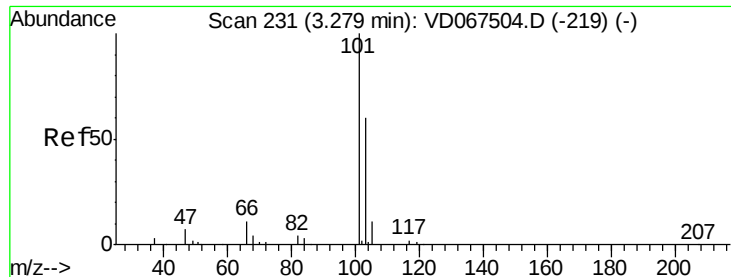
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

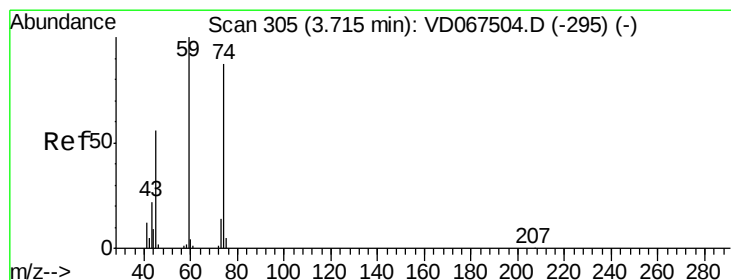
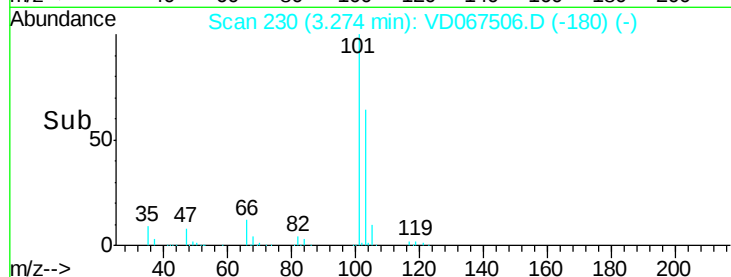
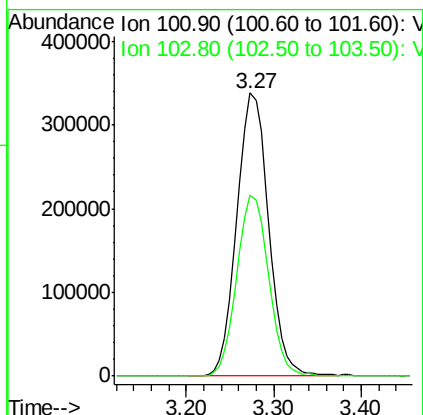
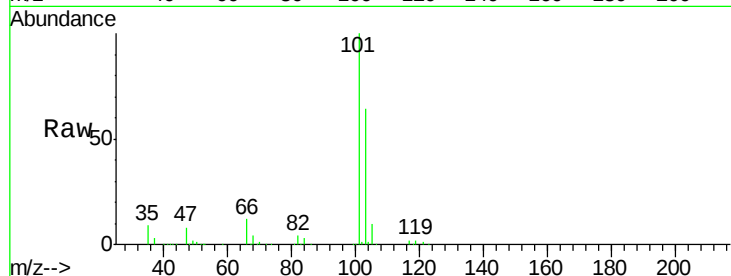
Trichlorofluoromethane  
Concen: 134.544 ug/l  
RT: 3.27 min Scan# 230  
Delta R.T. -0.01 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.2  | 48.1  | 72.1  |

Manual Integrations  
APPROVED

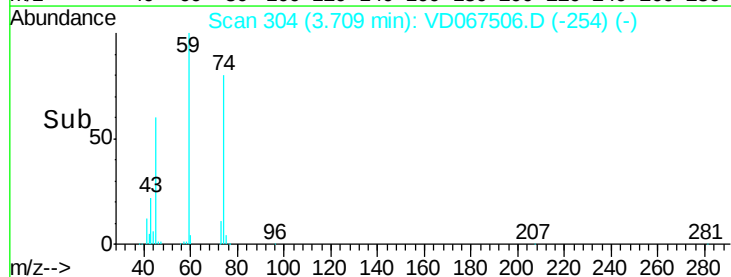
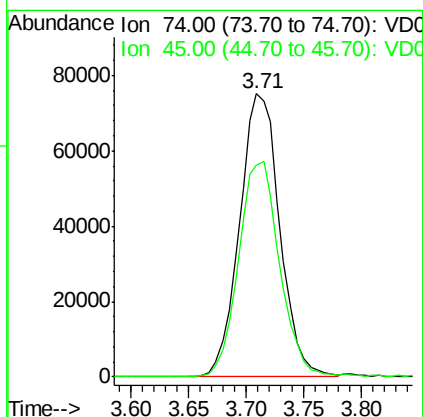
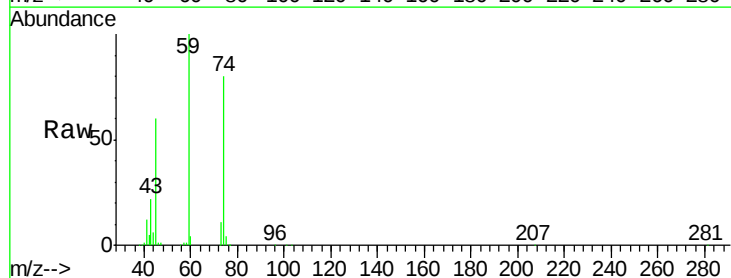
MMDadoda  
11/4/2020 10:43:29 AM

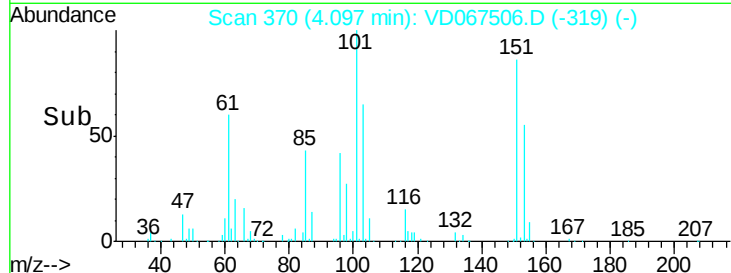
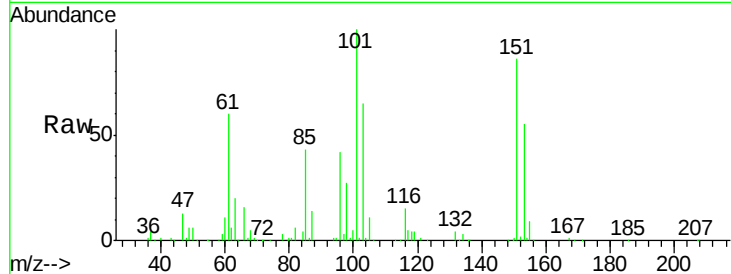
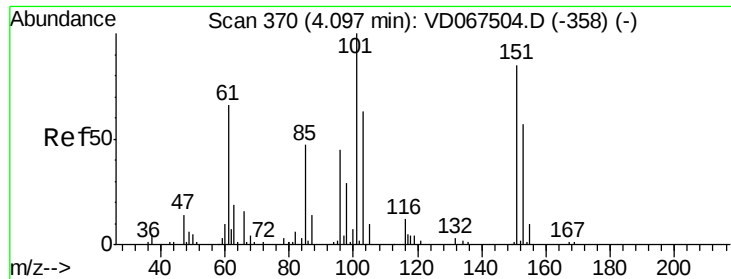


#8

Diethyl Ether  
Concen: 146.271 ug/l  
RT: 3.71 min Scan# 304  
Delta R.T. -0.01 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 77.4  | 38.2  | 114.6 |





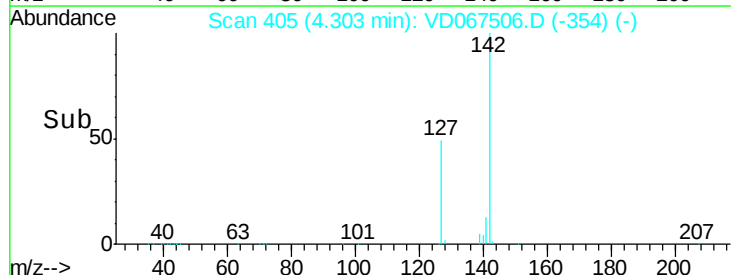
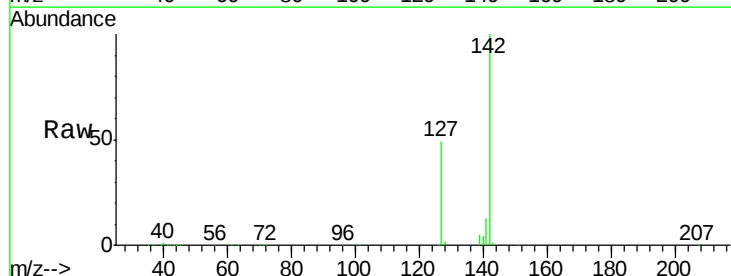
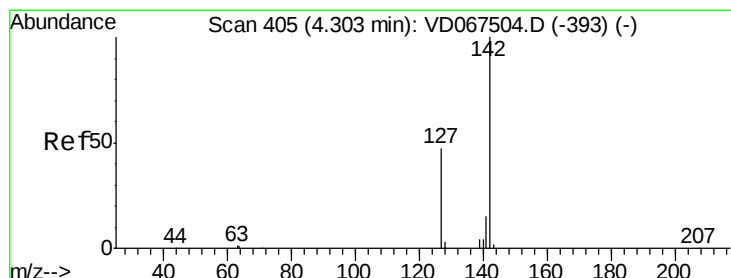
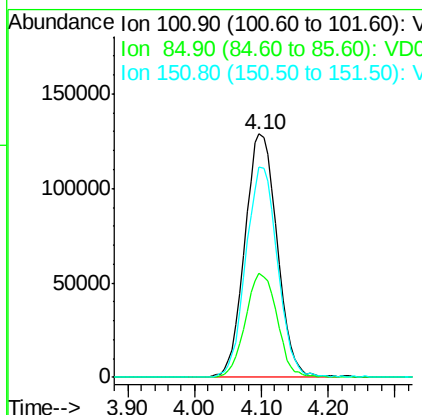
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 137.422 ug/l  
RT: 4.10 min Scan# 370  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 428391 |       |       |
| 85      | 42.1  | 34.4   | 51.6  |       |
| 151     | 84.9  | 68.1   | 102.1 |       |

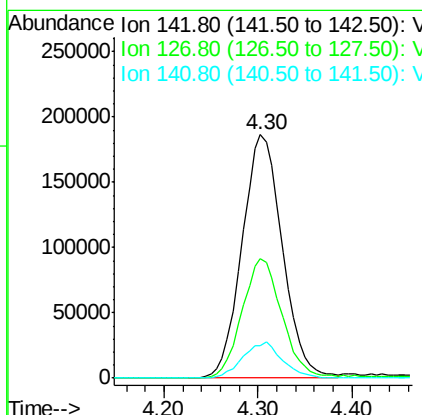
Manual Integrations  
APPROVED

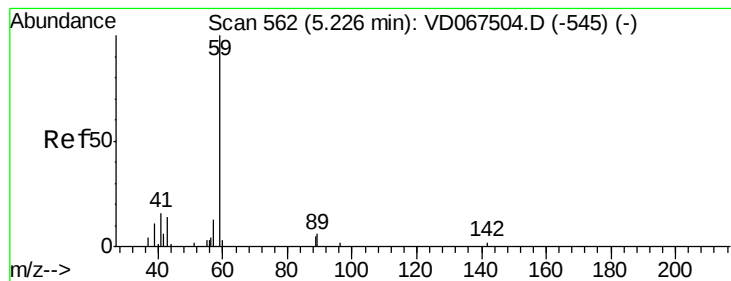
MMDadoda  
11/4/2020 10:43:29 AM



#10  
Methyl Iodide  
Concen: 166.022 ug/l  
RT: 4.30 min Scan# 405  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 554699 |       |       |
| 127     | 48.7  | 40.0   | 60.0  |       |
| 141     | 14.7  | 11.7   | 17.5  |       |





#11

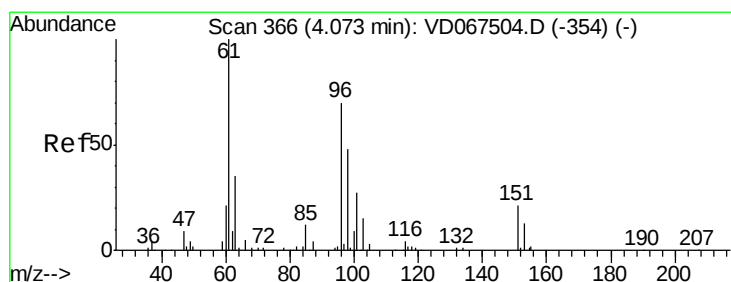
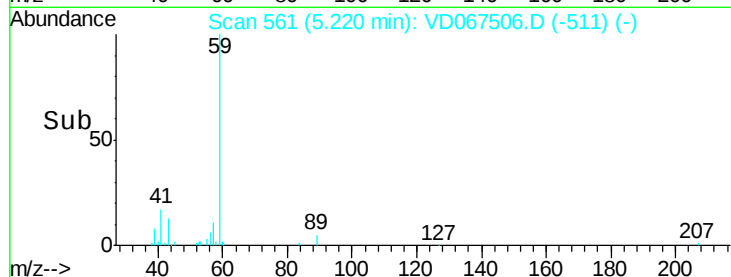
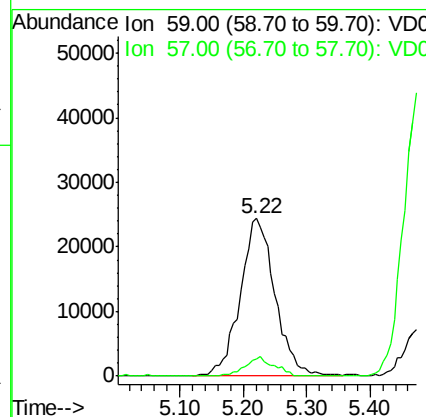
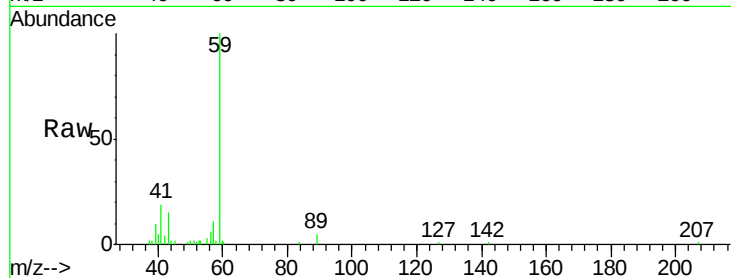
Tert butyl alcohol  
 Concen: 615.232 ug/l  
 RT: 5.22 min Scan# 561  
 Delta R.T. -0.01 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

| Tot Ion   | 59   | Resp  | 93577 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.1 | 5.9   | 8.9#  |

Manual Integrations  
 APPROVED

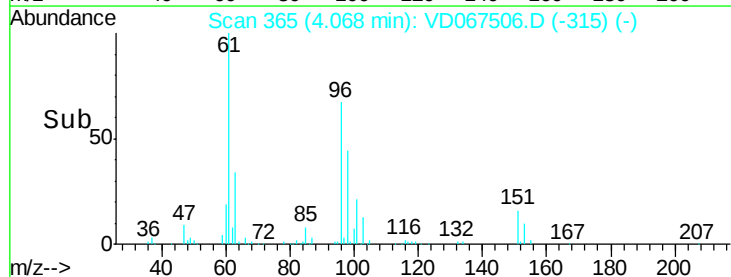
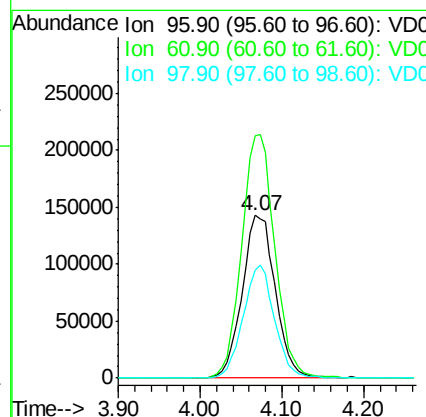
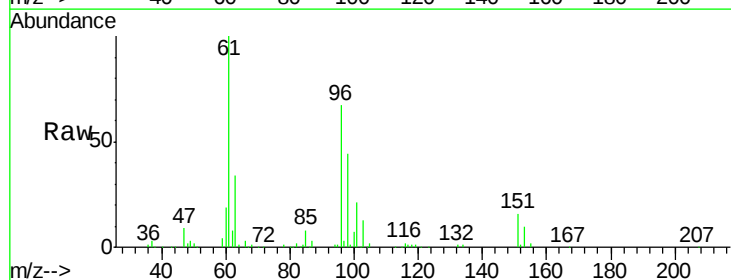
MMDadoda  
 11/4/2020 10:43:29 AM

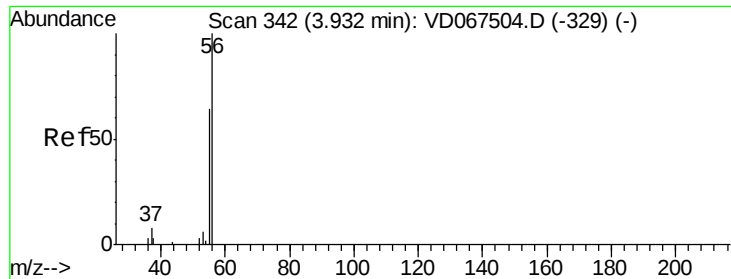


#12

1,1-Dichloroethene  
 Concen: 140.807 ug/l  
 RT: 4.07 min Scan# 365  
 Delta R.T. -0.01 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

| Tgt Ion   | 96    | Resp  | 403751 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 149.0 | 114.5 | 171.7  |
| 98        | 66.1  | 54.5  | 81.7   |





#13

Acrolein

Concen: 995.728 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 108676

Ion Ratio Lower Upper

56 100

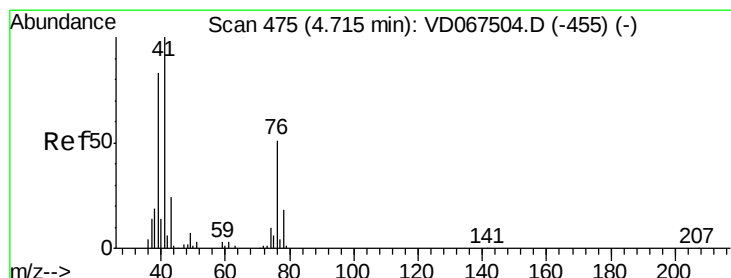
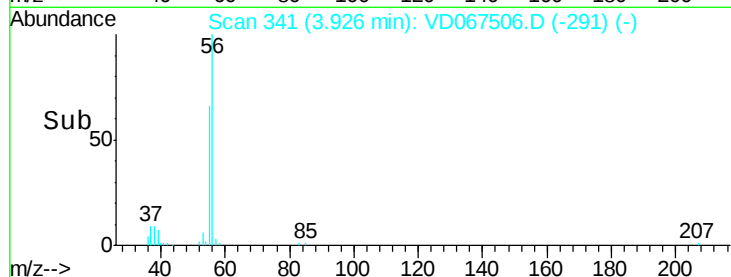
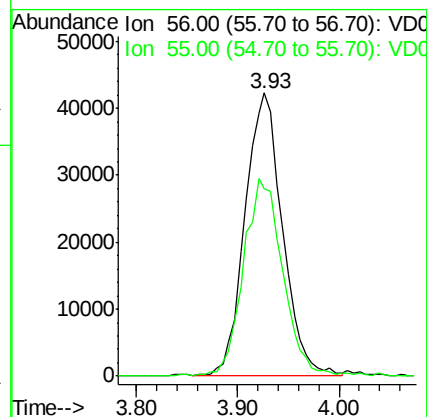
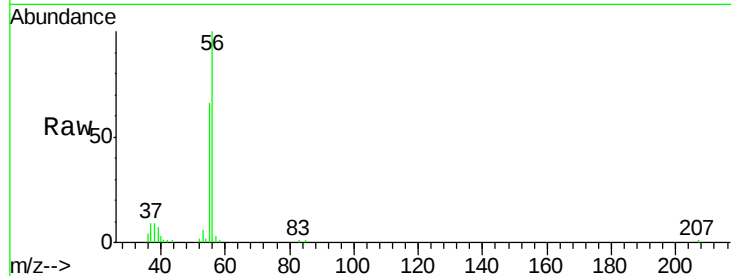
55 73.3 55.8 83.8

Manual Integrations

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MMDadoda

11/4/2020 10:43:29 AM



#14

Allyl chloride

Concen: 149.657 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

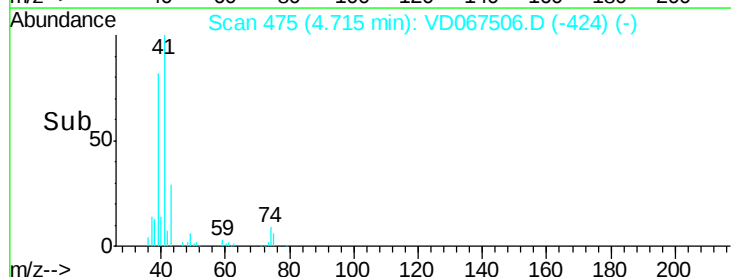
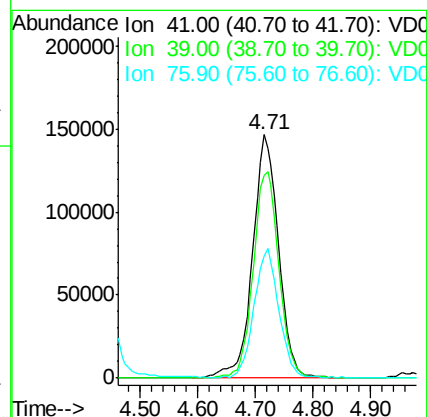
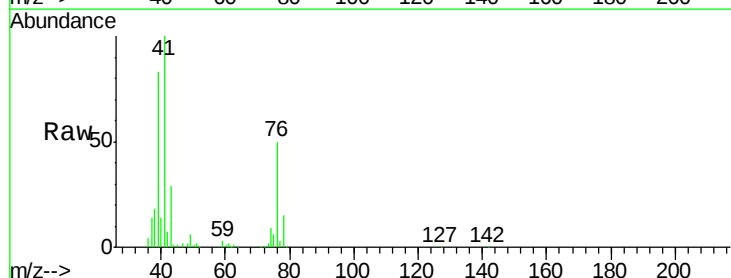
Tgt Ion: 41 Resp: 459274

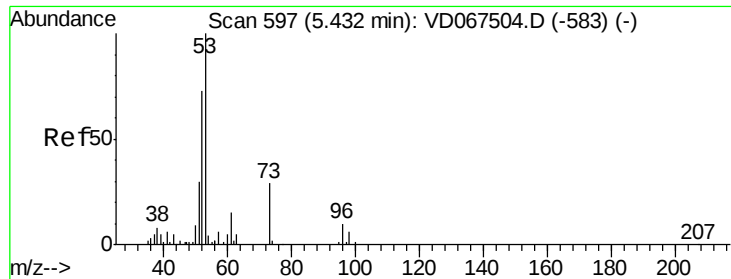
Ion Ratio Lower Upper

41 100

39 84.6 67.4 101.0

76 50.3 42.2 63.2





#15

Acrylonitrile

Concen: 717.393 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

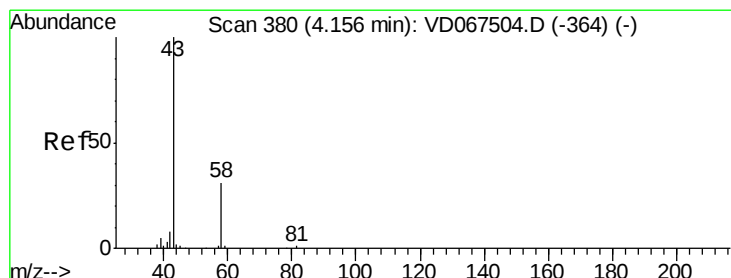
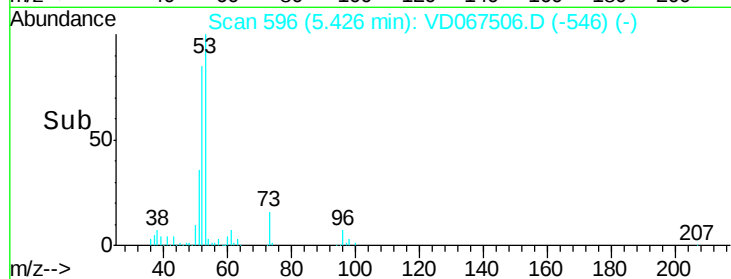
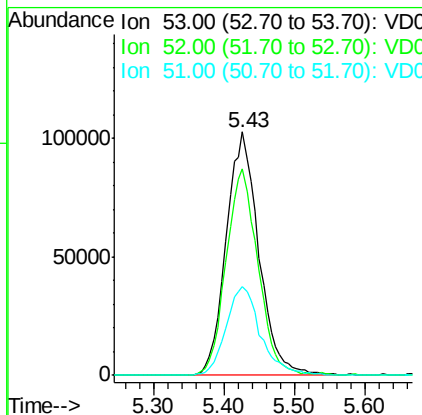
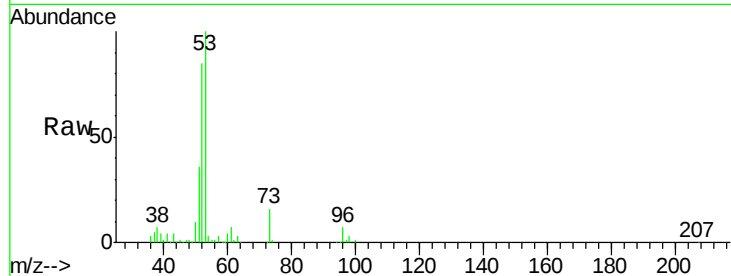
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 330001 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.8  | 64.8  | 97.2   |
| 51        | 38.6  | 29.5  | 44.3   |

Manual Integrations  
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11/4/2020 10:43:29 AM



#16

Acetone

Concen: 729.517 ug/l

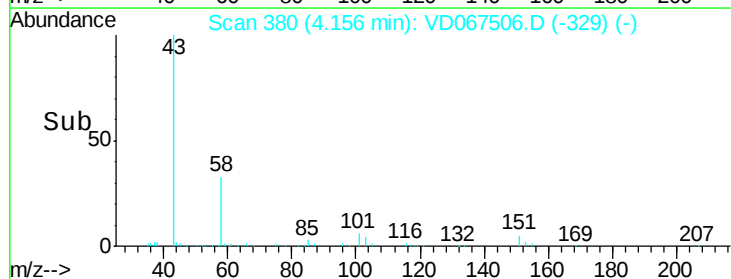
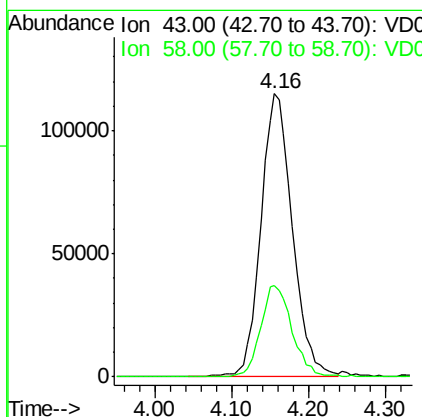
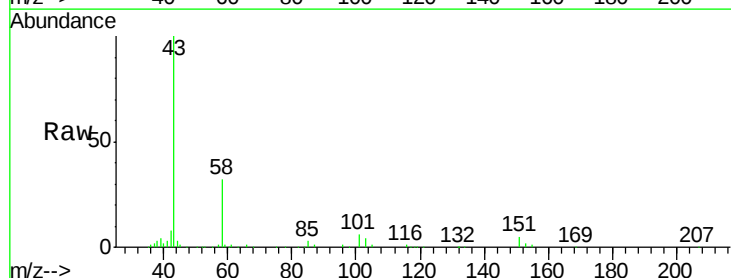
RT: 4.16 min Scan# 380

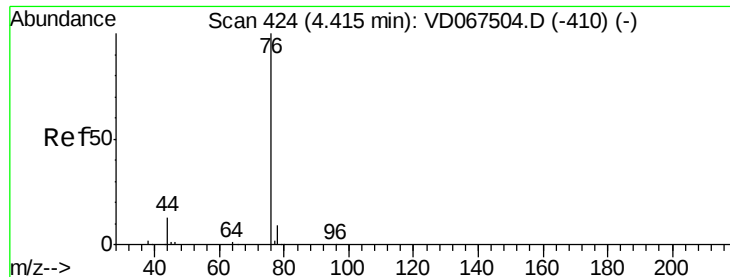
Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 327933 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 32.2  | 25.2  | 37.8   |





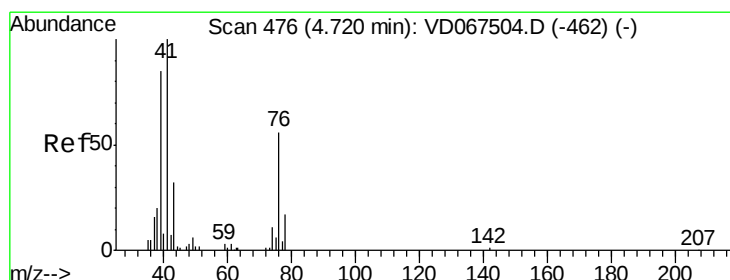
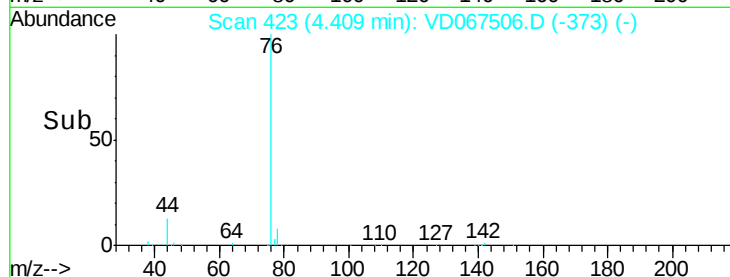
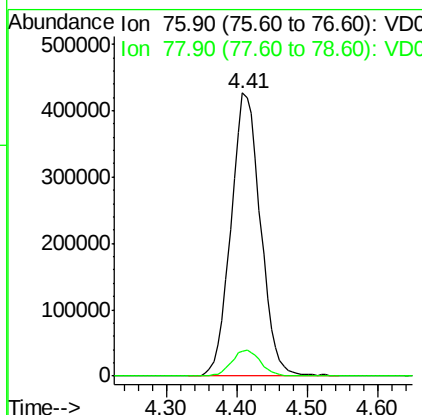
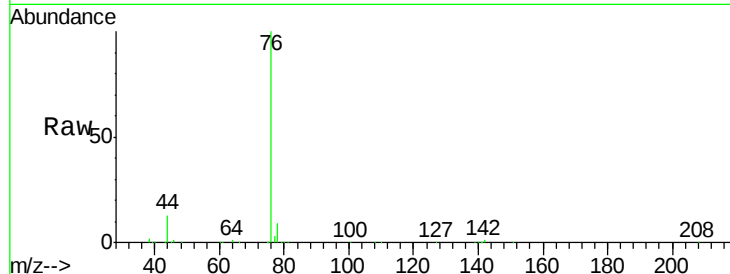
#17  
Carbon Disulfide  
Concen: 140.925 ug/l  
RT: 4.41 min Scan# 423  
Delta R.T. -0.01 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion: 76 Resp: 1238236  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.2 10.8

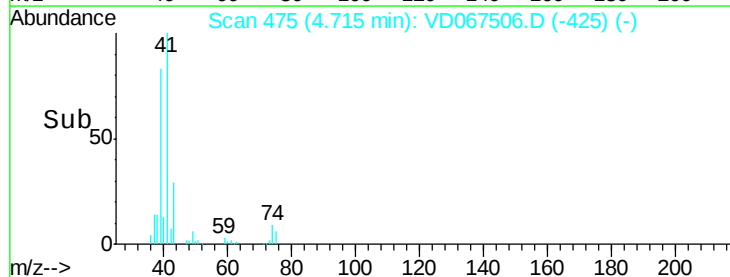
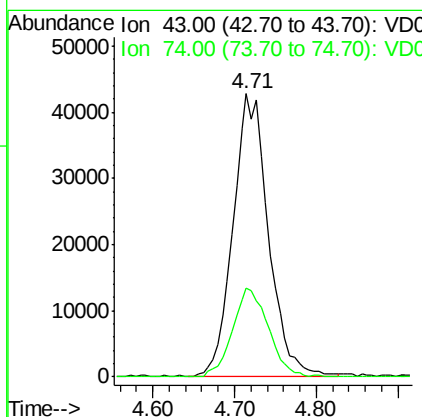
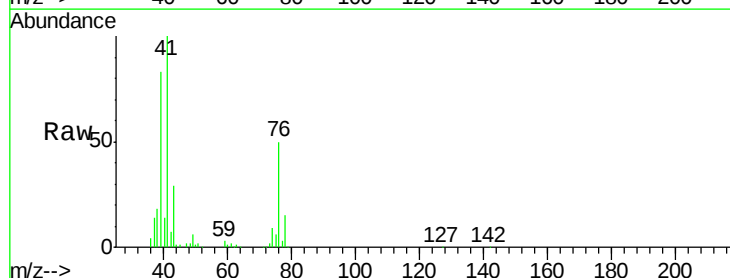
Manual Integrations  
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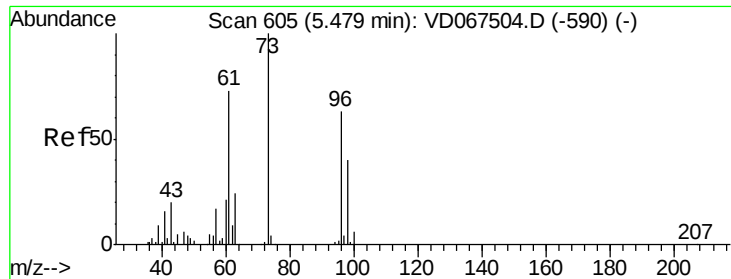
MMDadoda  
11/4/2020 10:43:29 AM



#18  
Methyl Acetate  
Concen: 139.166 ug/l  
RT: 4.71 min Scan# 475  
Delta R.T. -0.01 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Tgt Ion: 43 Resp: 129273  
Ion Ratio Lower Upper  
43 100  
74 31.5 27.2 40.8





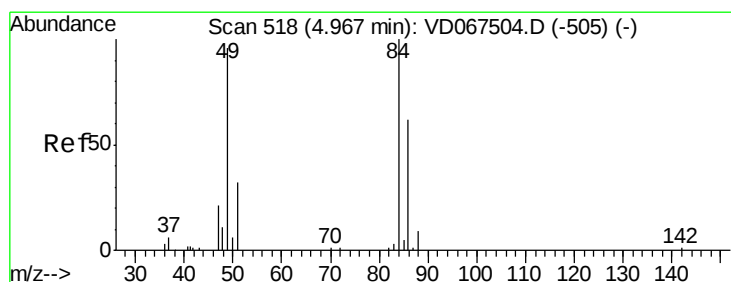
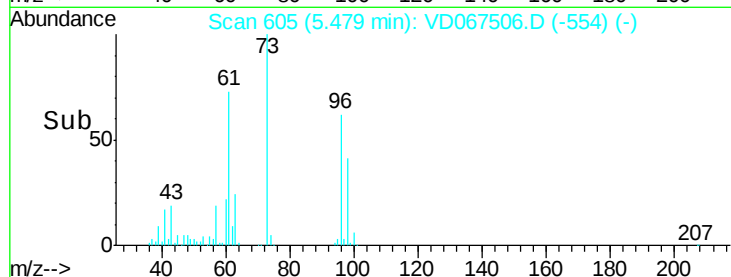
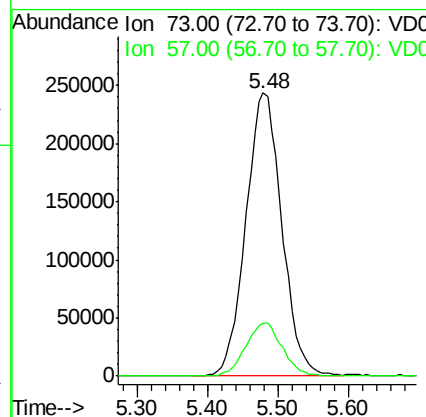
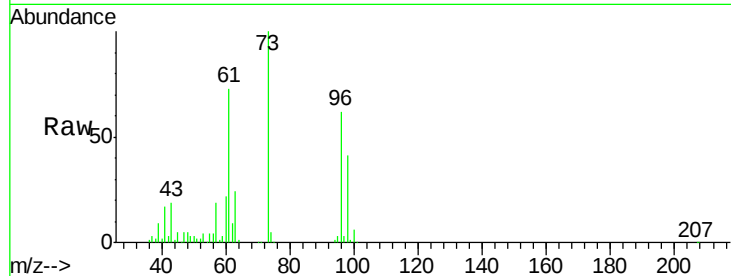
#19  
Methvl tert-butvl Ether  
Concen: 152.706 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion: 73 Resp: 863702  
Ion Ratio Lower Upper  
73 100  
57 18.9 13.4 20.0

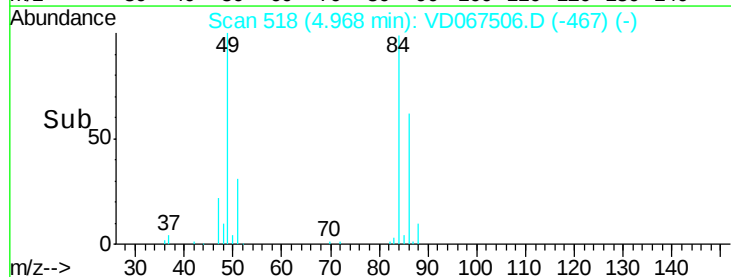
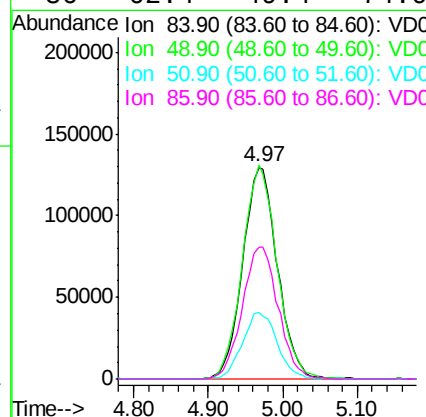
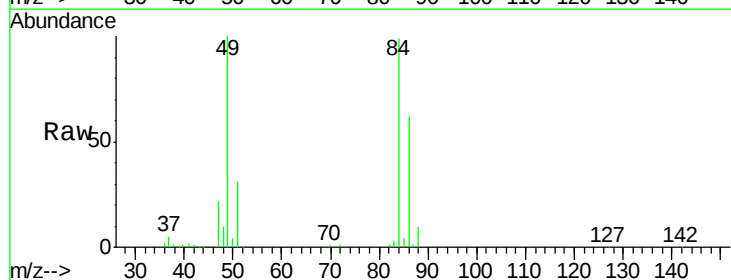
Manual Integrations  
APPROVED

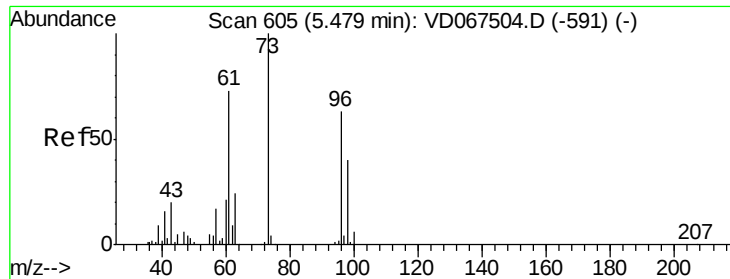
MMDadoda  
11/4/2020 10:43:29 AM



#20  
Methylene Chloride  
Concen: 131.965 ug/l  
RT: 4.97 min Scan# 518  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Tgt Ion: 84 Resp: 419035  
Ion Ratio Lower Upper  
84 100  
49 100.9 77.0 115.4  
51 31.3 25.4 38.2  
86 62.4 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 138.469 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

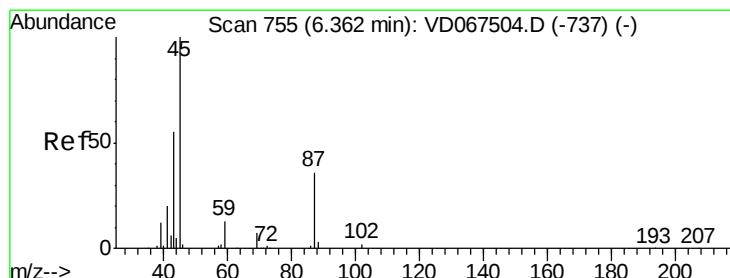
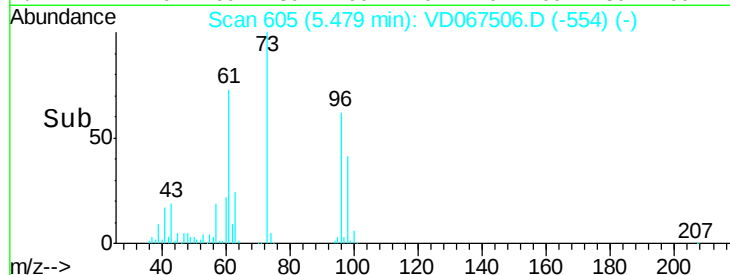
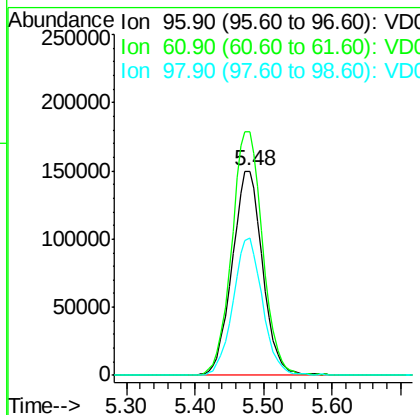
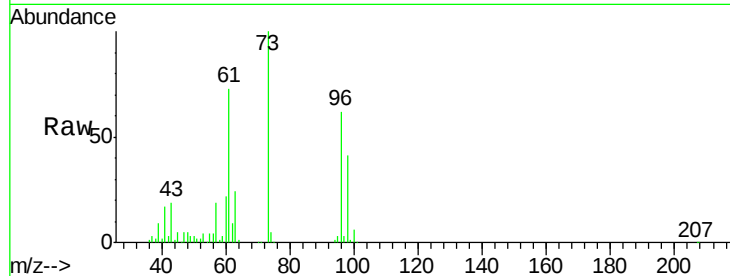
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 462453 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 119.0 | 93.0  | 139.6  |
| 98       | 67.1  | 50.9  | 76.3   |

Manual Integrations  
APPROVED

MMDadoda  
11/4/2020 10:43:29 AM



#22

Diisopropyl ether

Concen: 144.800 ug/l

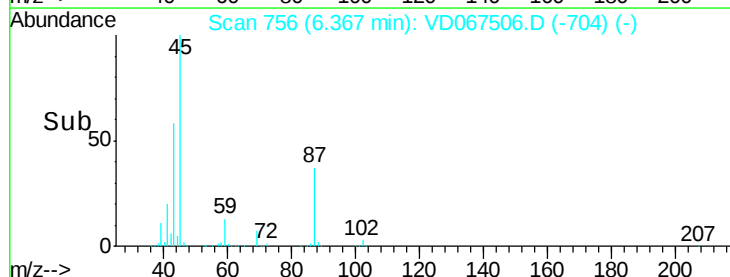
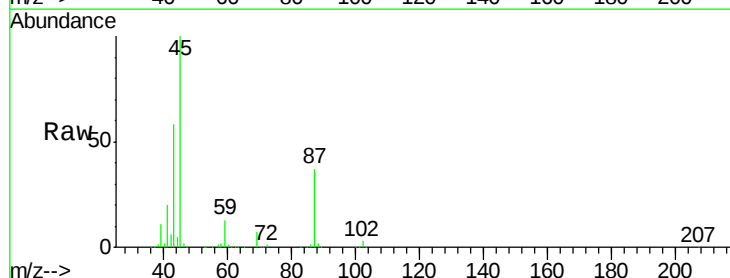
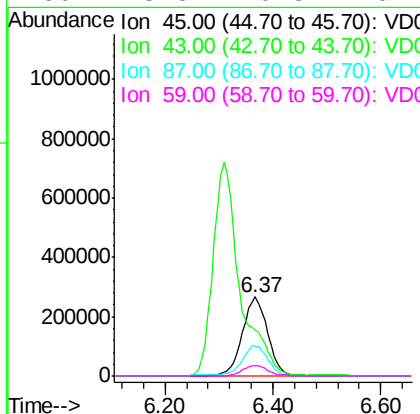
RT: 6.37 min Scan# 756

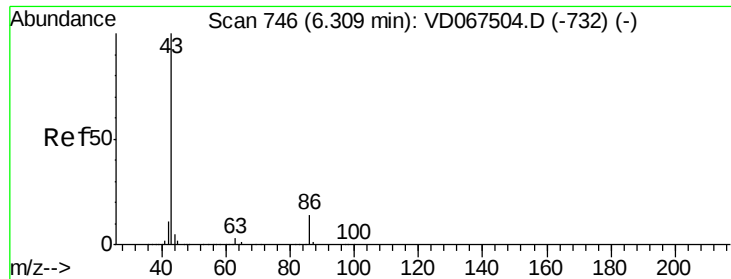
Delta R.T. 0.01 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 865950 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 57.2  | 46.2  | 69.4   |
| 87       | 37.1  | 29.4  | 44.2   |
| 59       | 13.3  | 10.8  | 16.2   |





#23

Vinyl Acetate

Concen: 802.672 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2517481

Ion Ratio Lower Upper

43 100

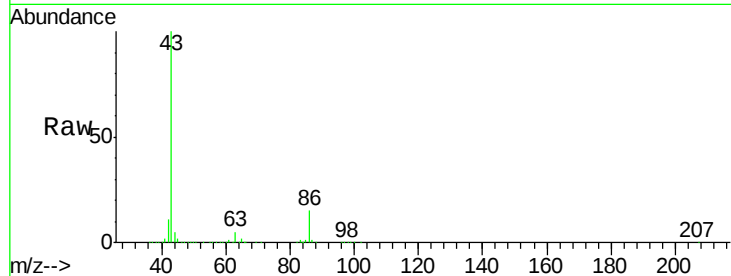
86 14.6 11.6 17.4

Manual Integrations

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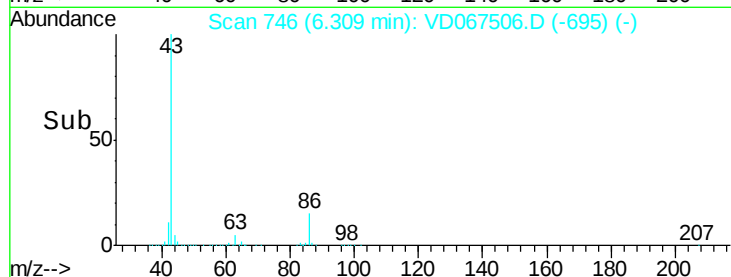
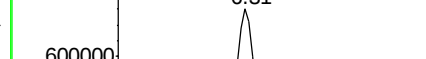
MMDadoda

11/4/2020 10:43:29 AM

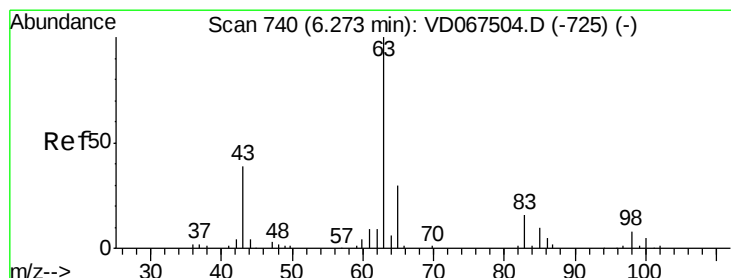


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 141.643 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

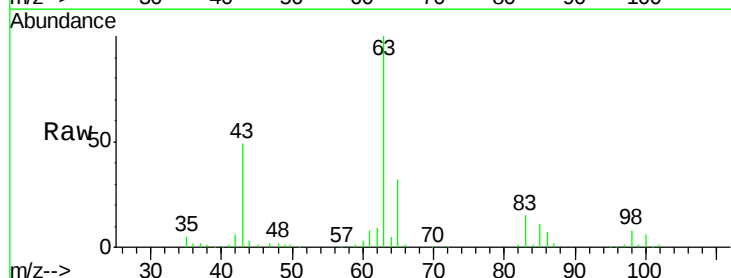
Tgt Ion: 63 Resp: 692978

Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.5

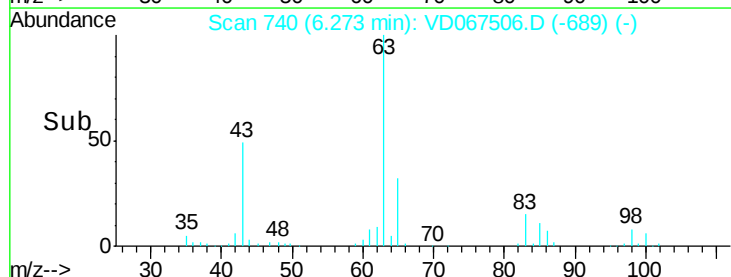
100 5.6 2.6 7.8



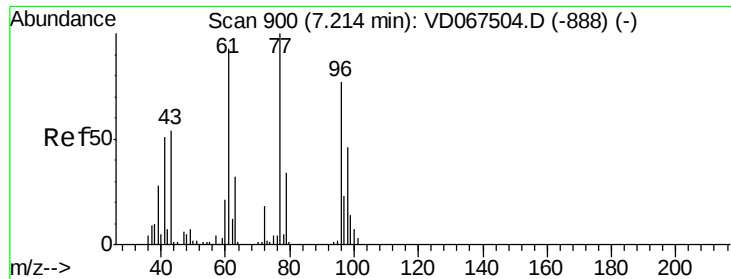
Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->



#25

2-Butanone

Concen: 744.149 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 357433

Ion Ratio Lower Upper

43 100

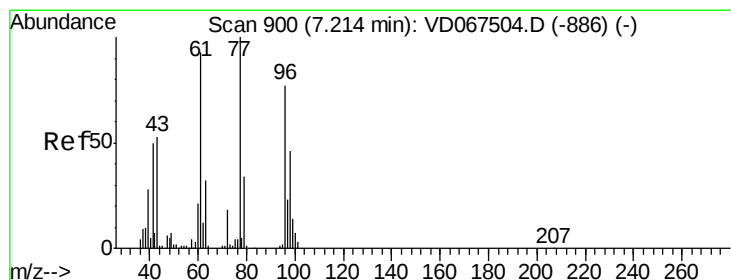
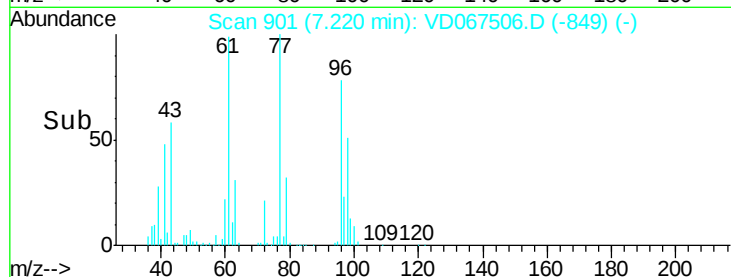
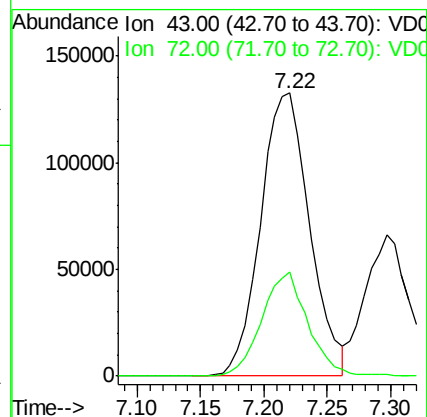
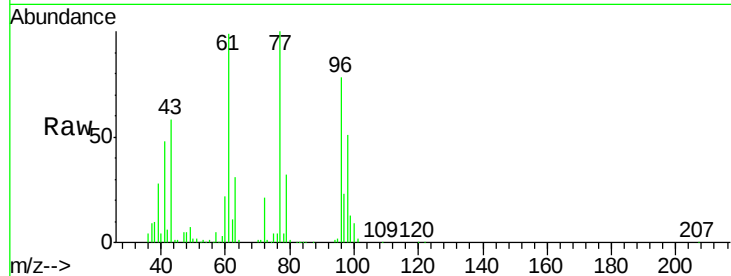
72 36.8 26.4 39.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 140.302 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067506.D

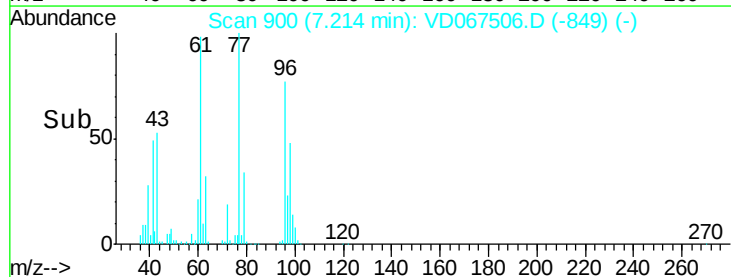
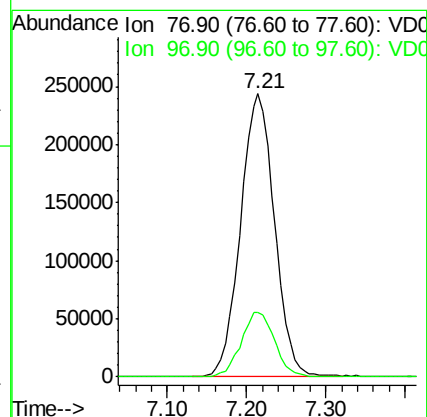
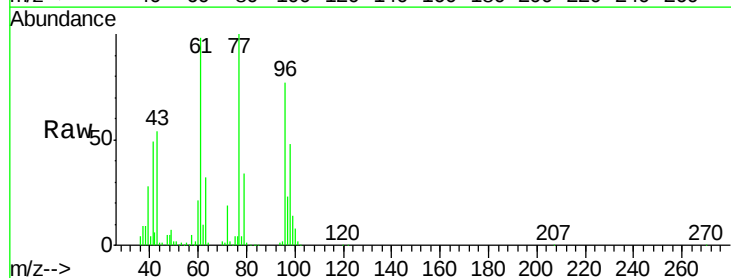
Acq: 03 Nov 2020 12:30

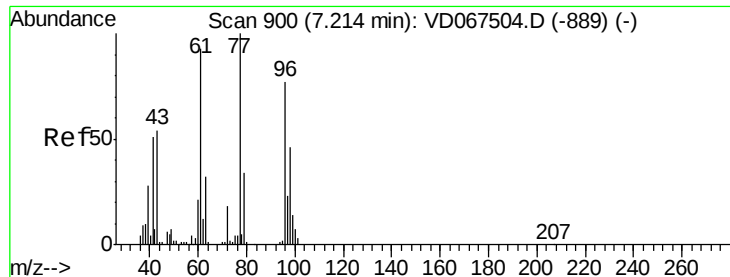
Tgt Ion: 77 Resp: 724441

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.3





#27

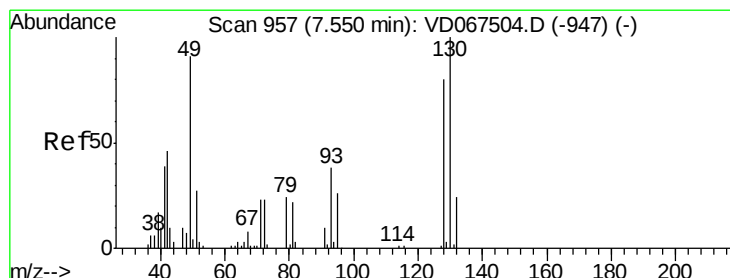
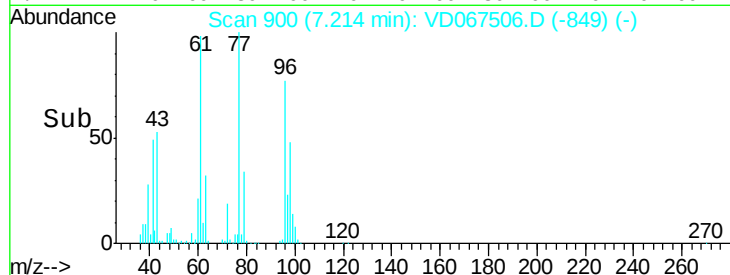
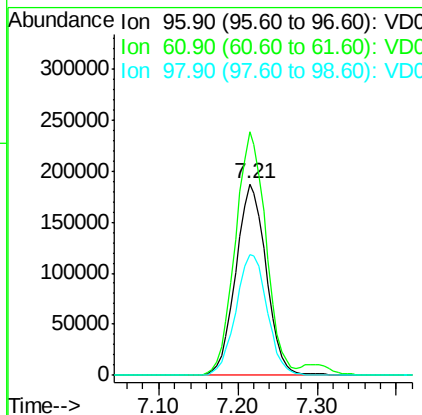
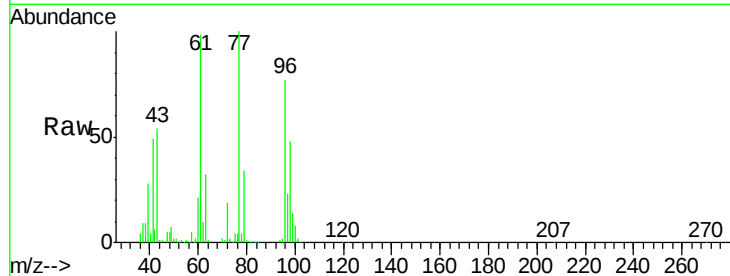
cis-1,2-Dichloroethene  
Concen: 143.750 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 96      | 100   |       | 498315 |       |       |
| 61      | 128.3 | 0.0   | 251.6  |       |       |
| 98      | 65.3  | 0.0   | 128.0  |       |       |

Manual Integrations  
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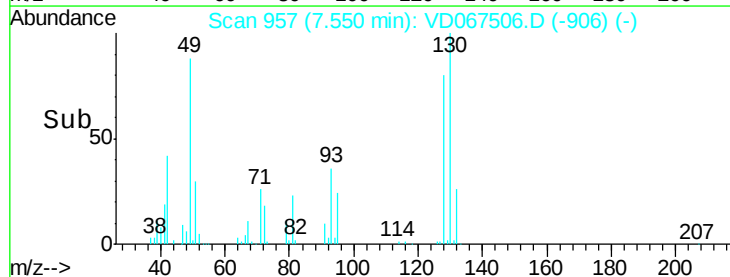
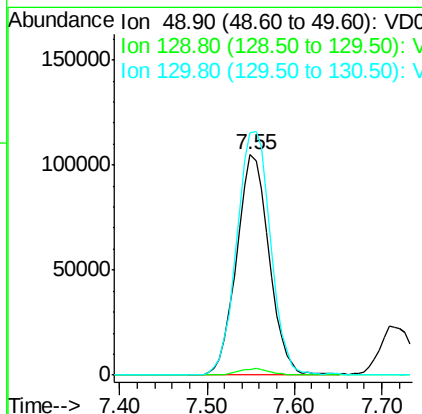
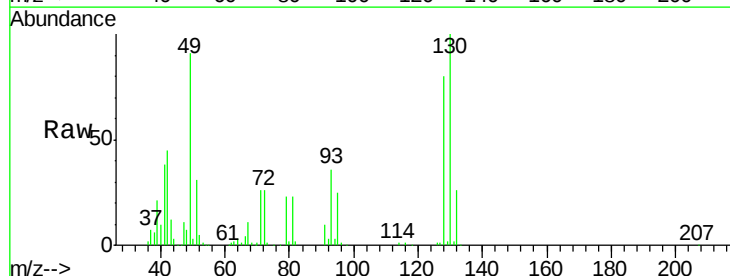
MMDadoda  
11/4/2020 10:43:29 AM

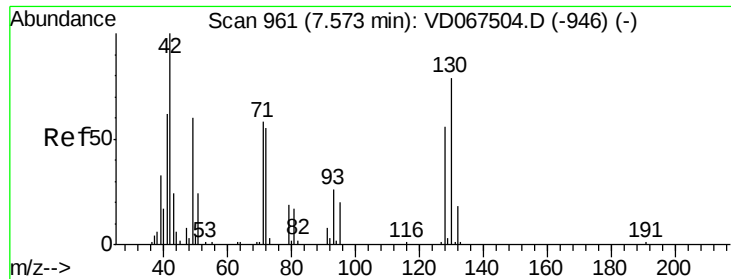


#28

Bromochloromethane  
Concen: 151.682 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 49      | 100   |       | 263966 |       |       |
| 129     | 3.0   | 0.0   | 6.4    |       |       |
| 130     | 115.1 | 94.6  | 142.0  |       |       |





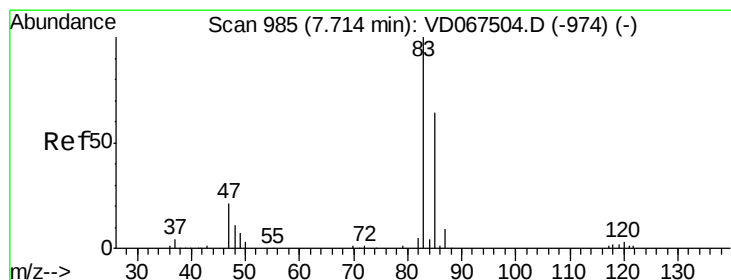
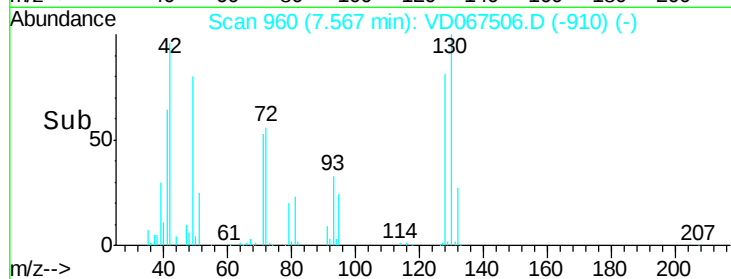
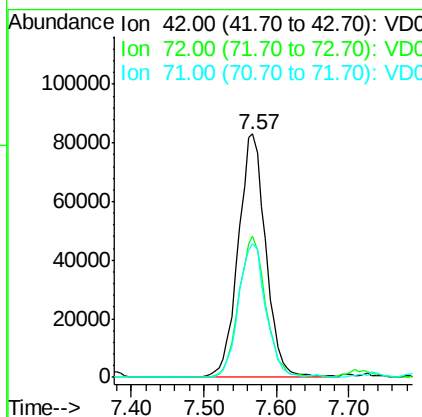
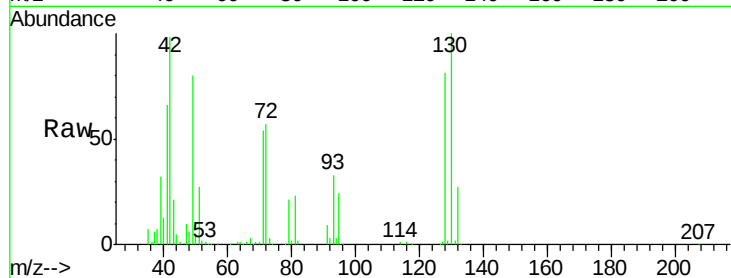
#29  
Tetrahydrofuran  
Concen: 764.013 ug/l  
RT: 7.57 min Scan# 960  
Delta R.T. -0.01 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 56.4  | 46.3  | 69.5  |
| 71      | 54.0  | 44.0  | 66.0  |

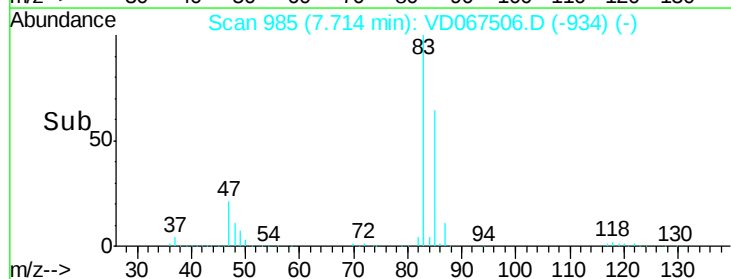
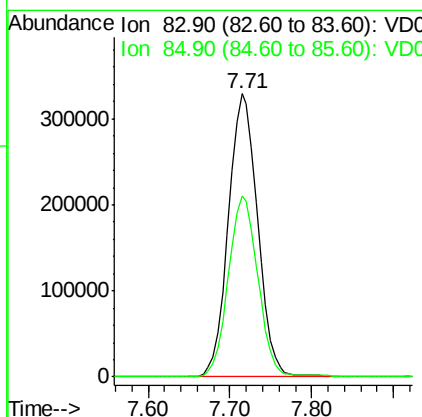
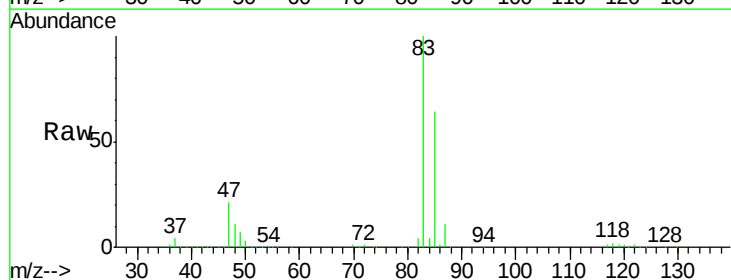
Manual Integrations  
APPROVED

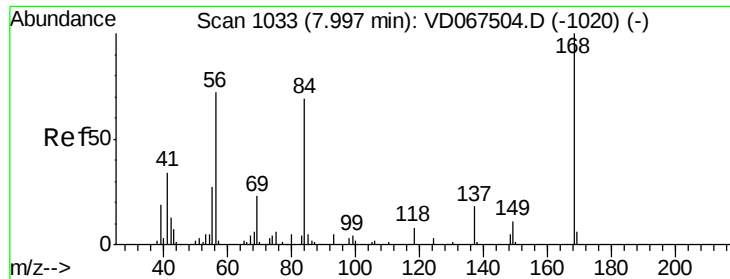
MMDadoda  
11/4/2020 10:43:29 AM



#30  
Chloroform  
Concen: 140.476 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.2  | 51.5  | 77.3  |





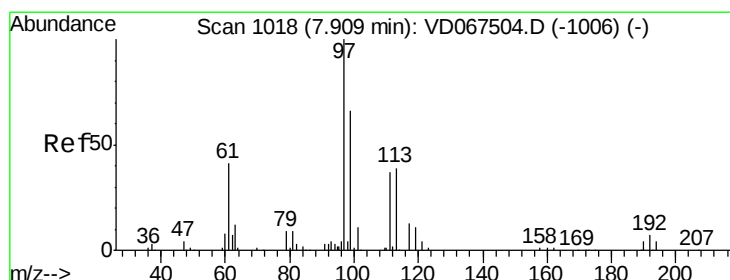
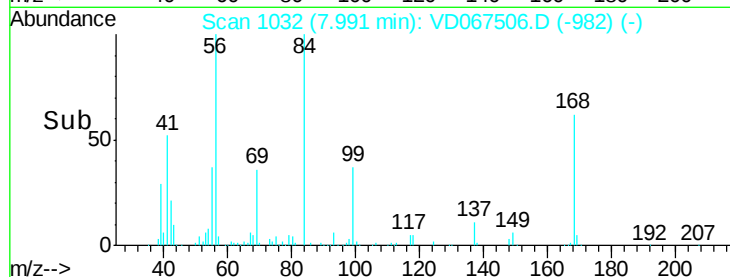
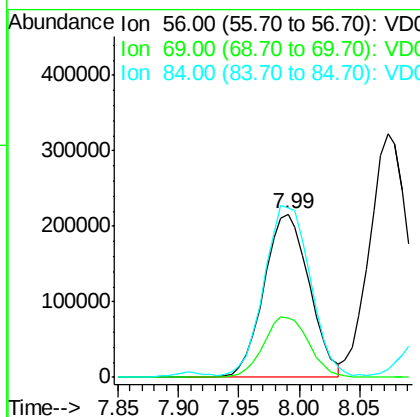
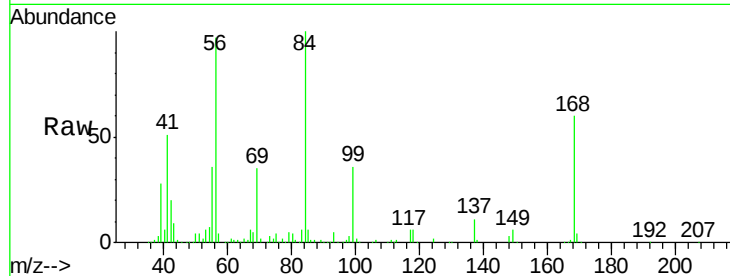
#31  
Cyclohexane  
Concen: 129.695 ug/l  
RT: 7.99 min Scan# 1032  
Delta R.T. -0.01 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 36.2  | 25.9  | 38.9  |
| 84      | 100.4 | 76.2  | 114.4 |

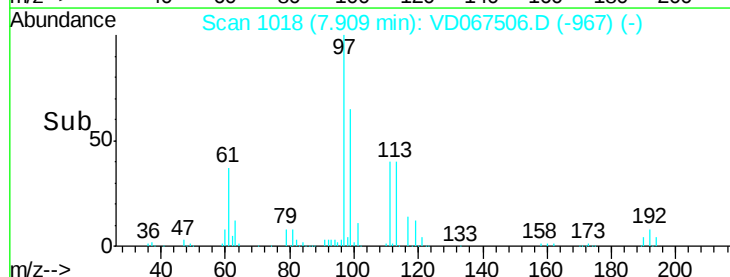
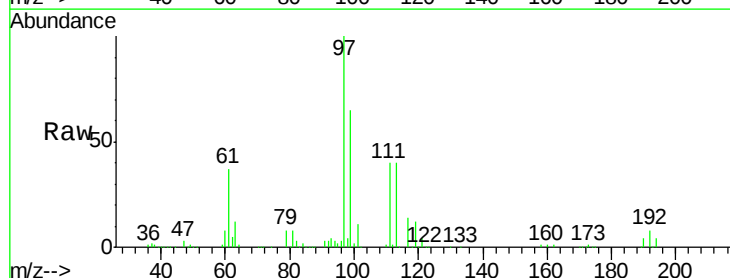
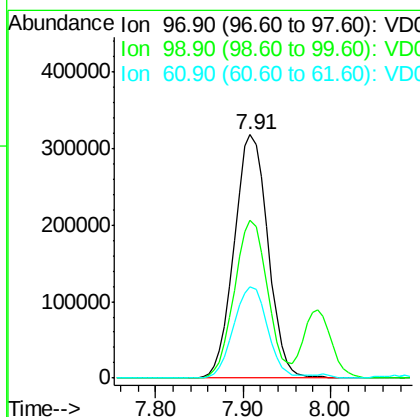
Manual Integrations  
APPROVED

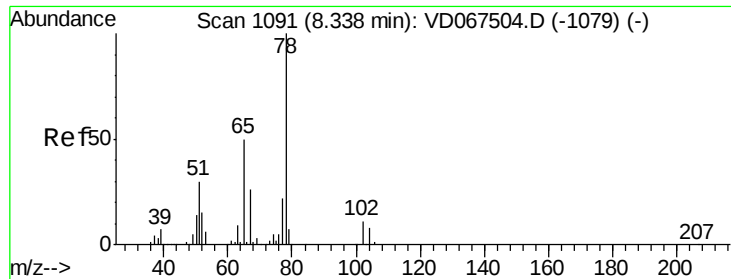
MMDadoda  
11/4/2020 10:43:29 AM



#32  
1,1,1-Trichloroethane  
Concen: 138.569 ug/l  
RT: 7.91 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.2  | 51.8  | 77.6  |
| 61      | 37.6  | 30.5  | 45.7  |





#33

1,2-Dichloroethane-d4

Concen: 131.347 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 394557

Ion Ratio Lower Upper

65 100

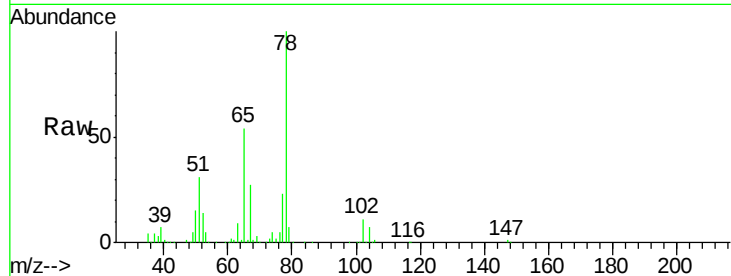
67 50.1 0.0 99.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

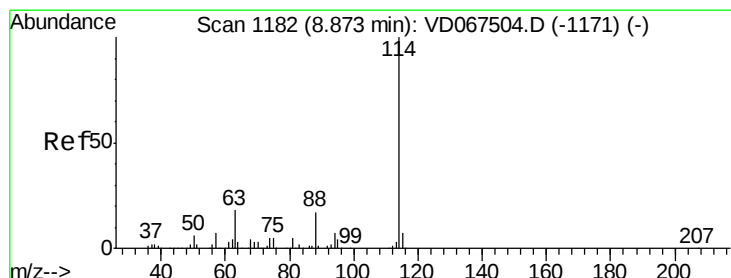
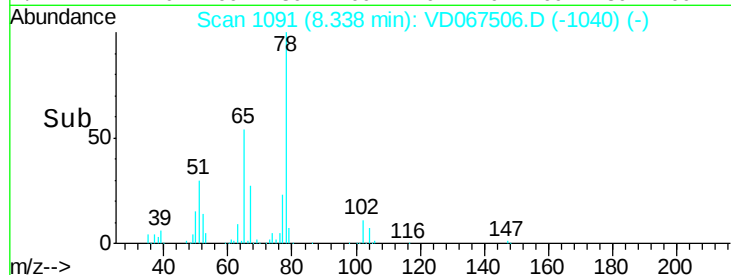
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

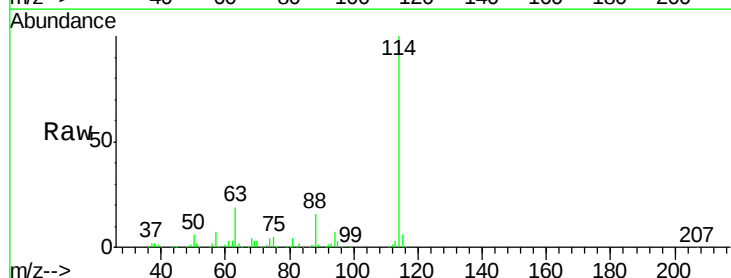
Tgt Ion: 114 Resp: 507927

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.0

88 15.7 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

300000

250000

200000

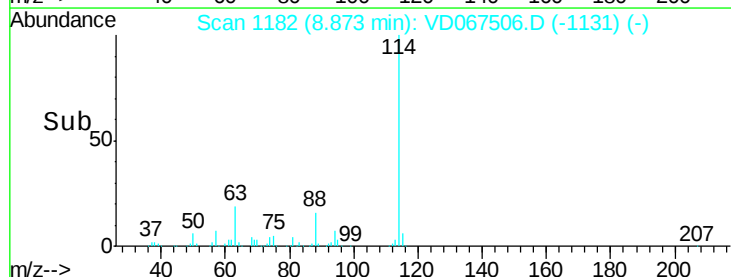
150000

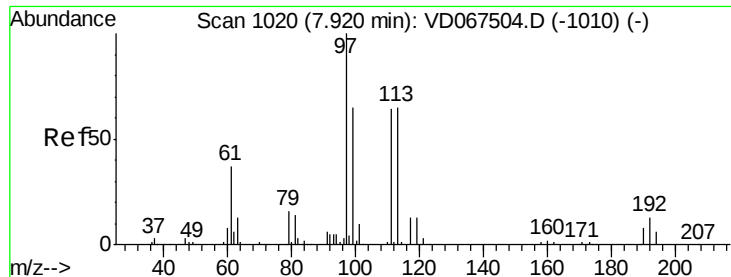
100000

50000

0

Time-->





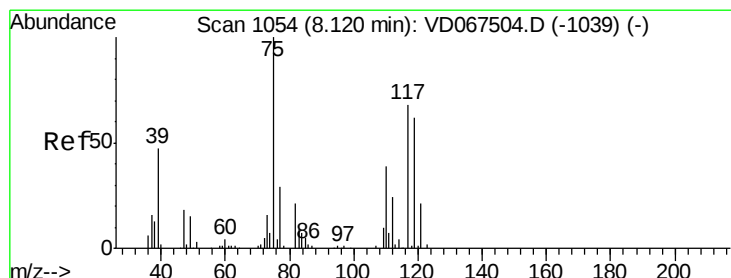
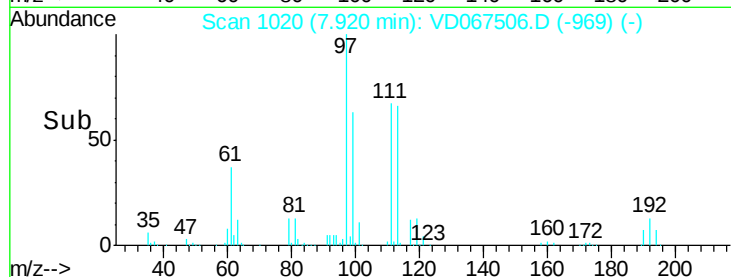
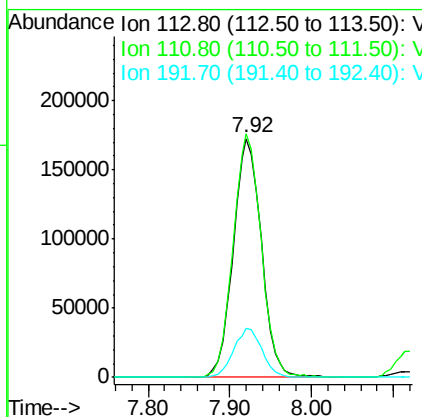
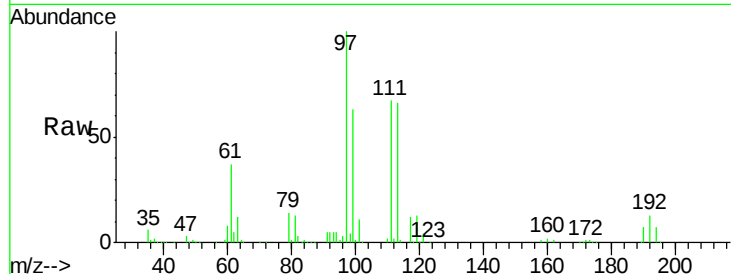
#35  
 Dibromofluoromethane  
 Concen: 135.332 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.00 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 414148 |       |       |
| 111     | 101.6 | 80.0   | 120.0 |       |
| 192     | 20.6  | 16.3   | 24.5  |       |

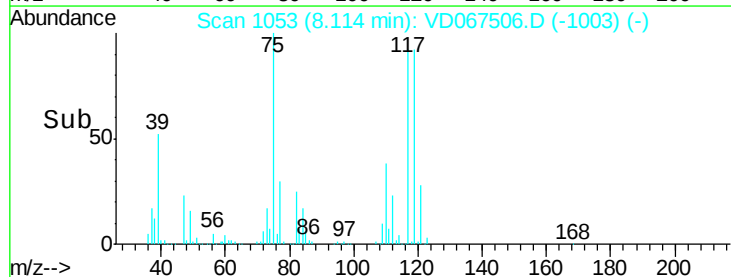
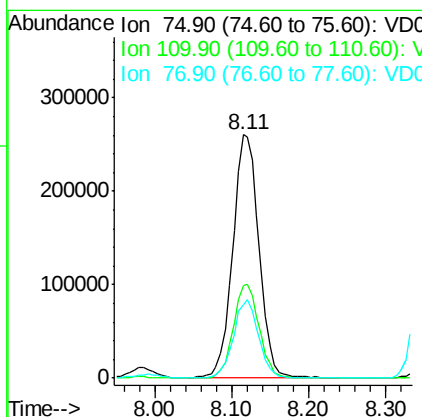
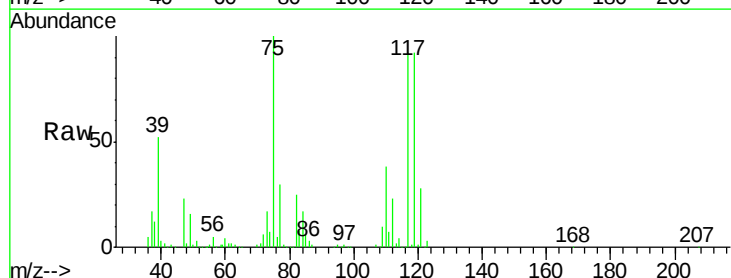
Manual Integrations  
 APPROVED

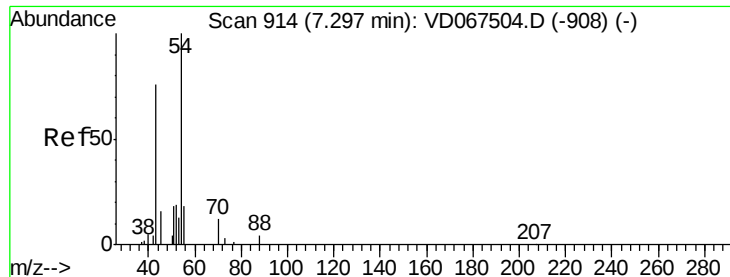
MMDadoda  
 11/4/2020 10:43:29 AM



#36  
 1,1-Dichloropropene  
 Concen: 141.866 ug/l  
 RT: 8.11 min Scan# 1053  
 Delta R.T. -0.01 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 616803 |       |       |
| 110     | 37.9  | 19.9   | 59.7  |       |
| 77      | 31.4  | 24.8   | 37.2  |       |





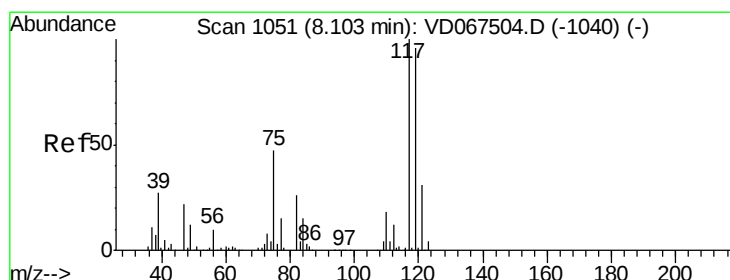
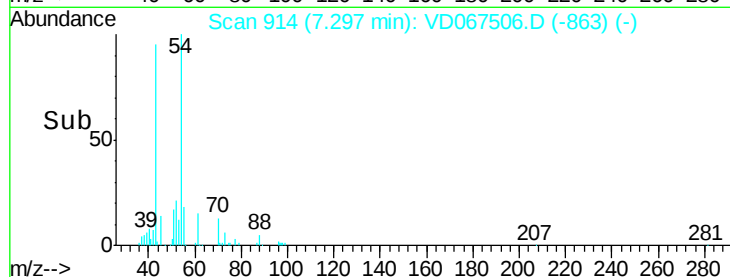
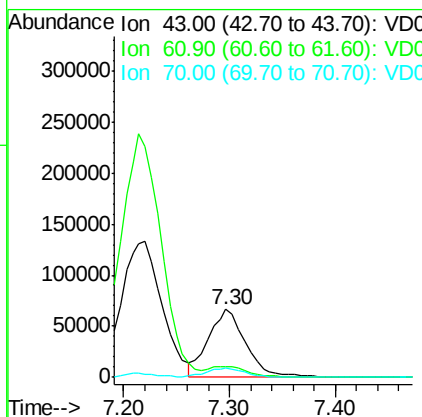
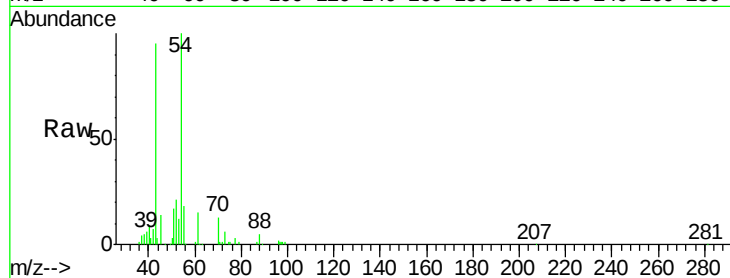
#37  
Ethyl Acetate  
Concen: 143.923 ug/l  
RT: 7.30 min Scan# 914  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.9  | 12.8  | 19.2  |
| 70      | 14.3  | 11.7  | 17.5  |

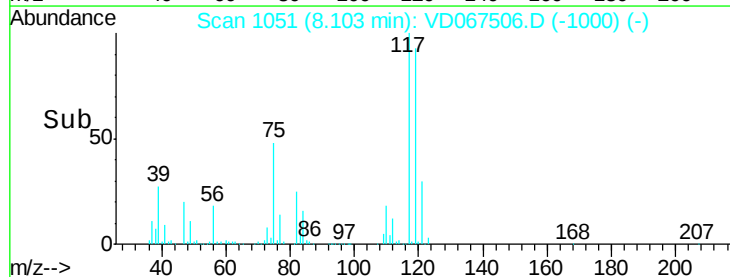
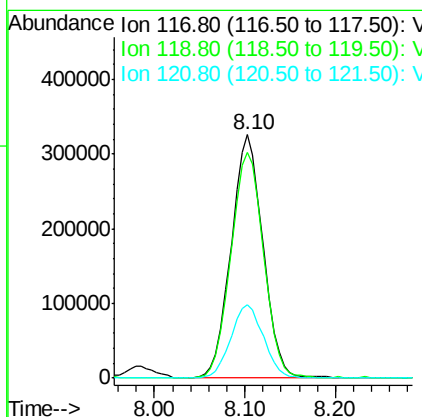
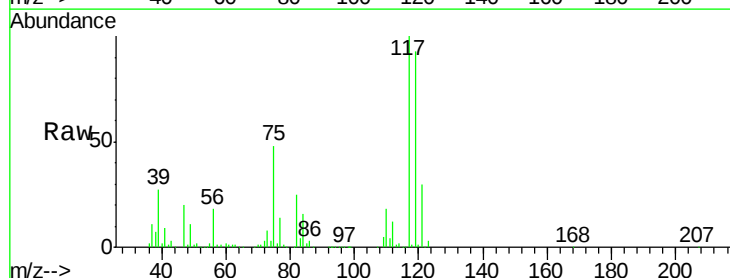
Manual Integrations  
APPROVED

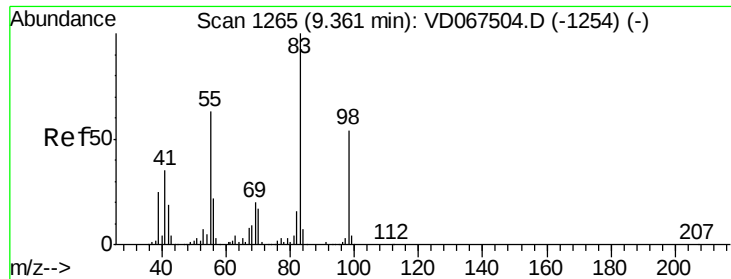
MMDadoda  
11/4/2020 10:43:29 AM



#38  
Carbon Tetrachloride  
Concen: 140.322 ug/l  
RT: 8.10 min Scan# 1051  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 92.6  | 76.9  | 115.3 |
| 121     | 30.4  | 24.5  | 36.7  |





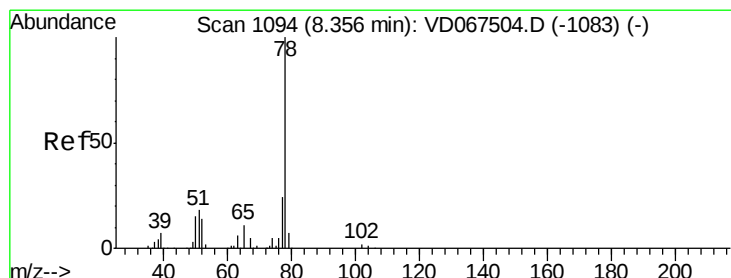
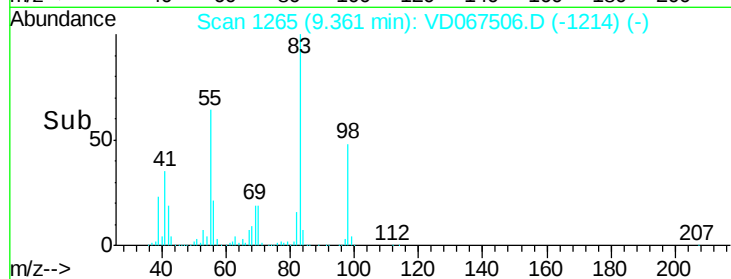
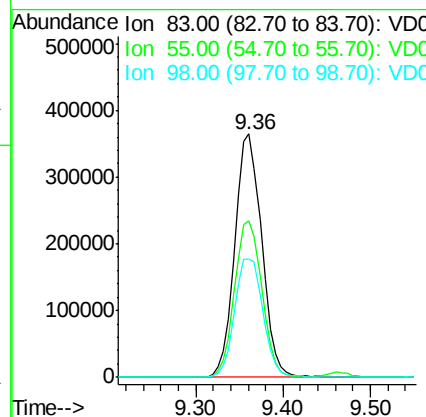
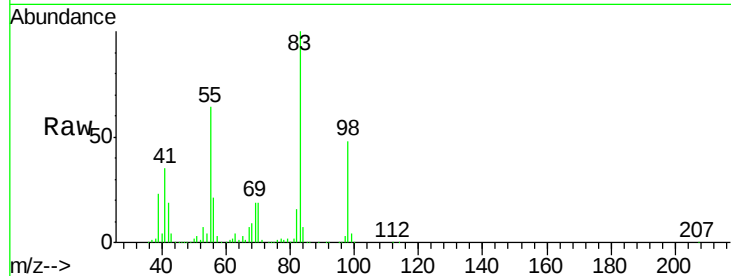
#39  
Methvlcvclohexane  
Concen: 148.957 ug/l  
RT: 9.36 min Scan# 1265  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 64.4  | 50.5  | 75.7  |
| 98      | 48.4  | 43.4  | 65.0  |

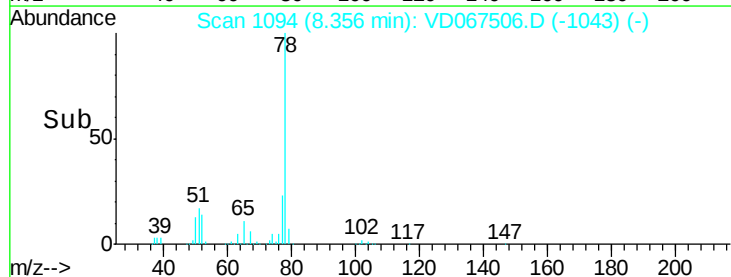
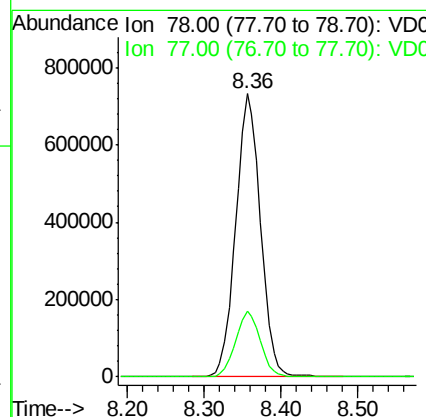
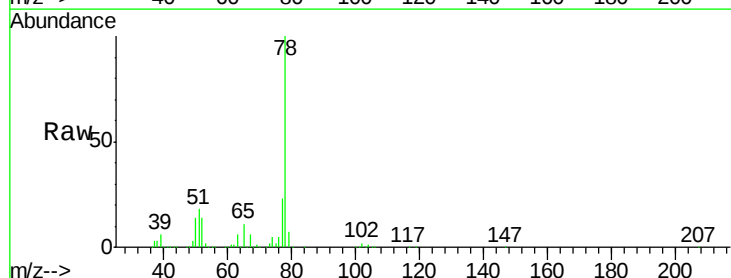
Manual Integrations  
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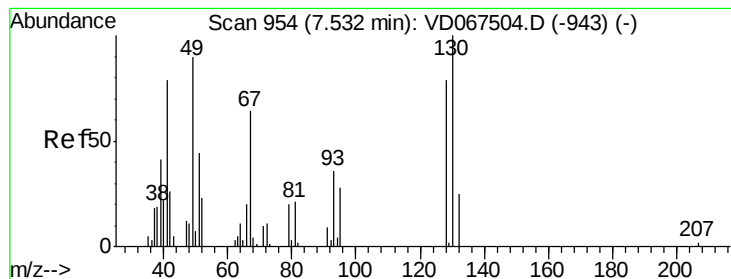
MMDadoda  
11/4/2020 10:43:29 AM



#40  
Benzene  
Concen: 139.659 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.1  | 19.1  | 28.7  |





#41

Methacrylonitrile

Concen: 181.634 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 103126

Ion Ratio Lower Upper

41 100

39 58.8 51.3 76.9

67 83.1 78.9 118.3

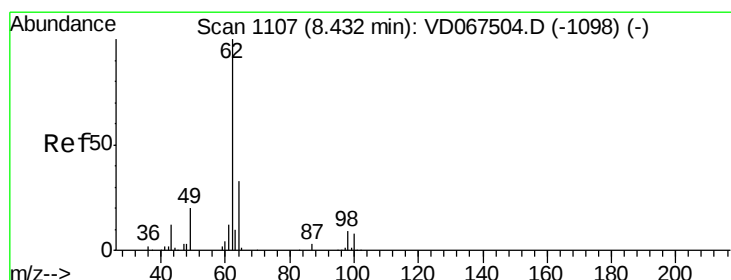
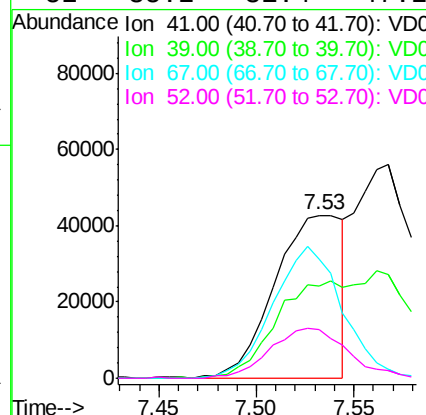
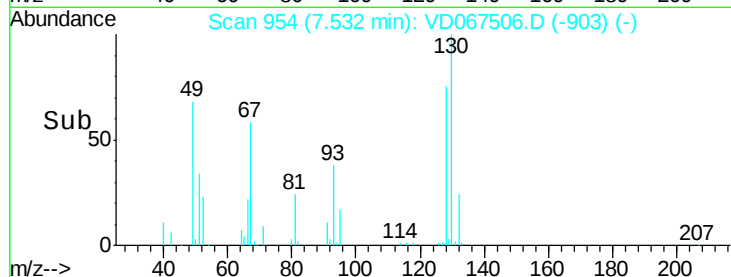
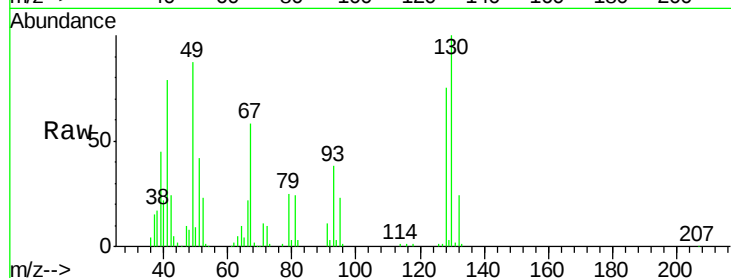
52 35.2 31.4 47.2

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#42

1,2-Dichloroethane

Concen: 140.182 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD067506.D

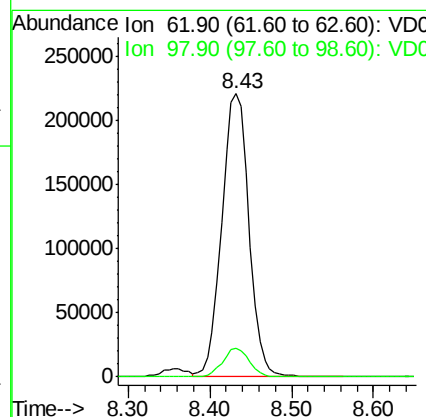
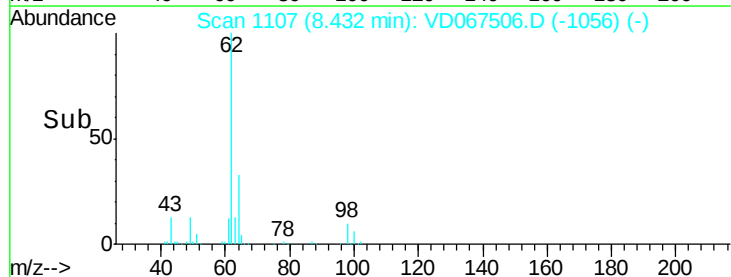
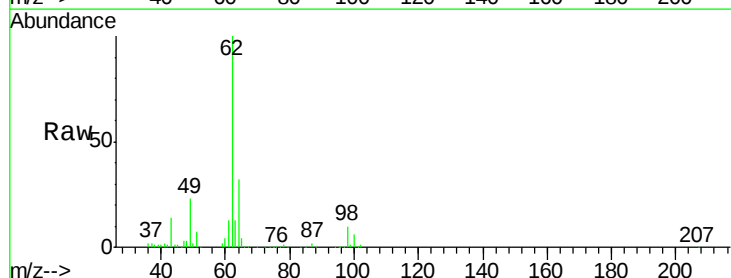
Acq: 03 Nov 2020 12:30

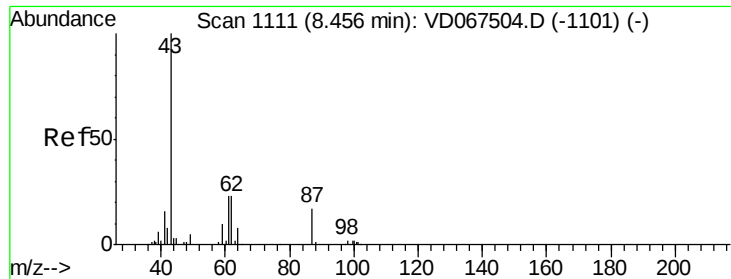
Tgt Ion: 62 Resp: 510084

Ion Ratio Lower Upper

62 100

98 9.9 0.0 19.8





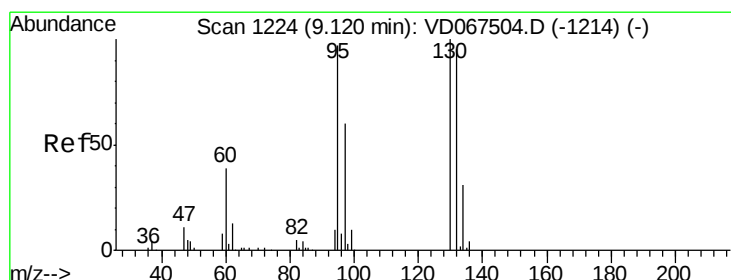
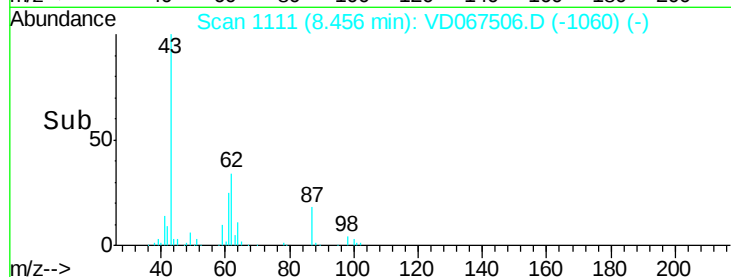
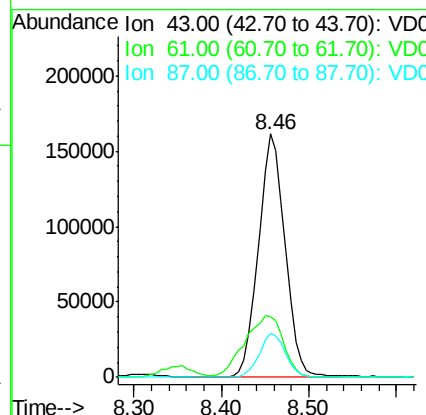
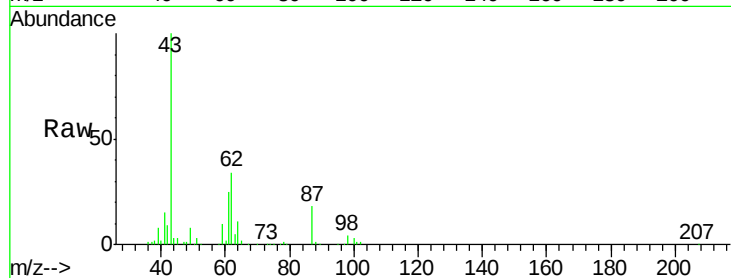
#43  
Isopropyl Acetate  
Concen: 150.706 ug/l  
RT: 8.46 min Scan# 1111  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 36.8  | 30.5  | 45.7  |
| 87      | 18.1  | 14.7  | 22.1  |

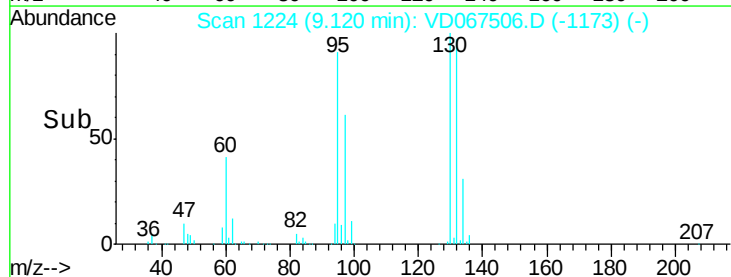
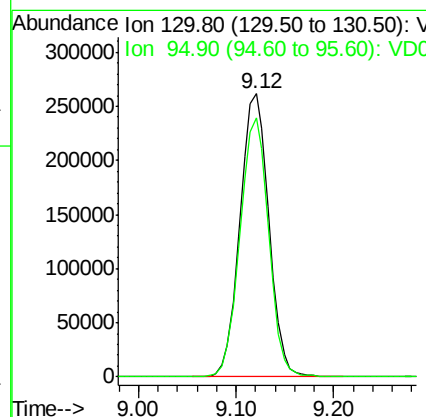
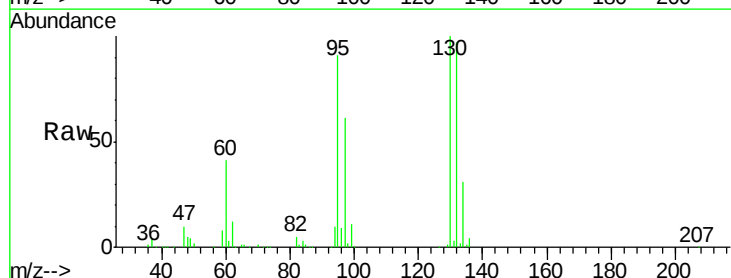
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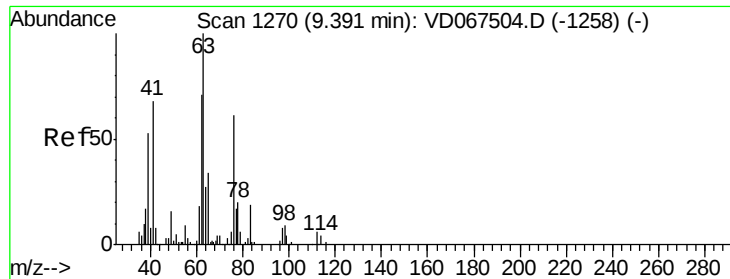
MMDadoda  
11/4/2020 10:43:29 AM



#44  
Trichloroethene  
Concen: 139.657 ug/l  
RT: 9.12 min Scan# 1224  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 91.4  | 0.0   | 194.4 |





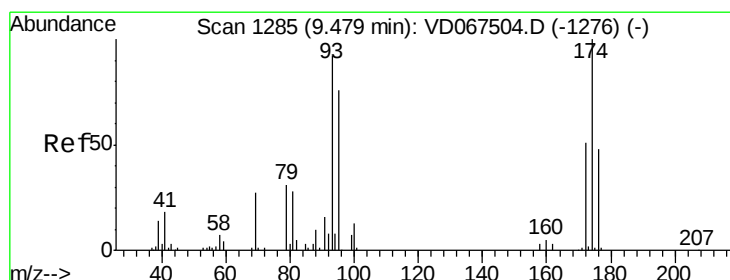
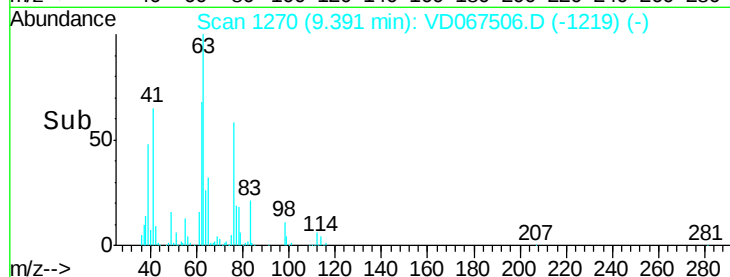
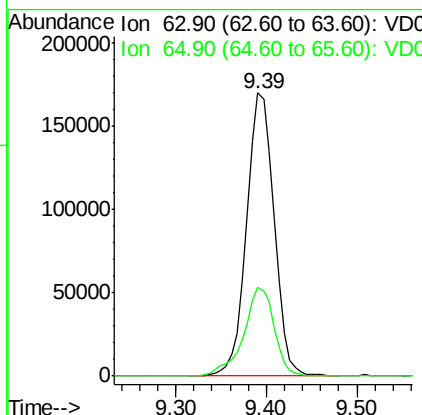
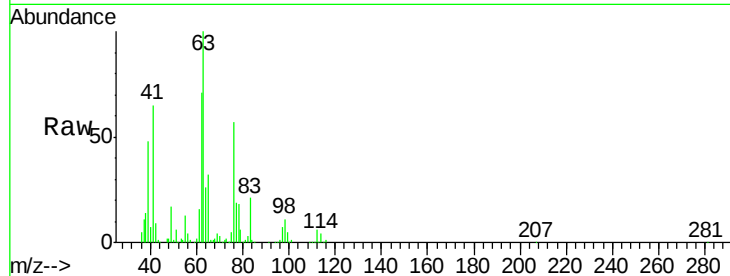
#45  
 1,2-Dichloropropane  
 Concen: 141.141 ug/l  
 RT: 9.39 min Scan# 1270  
 Delta R.T. 0.00 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.6  | 26.9  | 40.3  |

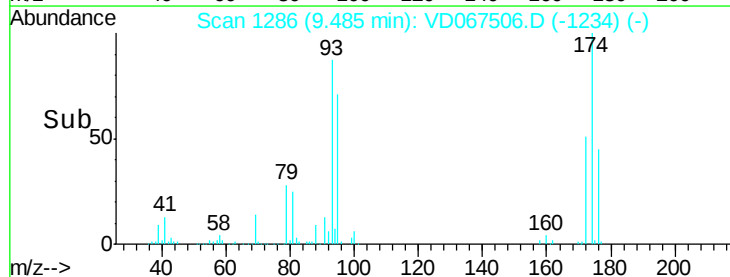
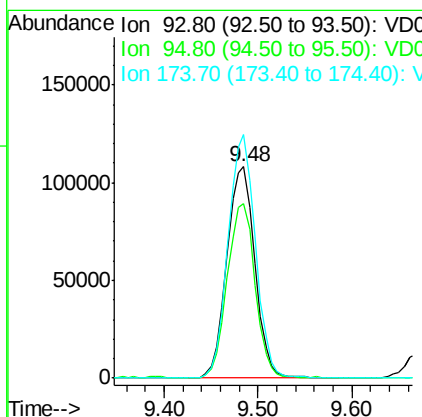
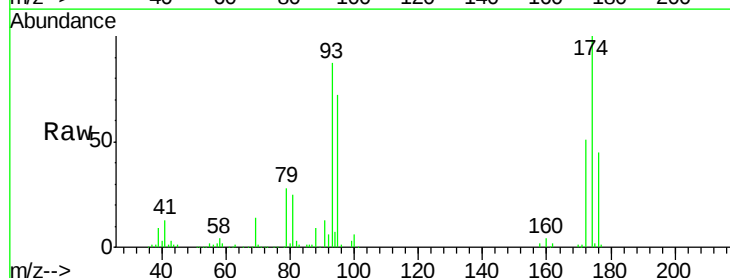
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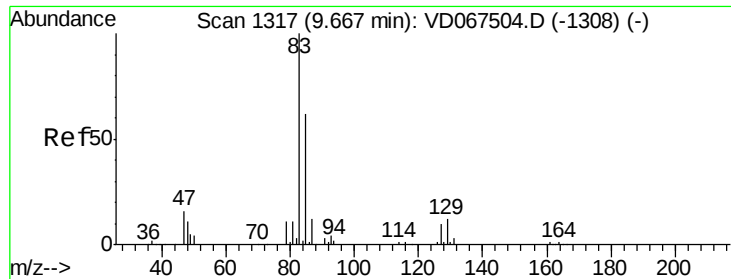
MMDadoda  
 11/4/2020 10:43:29 AM



#46  
 Dibromomethane  
 Concen: 138.833 ug/l  
 RT: 9.48 min Scan# 1286  
 Delta R.T. 0.01 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.0  | 66.4  | 99.6  |
| 174     | 111.5 | 88.2  | 132.4 |





#47

Bromodichloromethane

Concen: 141.402 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

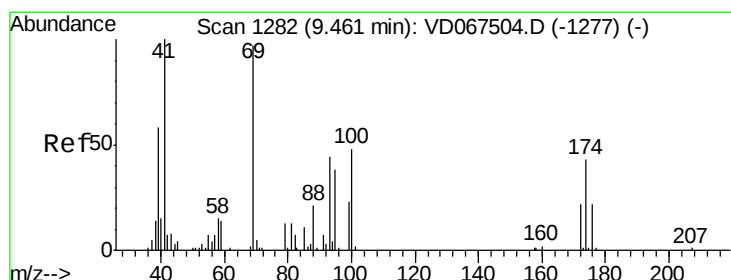
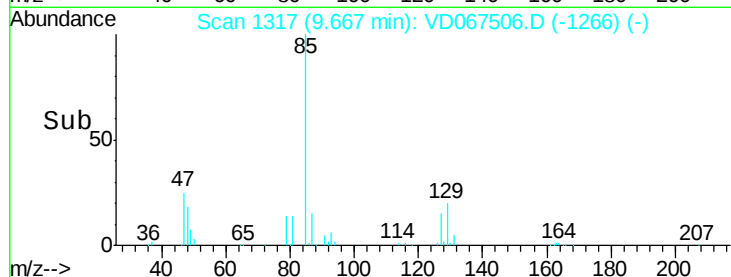
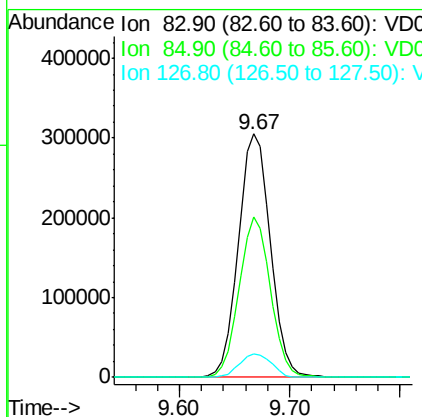
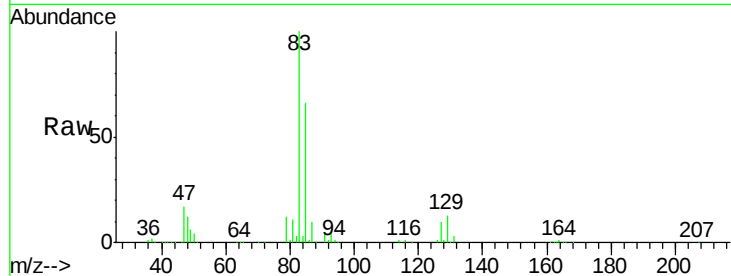
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 622233 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 65.8  | 49.4  | 74.2   |
| 127      | 9.9   | 7.7   | 11.5   |

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11/4/2020 10:43:29 AM



#48

Methyl methacrylate

Concen: 156.494 ug/l

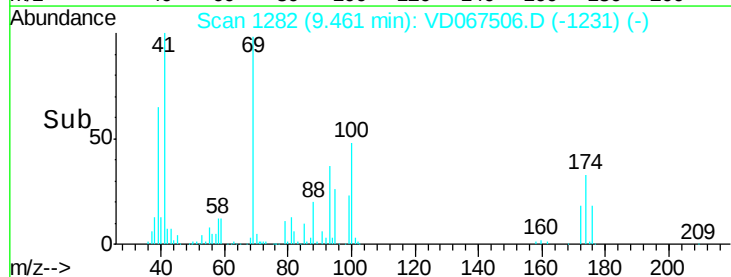
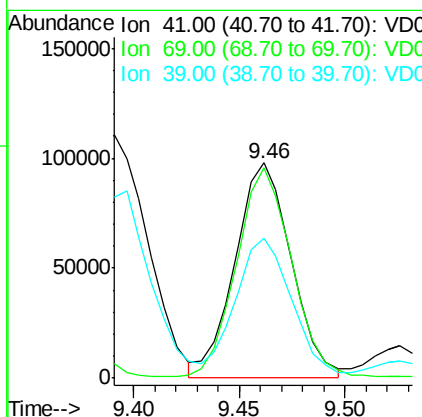
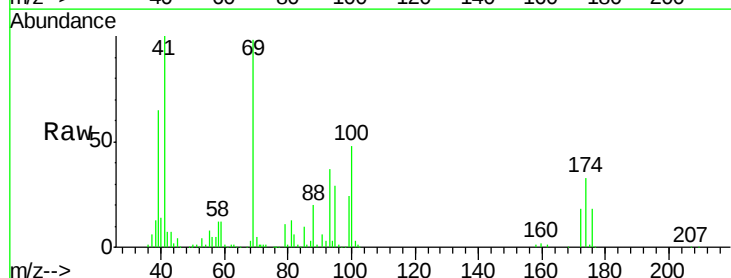
RT: 9.46 min Scan# 1282

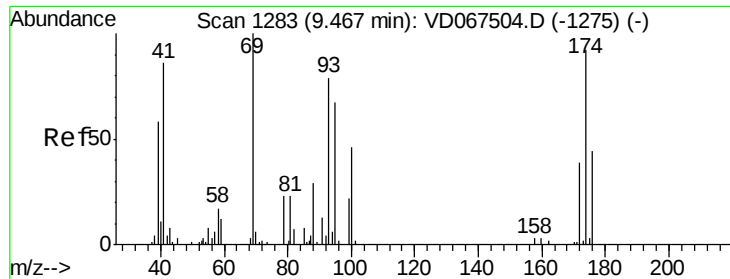
Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 180376 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 97.0  | 80.6  | 121.0  |
| 39       | 59.8  | 50.2  | 75.4   |





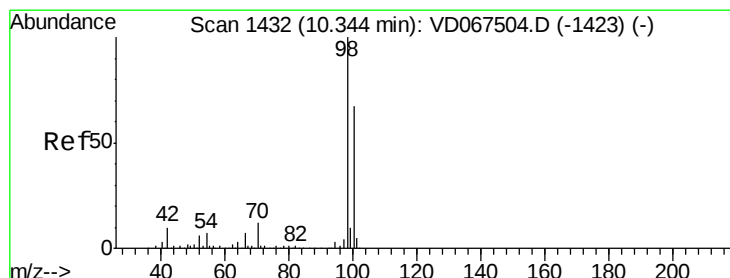
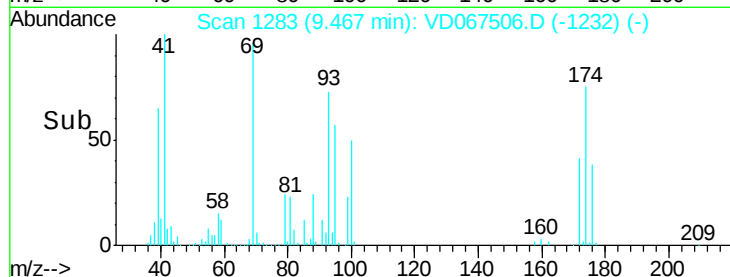
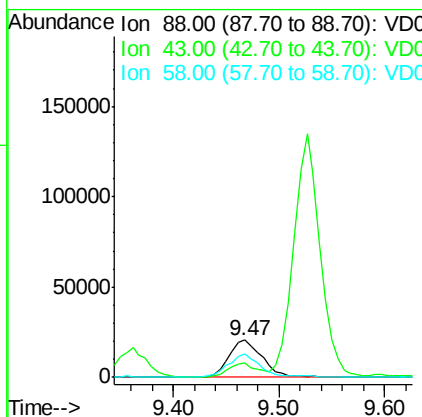
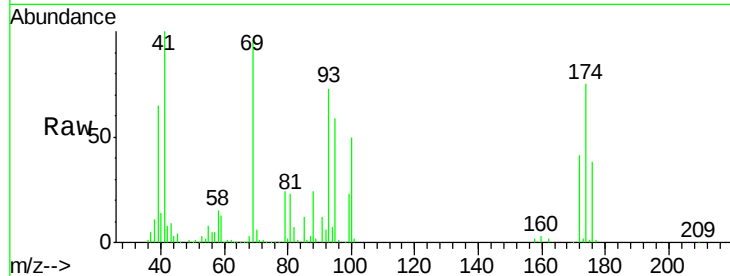
#49  
1,4-Dioxane  
Concen: 2770.690 ug/l  
RT: 9.47 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.5  | 23.6  | 35.4  |
| 58      | 58.1  | 44.7  | 67.1  |

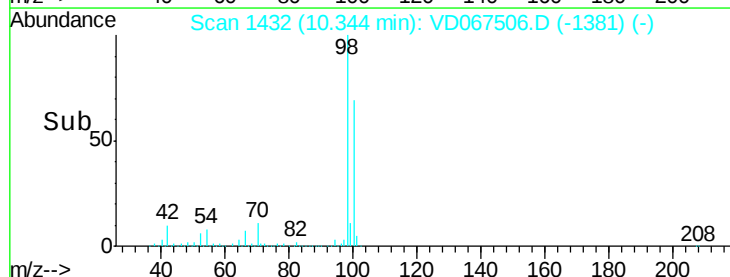
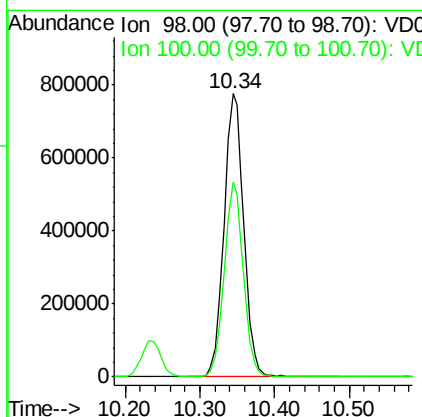
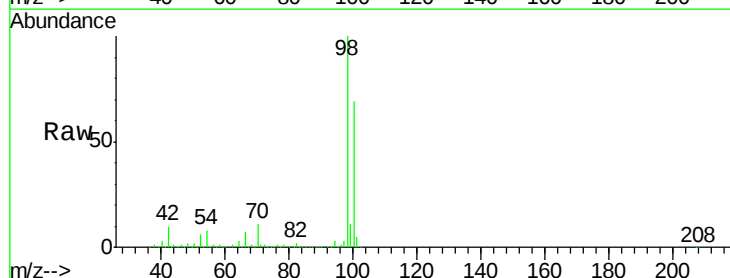
Manual Integrations  
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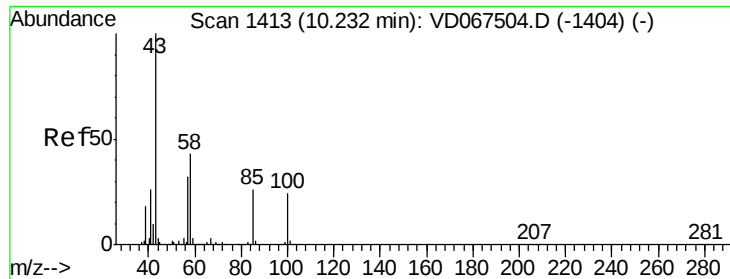
MMDadoda  
11/4/2020 10:43:29 AM



#50  
Toluene-d8  
Concen: 132.567 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 67.1  | 53.0  | 79.6  |





#51

4-Methyl-2-Pentanone

Concen: 738.477 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 788416

Ion Ratio Lower Upper

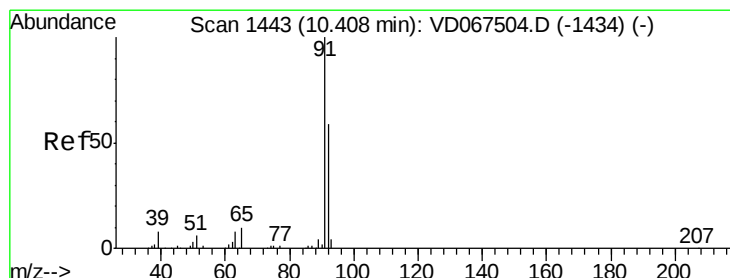
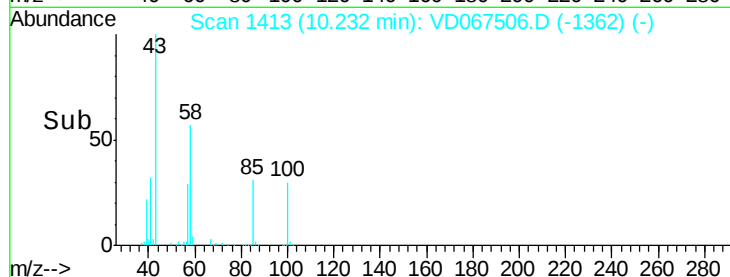
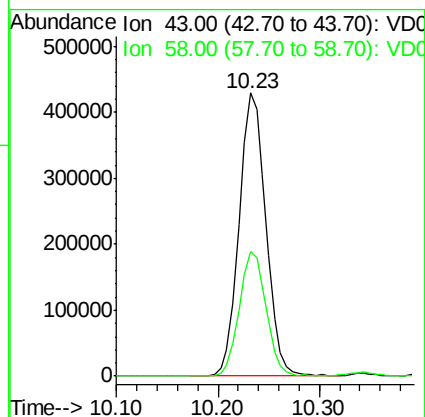
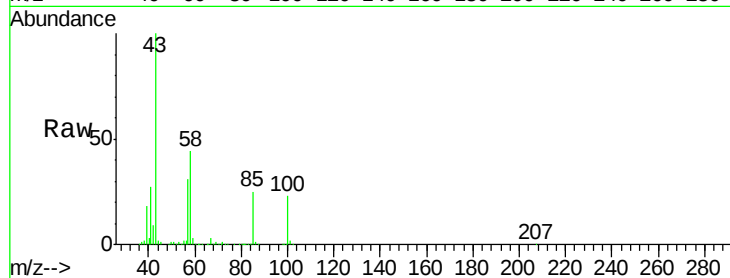
43 100

58 44.2 35.6 53.4

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#52

Toluene

Concen: 142.971 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067506.D

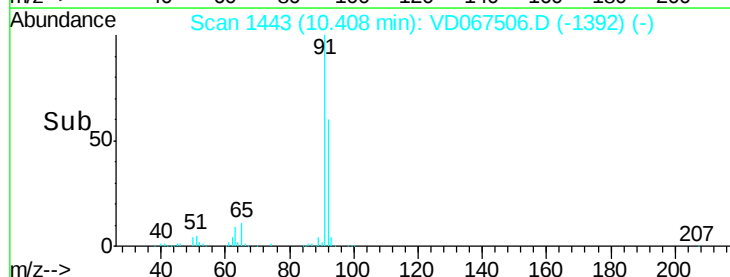
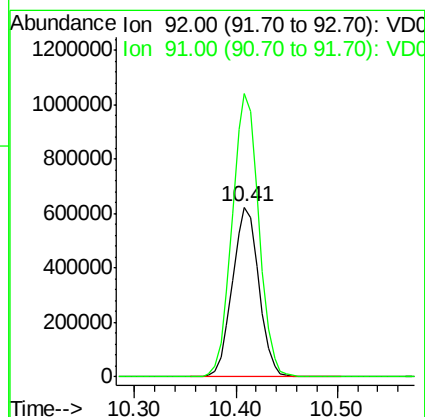
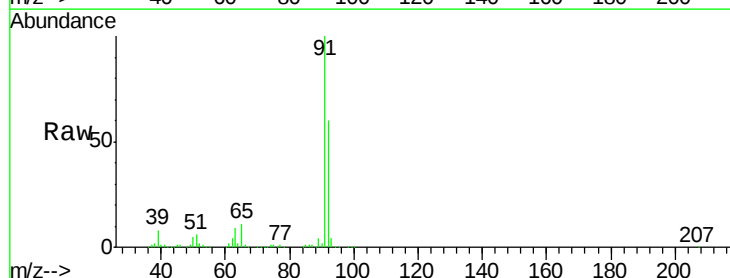
Acq: 03 Nov 2020 12:30

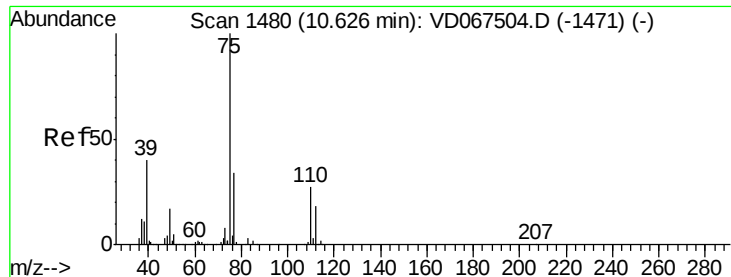
Tgt Ion: 92 Resp: 1127796

Ion Ratio Lower Upper

92 100

91 168.5 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 148.994 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 561529

Ion Ratio Lower Upper

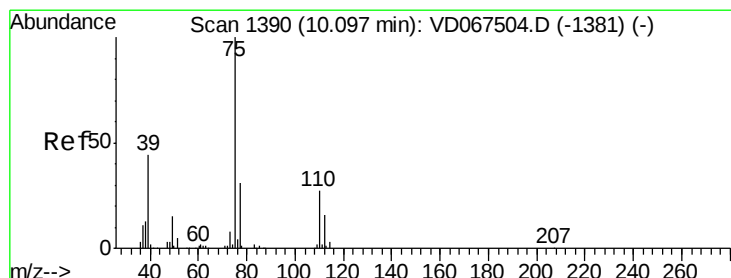
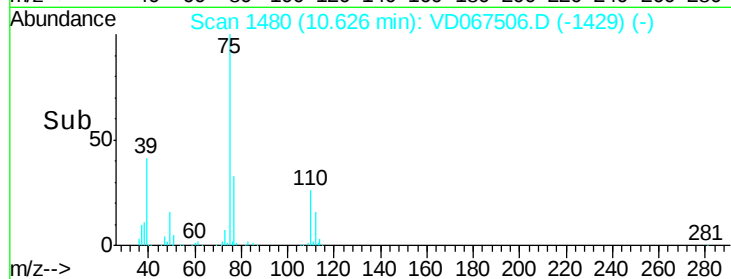
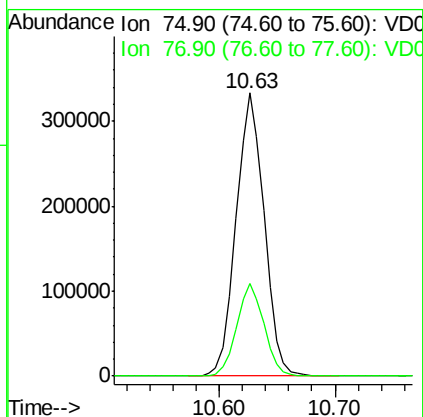
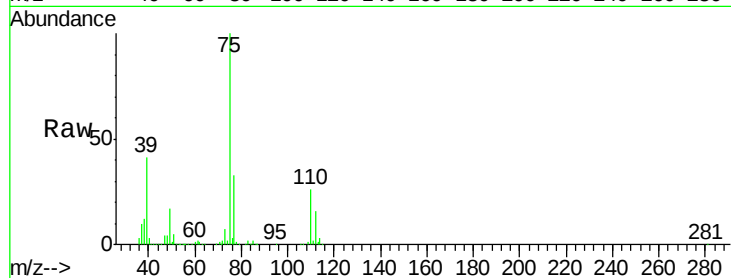
75 100

77 32.6 27.0 40.6

Manual Integrations  
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#54

cis-1,3-Dichloropropene

Concen: 145.641 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

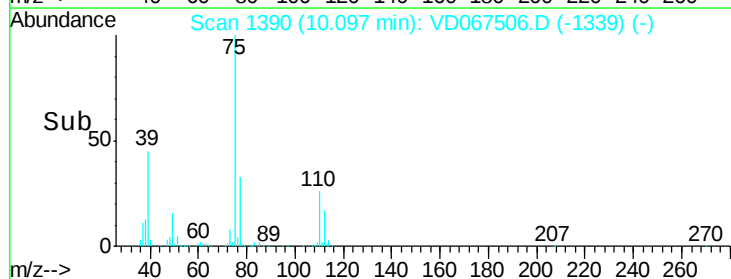
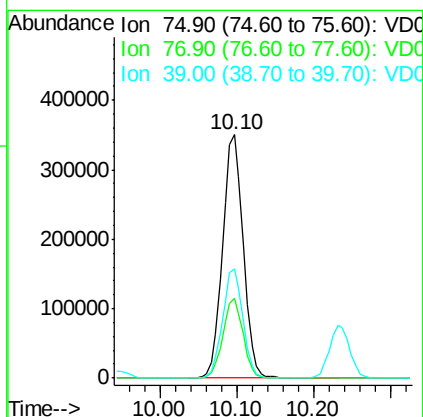
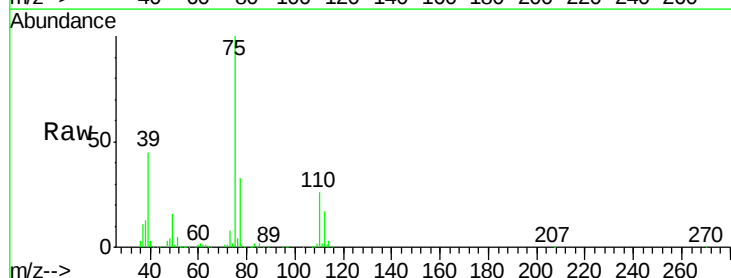
Tgt Ion: 75 Resp: 652146

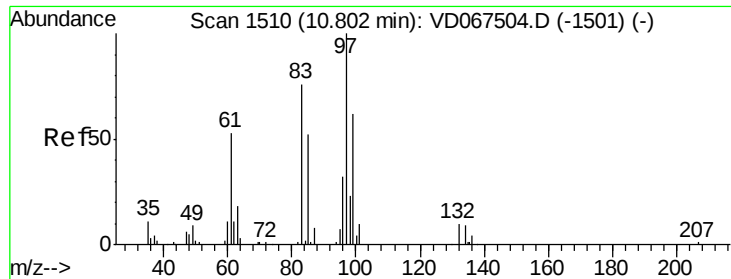
Ion Ratio Lower Upper

75 100

77 32.8 24.4 36.6

39 44.5 35.6 53.4





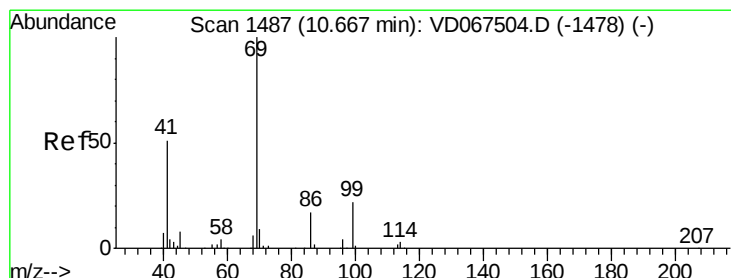
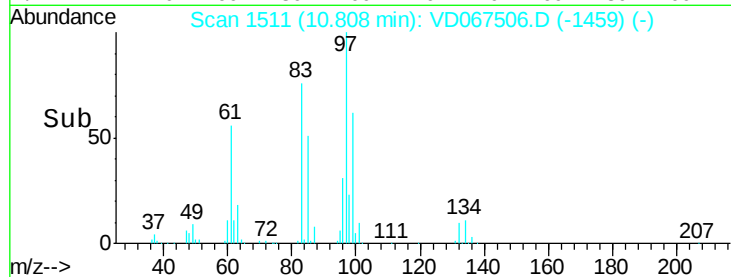
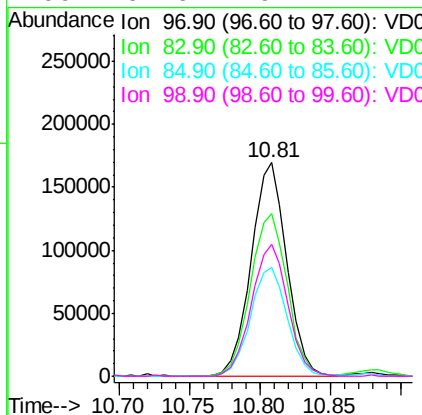
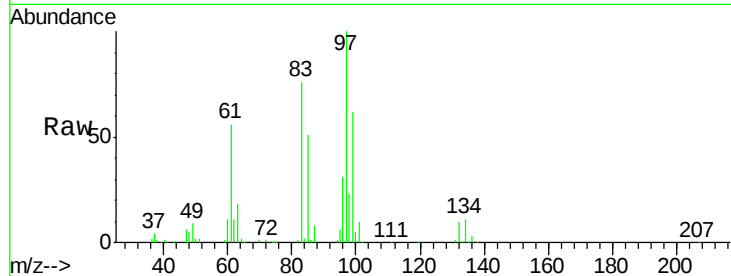
#55  
 1,1,2-Trichloroethane  
 Concen: 140.145 ug/l  
 RT: 10.81 min Scan# 1511  
 Delta R.T. 0.01 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 300210 |       |       |
| 83      | 76.4 | 61.0  | 91.6   |       |       |
| 85      | 50.8 | 41.5  | 62.3   |       |       |
| 99      | 61.6 | 49.4  | 74.2   |       |       |

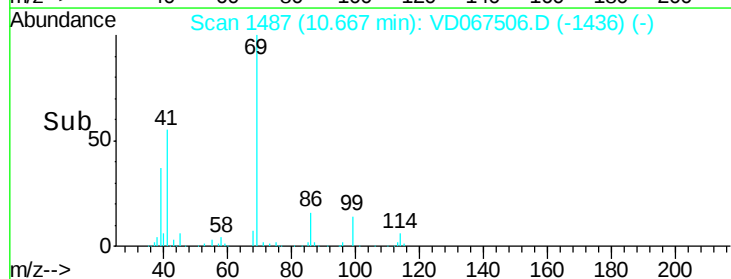
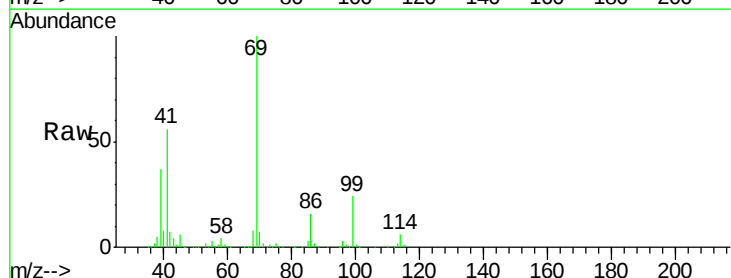
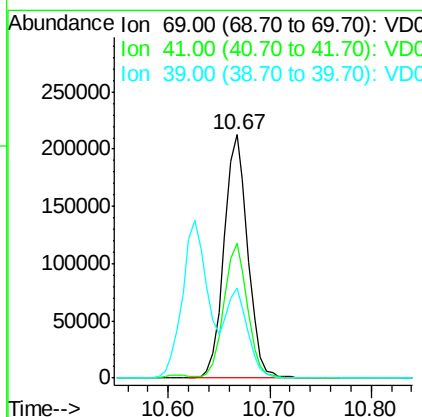
Manual Integrations  
 APPROVED

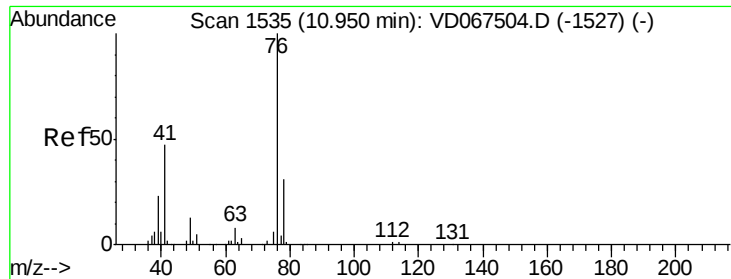
MMDadoda  
 11/4/2020 10:43:29 AM



#56  
 Ethyl methacrylate  
 Concen: 155.490 ug/l  
 RT: 10.67 min Scan# 1487  
 Delta R.T. 0.00 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 343961 |       |       |
| 41      | 55.1 | 45.4  | 68.0   |       |       |
| 39      | 34.0 | 27.4  | 41.0   |       |       |





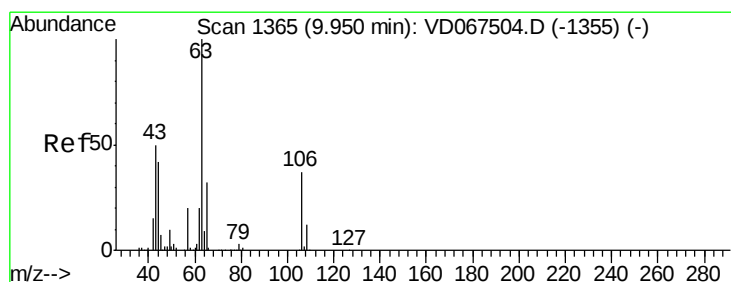
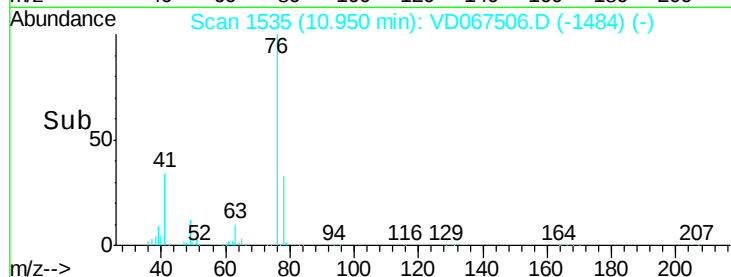
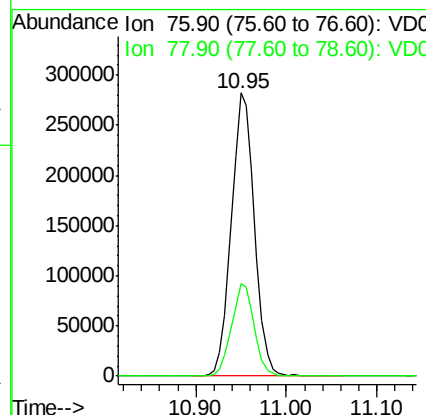
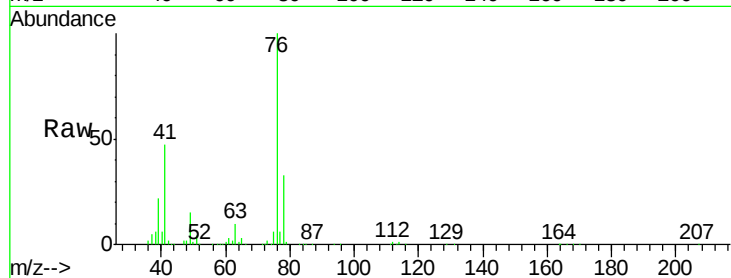
#57  
 1,3-Dichloropropane  
 Concen: 144.322 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. 0.00 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.3  | 26.1  | 39.1  |

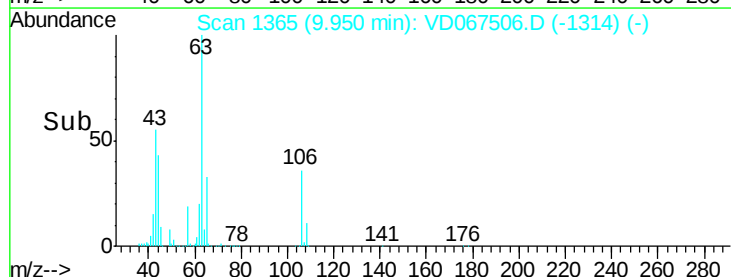
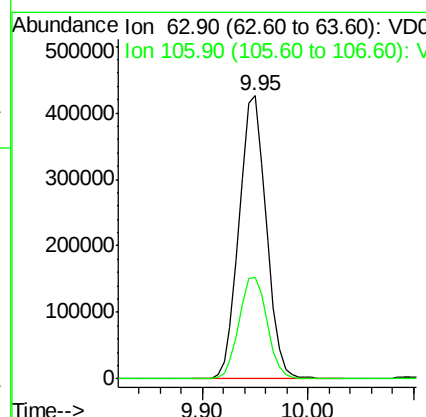
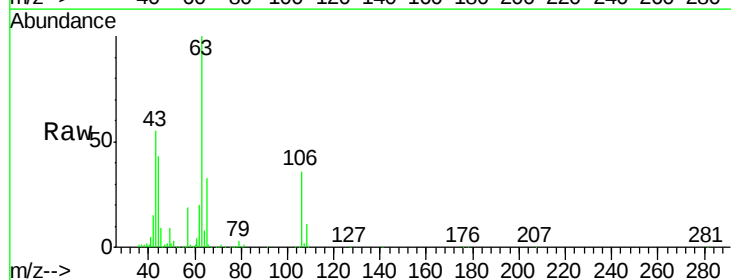
Manual Integrations  
 APPROVED

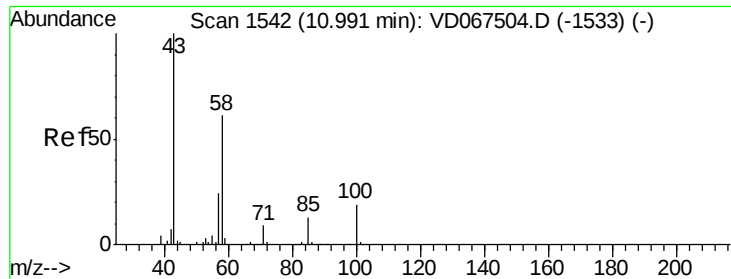
MMDadoda  
 11/4/2020 10:43:29 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 734.807 ug/l  
 RT: 9.95 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 37.2  | 29.2  | 43.8  |





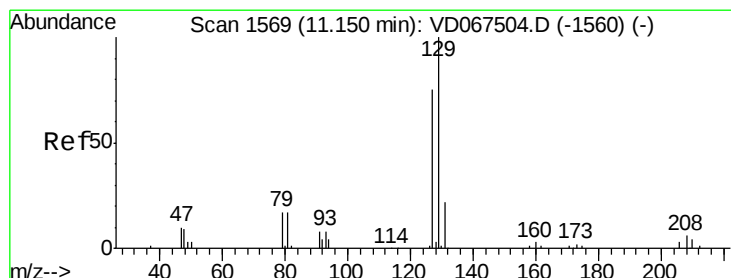
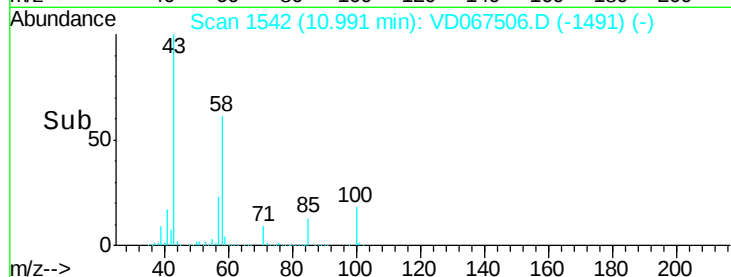
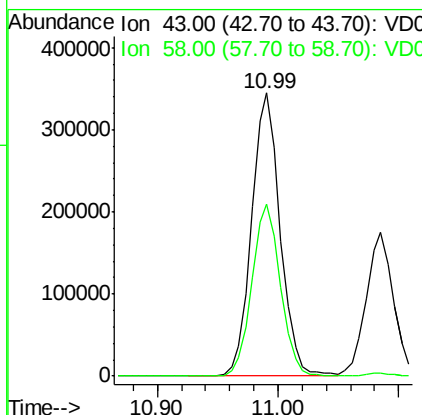
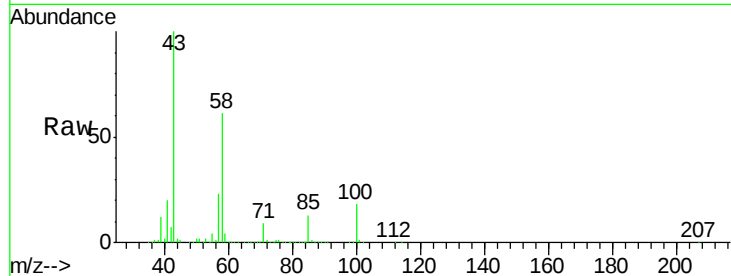
#59  
2-Hexanone  
Concen: 760.624 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion   | 43 | Resp | 567794 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 60.4 | 30.3   |
| Upper     |    |      | 90.9   |

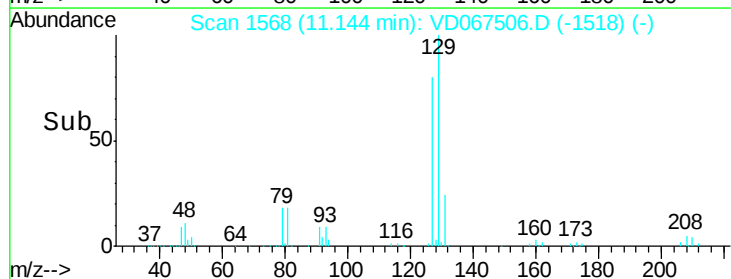
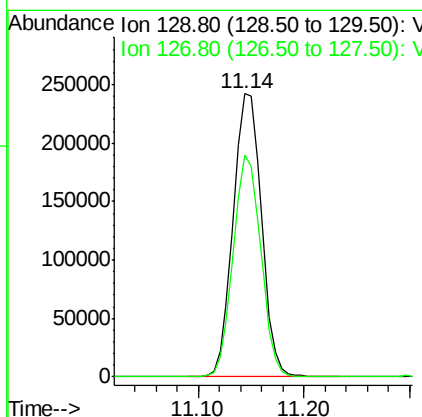
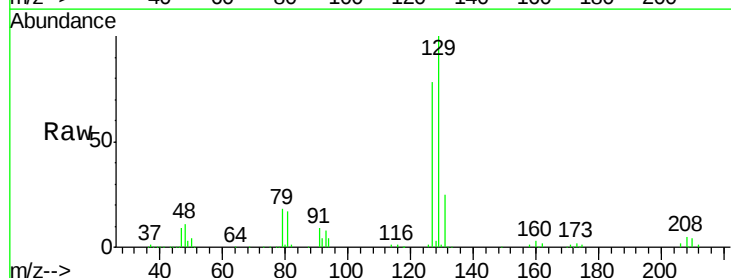
Manual Integrations  
APPROVED

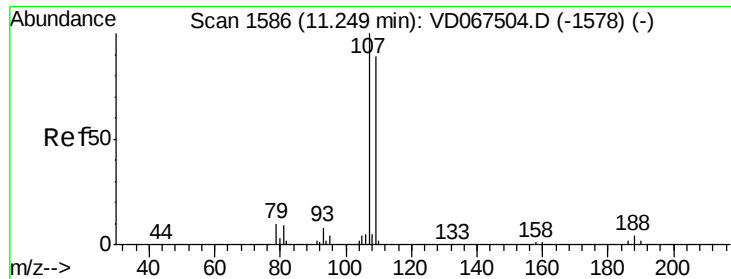
MMDadoda  
11/4/2020 10:43:29 AM



#60  
Dibromochloromethane  
Concen: 141.683 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. -0.01 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

| Tgt Ion   | 129 | Resp | 448963 |
|-----------|-----|------|--------|
| Ion Ratio | 129 | 100  |        |
| Lower     | 127 | 76.5 | 38.0   |
| Upper     |     |      | 114.1  |





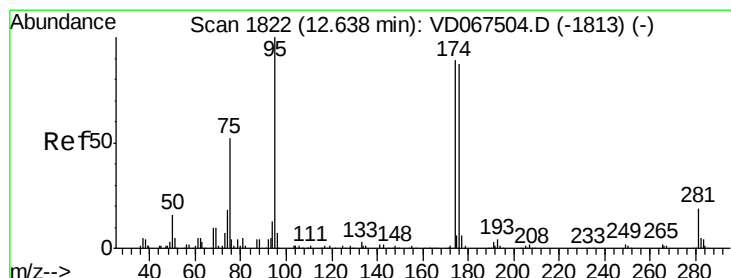
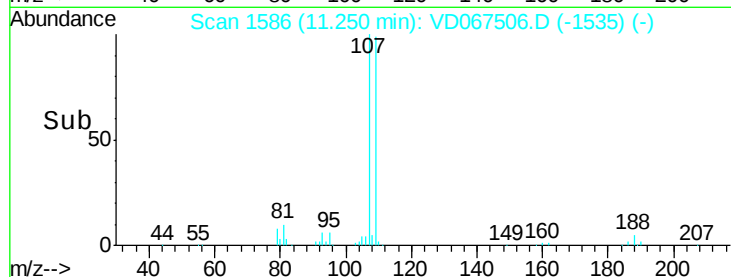
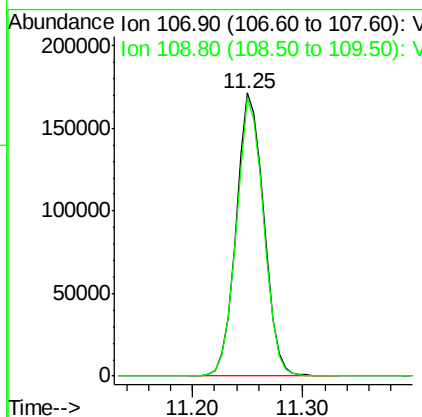
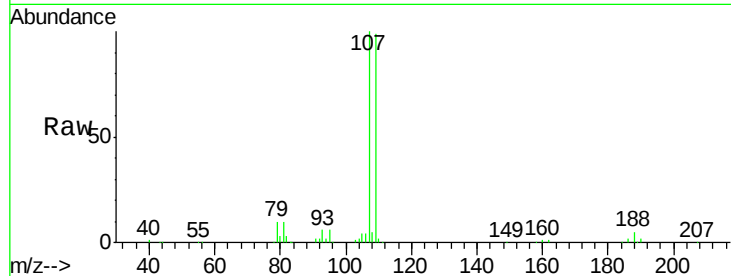
#61  
 1,2-Dibromoethane  
 Concen: 140.421 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. 0.00 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 301896 |       |       |
| 109     | 97.0  | 74.6   | 111.8 |       |

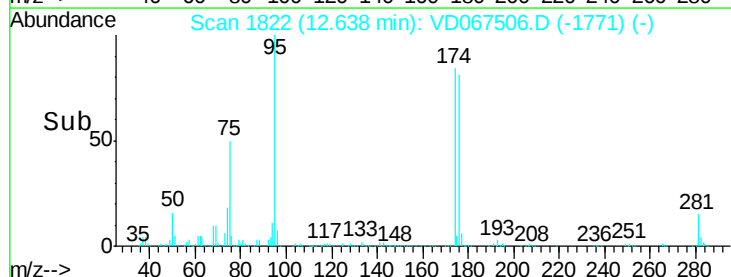
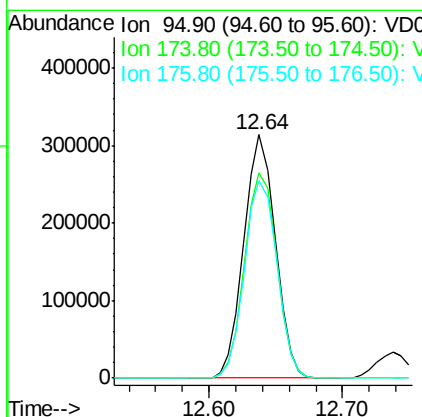
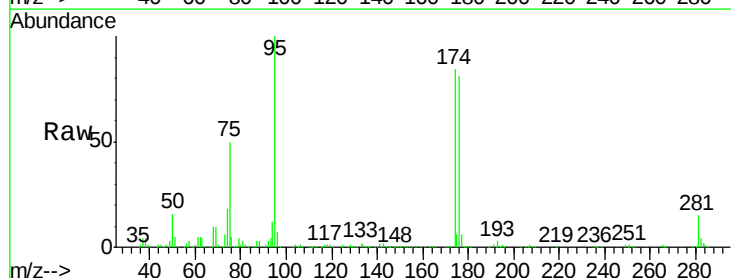
Manual Integrations  
 APPROVED

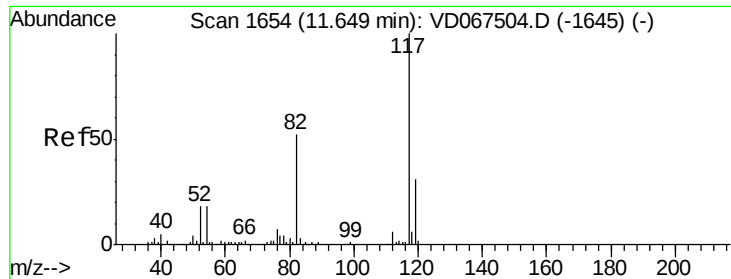
MMDadoda  
 11/4/2020 10:43:29 AM



#62  
 4-Bromofluorobenzene  
 Concen: 138.071 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. 0.00 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 512646 |       |       |
| 174     | 86.5  | 0.0    | 177.8 |       |
| 176     | 83.7  | 0.0    | 172.0 |       |





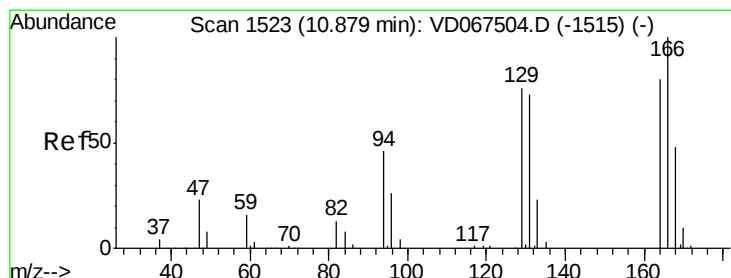
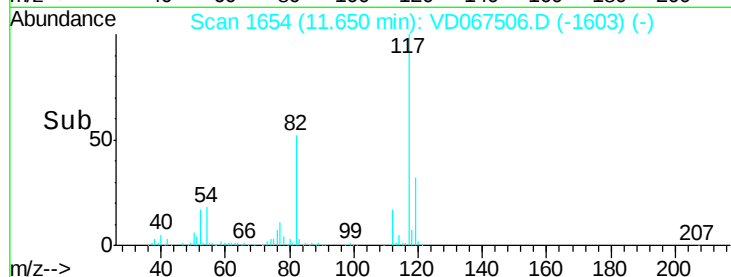
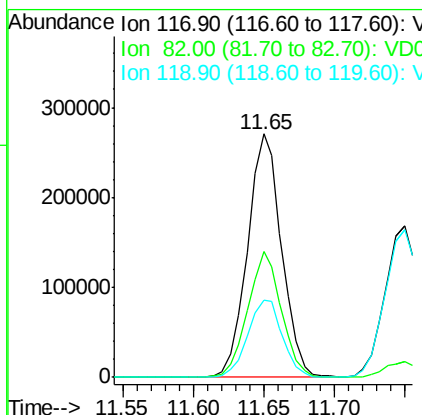
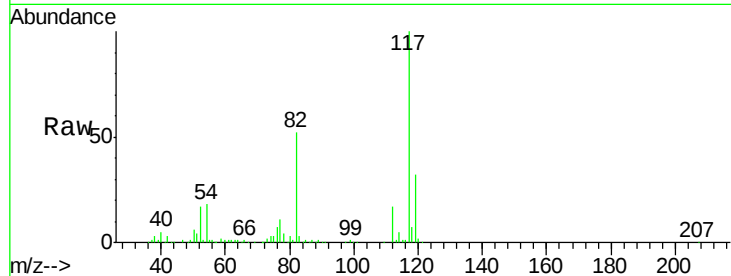
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.7  | 41.6  | 62.4  |
| 119     | 31.9  | 25.1  | 37.7  |

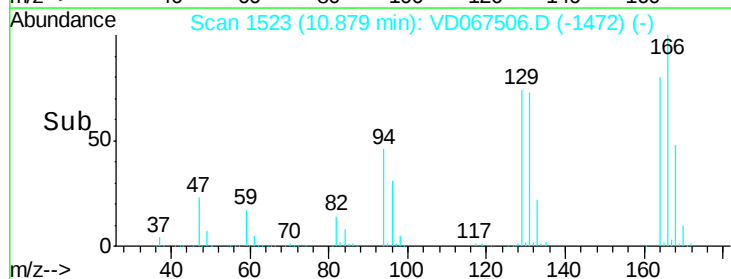
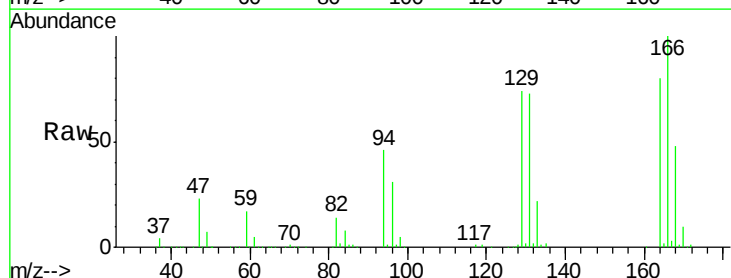
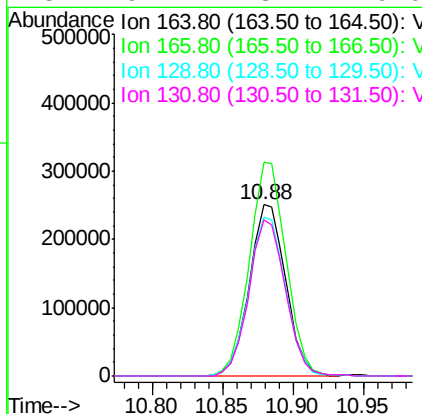
Manual Integrations  
APPROVED

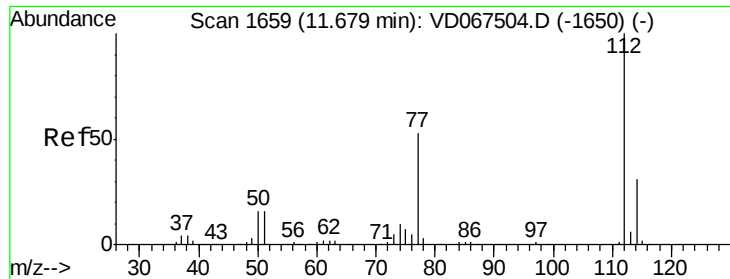
MMDadoda  
11/4/2020 10:43:29 AM



#64  
Tetrachloroethene  
Concen: 134.469 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 124.6 | 99.9  | 149.9 |
| 129     | 92.7  | 75.5  | 113.3 |
| 131     | 91.1  | 73.4  | 110.0 |





#65

Chlorobenzene

Concen: 138.992 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1225171

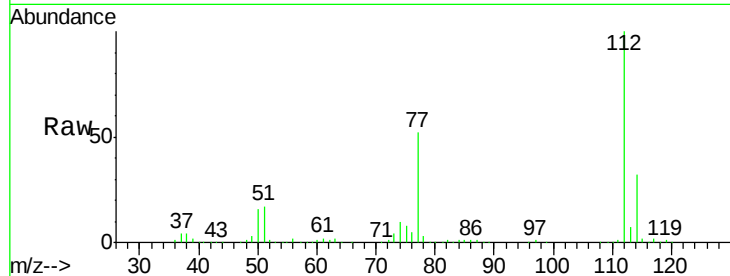
Ion Ratio Lower Upper

112 100

114 32.0 24.9 37.3

Manual Integrations  
APPROVED

MMDadoda  
11/4/2020 10:43:29 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.68

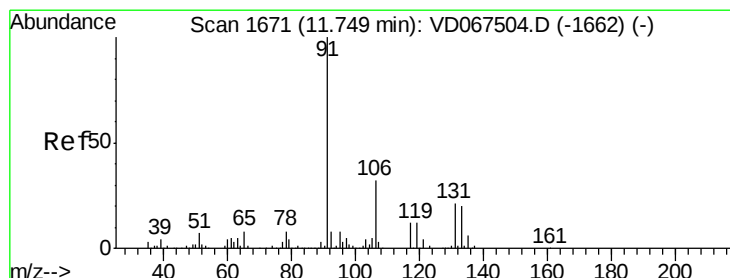
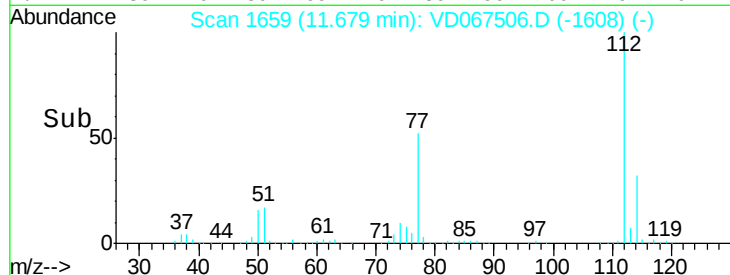
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 140.415 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

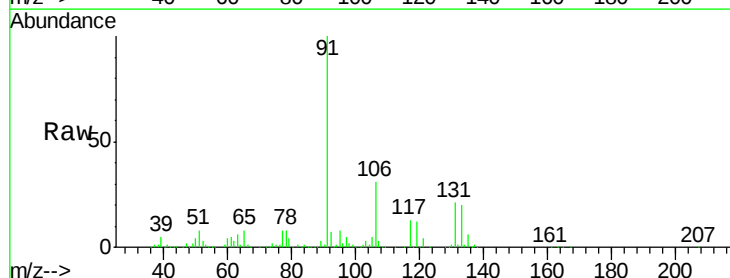
Tgt Ion:131 Resp: 487824

Ion Ratio Lower Upper

131 100

133 94.7 48.0 144.0

119 59.4 30.1 90.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.75

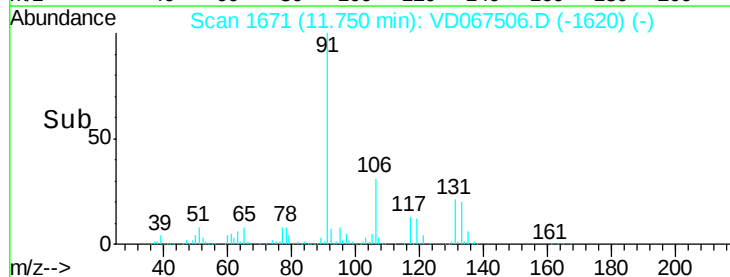
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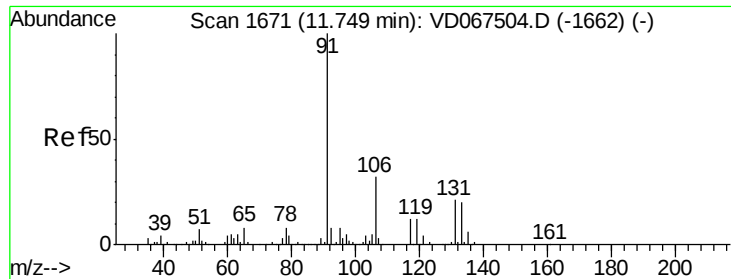
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100000

0

Time-->





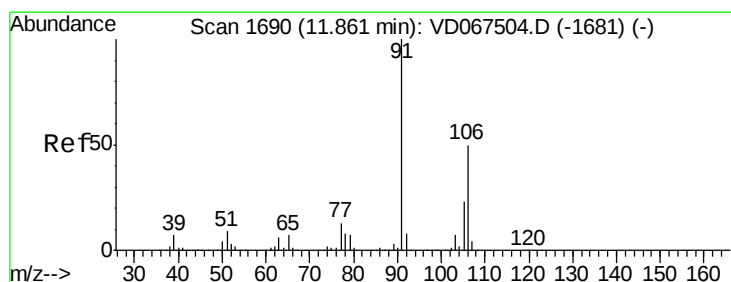
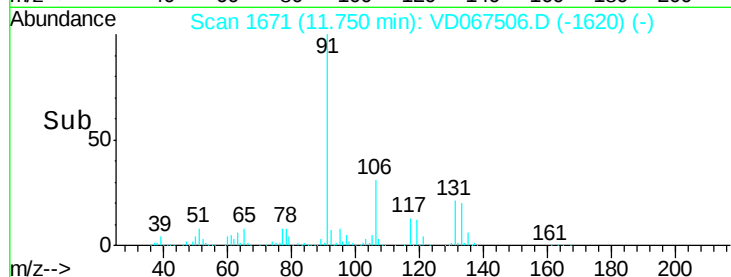
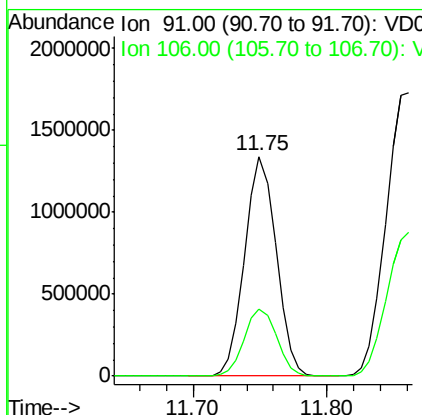
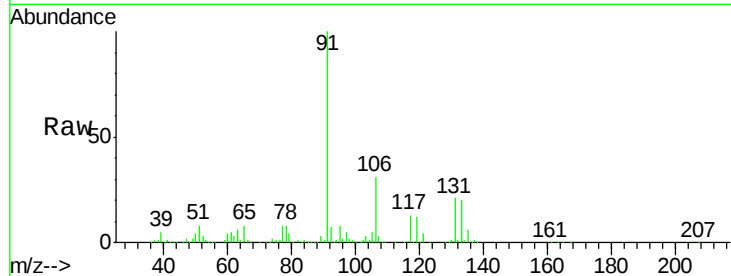
#67  
Ethyl Benzene  
Concen: 145.416 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion: 91 Resp: 2193398  
Ion Ratio Lower Upper  
91 100  
106 30.7 25.7 38.5

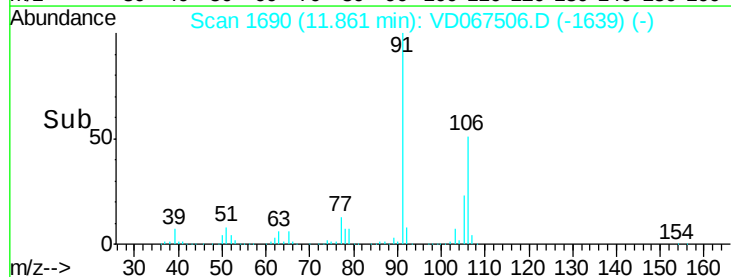
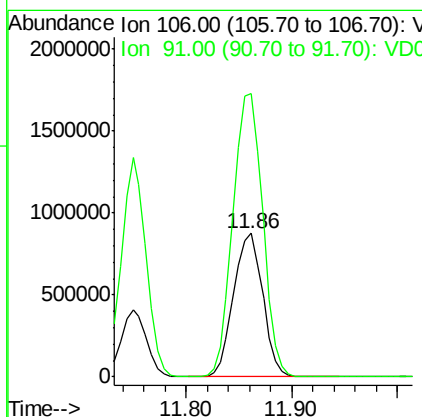
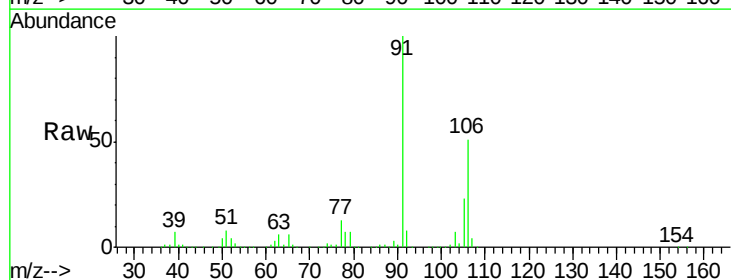
Manual Integrations  
APPROVED

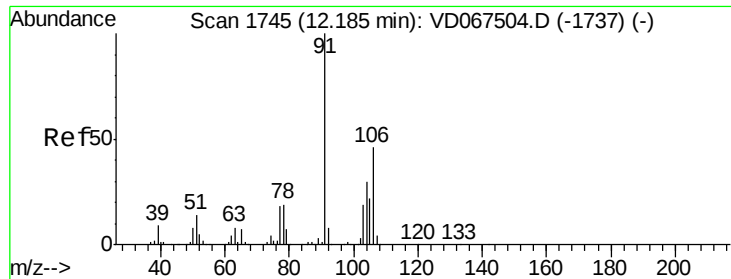
MMDadoda  
11/4/2020 10:43:29 AM



#68  
m/p-Xylenes  
Concen: 284.768 ug/l  
RT: 11.86 min Scan# 1690  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Tgt Ion: 106 Resp: 1671075  
Ion Ratio Lower Upper  
106 100  
91 201.9 162.6 244.0





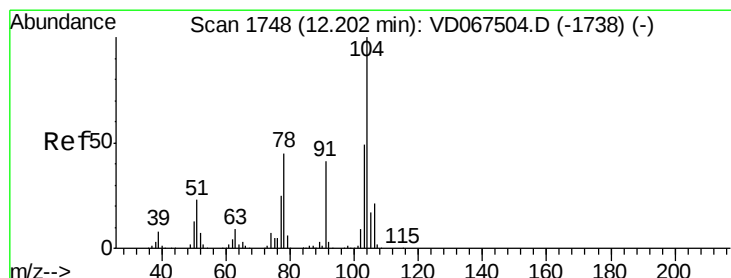
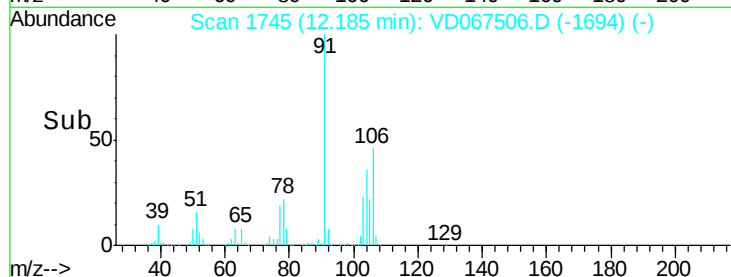
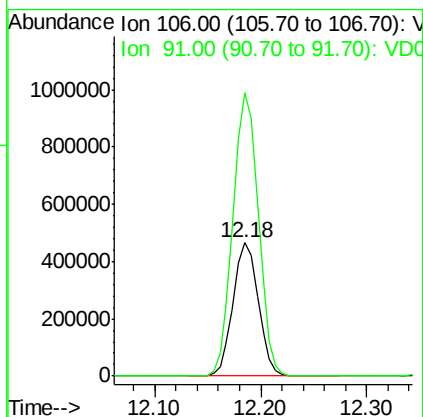
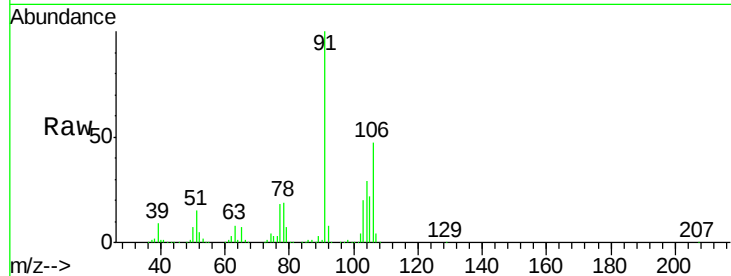
#69  
o-Xylene  
Concen: 146.871 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 769495 |       |       |
| 91      | 213.2 | 107.1 | 321.1  |       |       |

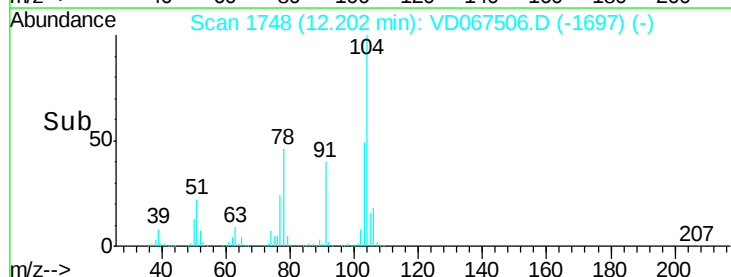
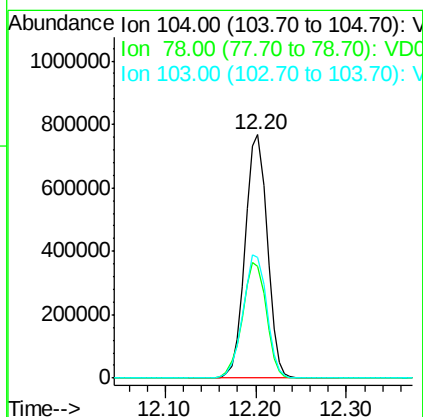
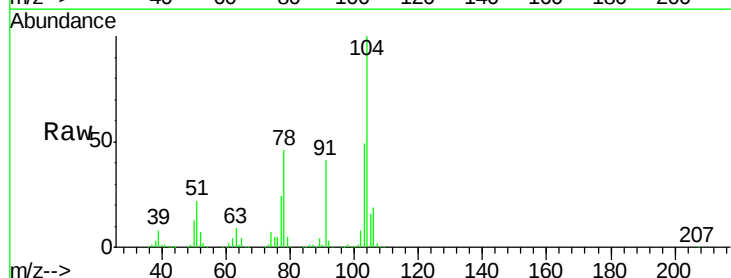
Manual Integrations  
APPROVED

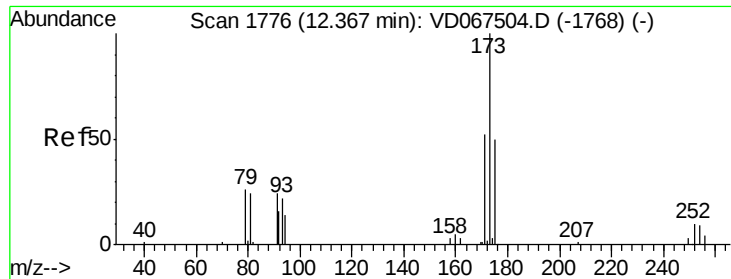
MMDadoda  
11/4/2020 10:43:29 AM



#70  
Styrene  
Concen: 142.670 ug/l  
RT: 12.20 min Scan# 1748  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 104     | 100  |       | 1302510 |       |       |
| 78      | 51.3 | 39.8  | 59.8    |       |       |
| 103     | 54.1 | 43.9  | 65.9    |       |       |





#71

Bromoform

Concen: 144.520 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

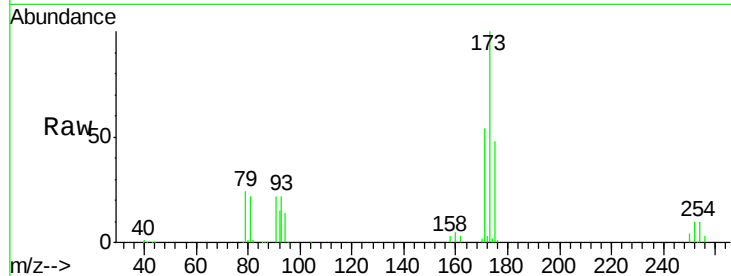
ClientSampleId :

VSTDIC150

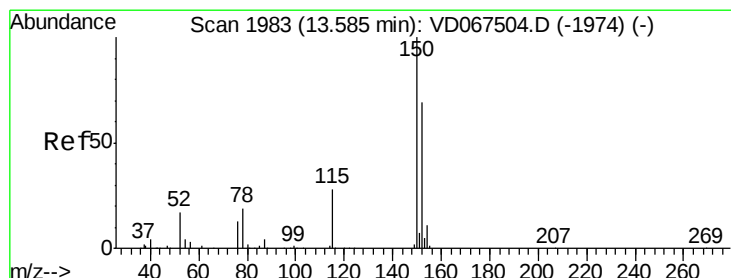
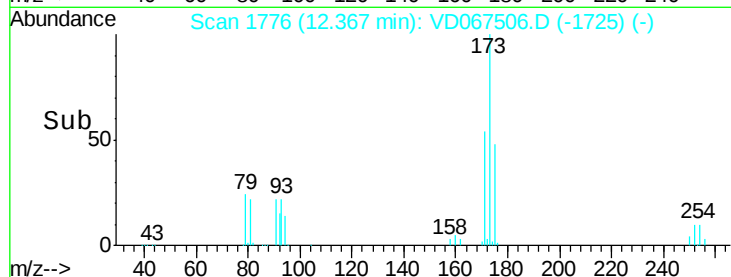
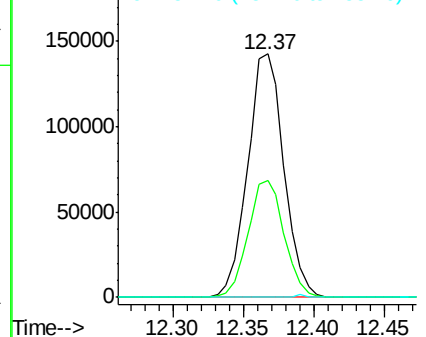
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 256067 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 47.9  | 24.1  | 72.2   |
| 254       | 0.0   | 0.0   | 0.0    |

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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

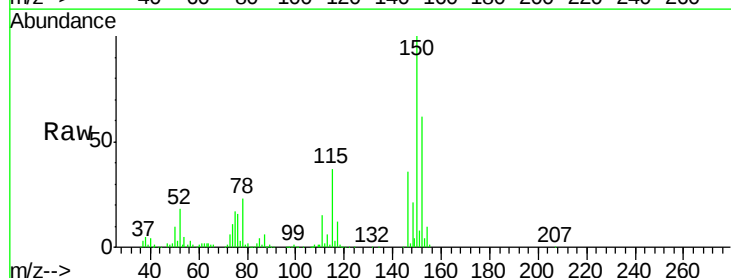
RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

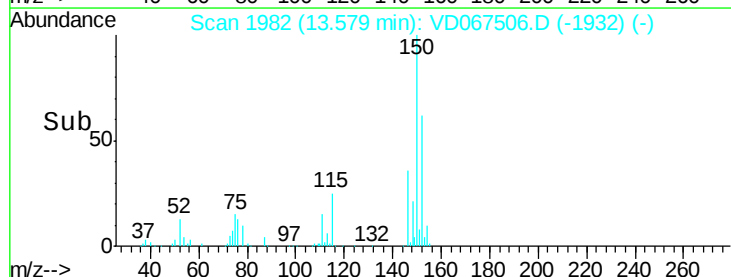
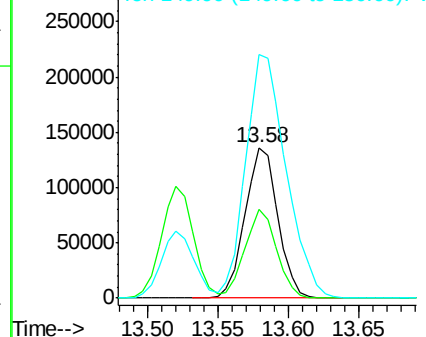
Lab File: VD067506.D

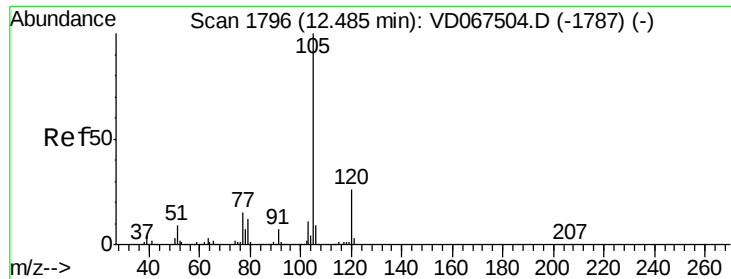
Acq: 03 Nov 2020 12:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 221291 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 57.5  | 29.3  | 88.0   |
| 150       | 200.2 | 0.0   | 338.2  |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





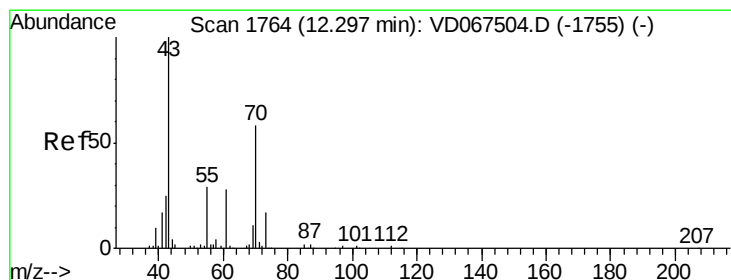
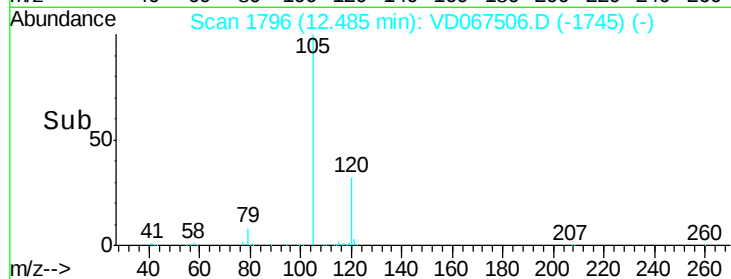
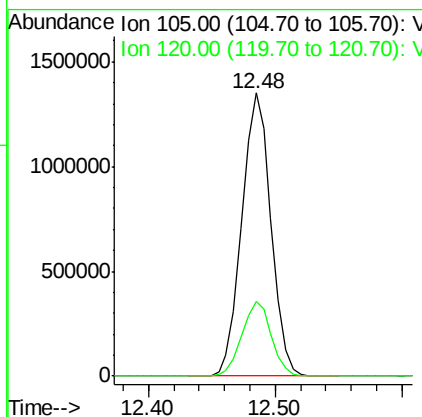
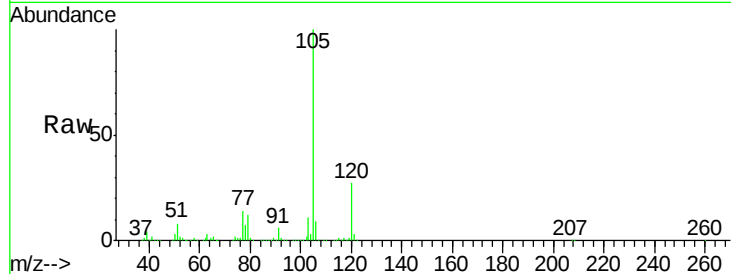
#73  
Isopropylbenzene  
Concen: 150.146 ug/l  
RT: 12.48 min Scan# 1796  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion:105 Resp: 2147344  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.2 39.6

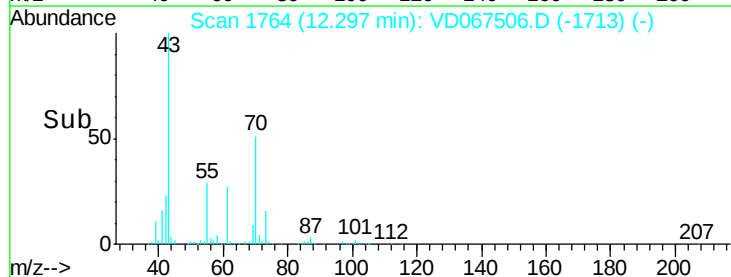
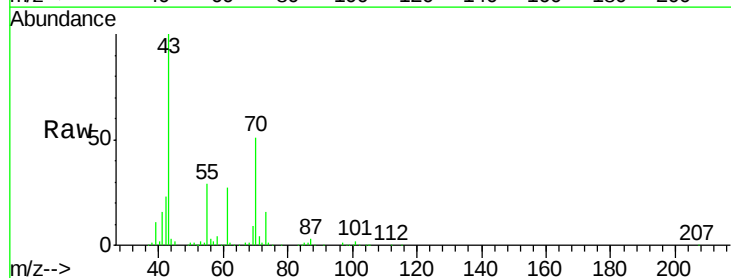
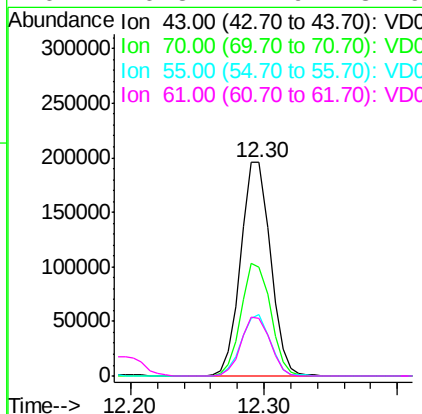
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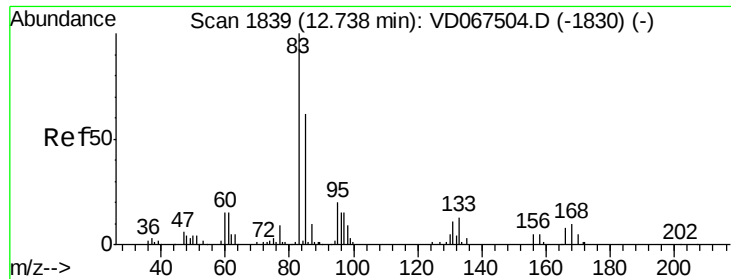
MMDadoda  
11/4/2020 10:43:29 AM



#74  
N-ethyl acetate  
Concen: 161.062 ug/l  
RT: 12.30 min Scan# 1764  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Tgt Ion: 43 Resp: 303097  
Ion Ratio Lower Upper  
43 100  
70 52.1 42.6 64.0  
55 27.9 23.7 35.5  
61 26.8 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 144.034 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

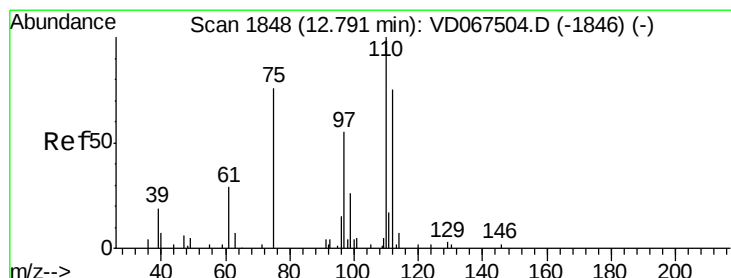
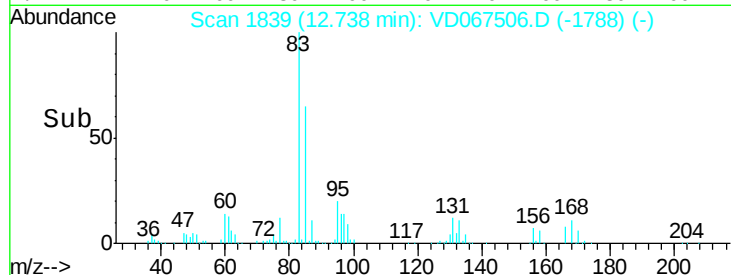
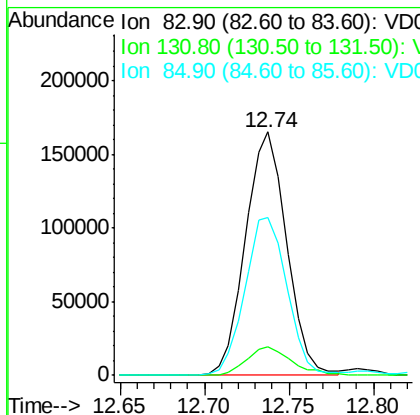
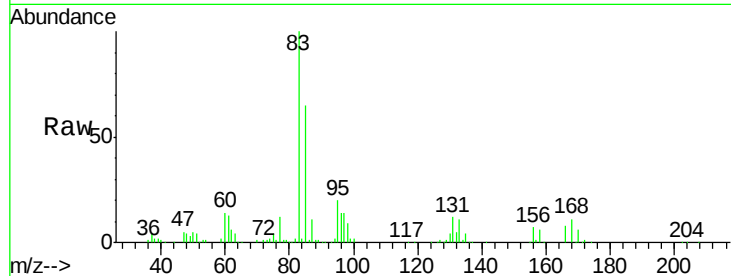
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 280893 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 12.9  | 7.1   | 21.3   |
| 85        | 66.3  | 32.9  | 98.7   |

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#76

1,2,3-Trichloropropane

Concen: 158.391 ug/l m

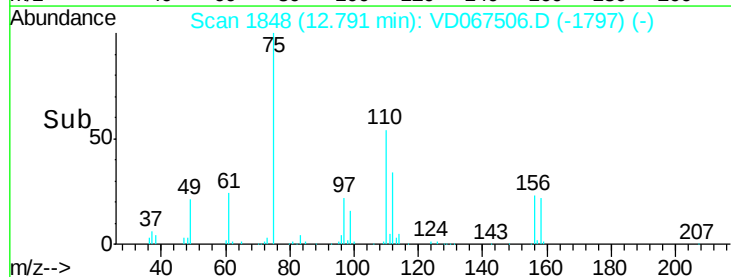
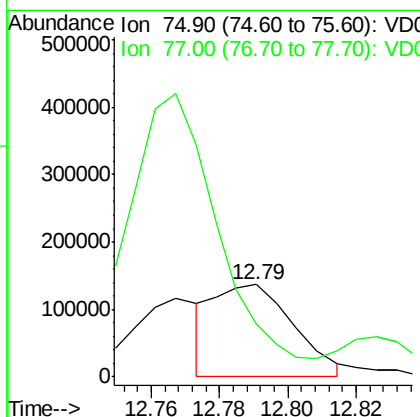
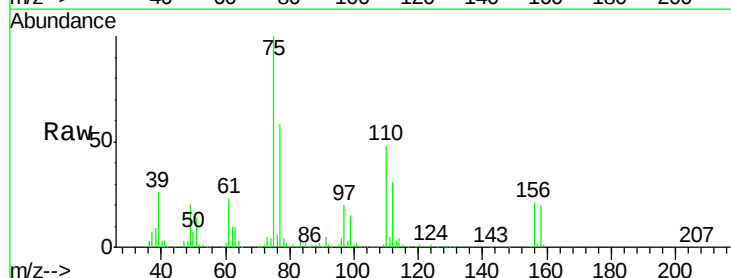
RT: 12.79 min Scan# 1848

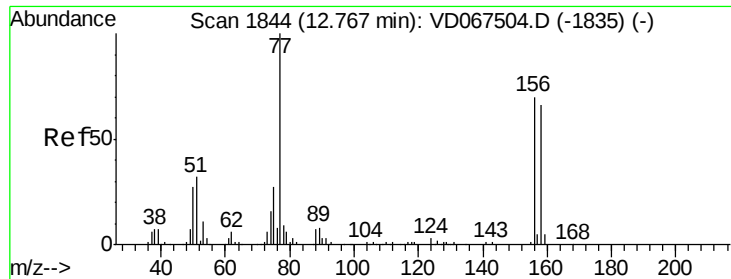
Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 221035 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 145.944 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

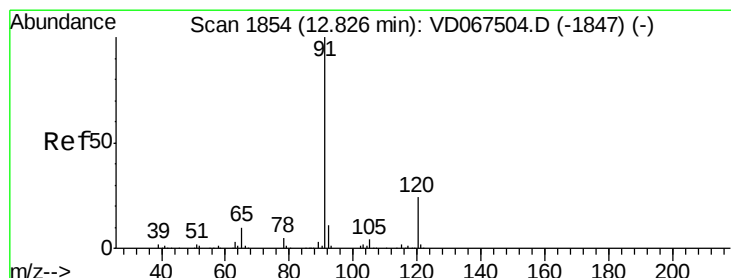
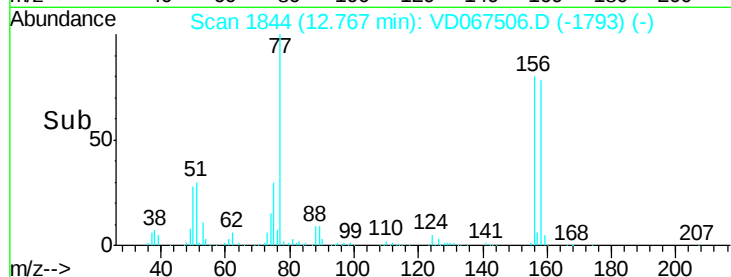
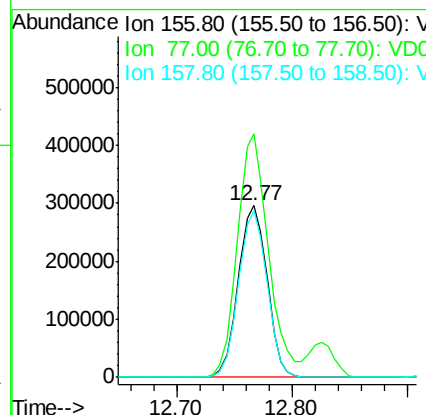
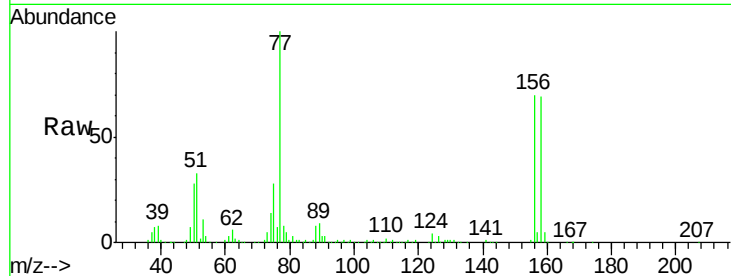
ClientSampleId :

VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 153.9 | 77.8  | 233.5 |
| 158     | 95.7  | 47.9  | 143.7 |

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#78

n-propylbenzene

Concen: 147.436 ug/l

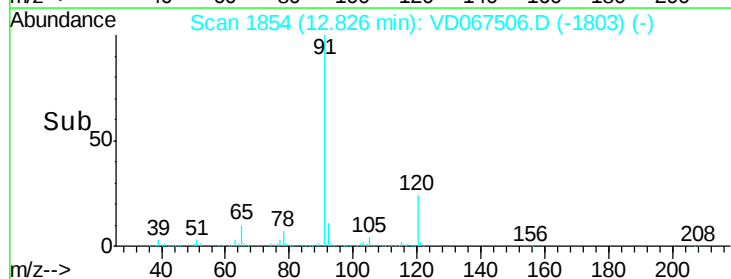
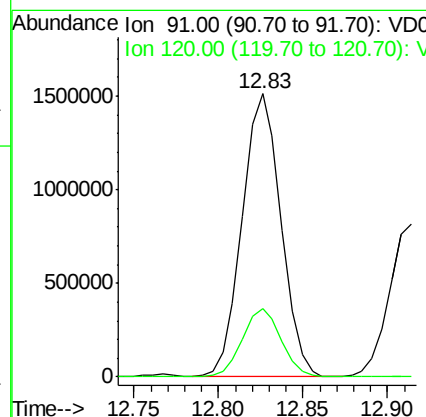
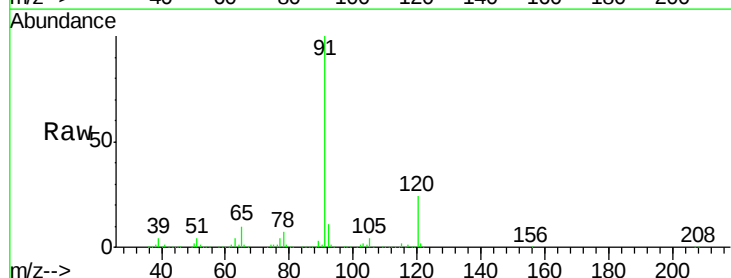
RT: 12.83 min Scan# 1854

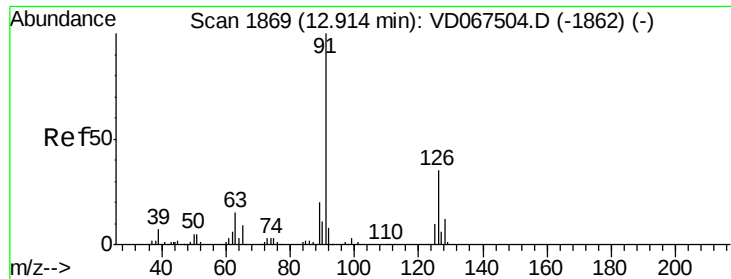
Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 24.1  | 12.2  | 36.4  |





#79

2-Chlorotoluene

Concen: 148.337 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1378411

Ion Ratio Lower Upper

91 100

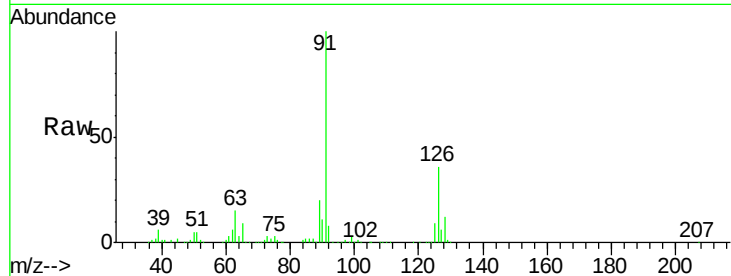
126 36.0 17.8 53.4

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Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067504.D (-1862) (-)

12.91

800000

600000

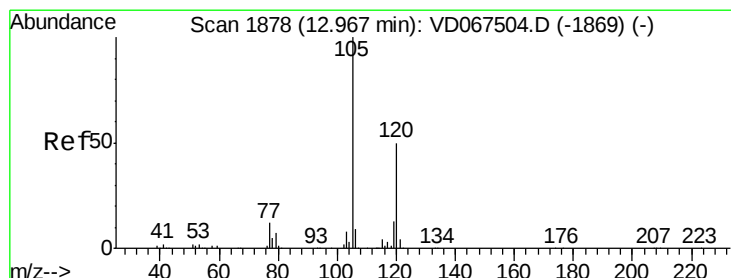
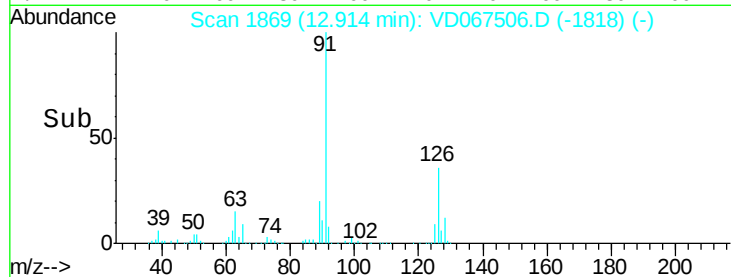
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 148.979 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067506.D

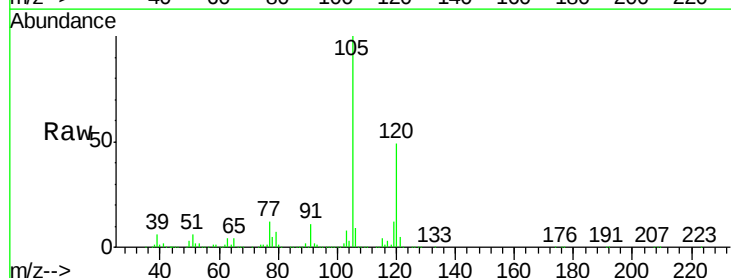
Acq: 03 Nov 2020 12:30

Tgt Ion: 105 Resp: 1820104

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD067504.D (-1869) (-)

12.97

1200000

1000000

800000

600000

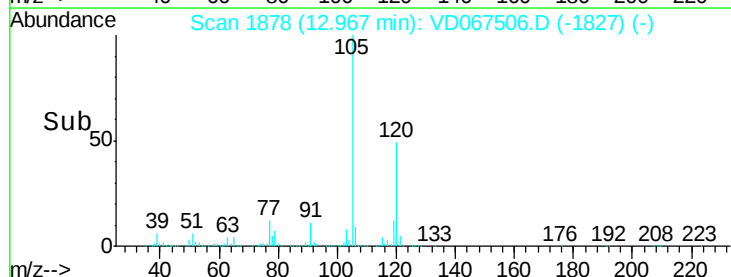
400000

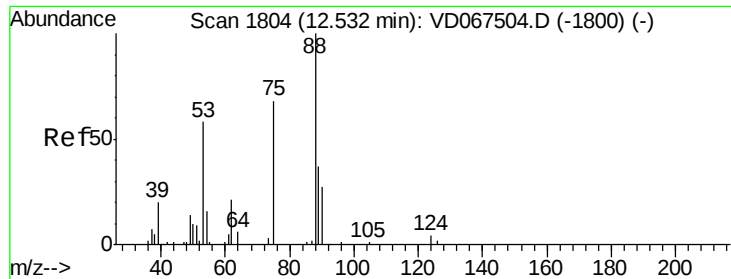
200000

0

12.90 13.00

Time-->





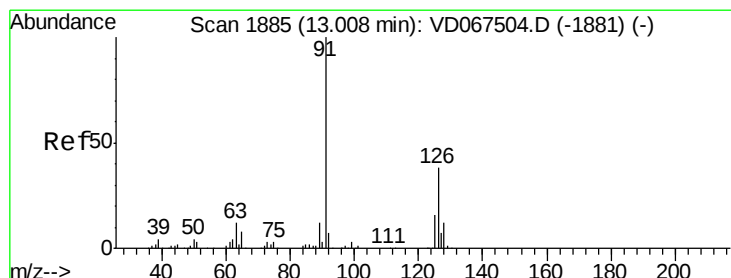
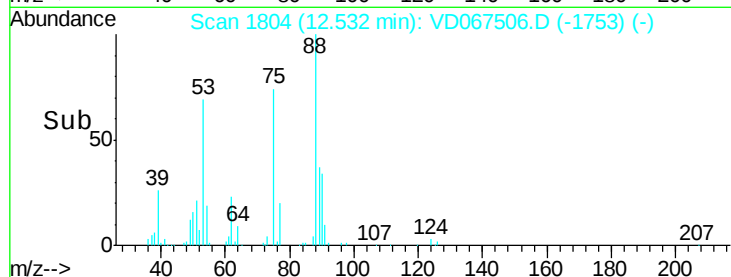
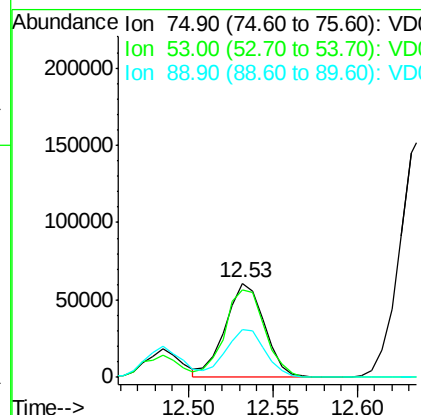
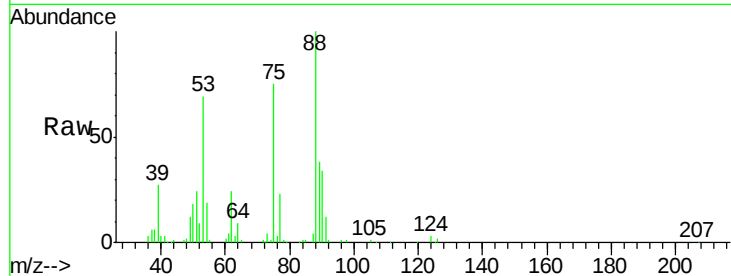
#81  
trans-1,4-Dichloro-2-butene  
Concen: 148.526 ug/l  
RT: 12.53 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 96.1  | 75.9  | 113.9 |
| 89      | 51.2  | 44.6  | 67.0  |

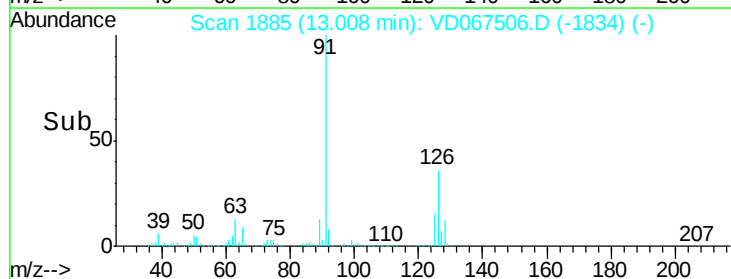
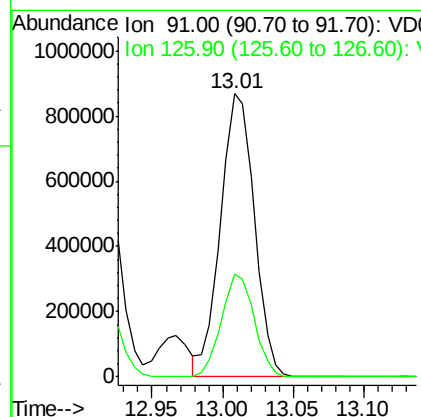
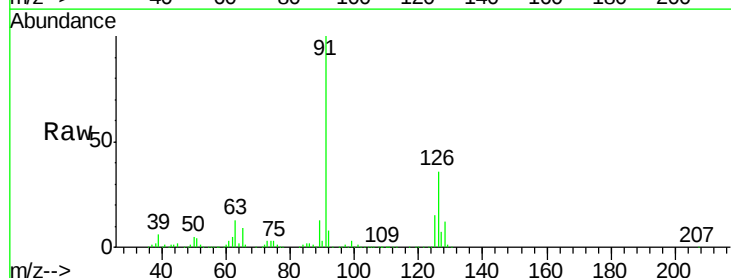
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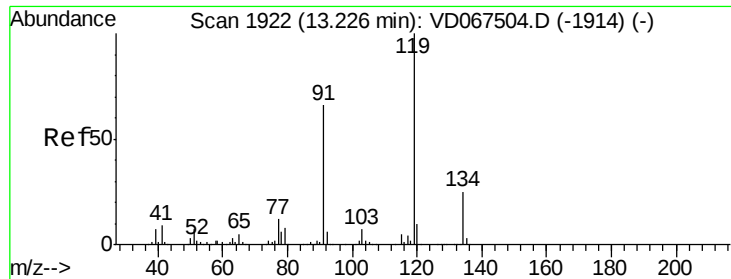
MMDadoda  
11/4/2020 10:43:29 AM



#82  
4-Chlorotoluene  
Concen: 145.012 ug/l  
RT: 13.01 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.3  | 17.9  | 53.7  |





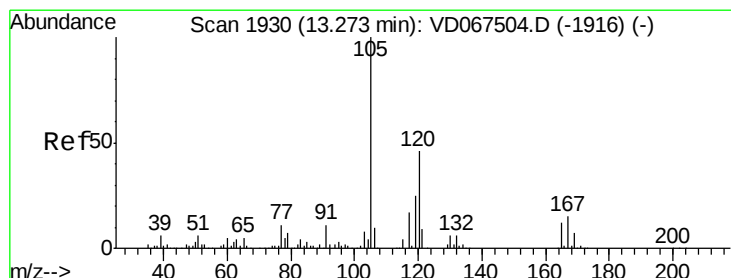
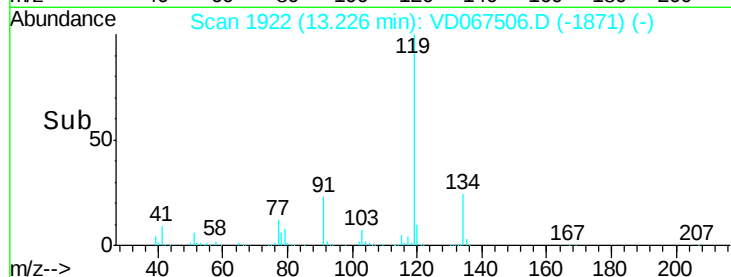
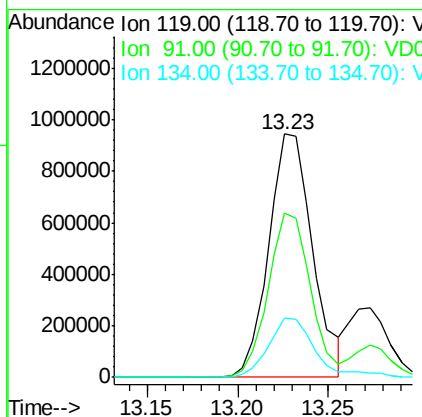
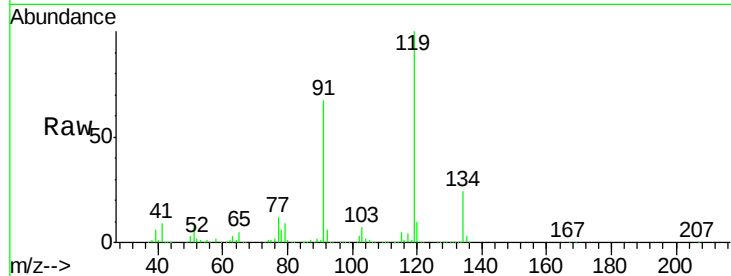
#83  
tert-Butylbenzene  
Concen: 153.967 ug/l  
RT: 13.23 min Scan# 1922  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

Tot Ion:119 Resp: 1594202  
Ion Ratio Lower Upper  
119 100  
91 65.0 32.7 98.1  
134 26.2 13.4 40.2

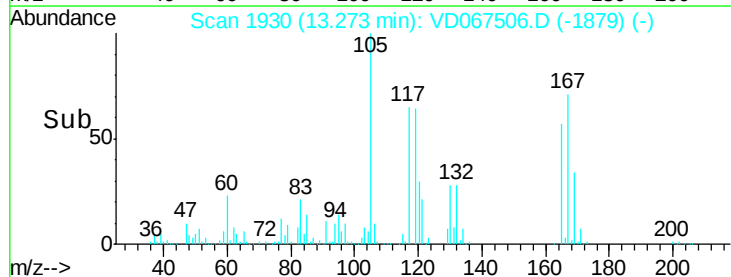
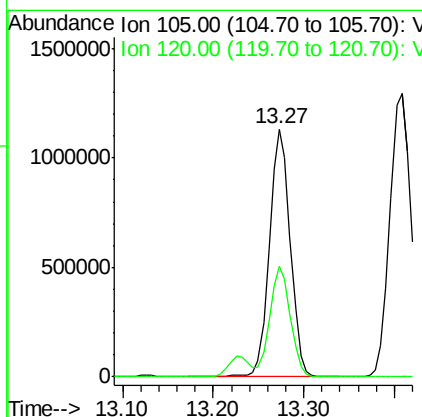
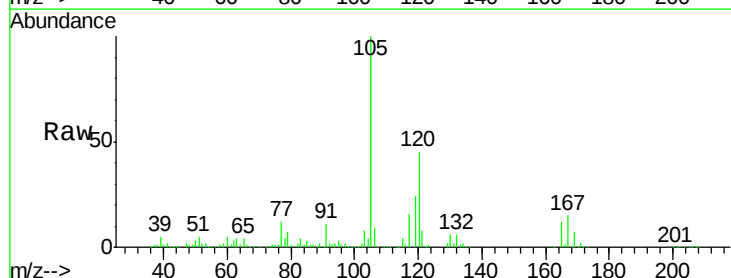
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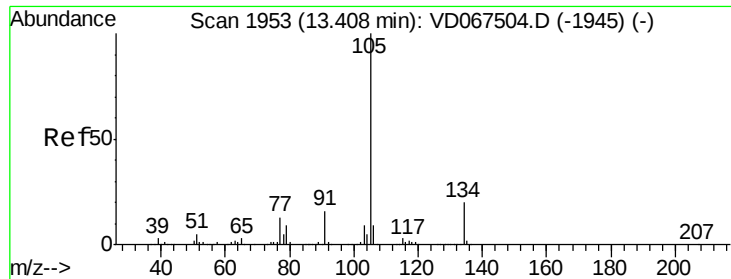
MMDadoda  
11/4/2020 10:43:29 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 148.592 ug/l  
RT: 13.27 min Scan# 1930  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Tgt Ion:105 Resp: 1807048  
Ion Ratio Lower Upper  
105 100  
120 44.4 22.1 66.1





#85

sec-Butylbenzene

Concen: 150.160 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2098871

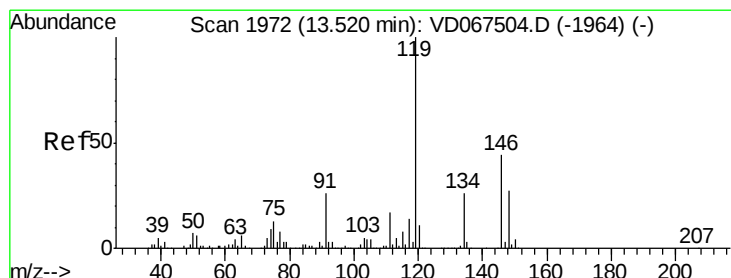
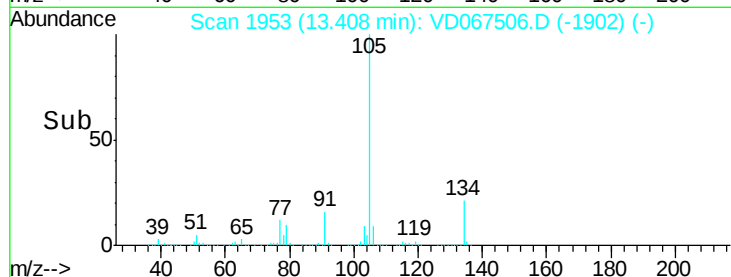
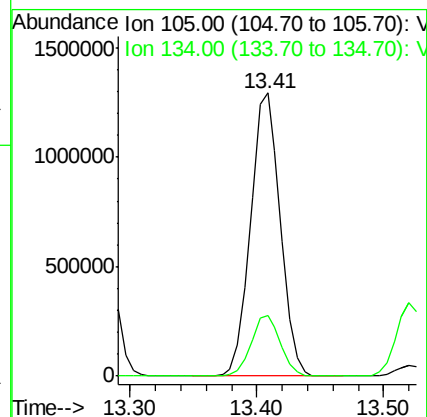
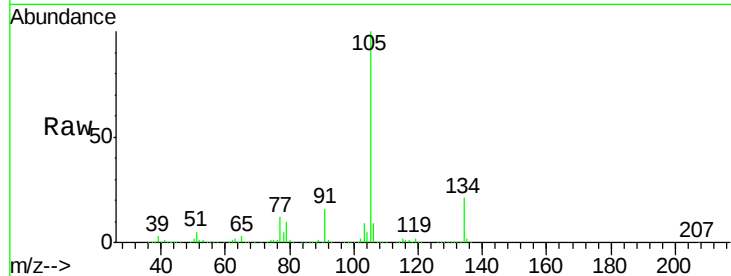
Ion Ratio Lower Upper

105 100

134 21.3 10.4 31.4

Manual Integrations  
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11/4/2020 10:43:29 AM



#86

p-Isopropyltoluene

Concen: 147.343 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

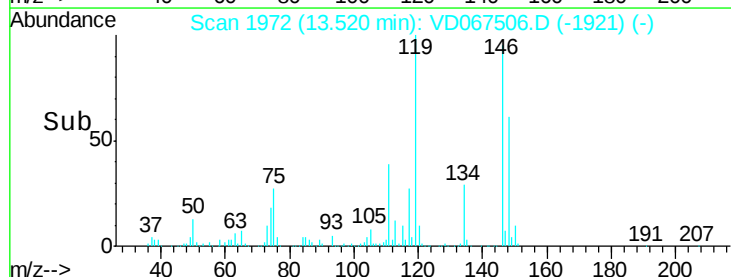
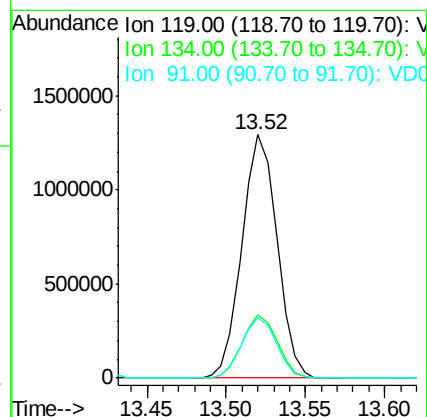
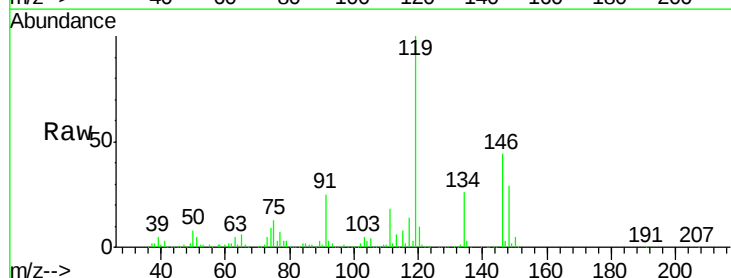
Tgt Ion:119 Resp: 1988804

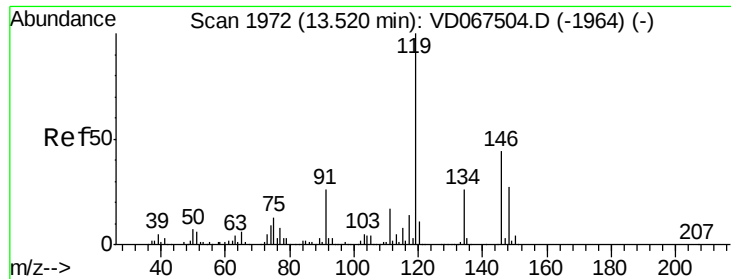
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 24.6 12.2 36.4





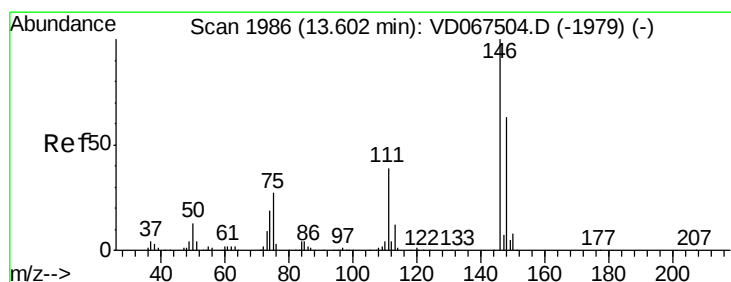
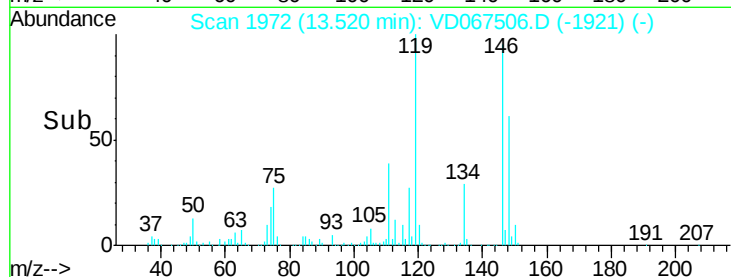
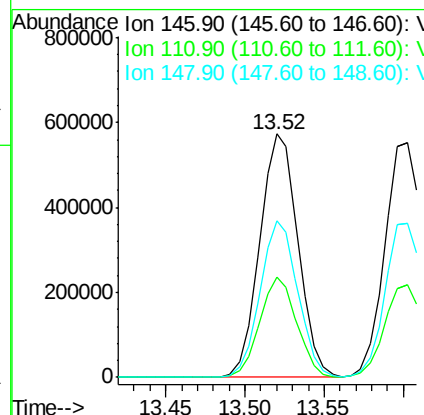
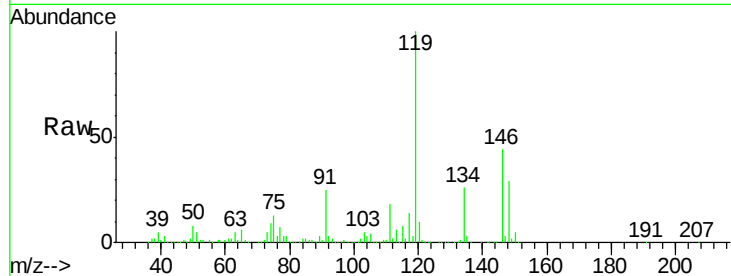
#87  
 1,3-Dichlorobenzene  
 Concen: 143.352 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. 0.00 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.9  | 20.3  | 60.8  |
| 148     | 63.3  | 31.9  | 95.9  |

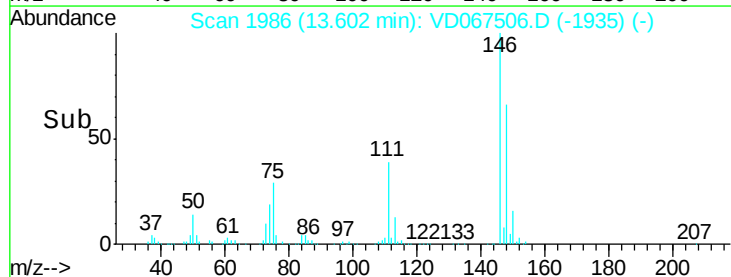
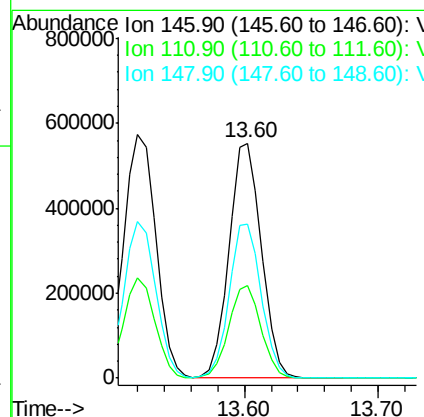
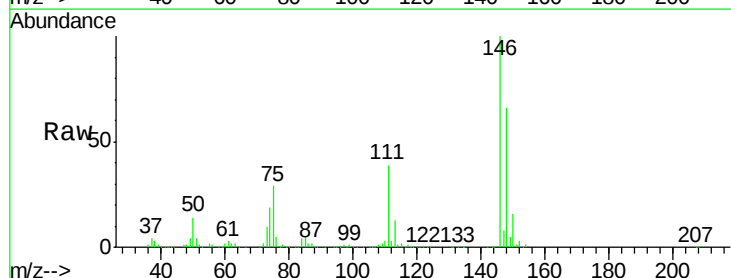
Manual Integrations  
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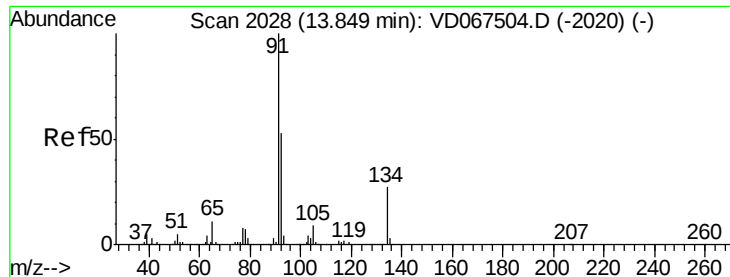
MMDadoda  
 11/4/2020 10:43:29 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 138.168 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 19.6  | 58.7  |
| 148     | 65.1  | 31.8  | 95.4  |





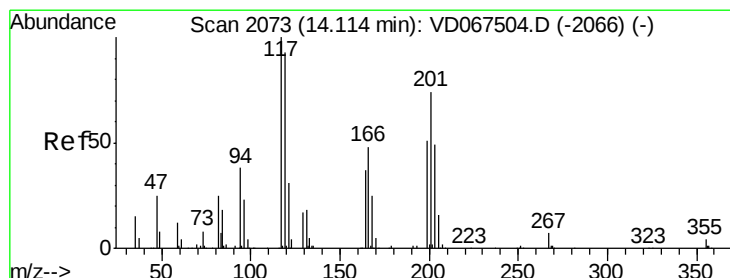
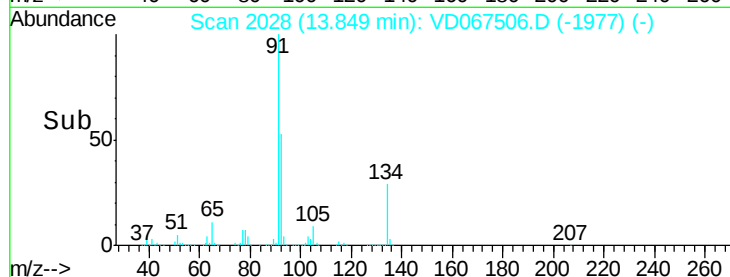
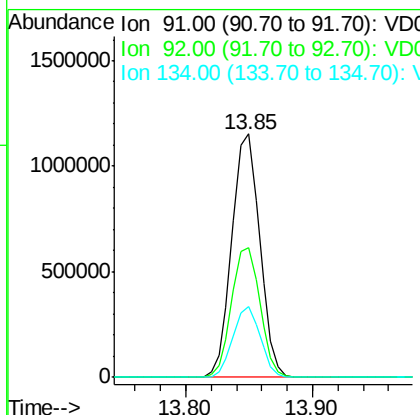
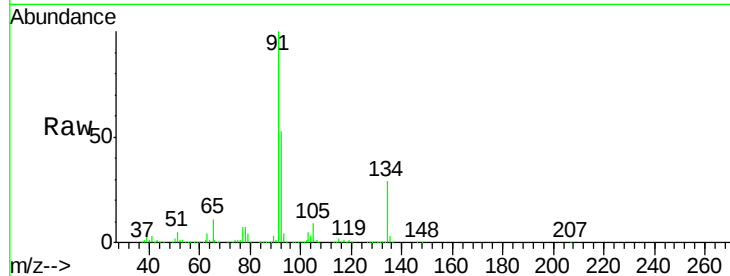
#89  
n-Butylbenzene  
Concen: 150.636 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. 0.00 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.3  | 26.6  | 79.8  |
| 134     | 28.7  | 14.1  | 42.2  |

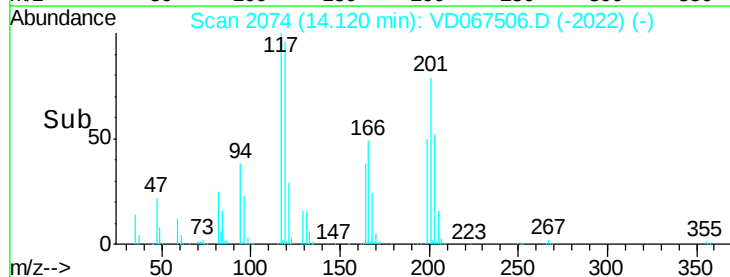
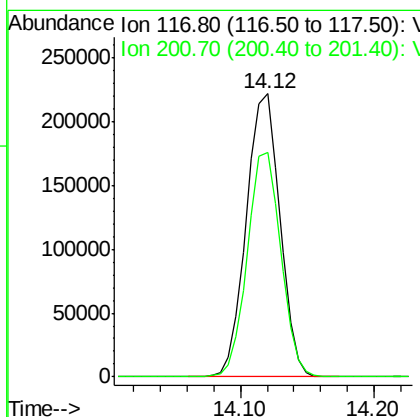
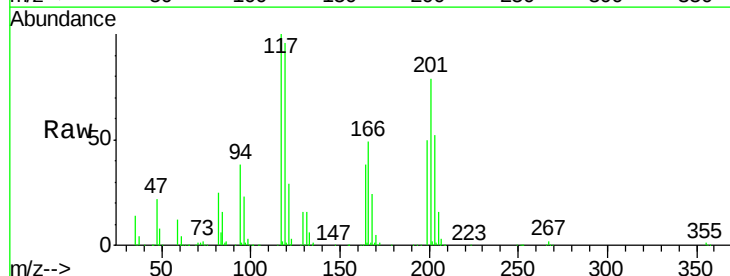
Manual Integrations  
APPROVED

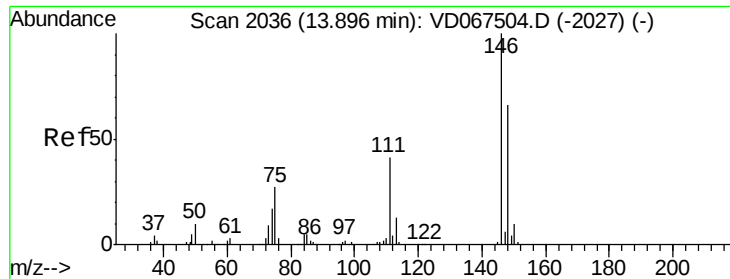
MMDadoda  
11/4/2020 10:43:29 AM



#90  
Hexachloroethane  
Concen: 151.865 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.01 min  
Lab File: VD067506.D  
Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 78.9  | 40.7  | 122.1 |





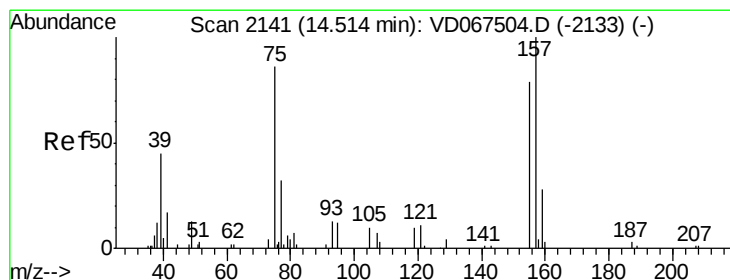
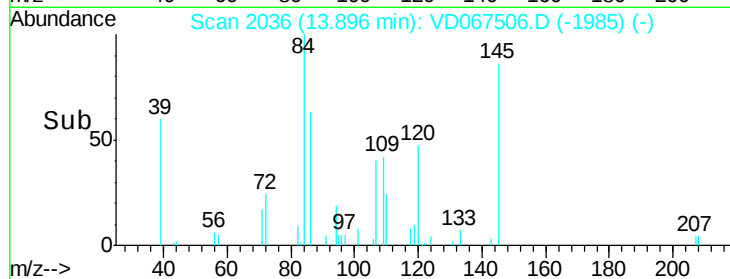
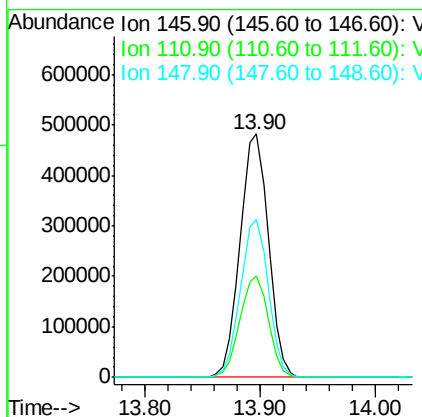
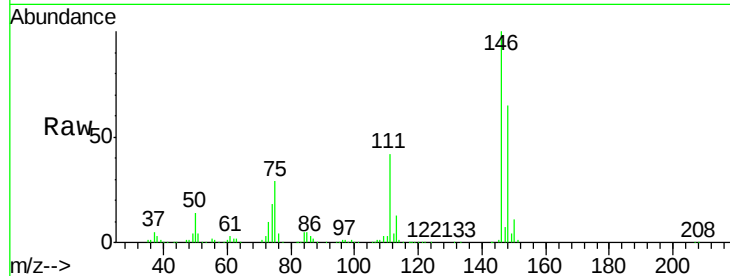
#91  
 1,2-Dichlorobenzene  
 Concen: 142.638 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. 0.00 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.5  | 20.7  | 62.1  |
| 148     | 63.9  | 31.5  | 94.5  |

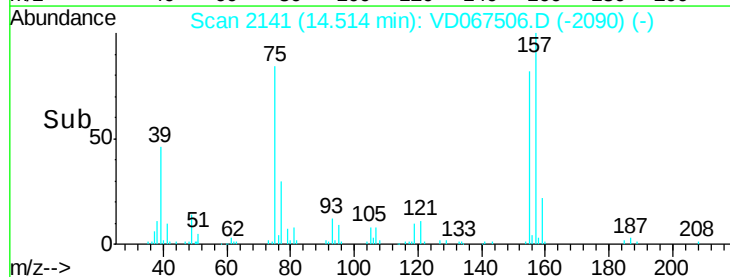
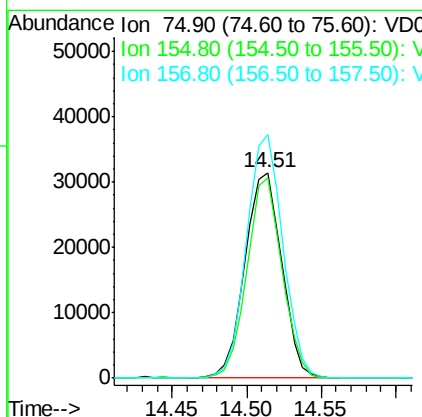
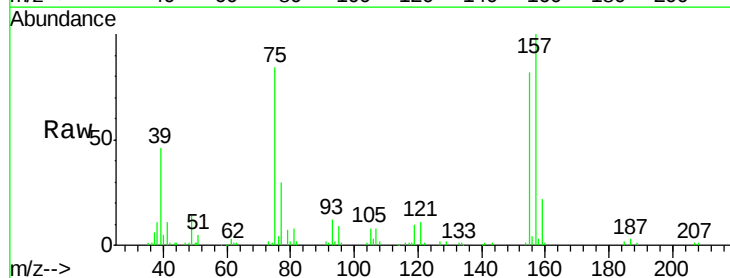
Manual Integrations  
 APPROVED

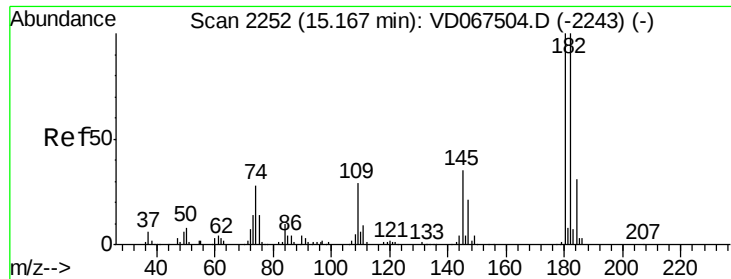
MMDadoda  
 11/4/2020 10:43:29 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 155.397 ug/l  
 RT: 14.51 min Scan# 2141  
 Delta R.T. 0.00 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 92.6  | 46.6  | 139.8 |
| 157     | 116.9 | 58.1  | 174.2 |





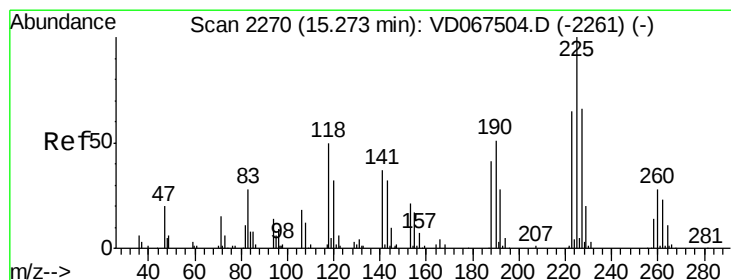
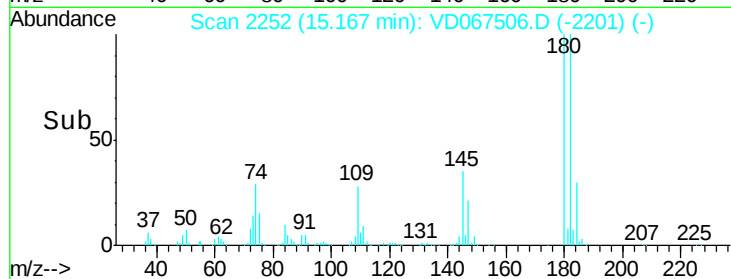
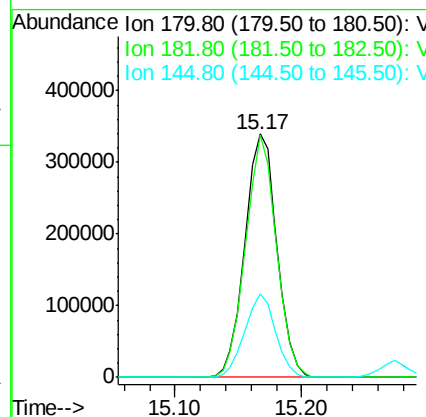
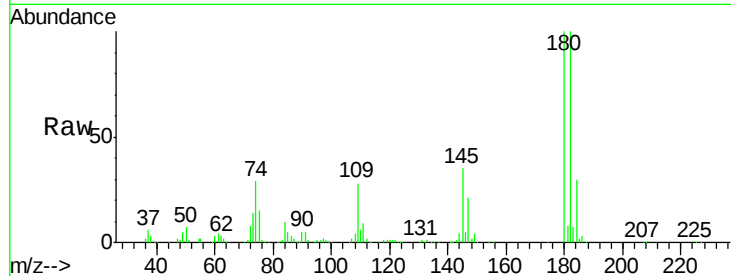
#93  
 1,2,4-Trichlorobenzene  
 Concen: 150.980 ug/l  
 RT: 15.17 min Scan# 2252  
 Delta R.T. 0.00 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.7  | 47.4  | 142.3 |
| 145     | 33.1  | 16.2  | 48.6  |

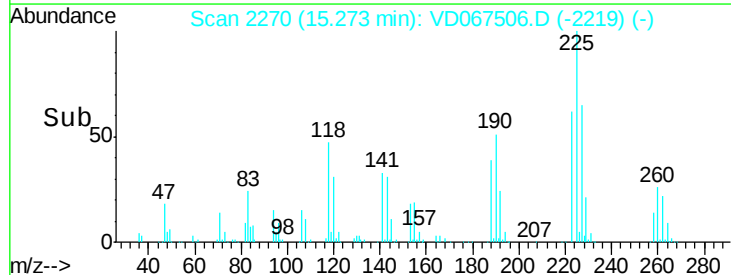
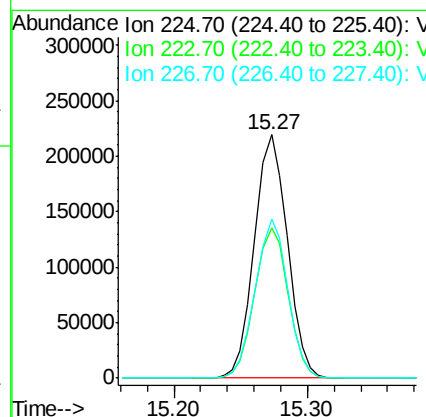
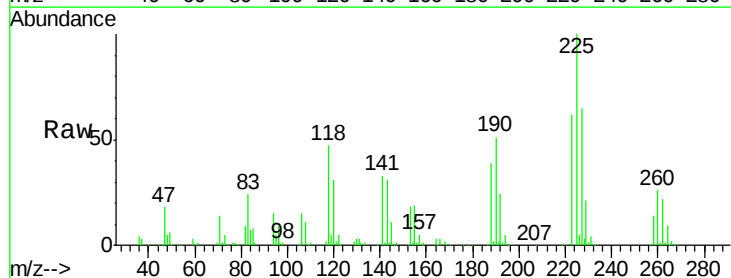
Manual Integrations  
 APPROVED

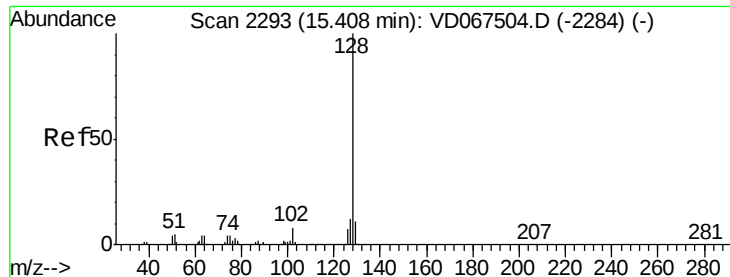
MMDadoda  
 11/4/2020 10:43:29 AM



#94  
 Hexachlorobutadiene  
 Concen: 141.853 ug/l  
 RT: 15.27 min Scan# 2270  
 Delta R.T. 0.00 min  
 Lab File: VD067506.D  
 Acq: 03 Nov 2020 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.8  | 31.9  | 95.5  |
| 227     | 64.9  | 32.5  | 97.4  |





#95

Naphthalene

Concen: 166.441 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA\_D

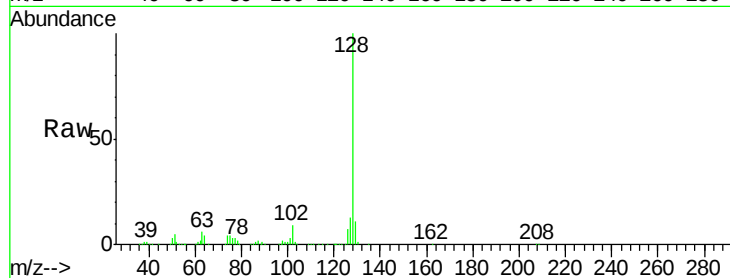
ClientSampleId :

VSTDIC150

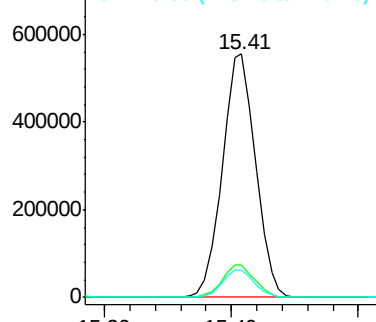
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 128   | Resp: | 1011200 |
| Ion      | Ratio | Lower | Upper   |
| 128      | 100   |       |         |
| 127      | 13.1  | 10.2  | 15.4    |
| 129      | 10.9  | 8.9   | 13.3    |

Manual Integrations  
APPROVED

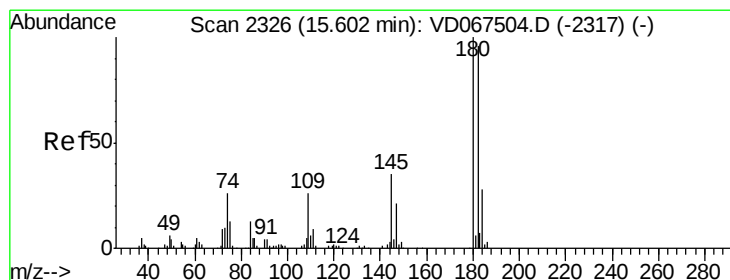
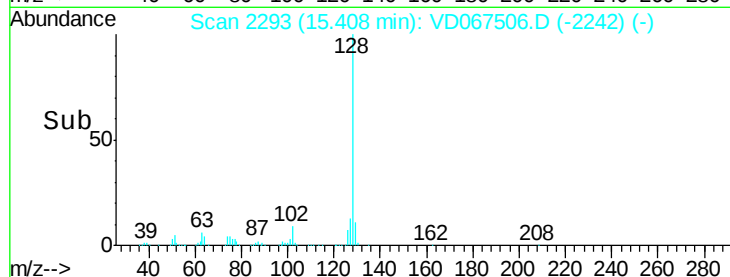
MMDadoda  
11/4/2020 10:43:29 AM



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40



#96

1,2,3-Trichlorobenzene

Concen: 150.468 ug/l

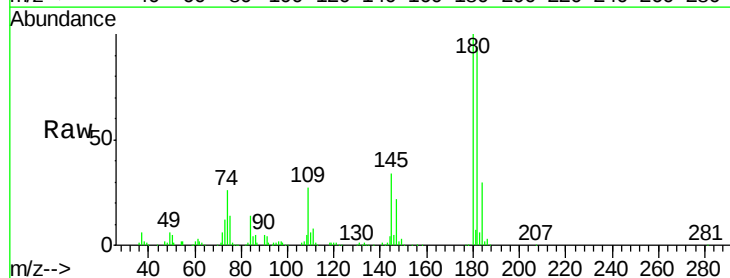
RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

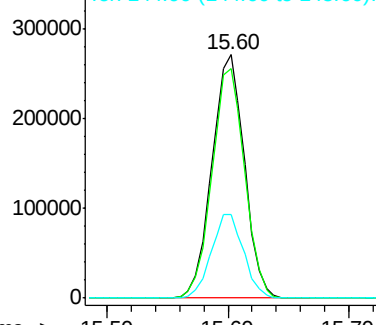
Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 507260 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 95.0  | 46.9  | 140.8  |
| 145      | 34.2  | 17.1  | 51.2   |



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.60 15.70

