

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030921\  
 Data File : VD068571.D  
 Acq On : 09 Mar 2021 11:23  
 Operator : VA/SY  
 Sample : VD0309SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0309SBS01

Manual Integrations  
 APPROVED

SAM  
 3/10/2021 3:12:29 PM

Quant Time: Mar 09 23:59:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 26 14:04:14 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.985          | 168  | 258096     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.867          | 114  | 437042     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.644         | 117  | 407164     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.573         | 152  | 194592     | 50.00   | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.332          | 65   | 126492     | 49.05   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 98.10%  |        |          |
| 35) Dibromofluoromethane     | 7.914          | 113  | 136404     | 51.81   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 103.62% |        |          |
| 50) Toluene-d8               | 10.338         | 98   | 526608     | 50.22   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 100.44% |        |          |
| 62) 4-Bromofluorobenzene     | 12.632         | 95   | 177274     | 52.45   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 104.90% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 49488      | 19.76   | ug/l   | 100      |
| 3) Chloromethane             | 2.209          | 50   | 60009      | 18.96   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.350          | 62   | 72793      | 19.37   | ug/l   | 99       |
| 5) Bromomethane              | 2.762          | 94   | 56622      | 21.16   | ug/l   | 90       |
| 6) Chloroethane              | 2.921          | 64   | 48978      | 20.15   | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.273          | 101  | 90433      | 21.09   | ug/l   | 100      |
| 8) Diethyl Ether             | 3.715          | 74   | 24086      | 18.87   | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.097          | 101  | 55461      | 21.23   | ug/l   | 96       |
| 10) Methyl Iodide            | 4.303          | 142  | 51862      | 18.35   | ug/l   | 94       |
| 11) Tert butyl alcohol       | 5.220          | 59   | 13283      | 96.47   | ug/l # | 74       |
| 12) 1,1-Dichloroethene       | 4.073          | 96   | 53321      | 20.57   | ug/l   | 91       |
| 13) Acrolein                 | 3.926          | 56   | 16442      | 83.55   | ug/l   | 97       |
| 14) Allyl chloride           | 4.720          | 41   | 65112      | 19.46   | ug/l   | 98       |
| 15) Acrylonitrile            | 5.426          | 53   | 61201      | 113.59  | ug/l   | 98       |
| 16) Acetone                  | 4.162          | 43   | 42457      | 103.65  | ug/l # | 86       |
| 17) Carbon Disulfide         | 4.415          | 76   | 169068     | 19.91   | ug/l   | 97       |
| 18) Methyl Acetate           | 4.715          | 43   | 21381      | 20.25   | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 5.479          | 73   | 126764     | 22.56   | ug/l # | 87       |
| 20) Methylene Chloride       | 4.967          | 84   | 68508      | 19.86   | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 5.473          | 96   | 75161      | 24.29   | ug/l   | 99       |
| 22) Diisopropyl ether        | 6.362          | 45   | 148495     | 20.15   | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.309          | 43   | 366850     | 95.94   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.261          | 63   | 104999     | 20.78   | ug/l   | 98       |
| 25) 2-Butanone               | 7.208          | 43   | 57736      | 98.06   | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.214          | 77   | 90919      | 21.60   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.220          | 96   | 71265      | 20.98   | ug/l   | 96       |
| 28) Bromochloromethane       | 7.550          | 49   | 39761      | 20.16   | ug/l   | 83       |
| 29) Tetrahydrofuran          | 7.561          | 42   | 36354      | 95.08   | ug/l   | 97       |
| 30) Chloroform               | 7.714          | 83   | 112910     | 21.16   | ug/l   | 100      |
| 31) Cyclohexane              | 7.985          | 56   | 93365      | 19.91   | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 7.908          | 97   | 97773      | 21.47   | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.108          | 75   | 86006      | 20.70   | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.291          | 43   | 24618      | 17.86   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.097          | 117  | 85217      | 21.83   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.355          | 83   | 106416     | 20.77   | ug/l   | 99       |
| 40) Benzene                  | 8.350          | 78   | 250189     | 20.99   | ug/l   | 95       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030921\  
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 Operator : VA/SY  
 Sample : VD0309SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0309SBS01

Manual Integrations  
 APPROVED

SAM  
 3/10/2021 3:12:29 PM

Quant Time: Mar 09 23:59:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 26 14:04:14 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.520  | 41   | 12809    | 16.01  | ug/l # | 85       |
| 42) 1,2-Dichloroethane        | 8.426  | 62   | 65711    | 20.97  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.456  | 43   | 52225    | 20.62  | ug/l   | 96       |
| 44) Trichloroethene           | 9.114  | 130  | 69458    | 21.23  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 61376    | 21.54  | ug/l   | 96       |
| 46) Dibromomethane            | 9.479  | 93   | 33049    | 21.33  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.667  | 83   | 86803    | 21.65  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.455  | 41   | 27624    | 20.46  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.461  | 88   | 7357     | 416.26 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.232 | 43   | 130058   | 98.11  | ug/l   | 99       |
| 52) Toluene                   | 10.402 | 92   | 161374   | 21.21  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.620 | 75   | 78721    | 21.25  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.091 | 75   | 93844    | 20.76  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.802 | 97   | 46035    | 21.46  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.661 | 69   | 49912    | 20.25  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.944 | 76   | 80740    | 21.57  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.944  | 63   | 120937   | 97.78  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.985 | 43   | 90402    | 102.31 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.138 | 129  | 58165    | 21.91  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.249 | 107  | 44393    | 21.15  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.879 | 164  | 56020    | 21.07  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.673 | 112  | 174530   | 21.05  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.744 | 131  | 62862    | 21.81  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.744 | 91   | 302987   | 20.47  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.849 | 106  | 234001   | 41.63  | ug/l   | 99       |
| 69) o-Xylene                  | 12.179 | 106  | 106343   | 20.54  | ug/l   | 94       |
| 70) Styrene                   | 12.196 | 104  | 182860   | 20.65  | ug/l   | 98       |
| 71) Bromoform                 | 12.361 | 173  | 31101    | 21.24  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.479 | 105  | 292492   | 20.27  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.291 | 43   | 47343    | 19.26  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.732 | 83   | 49842    | 20.07  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.779 | 75   | 33288m   | 19.27  | ug/l   |          |
| 77) Bromobenzene              | 12.761 | 156  | 67920    | 20.62  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.820 | 91   | 352774   | 20.46  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.908 | 91   | 196127   | 20.49  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.955 | 105  | 242498   | 20.50  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.526 | 75   | 13823    | 18.67  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 13.002 | 91   | 205523   | 20.41  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.220 | 119  | 210393   | 20.89  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.267 | 105  | 243876   | 20.59  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.396 | 105  | 300022   | 21.09  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.514 | 119  | 268828   | 20.82  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.514 | 146  | 133857   | 21.04  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.591 | 146  | 134649   | 21.37  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.838 | 91   | 256448   | 20.59  | ug/l   | 96       |
| 90) Hexachloroethane          | 14.108 | 117  | 52239    | 20.35  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.885 | 146  | 116376   | 21.33  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.502 | 75   | 8211     | 18.76  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.155 | 180  | 87656    | 20.80  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.261 | 225  | 51046    | 21.82  | ug/l   | 98       |
| 95) Naphthalene               | 15.396 | 128  | 146201   | 19.16  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.590 | 180  | 76436    | 20.95  | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030921\  
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Acq On : 09 Mar 2021 11:23  
Operator : VA/SY  
Sample : VD0309SBS01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

Manual Integrations  
APPROVED

SAM  
3/10/2021 3:12:29 PM

Quant Time: Mar 09 23:59:34 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 26 14:04:14 2021  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

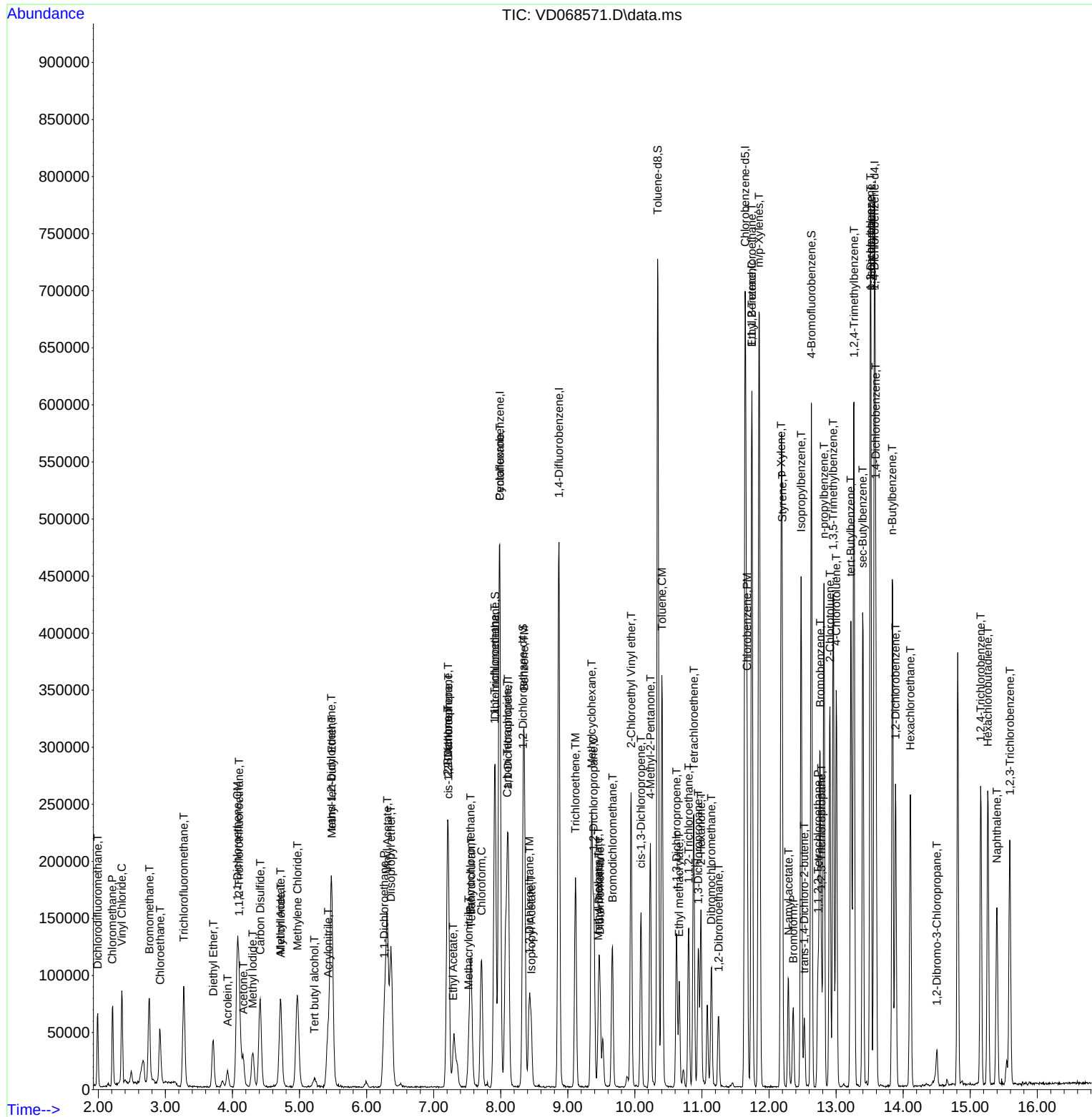
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Data File : VD068571.D  
Acq On : 09 Mar 2021 11:23  
Operator : VA/SY  
Sample : VD0309SBS01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

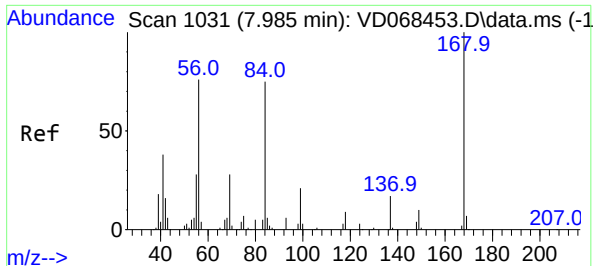
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

Manual Integrations  
APPROVED

SAM  
3/10/2021 3:12:29 PM

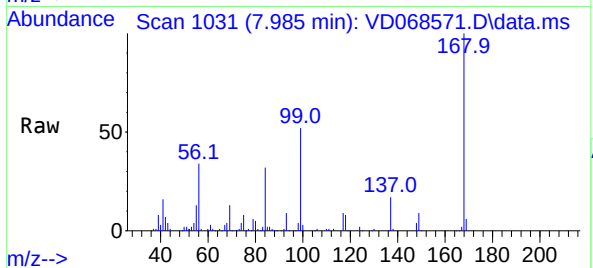
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 26 14:04:14 2021  
Response via : Initial Calibration





Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

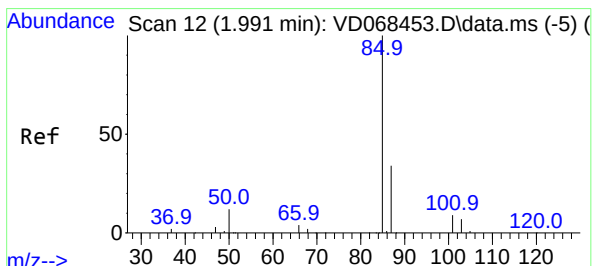
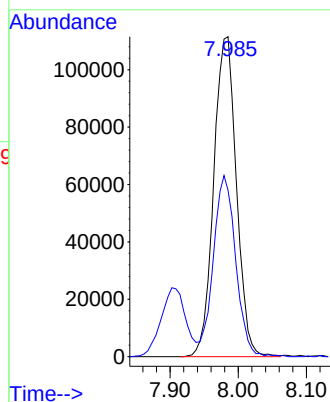
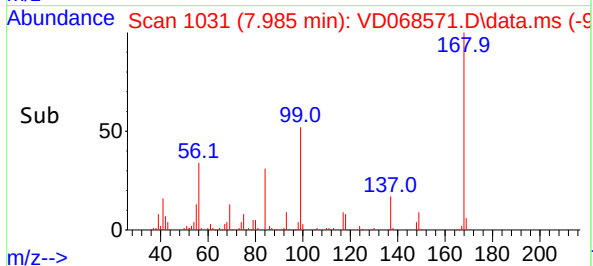
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01



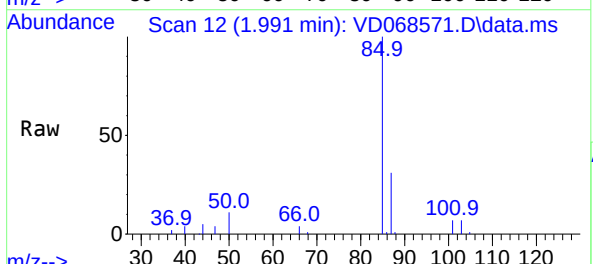
Tgt Ion:168 Resp: 258096  
Ion Ratio Lower Upper  
168 100  
99 51.7 43.5 65.3

Manual Integrations  
APPROVED

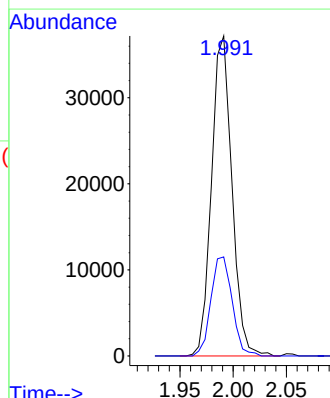
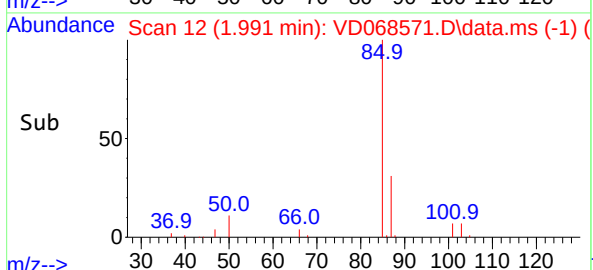
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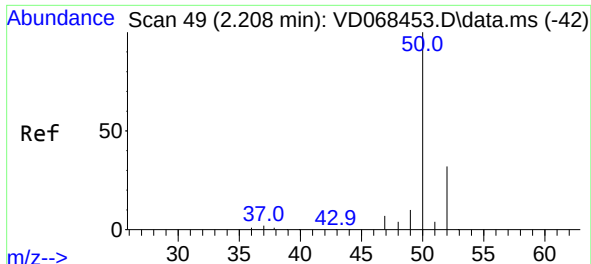


Dichlorodifluoromethane  
Concen: 19.76 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



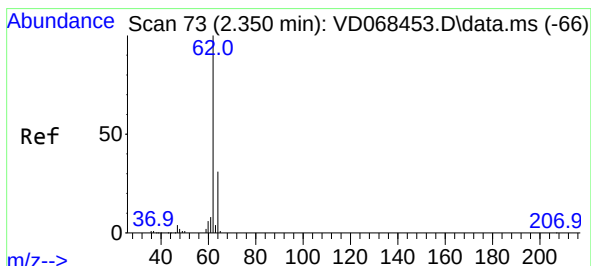
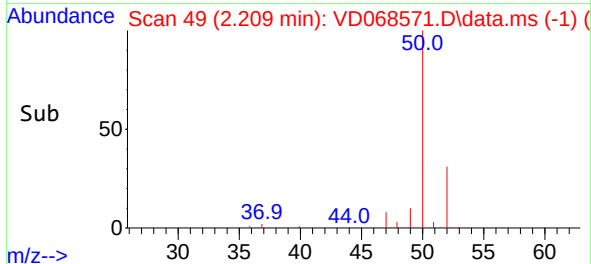
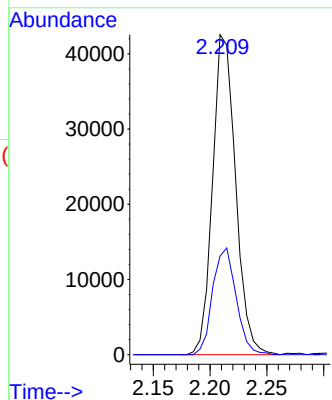
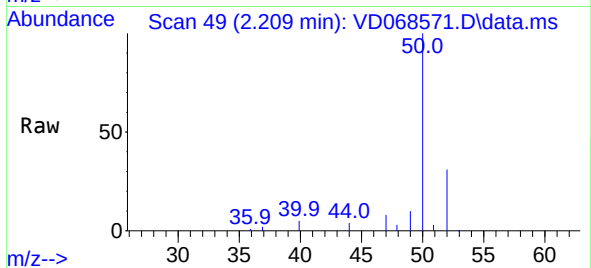
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Ion Ratio Lower Upper  
85 100  
87 31.0 15.4 46.1





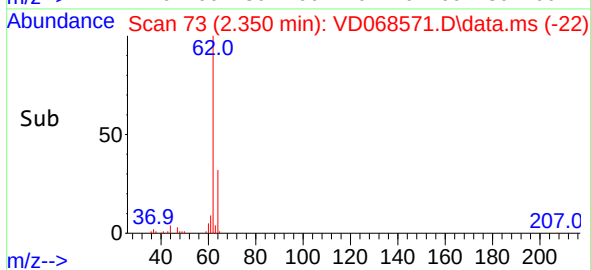
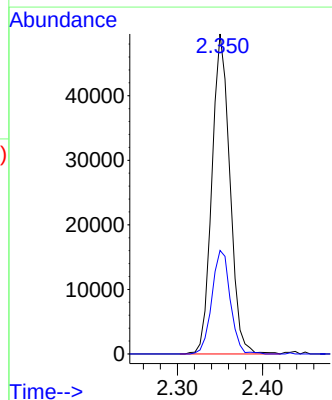
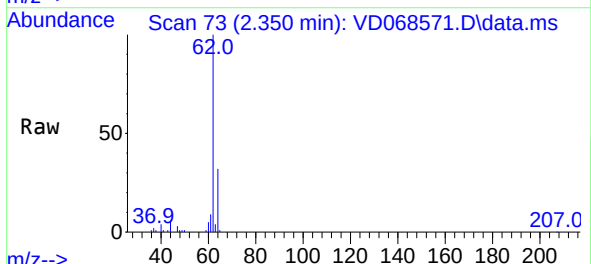
#3  
Chloromethane  
Concen: 18.96 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 50 Resp: 60009  
Ion Ratio Lower Upper  
50 100  
52 30.8 25.4 38.2



#4  
Vinyl Chloride  
Concen: 19.37 ug/l  
RT: 2.350 min Scan# 73  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

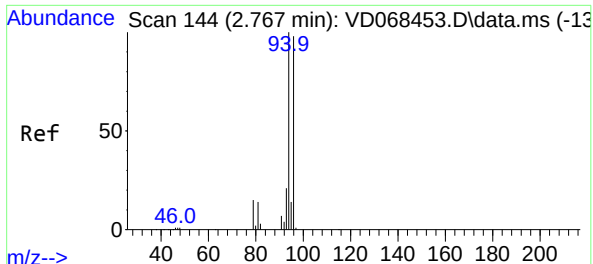
Tgt Ion: 62 Resp: 72793  
Ion Ratio Lower Upper  
62 100  
64 32.3 25.4 38.2



Instrument :  
MSVOA\_D  
ClientSampleId :  
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Manual Integrations  
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SAM  
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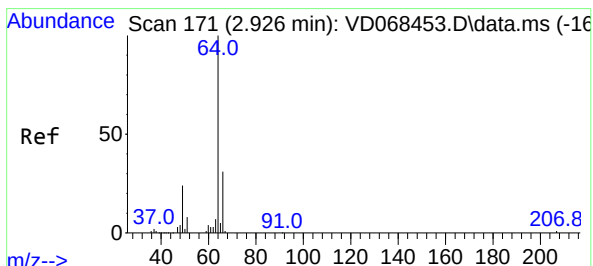
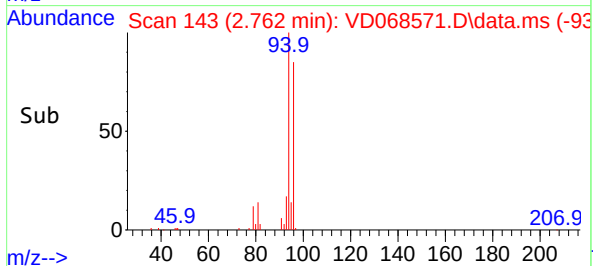
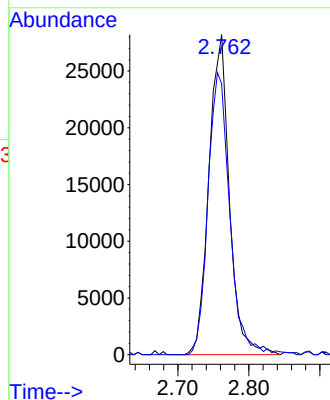
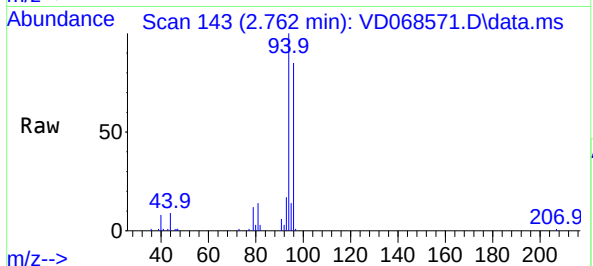
#5  
Bromomethane  
Concen: 21.16 ug/l  
RT: 2.762 min Scan# 143  
Delta R.T. -0.006 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 94 Resp: 56622  
Ion Ratio Lower Upper  
94 100  
96 84.7 75.8 113.8

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

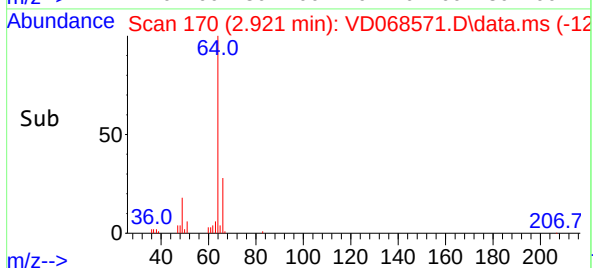
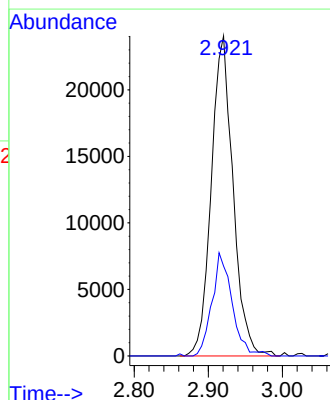
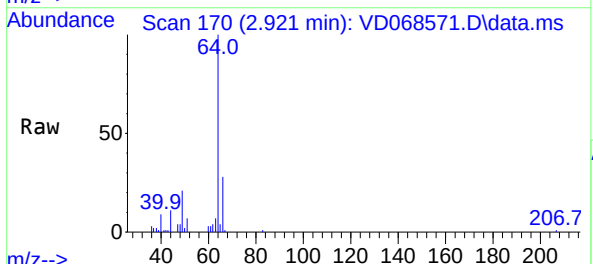
Manual Integrations  
APPROVED

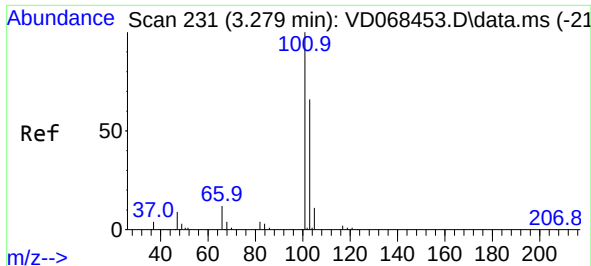
SAM  
3/10/2021 3:12:29 PM



#6  
Chloroethane  
Concen: 20.15 ug/l  
RT: 2.921 min Scan# 170  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 64 Resp: 48978  
Ion Ratio Lower Upper  
64 100  
66 28.1 25.1 37.7





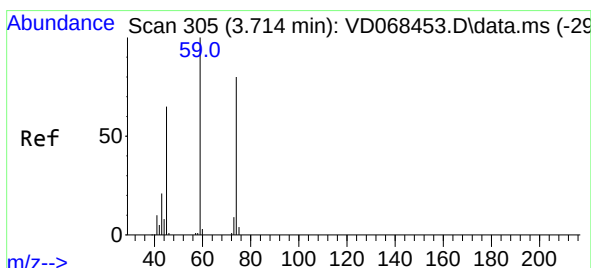
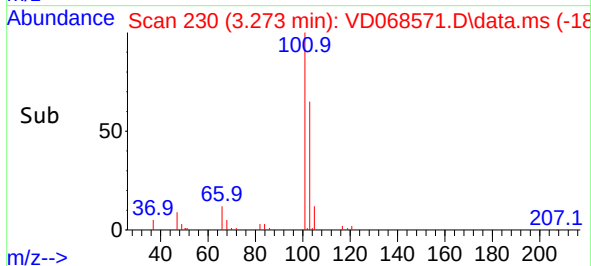
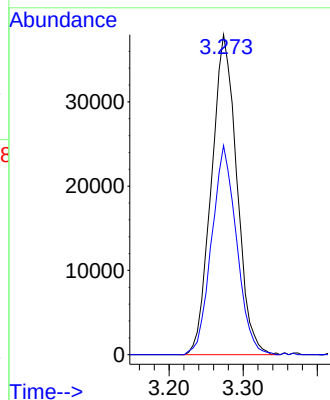
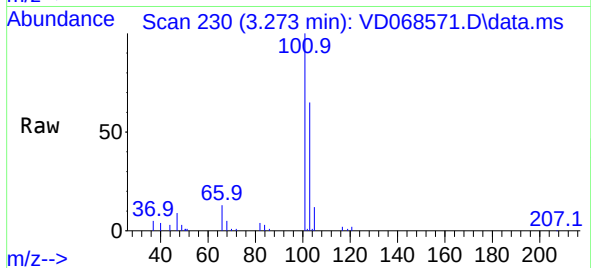
#7  
Trichlorofluoromethane  
Concen: 21.09 ug/l  
RT: 3.273 min Scan# 230  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion:101 Resp: 90433  
Ion Ratio Lower Upper  
101 100  
103 65.4 52.0 78.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

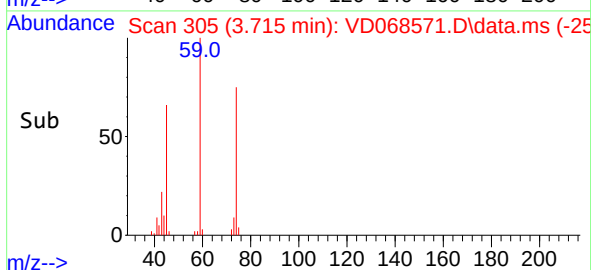
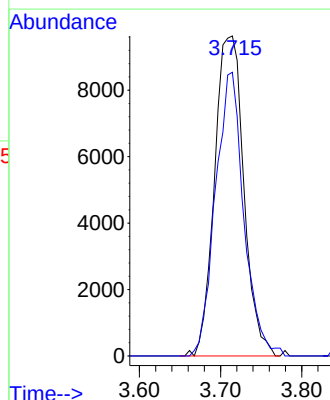
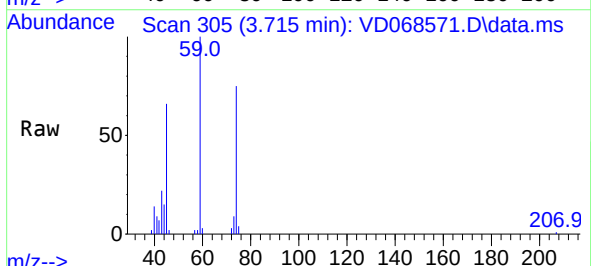
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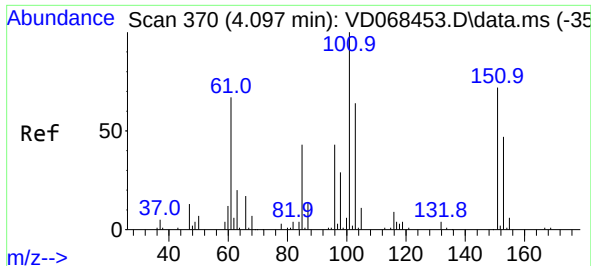


#8  
Diethyl Ether  
Concen: 18.87 ug/l  
RT: 3.715 min Scan# 305  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 74 Resp: 24086  
Ion Ratio Lower Upper  
74 100  
45 86.1 42.1 126.4







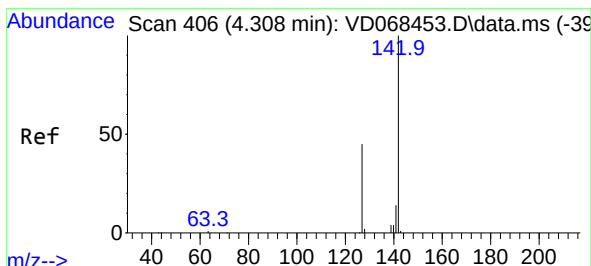
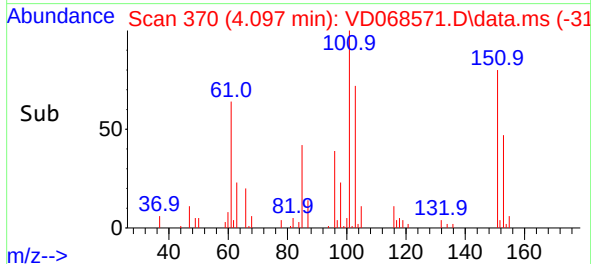
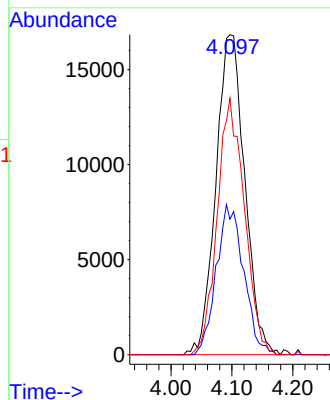
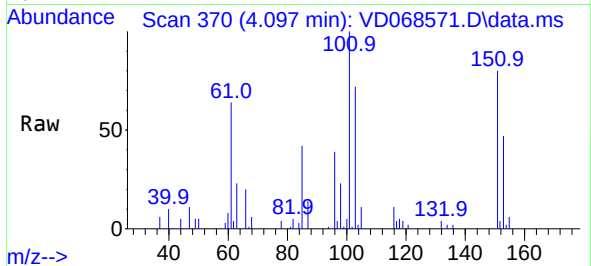
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.23 ug/l  
RT: 4.097 min Scan# 370  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 55461 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 44.5  | 34.0  | 51.0  |
| 151      | 75.5  | 64.1  | 96.1  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

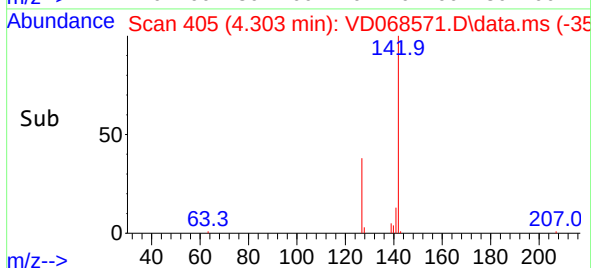
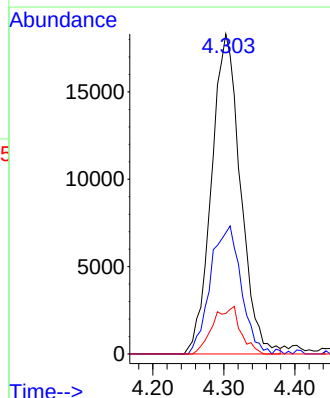
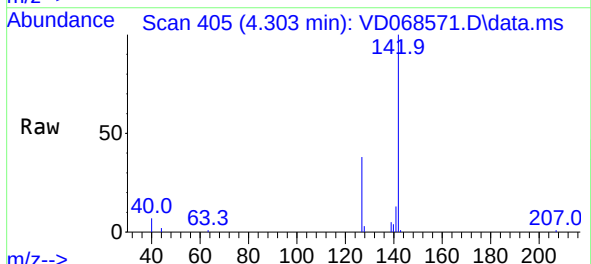
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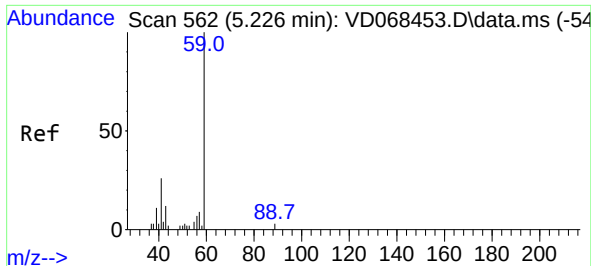
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#10  
Methyl Iodide  
Concen: 18.35 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 51862 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 42.3  | 37.9  | 56.9  |
| 141      | 14.2  | 11.5  | 17.3  |





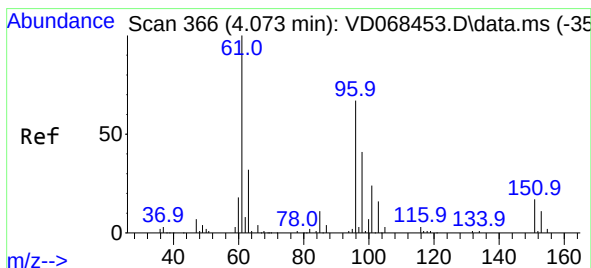
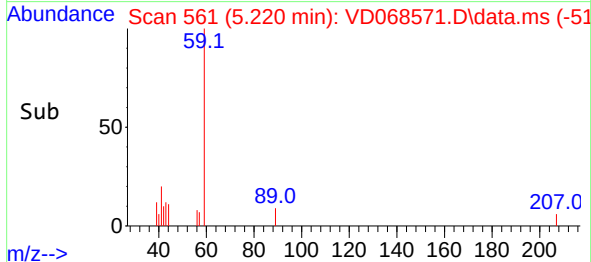
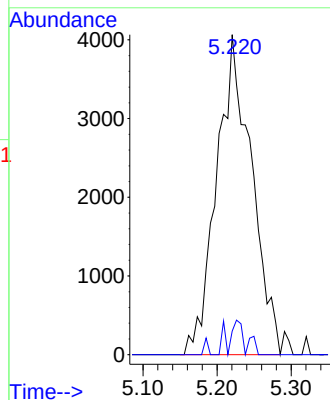
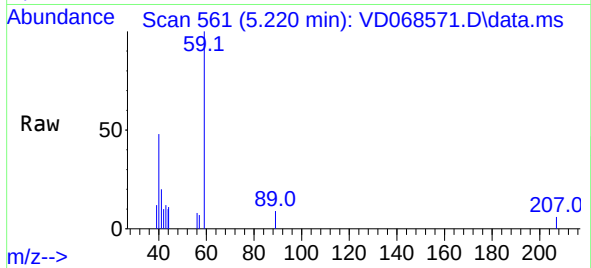
#11  
Tert butyl alcohol  
Concen: 96.47 ug/l  
RT: 5.220 min Scan# 561  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 59 Resp: 13283  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

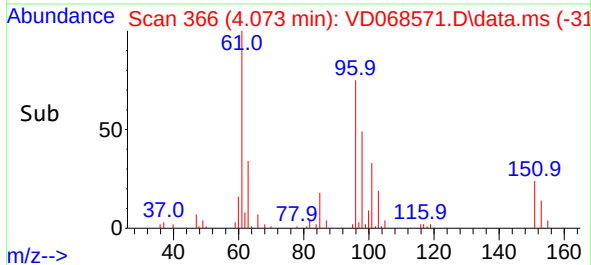
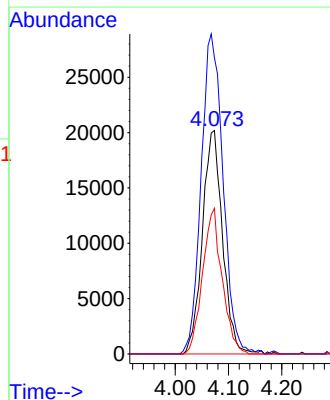
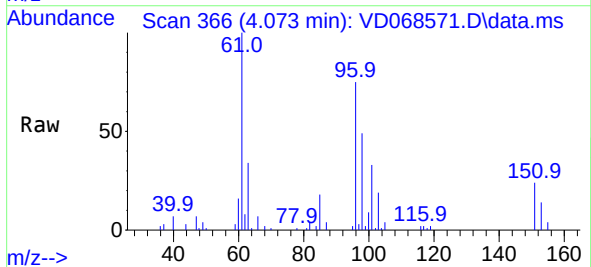
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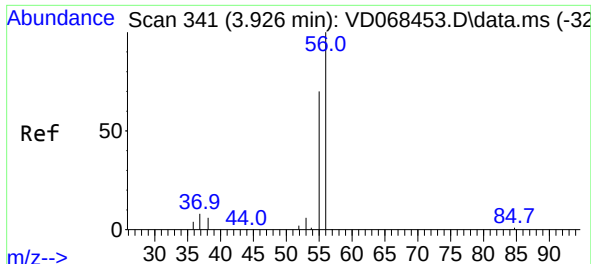
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#12  
1,1-Dichloroethene  
Concen: 20.57 ug/l  
RT: 4.073 min Scan# 366  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

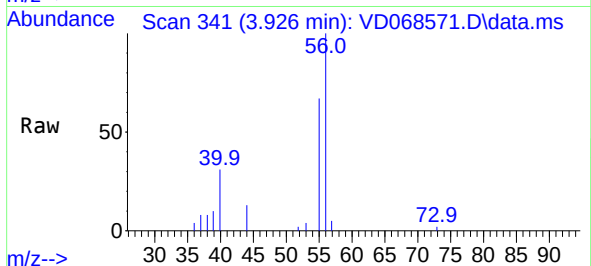
Tgt Ion: 96 Resp: 53321  
Ion Ratio Lower Upper  
96 100  
61 132.5 116.2 174.4  
98 65.2 48.6 73.0





#13  
Acrolein  
Concen: 83.55 ug/l  
RT: 3.926 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

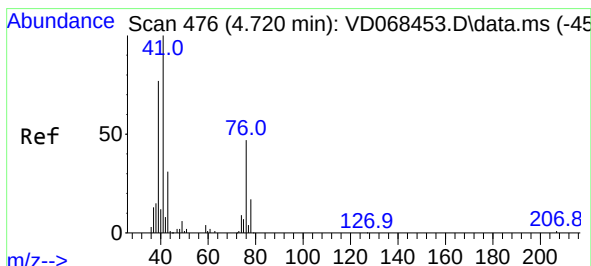
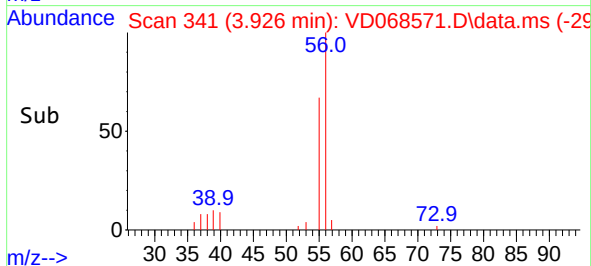
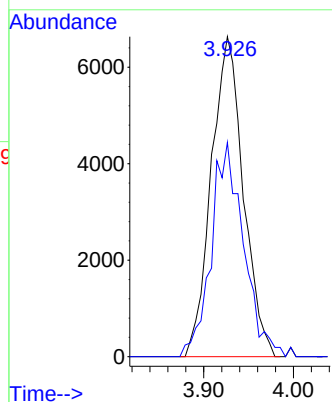
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01



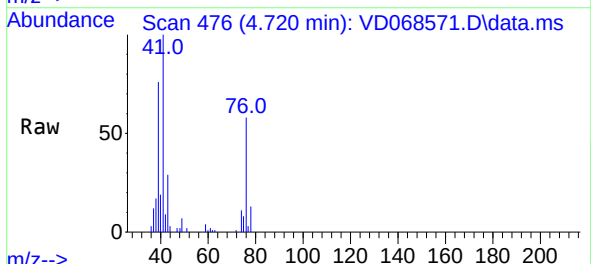
Tgt Ion: 56 Resp: 16442  
Ion Ratio Lower Upper  
56 100  
55 67.8 56.5 84.7

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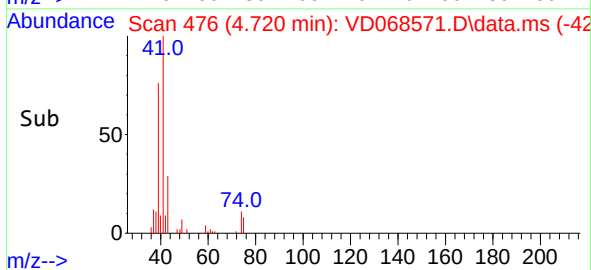
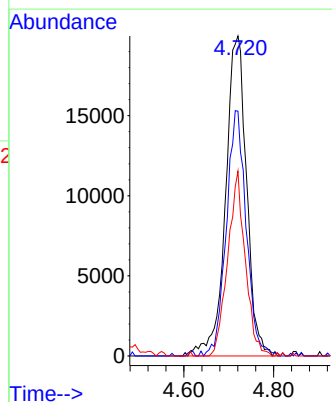
SAM  
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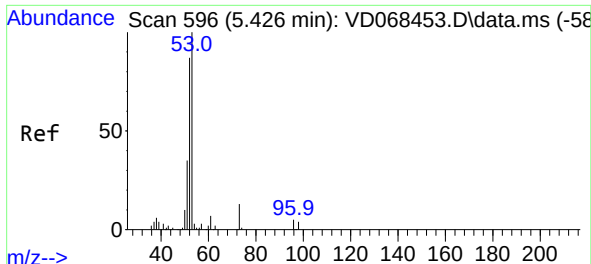


#14  
Allyl chloride  
Concen: 19.46 ug/l  
RT: 4.720 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

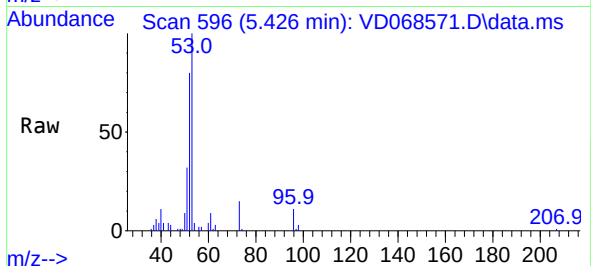


Tgt Ion: 41 Resp: 65112  
Ion Ratio Lower Upper  
41 100  
39 72.8 56.3 84.5  
76 48.2 38.9 58.3

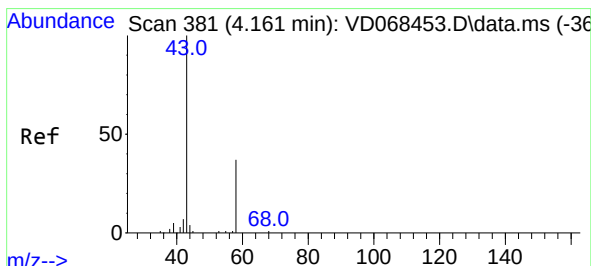
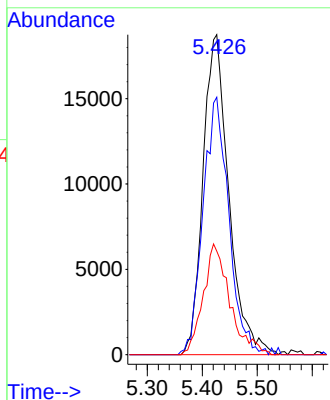
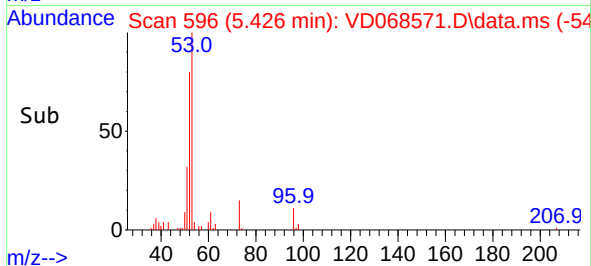




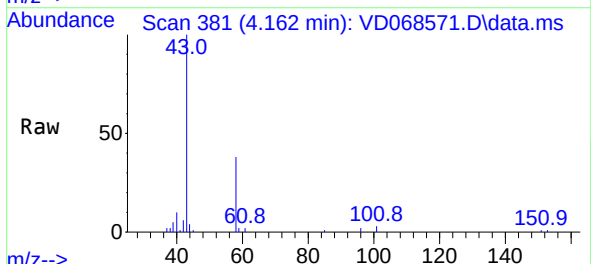
#15  
Acrylonitrile  
Concen: 113.59 ug/l  
RT: 5.426 min Scan# 596  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



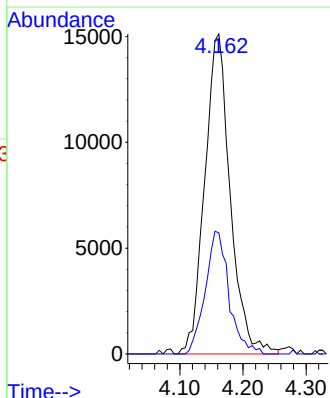
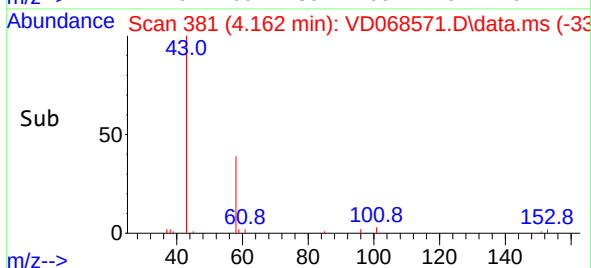
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 61201 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 80.3  | 66.2  | 99.2  |
| 51       | 35.8  | 29.0  | 43.4  |



#16  
Acetone  
Concen: 103.65 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



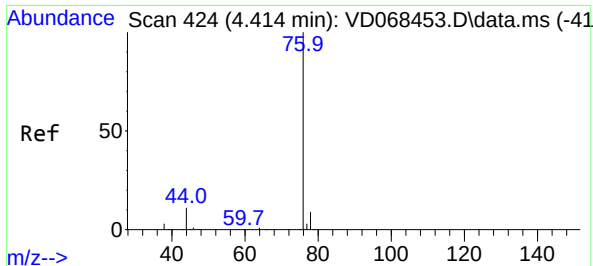
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 42457 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 37.8  | 24.2  | 36.4# |



Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

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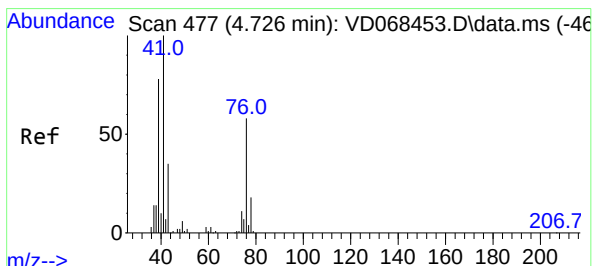
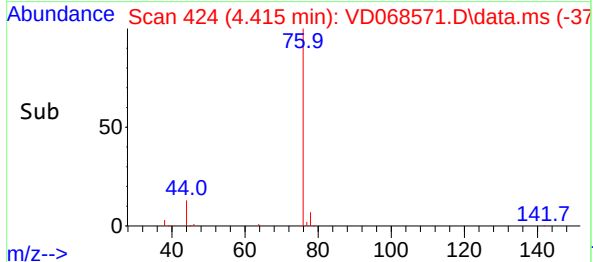
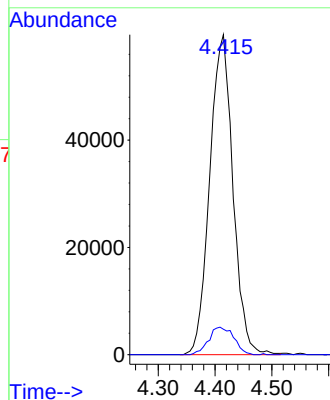
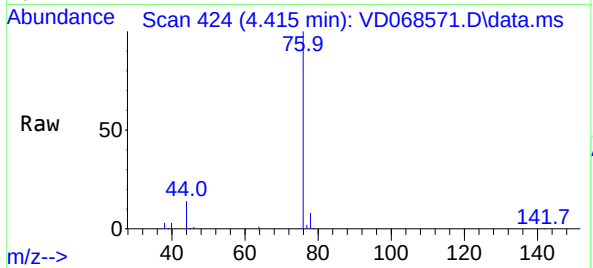
#17  
Carbon Disulfide  
Concen: 19.91 ug/l  
RT: 4.415 min Scan# 424  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 76 Resp: 169068  
Ion Ratio Lower Upper  
76 100  
78 7.9 7.3 10.9

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

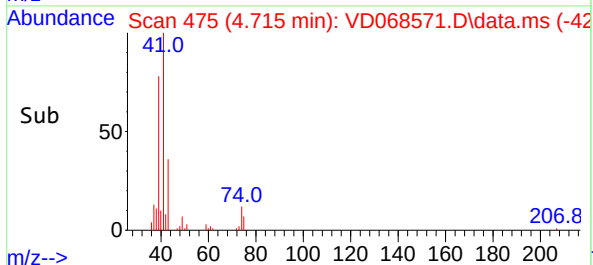
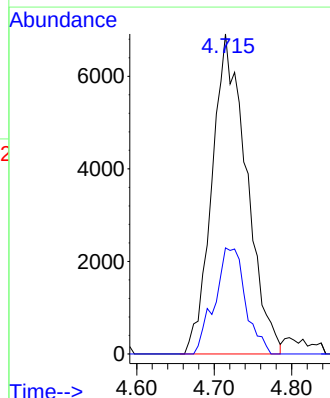
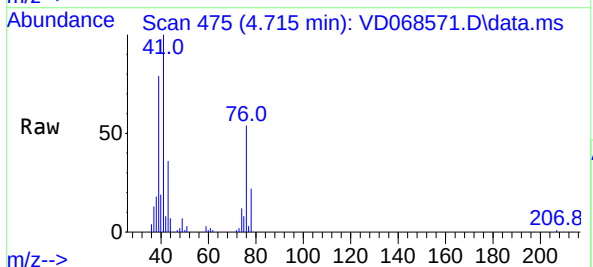
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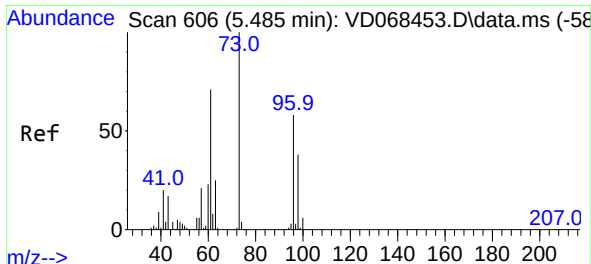
SAM  
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#18  
Methyl Acetate  
Concen: 20.25 ug/l  
RT: 4.715 min Scan# 475  
Delta R.T. -0.011 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

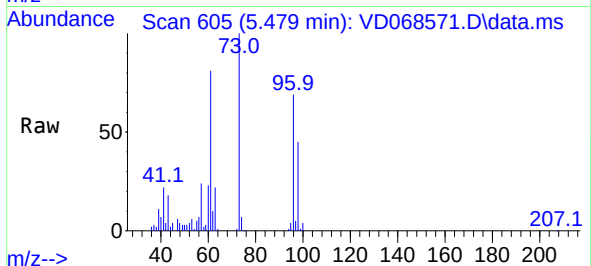
Tgt Ion: 43 Resp: 21381  
Ion Ratio Lower Upper  
43 100  
74 29.5 25.4 38.0





#19  
Methyl tert-butyl Ether  
Concen: 22.56 ug/l  
RT: 5.479 min Scan# 605  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

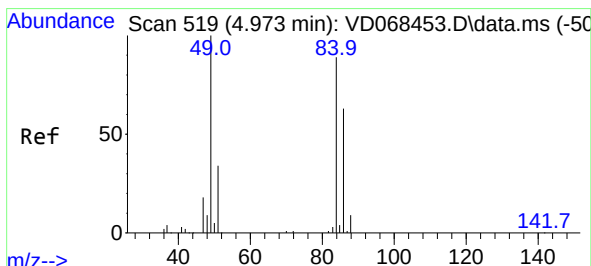
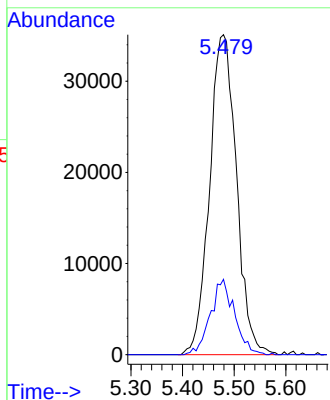
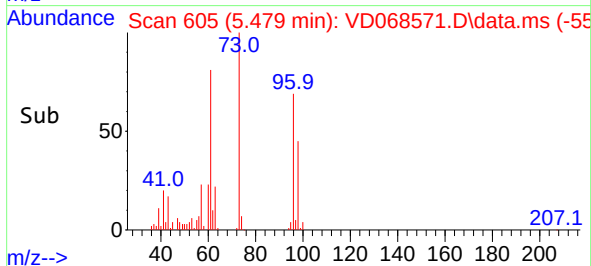
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01



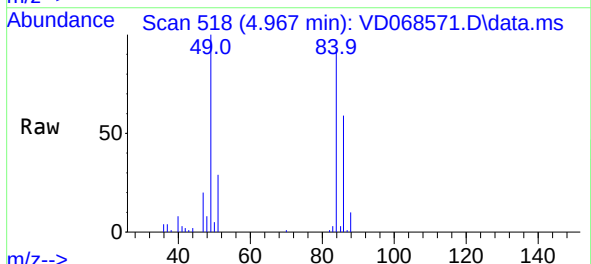
Tgt Ion: 73 Resp: 126764  
Ion Ratio Lower Upper  
73 100  
57 23.5 14.4 21.6#

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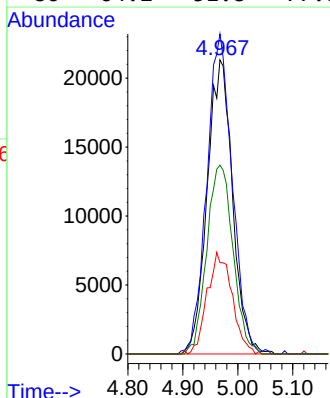
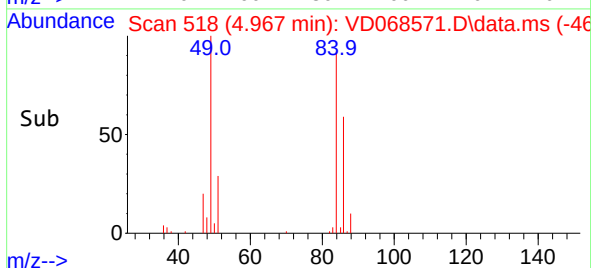
SAM  
3/10/2021 3:12:29 PM

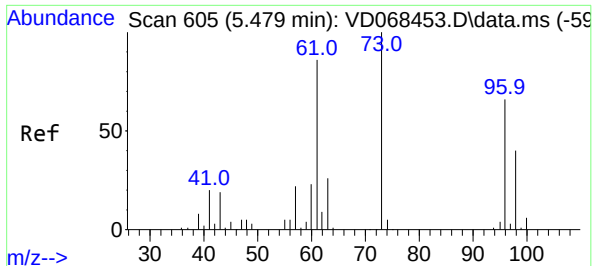


#20  
Methylene Chloride  
Concen: 19.86 ug/l  
RT: 4.967 min Scan# 518  
Delta R.T. -0.006 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

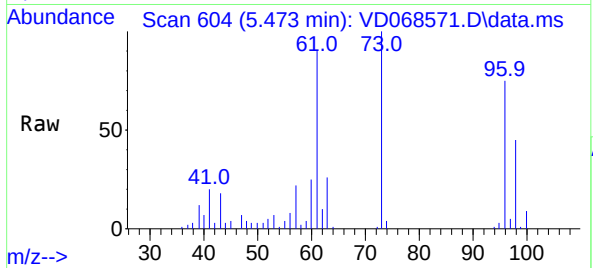


Tgt Ion: 84 Resp: 68508  
Ion Ratio Lower Upper  
84 100  
49 108.8 77.4 116.2  
51 31.1 26.1 39.1  
86 64.2 51.8 77.8



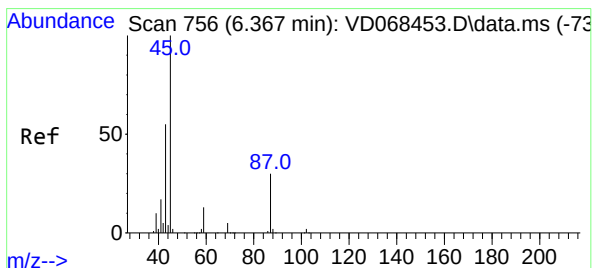
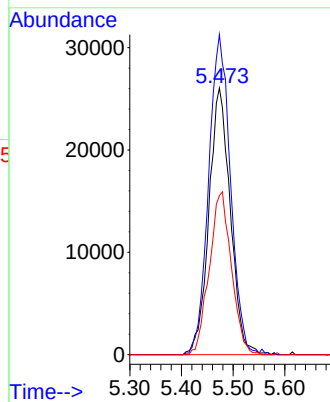
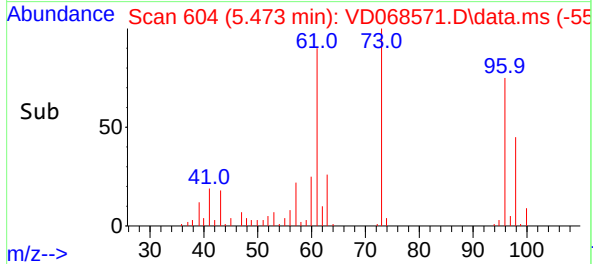


#21  
trans-1,2-Dichloroethene  
Concen: 24.29 ug/l  
RT: 5.473 min Scan# 604  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

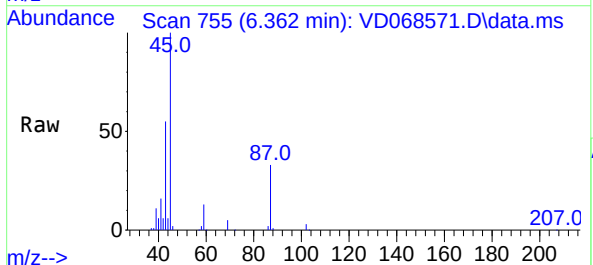


Tgt Ion: 96 Resp: 75161

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 120.0 | 96.7  | 145.1 |
| 98  | 59.6  | 47.6  | 71.4  |

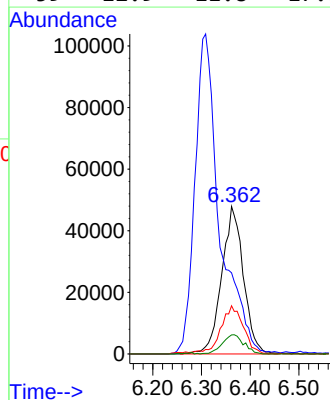
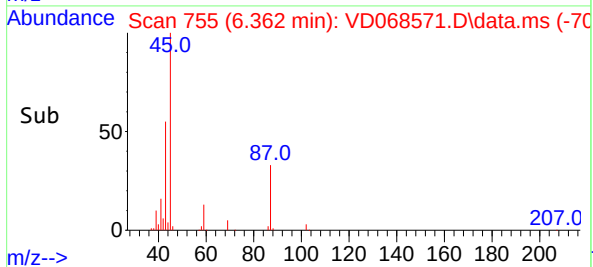


#22  
Diisopropyl ether  
Concen: 20.15 ug/l  
RT: 6.362 min Scan# 755  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



Tgt Ion: 45 Resp: 148495

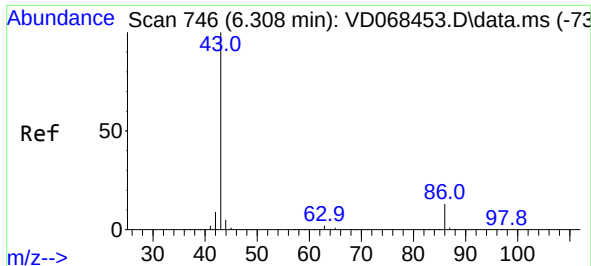
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 54.3  | 43.9  | 65.9  |
| 87  | 32.1  | 29.9  | 44.9  |
| 59  | 12.9  | 11.8  | 17.8  |



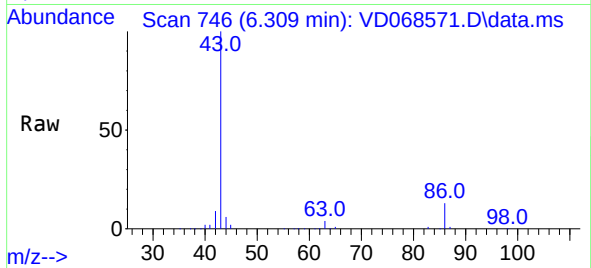
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

Manual Integrations  
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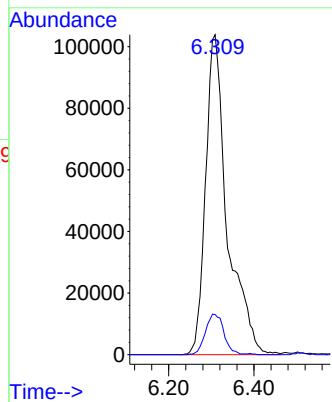
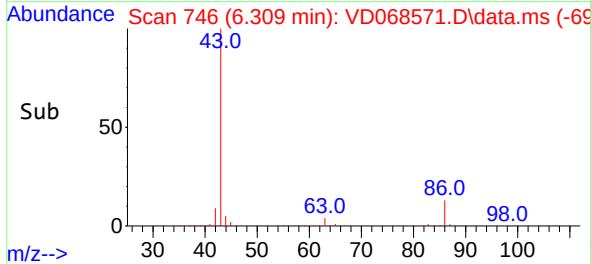
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#23  
 Vinyl Acetate  
 Concen: 95.94 ug/l  
 RT: 6.309 min Scan# 746  
 Delta R.T. 0.000 min  
 Lab File: VD068571.D  
 Acq: 09 Mar 2021 11:23



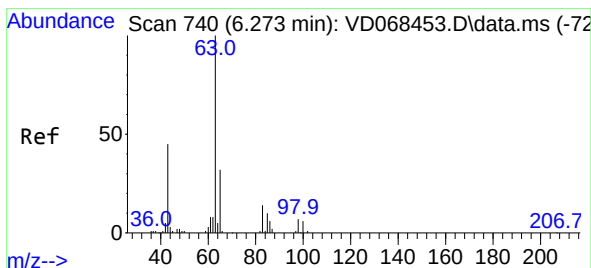
Tgt Ion: 43 Resp: 366850  
 Ion Ratio Lower Upper  
 43 100  
 86 12.6 10.8 16.2



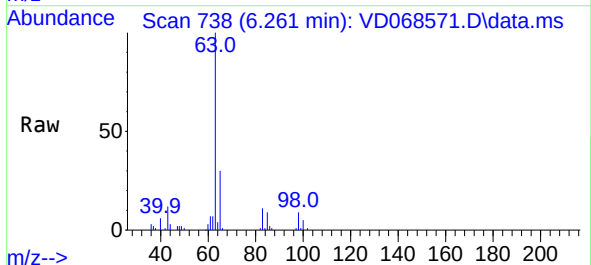
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0309SBS01

Manual Integrations  
 APPROVED

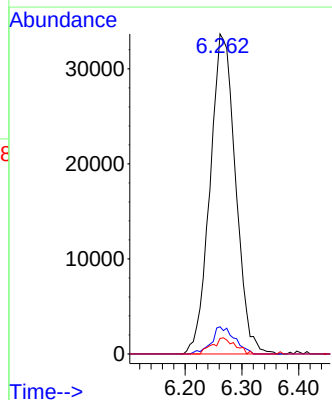
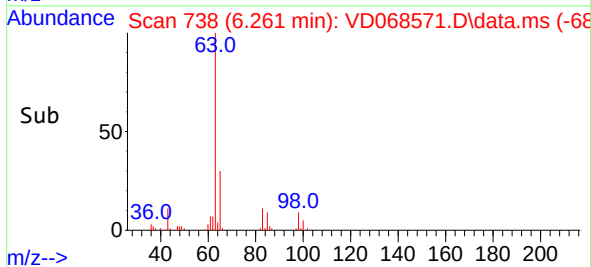
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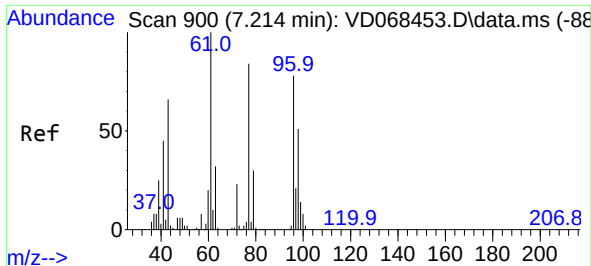
#24  
 1,1-Dichloroethane  
 Concen: 20.78 ug/l  
 RT: 6.261 min Scan# 738  
 Delta R.T. -0.011 min  
 Lab File: VD068571.D  
 Acq: 09 Mar 2021 11:23



Tgt Ion: 63 Resp: 104999  
 Ion Ratio Lower Upper  
 63 100  
 98 8.5 3.8 11.4  
 100 4.9 2.6 8.0

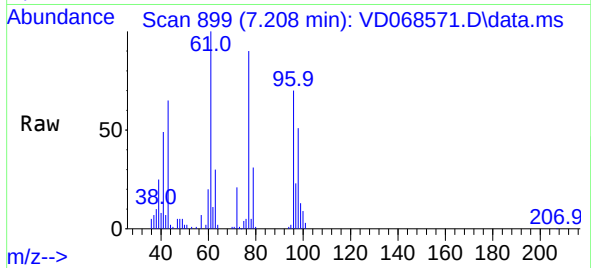






#25  
2-Butanone  
Concen: 98.06 ug/l  
RT: 7.208 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

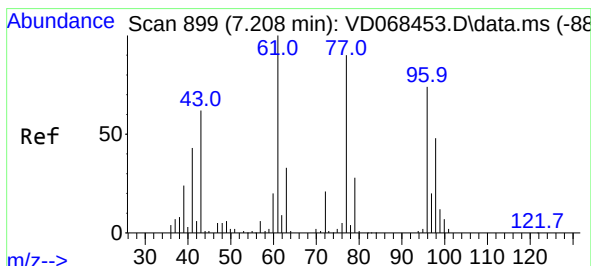
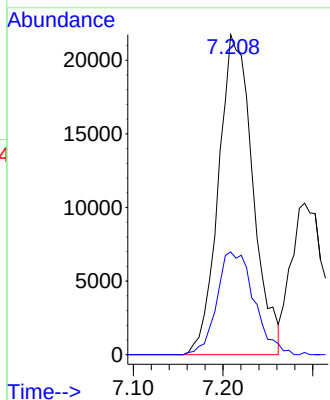
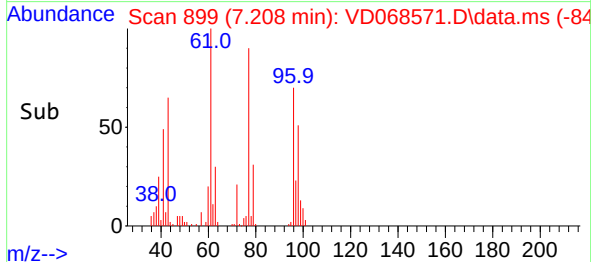
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01



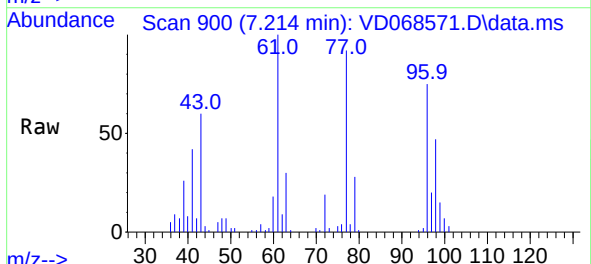
Tgt Ion: 43 Resp: 57736  
Ion Ratio Lower Upper  
43 100  
72 32.1 25.1 37.7

Manual Integrations  
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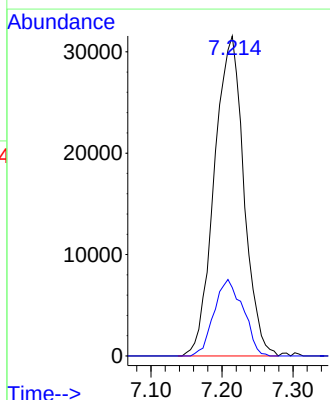
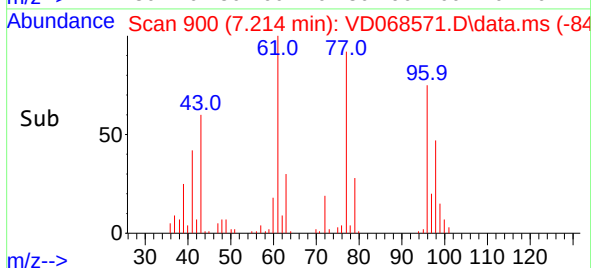
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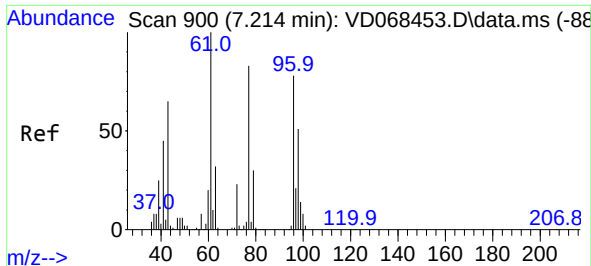


#26  
2,2-Dichloropropane  
Concen: 21.60 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. 0.006 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



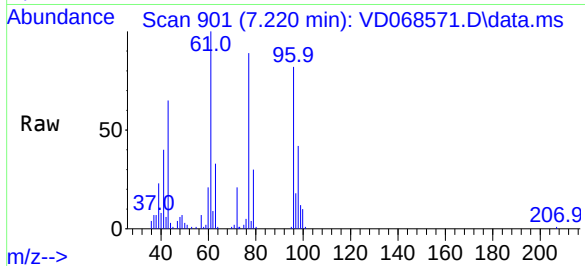
Tgt Ion: 77 Resp: 90919  
Ion Ratio Lower Upper  
77 100  
97 23.6 11.7 35.1





#27  
cis-1,2-Dichloroethene  
Concen: 20.98 ug/l  
RT: 7.220 min Scan# 901  
Delta R.T. 0.006 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

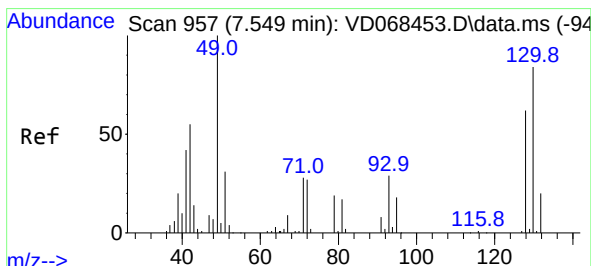
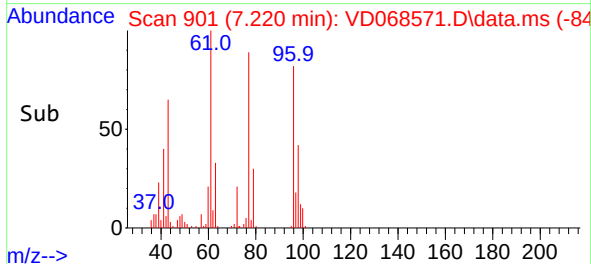
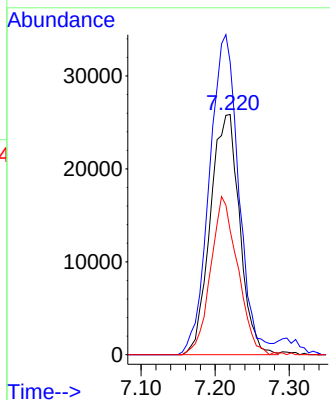


Tgt Ion: 96 Resp: 71265

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 133.3 | 0.0   | 257.4 |
| 98  | 60.6  | 0.0   | 126.6 |

Manual Integrations  
APPROVED

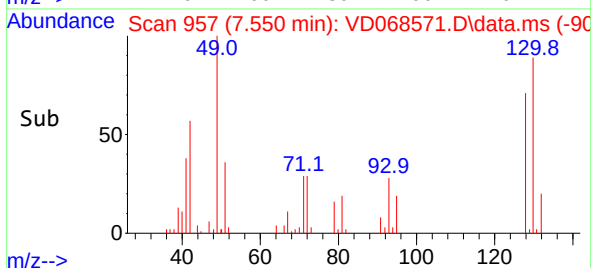
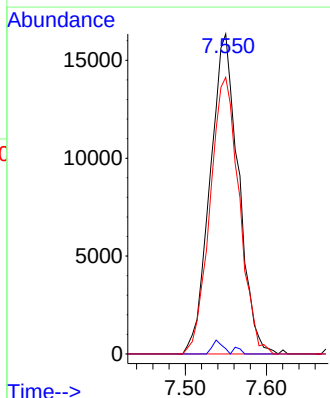
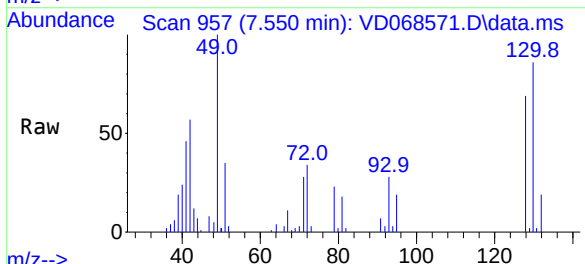
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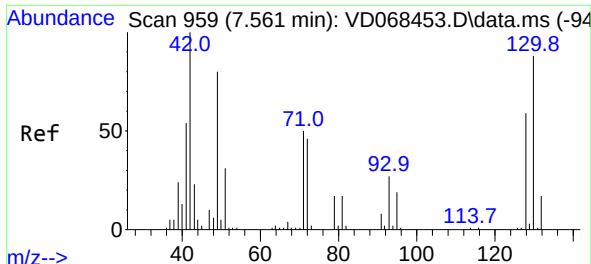


#28  
Bromochloromethane  
Concen: 20.16 ug/l  
RT: 7.550 min Scan# 957  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 49 Resp: 39761

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 0.5   | 0.0   | 4.8   |
| 130 | 88.7  | 85.5  | 128.3 |





#29  
Tetrahydrofuran  
Concen: 95.08 ug/l  
RT: 7.561 min Scan# 959  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

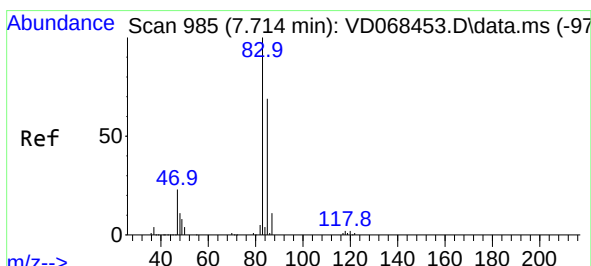
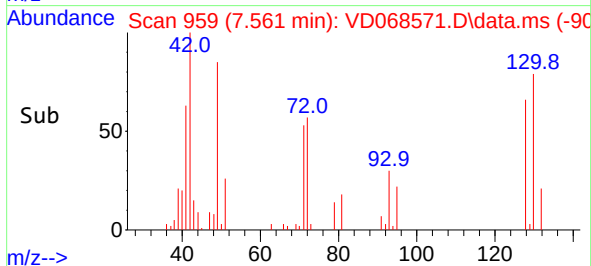
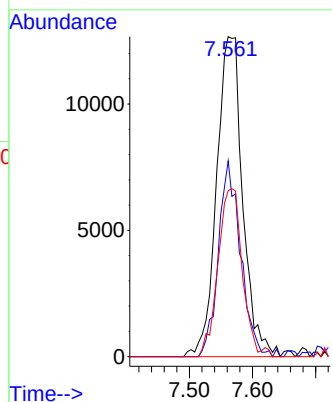
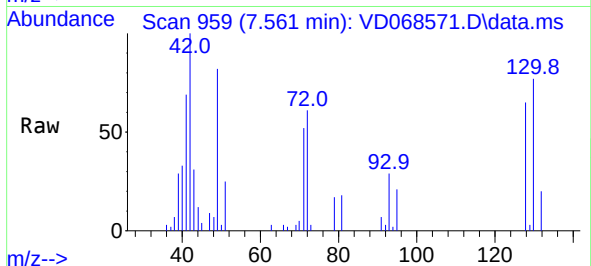
Tgt Ion: 42 Resp: 36354  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 51.8  | 43.4  | 65.0  |
| 71  | 48.5  | 40.8  | 61.2  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

Manual Integrations  
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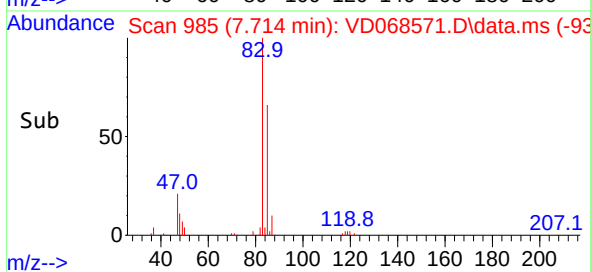
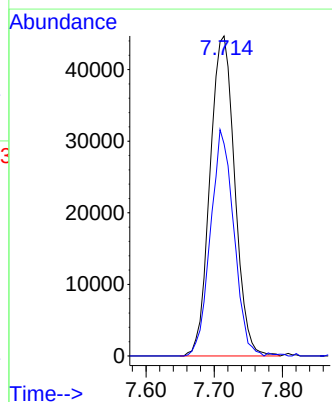
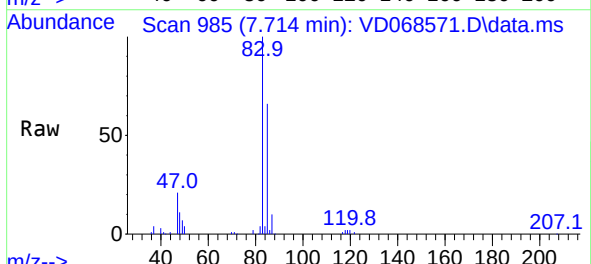
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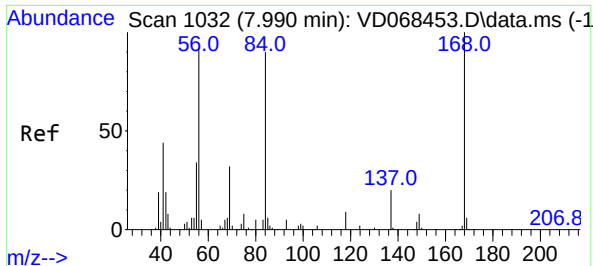


#30  
Chloroform  
Concen: 21.16 ug/l  
RT: 7.714 min Scan# 985  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 83 Resp: 112910  

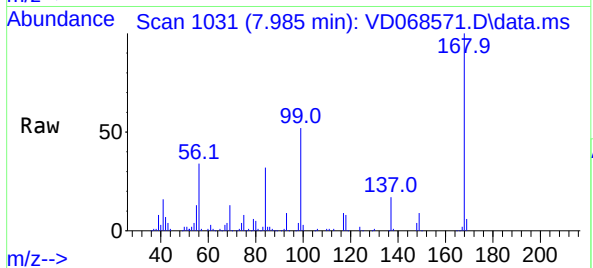
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 66.3  | 53.4  | 80.0  |





#31  
Cyclohexane  
Concen: 19.91 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

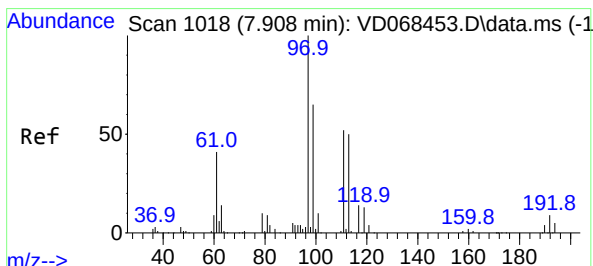
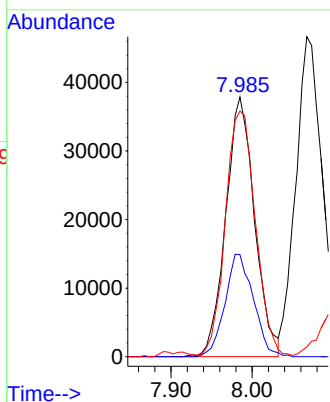
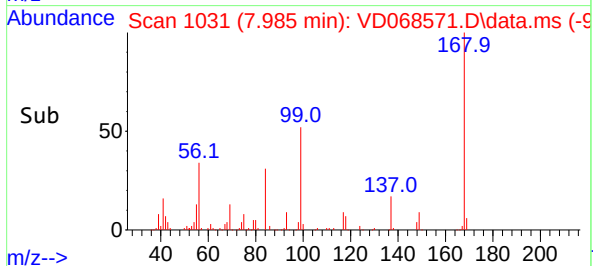
Instrument :  
MSVOA\_D  
ClientSampled :  
VD0309SBS01



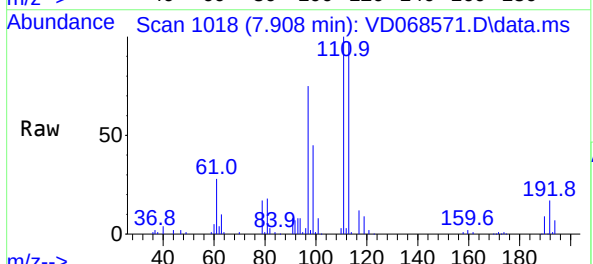
Tgt Ion: 56 Resp: 93365  
Ion Ratio Lower Upper  
56 100  
69 39.3 30.1 45.1  
84 92.9 82.1 123.1

Manual Integrations  
APPROVED

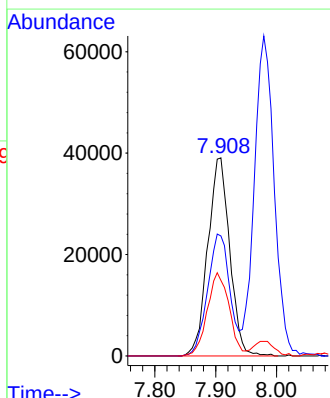
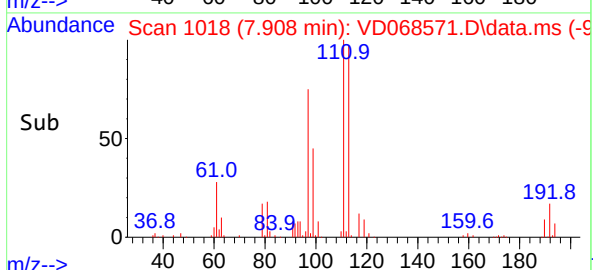
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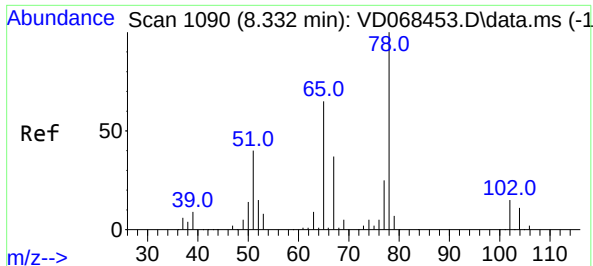


#32  
1,1,1-Trichloroethane  
Concen: 21.47 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



Tgt Ion: 97 Resp: 97773  
Ion Ratio Lower Upper  
97 100  
99 62.0 52.1 78.1  
61 42.1 30.1 45.1





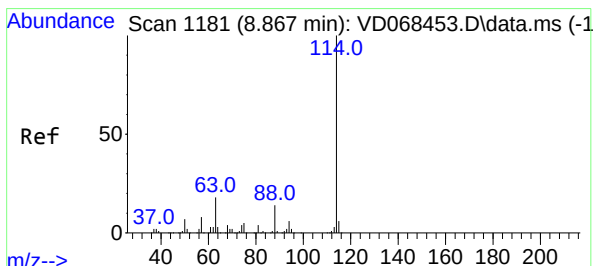
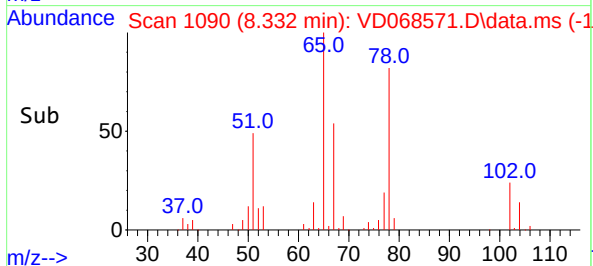
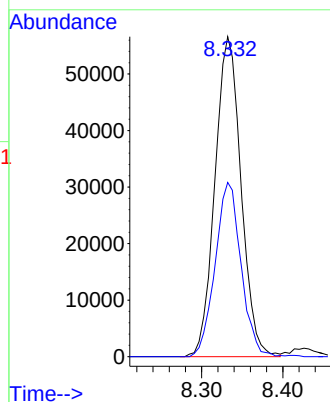
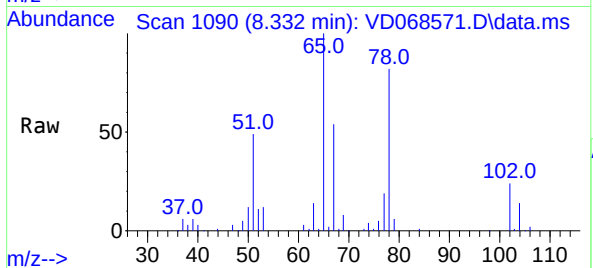
#33  
1,2-Dichloroethane-d4  
Concen: 49.05 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 65 Resp: 126492  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 105.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

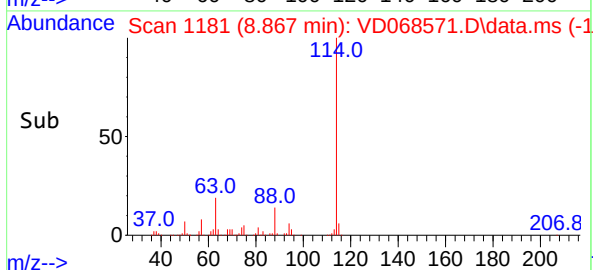
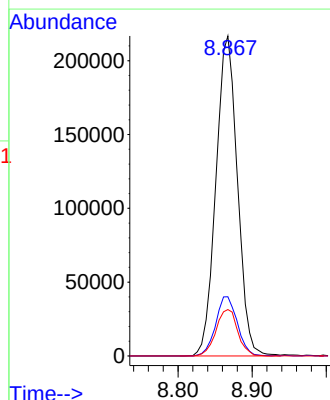
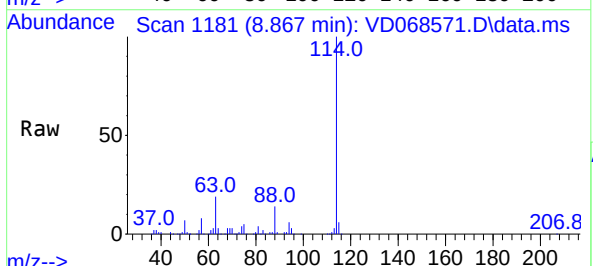
Manual Integrations  
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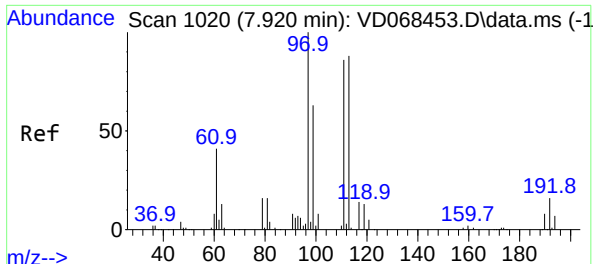
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#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 114 Resp: 437042  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 34.8  
88 14.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.81 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068571.D

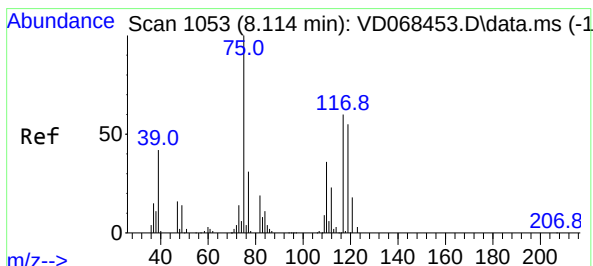
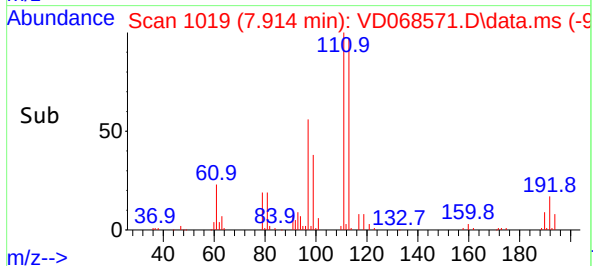
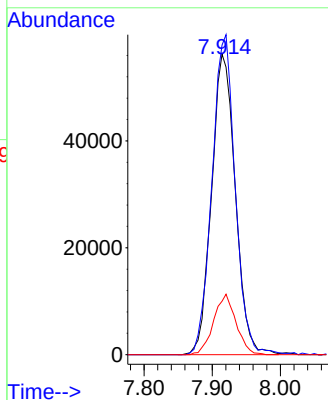
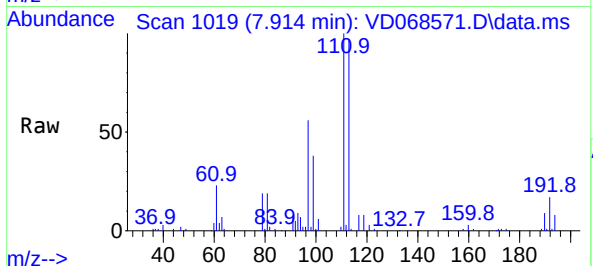
Acq: 09 Mar 2021 11:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 136404 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 104.4 | 81.4  | 122.0  |
| 192      | 19.0  | 16.1  | 24.1   |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

Manual Integrations  
APPROVED

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3/10/2021 3:12:29 PM



#36

1,1-Dichloropropene

Concen: 20.70 ug/l

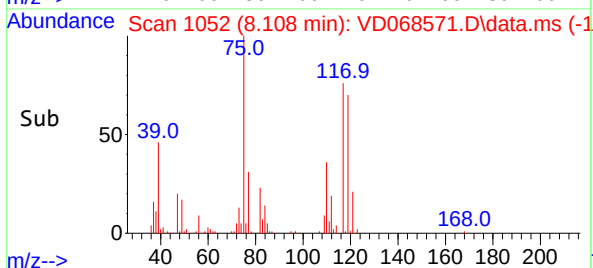
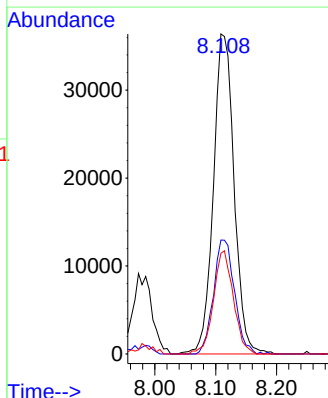
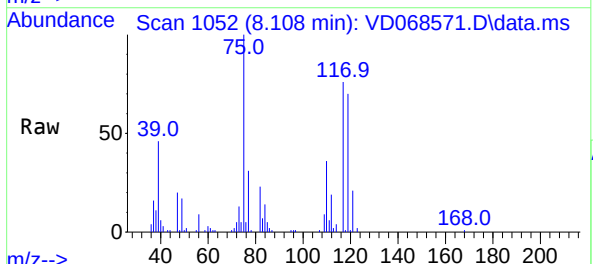
RT: 8.108 min Scan# 1052

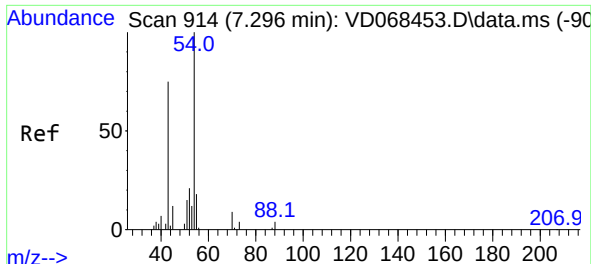
Delta R.T. -0.005 min

Lab File: VD068571.D

Acq: 09 Mar 2021 11:23

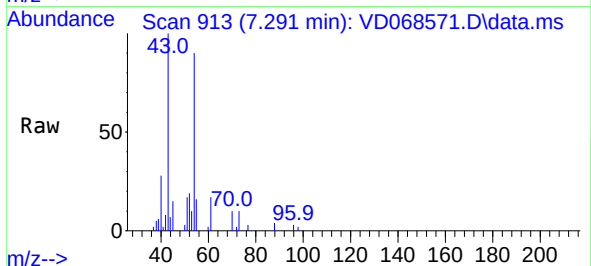
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 86006 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 36.2  | 19.4  | 58.2  |
| 77       | 31.0  | 25.3  | 37.9  |





#37  
Ethyl Acetate  
Concen: 17.86 ug/l  
RT: 7.291 min Scan# 913  
Delta R.T. -0.006 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

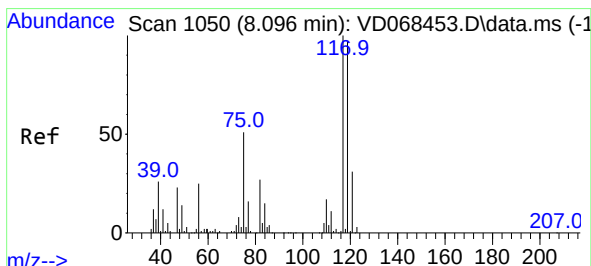
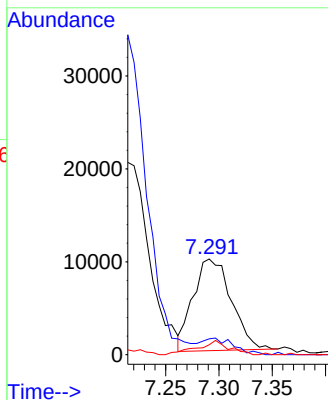
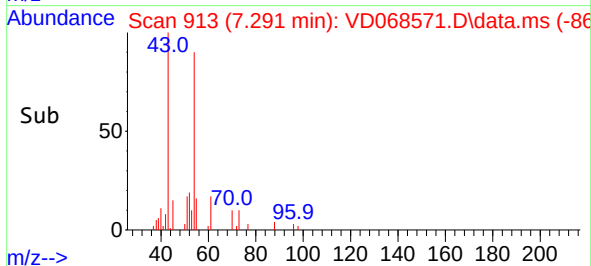
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01



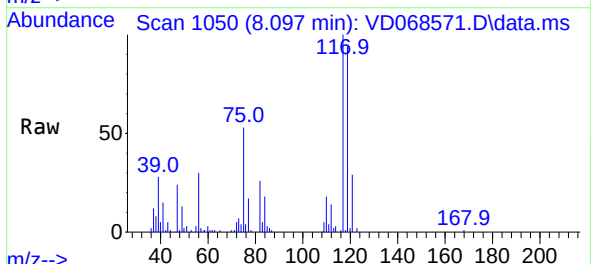
Tgt Ion: 43 Resp: 24618  
Ion Ratio Lower Upper  
43 100  
61 14.6 12.9 19.3  
70 12.7 11.0 16.6

Manual Integrations  
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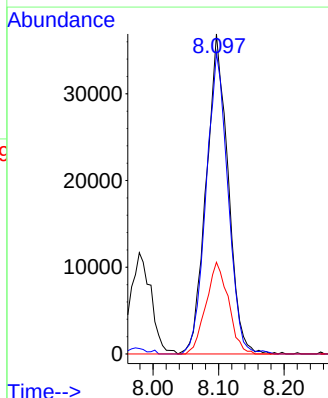
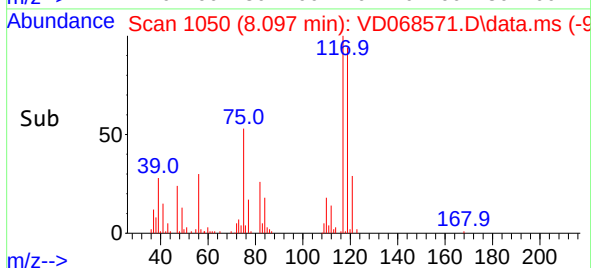
SAM  
3/10/2021 3:12:29 PM

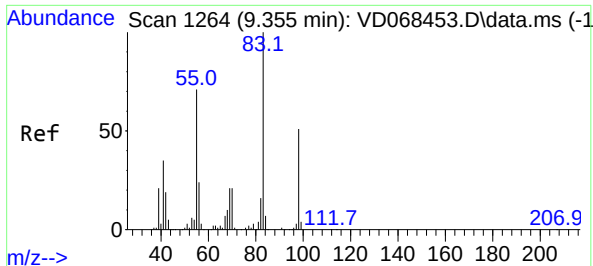


#38  
Carbon Tetrachloride  
Concen: 21.83 ug/l  
RT: 8.097 min Scan# 1050  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



Tgt Ion: 117 Resp: 85217  
Ion Ratio Lower Upper  
117 100  
119 94.1 77.3 115.9  
121 28.6 24.7 37.1





#39

Methylcyclohexane

Concen: 20.77 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VD068571.D

Acq: 09 Mar 2021 11:23

Tgt Ion: 83 Resp: 106416

Ion Ratio Lower Upper

83 100

55 67.9 55.2 82.8

98 48.8 39.1 58.7

Instrument :

MSVOA\_D

ClientSampleId :

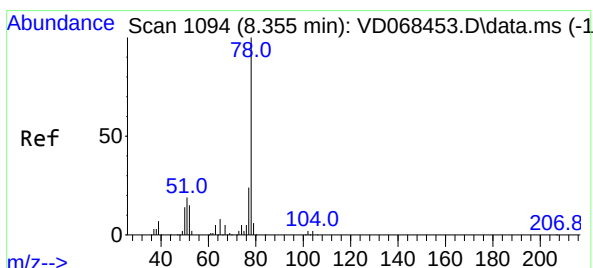
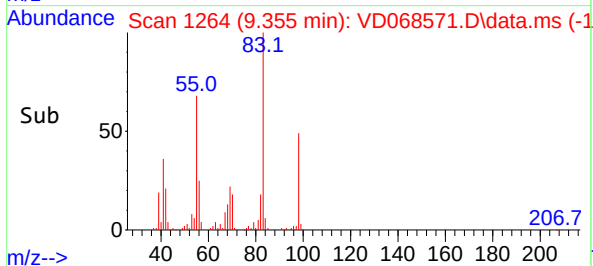
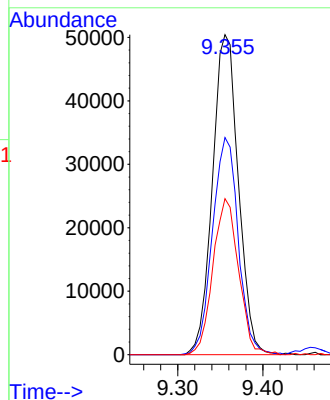
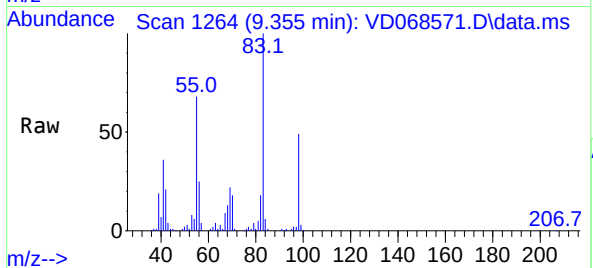
VD0309SBS01

Manual Integrations

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#40

Benzene

Concen: 20.99 ug/l

RT: 8.350 min Scan# 1093

Delta R.T. -0.006 min

Lab File: VD068571.D

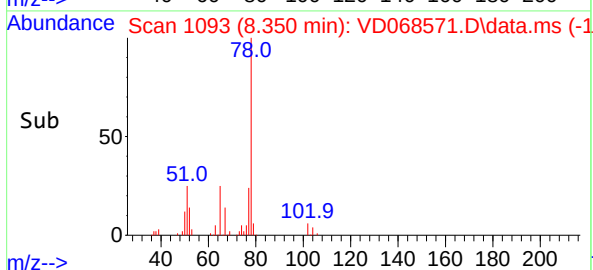
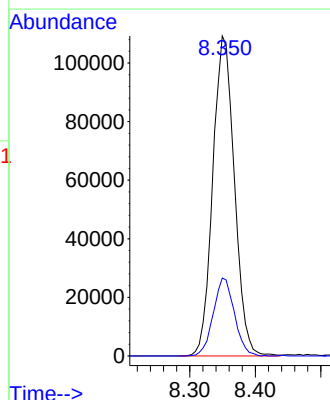
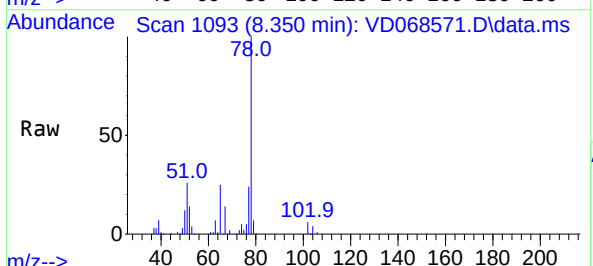
Acq: 09 Mar 2021 11:23

Tgt Ion: 78 Resp: 250189

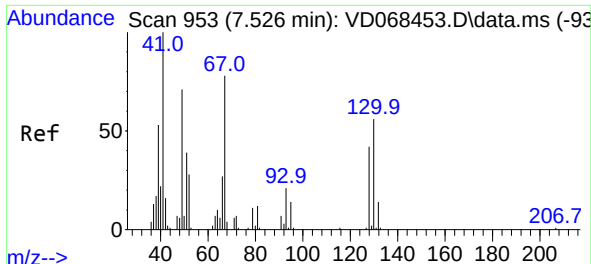
Ion Ratio Lower Upper

78 100

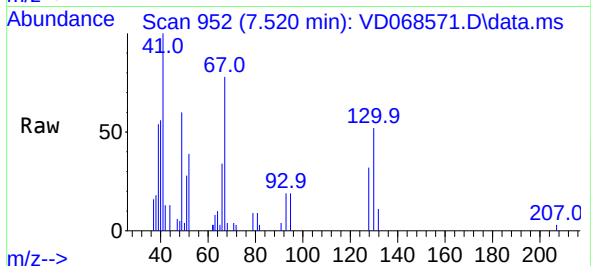
77 24.4 17.8 26.6



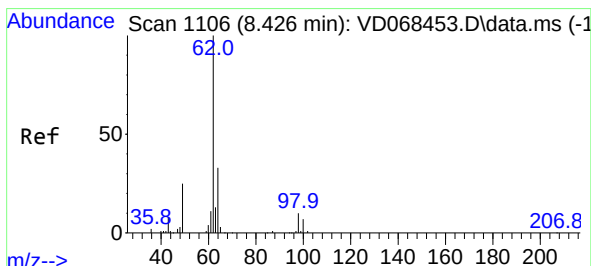
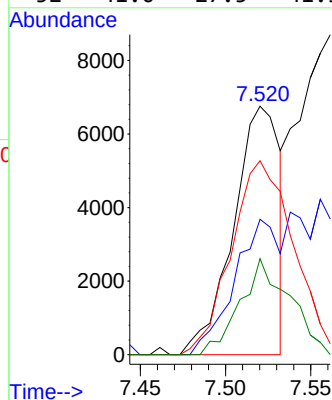
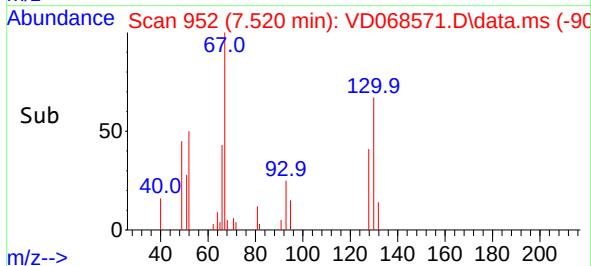




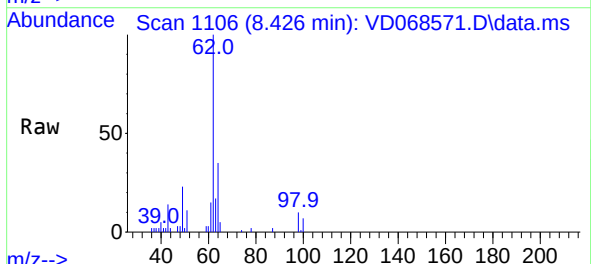
#41  
Methacrylonitrile  
Concen: 16.01 ug/l  
RT: 7.520 min Scan# 952  
Delta R.T. -0.006 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



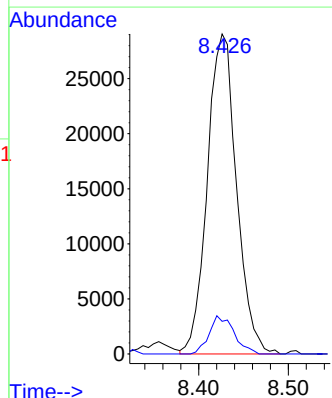
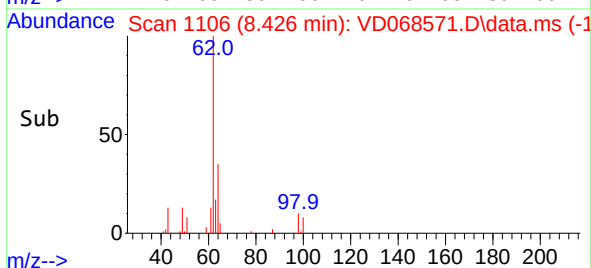
Tgt Ion: 41 Resp: 12809  
Ion Ratio Lower Upper  
41 100  
39 52.6 45.2 67.8  
67 105.1 67.4 101.2#  
52 41.0 27.5 41.3



#42  
1,2-Dichloroethane  
Concen: 20.97 ug/l  
RT: 8.426 min Scan# 1106  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



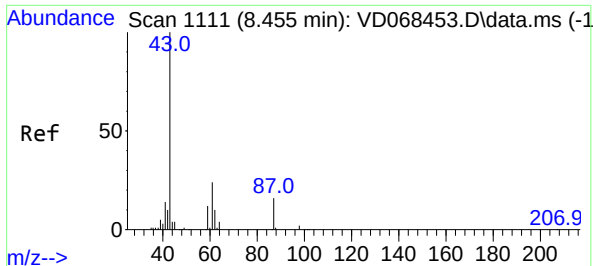
Tgt Ion: 62 Resp: 65711  
Ion Ratio Lower Upper  
62 100  
98 10.2 0.0 21.8



Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

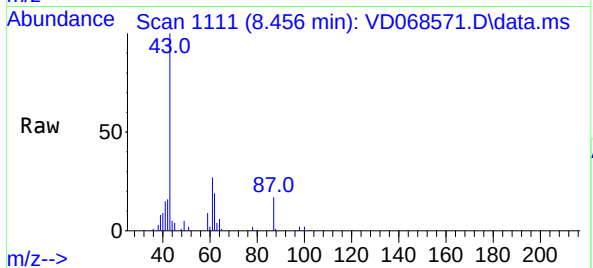
Manual Integrations  
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#43  
Isopropyl Acetate  
Concen: 20.62 ug/l  
RT: 8.456 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

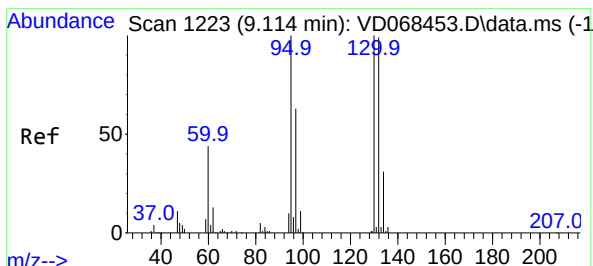
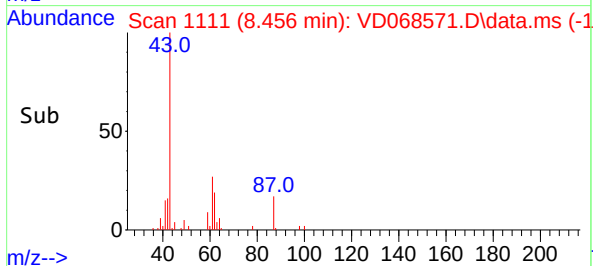
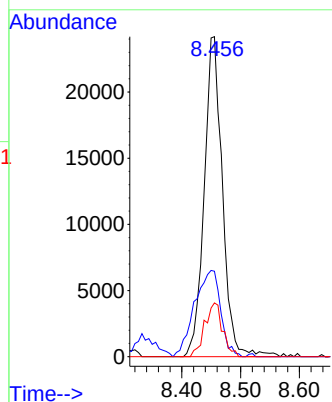
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01



Tgt Ion: 43 Resp: 52225  
Ion Ratio Lower Upper  
43 100  
61 38.4 28.7 43.1  
87 16.4 13.9 20.9

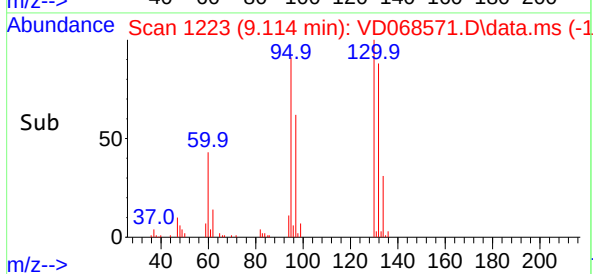
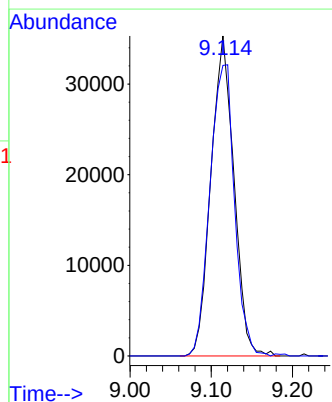
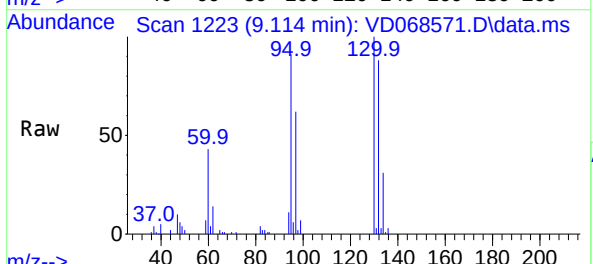
Manual Integrations  
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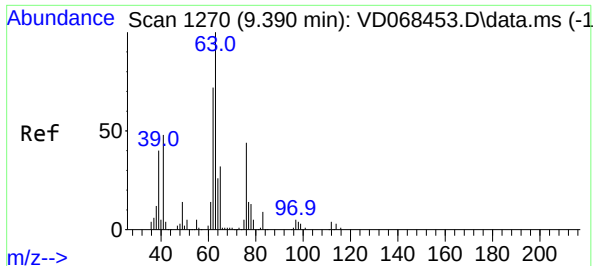
SAM  
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#44  
Trichloroethene  
Concen: 21.23 ug/l  
RT: 9.114 min Scan# 1223  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 130 Resp: 69458  
Ion Ratio Lower Upper  
130 100  
95 90.8 0.0 191.2





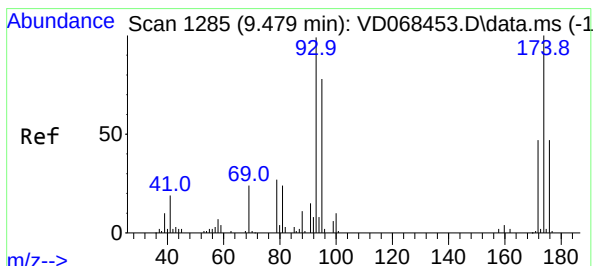
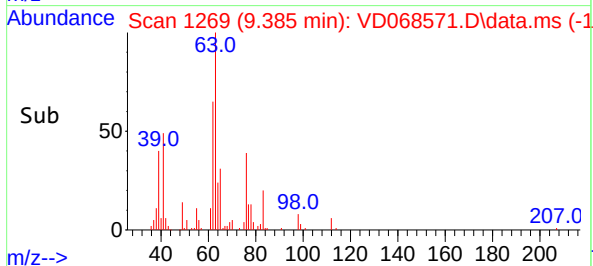
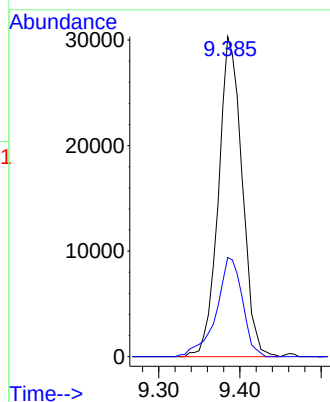
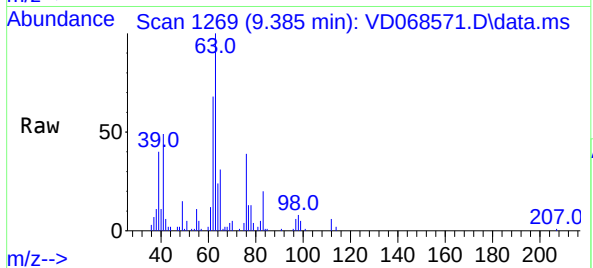
#45  
1,2-Dichloropropane  
Concen: 21.54 ug/l  
RT: 9.385 min Scan# 1269  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 63 Resp: 61376  
Ion Ratio Lower Upper  
63 100  
65 31.0 26.6 40.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

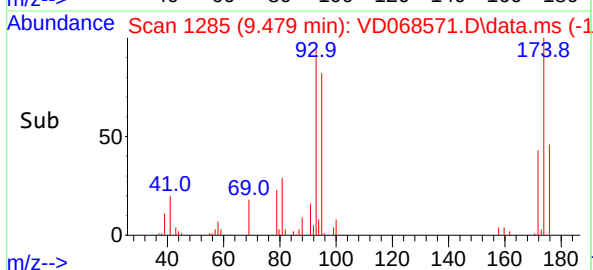
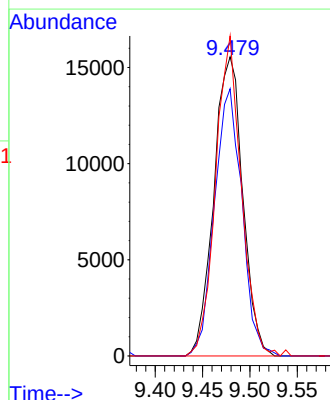
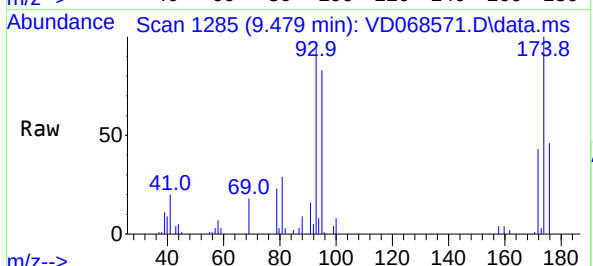
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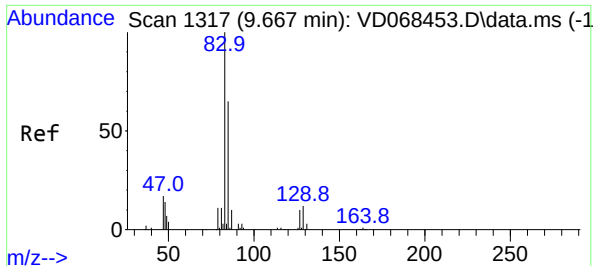
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#46  
Dibromomethane  
Concen: 21.33 ug/l  
RT: 9.479 min Scan# 1285  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 93 Resp: 33049  
Ion Ratio Lower Upper  
93 100  
95 84.9 67.3 100.9  
174 95.4 84.6 127.0





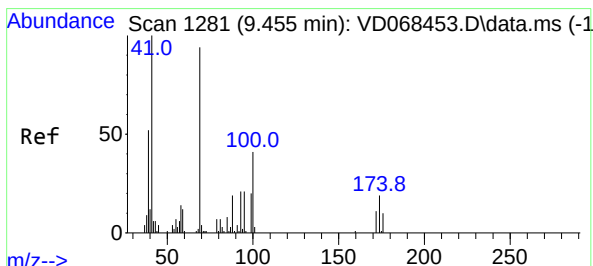
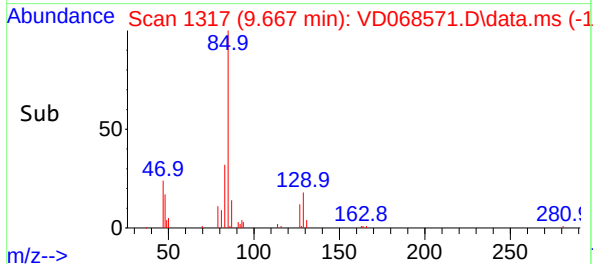
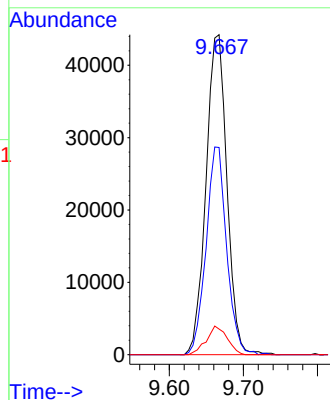
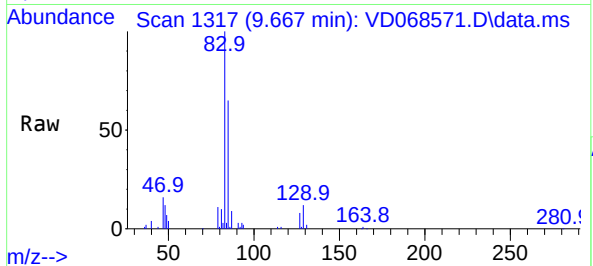
#47  
Bromodichloromethane  
Concen: 21.65 ug/l  
RT: 9.667 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 83 Resp: 86803  
Ion Ratio Lower Upper  
83 100  
85 64.7 51.6 77.4  
127 8.0 7.4 11.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

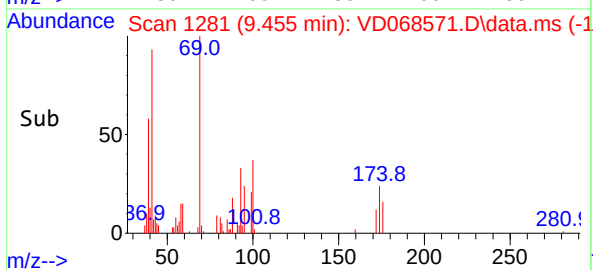
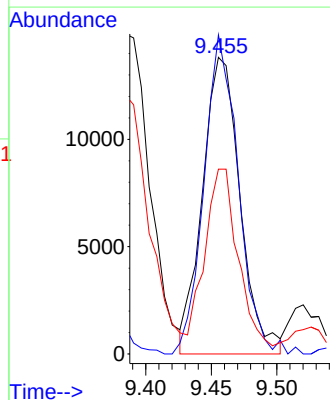
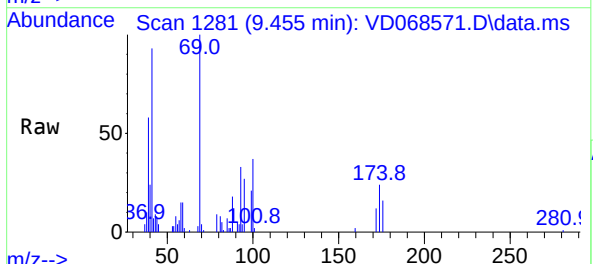
Manual Integrations  
APPROVED

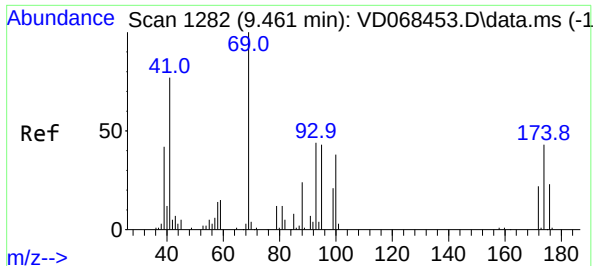
SAM  
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#48  
Methyl methacrylate  
Concen: 20.46 ug/l  
RT: 9.455 min Scan# 1281  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 41 Resp: 27624  
Ion Ratio Lower Upper  
41 100  
69 98.2 77.1 115.7  
39 51.0 41.5 62.3





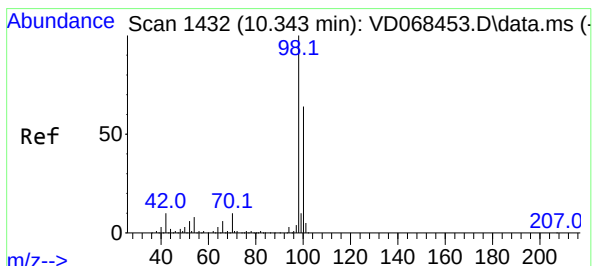
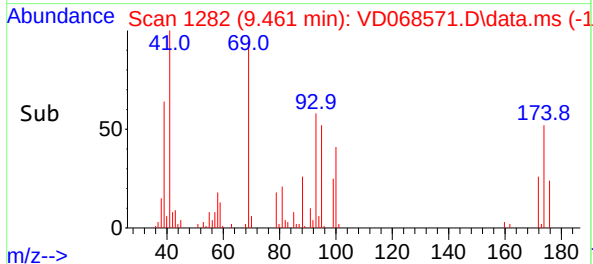
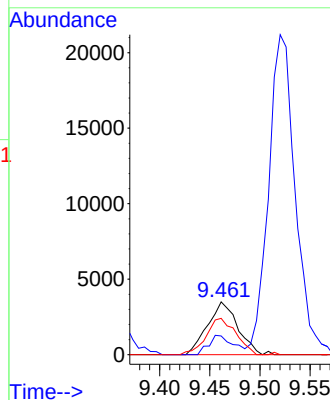
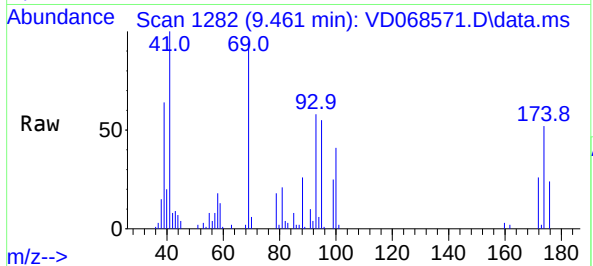
#49  
1,4-Dioxane  
Concen: 416.26 ug/l  
RT: 9.461 min Scan# 1282  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 88 Resp: 7357  
Ion Ratio Lower Upper  
88 100  
43 29.7 22.1 33.1  
58 67.5 46.7 70.1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

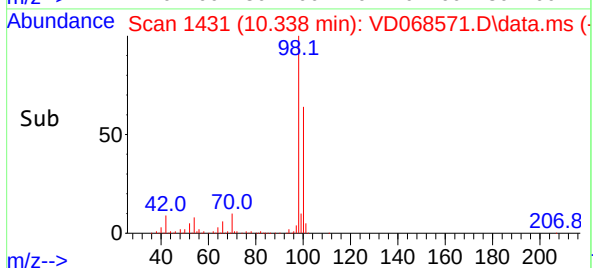
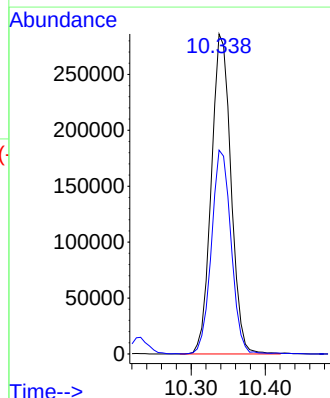
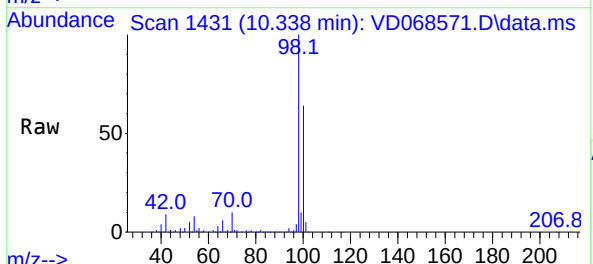
Manual Integrations  
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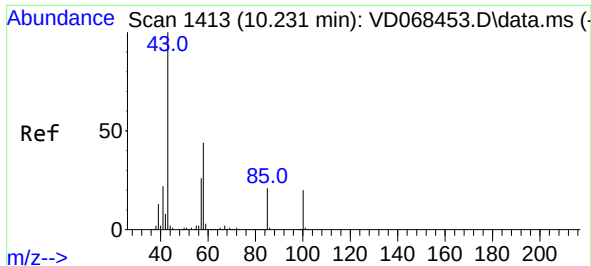
SAM  
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#50  
Toluene-d8  
Concen: 50.22 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 98 Resp: 526608  
Ion Ratio Lower Upper  
98 100  
100 63.7 53.0 79.4





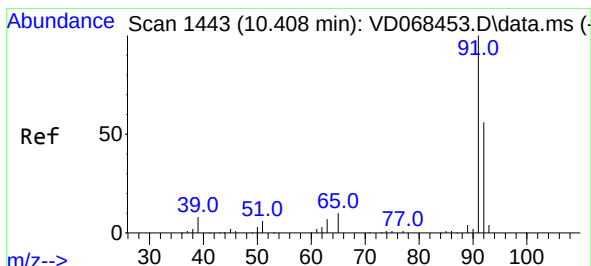
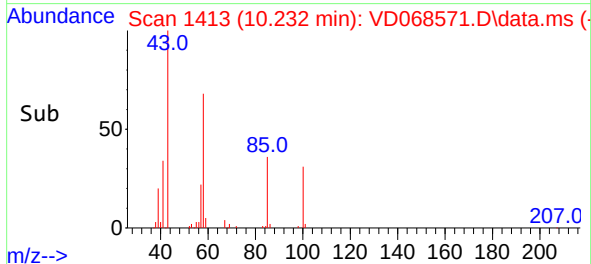
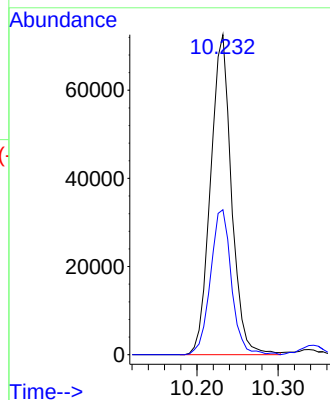
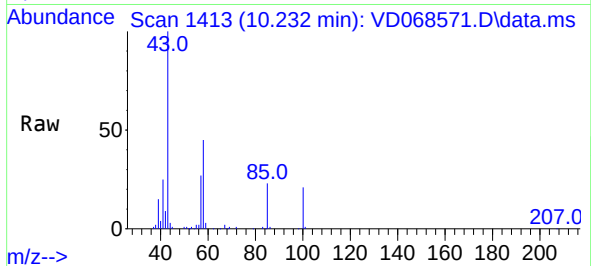
#51  
4-Methyl-2-Pentanone  
Concen: 98.11 ug/l  
RT: 10.232 min Scan# 1413  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 43 Resp: 130058  
Ion Ratio Lower Upper  
43 100  
58 45.5 36.1 54.1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

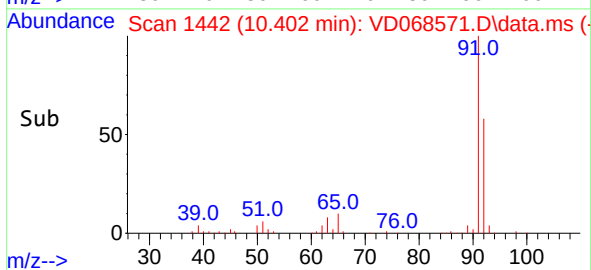
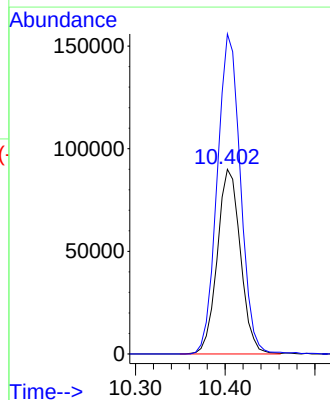
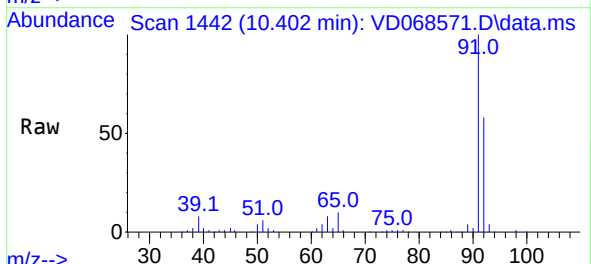
Manual Integrations  
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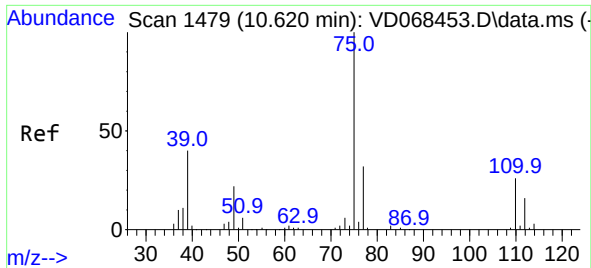
SAM  
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#52  
Toluene  
Concen: 21.21 ug/l  
RT: 10.402 min Scan# 1442  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 92 Resp: 161374  
Ion Ratio Lower Upper  
92 100  
91 174.0 134.1 201.1





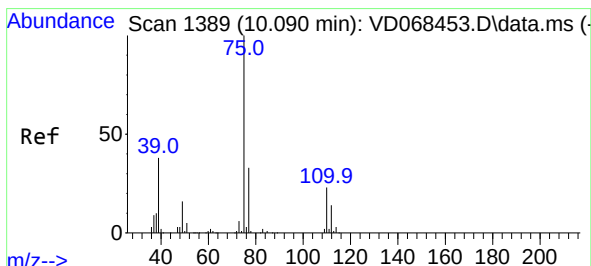
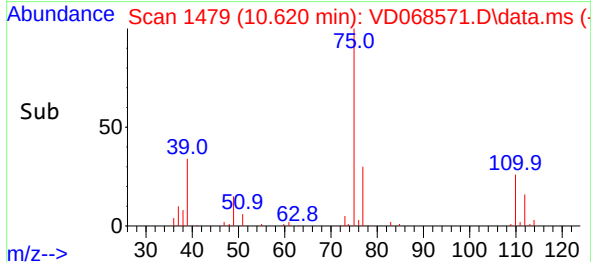
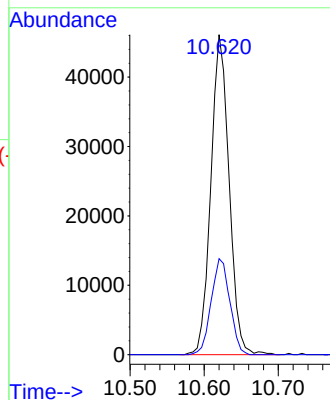
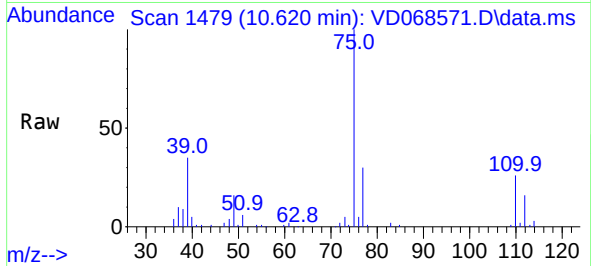
#53  
t-1,3-Dichloropropene  
Concen: 21.25 ug/l  
RT: 10.620 min Scan# 1479  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 75 Resp: 78721  
Ion Ratio Lower Upper  
75 100  
77 30.0 25.0 37.4

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

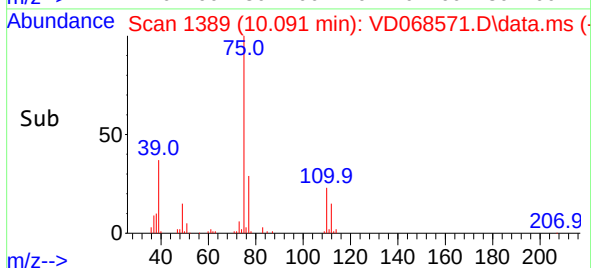
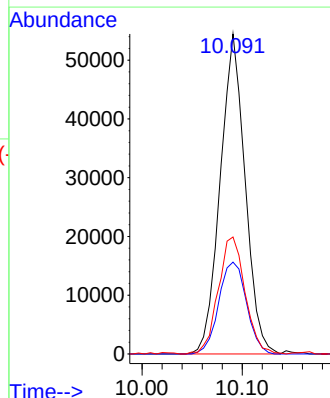
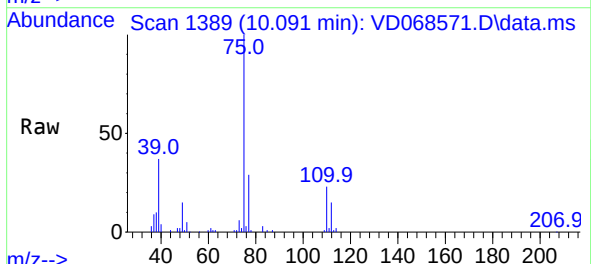
Manual Integrations  
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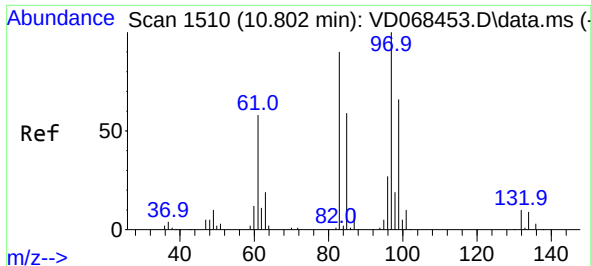
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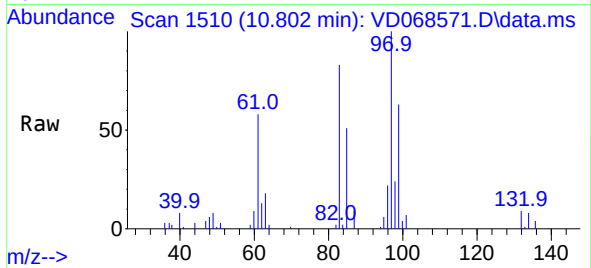
#54  
cis-1,3-Dichloropropene  
Concen: 20.76 ug/l  
RT: 10.091 min Scan# 1389  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 75 Resp: 93844  
Ion Ratio Lower Upper  
75 100  
77 28.7 24.6 37.0  
39 36.5 31.4 47.0



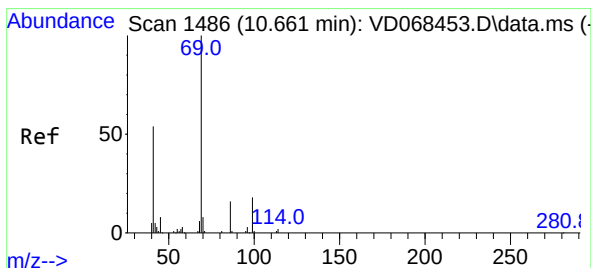
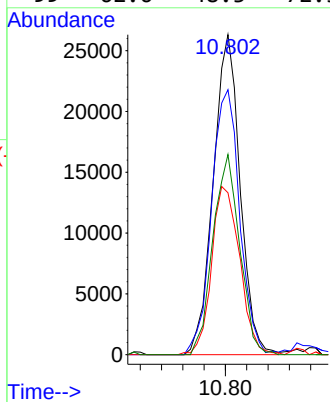
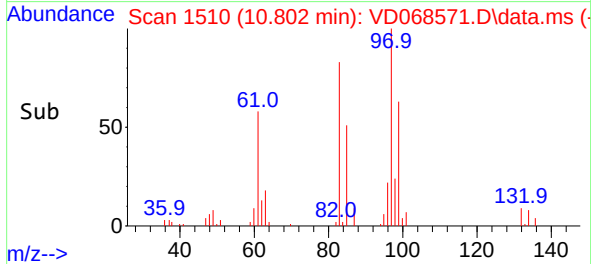


#55  
1,1,2-Trichloroethane  
Concen: 21.46 ug/l  
RT: 10.802 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

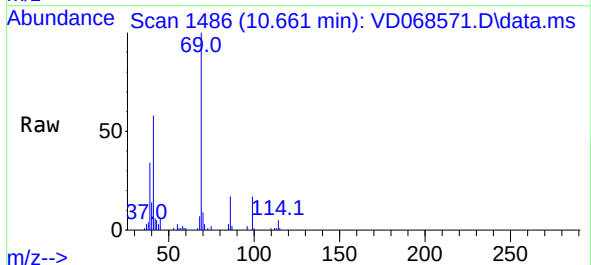


Tgt Ion: 97 Resp: 46035

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 82.8  | 61.8  | 92.6  |
| 85  | 50.6  | 42.2  | 63.2  |
| 99  | 62.6  | 48.3  | 72.5  |

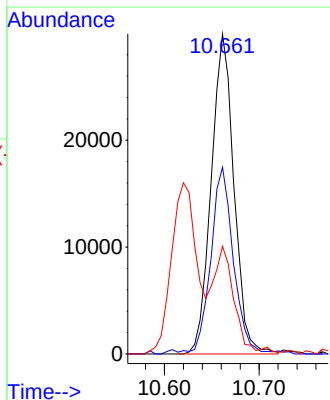
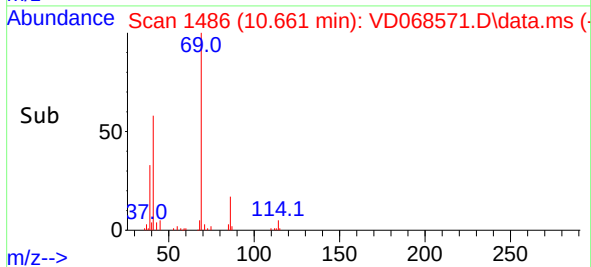


#56  
Ethyl methacrylate  
Concen: 20.25 ug/l  
RT: 10.661 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



Tgt Ion: 69 Resp: 49912

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 55.2  | 44.9  | 67.3  |
| 39  | 30.4  | 21.9  | 32.9  |

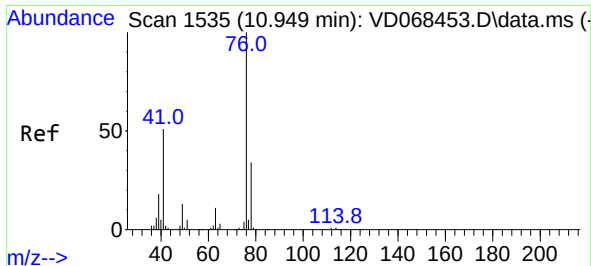


Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

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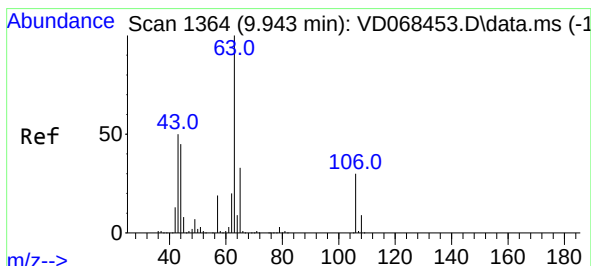
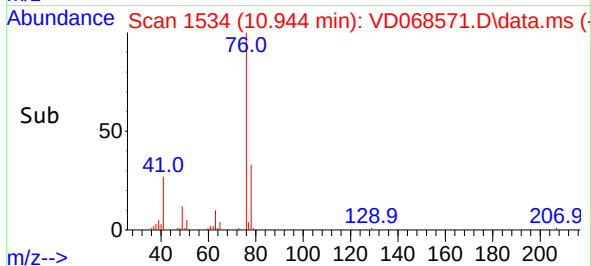
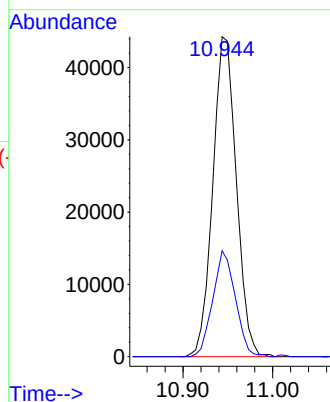
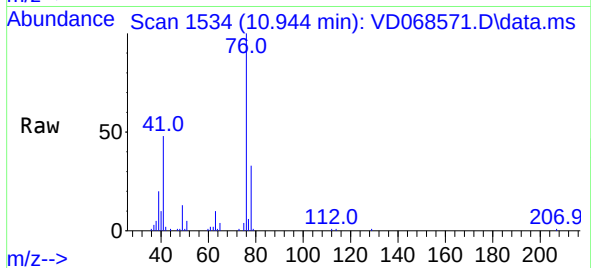
#57  
1,3-Dichloropropane  
Concen: 21.57 ug/l  
RT: 10.944 min Scan# 1534  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 76 Resp: 80740  
Ion Ratio Lower Upper  
76 100  
78 31.8 25.6 38.4

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

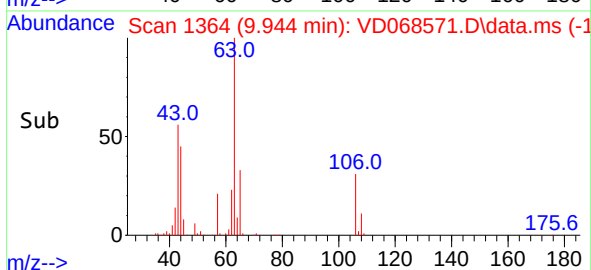
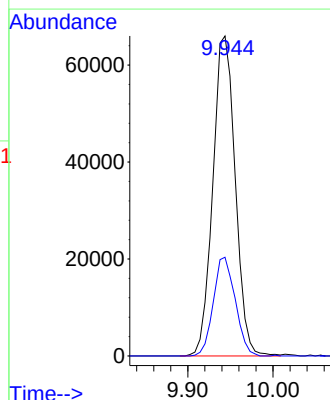
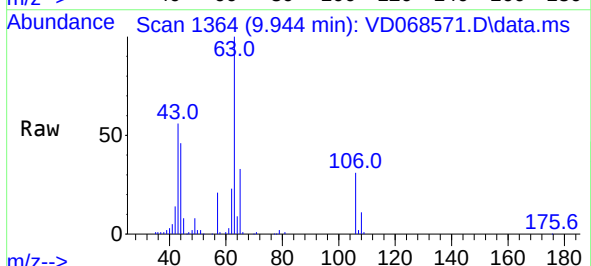
Manual Integrations  
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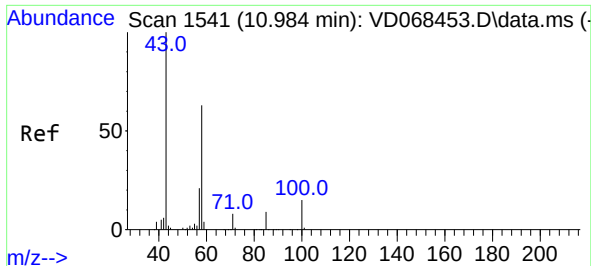
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#58  
2-Chloroethyl Vinyl ether  
Concen: 97.78 ug/l  
RT: 9.944 min Scan# 1364  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 63 Resp: 120937  
Ion Ratio Lower Upper  
63 100  
106 30.1 27.0 40.4





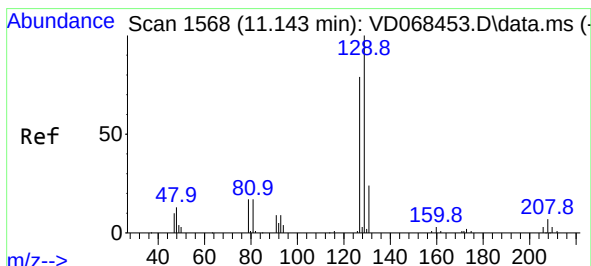
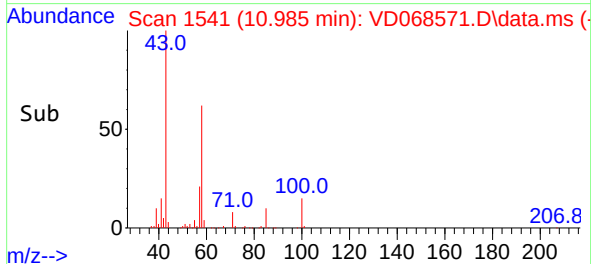
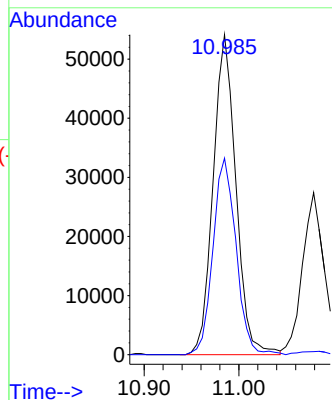
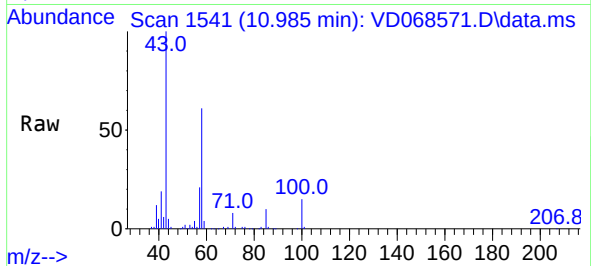
#59  
2-Hexanone  
Concen: 102.31 ug/l  
RT: 10.985 min Scan# 1541  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 43 Resp: 90402  
Ion Ratio Lower Upper  
43 100  
58 62.2 31.0 93.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

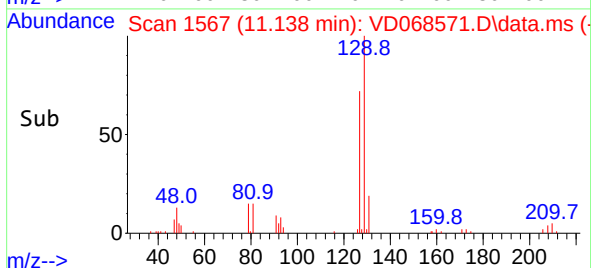
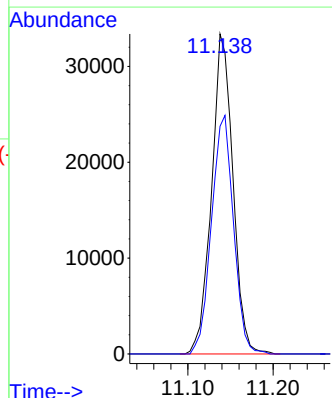
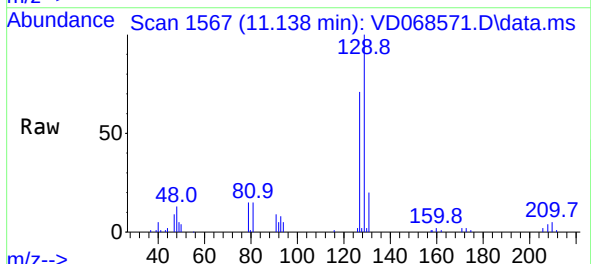
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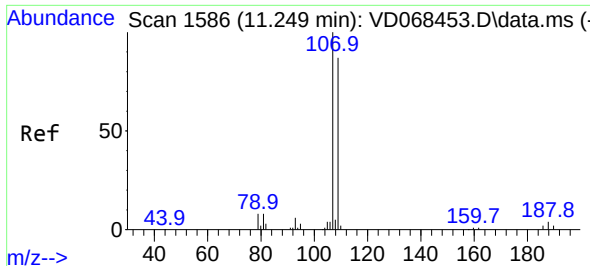
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#60  
Dibromochloromethane  
Concen: 21.91 ug/l  
RT: 11.138 min Scan# 1567  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

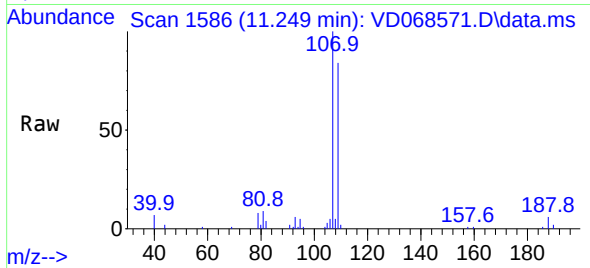
Tgt Ion:129 Resp: 58165  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.6 116.0





#61  
1,2-Dibromoethane  
Concen: 21.15 ug/l  
RT: 11.249 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

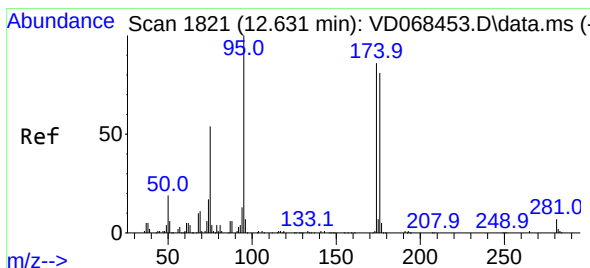
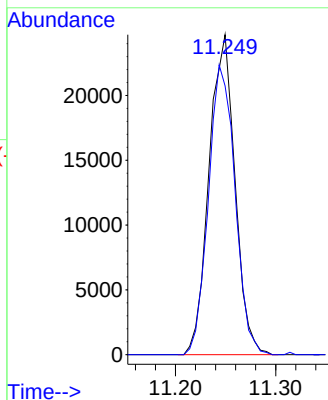
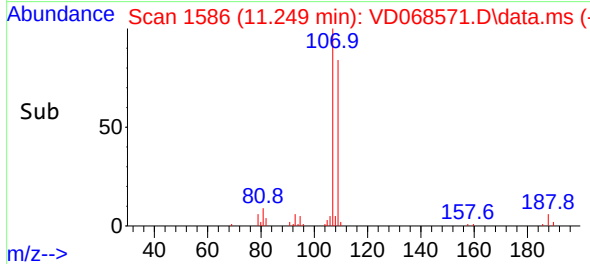
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01



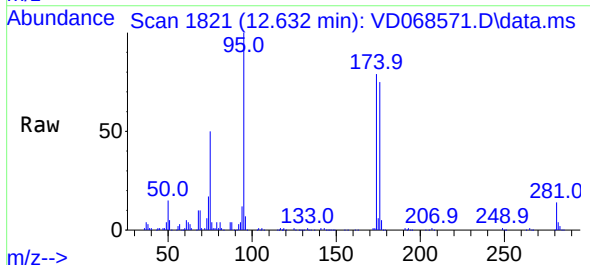
Tgt Ion:107 Resp: 44393  
Ion Ratio Lower Upper  
107 100  
109 92.9 74.8 112.2

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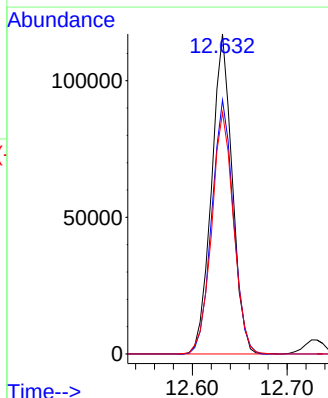
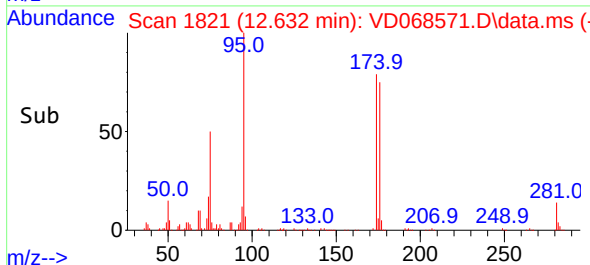
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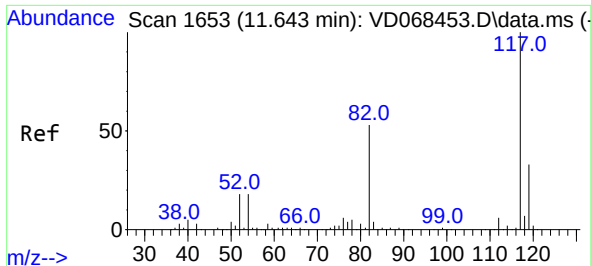


#62  
4-Bromofluorobenzene  
Concen: 52.45 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

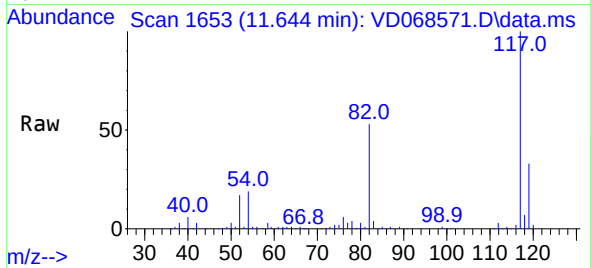


Tgt Ion: 95 Resp: 177274  
Ion Ratio Lower Upper  
95 100  
174 82.9 0.0 172.4  
176 79.7 0.0 168.4

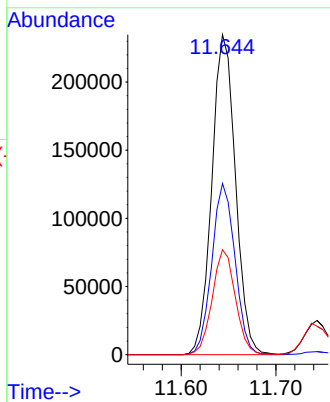
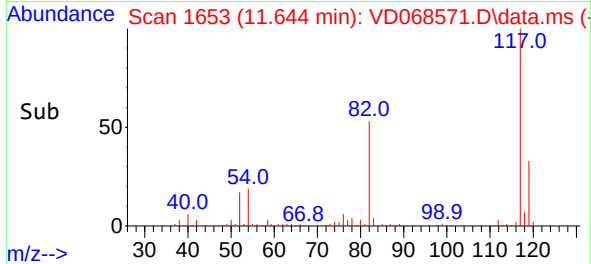




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



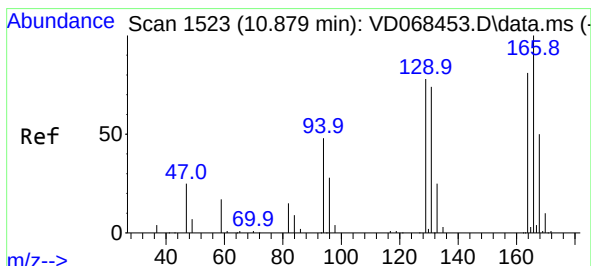
Tgt Ion:117 Resp: 407164  
Ion Ratio Lower Upper  
117 100  
82 53.5 41.4 62.0  
119 32.8 26.1 39.1



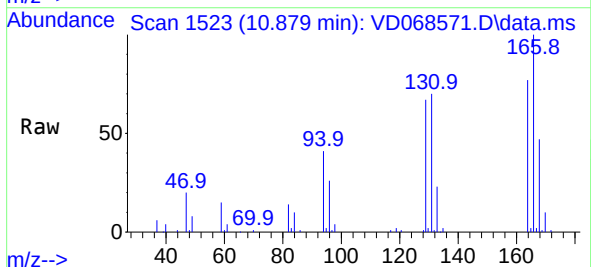
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

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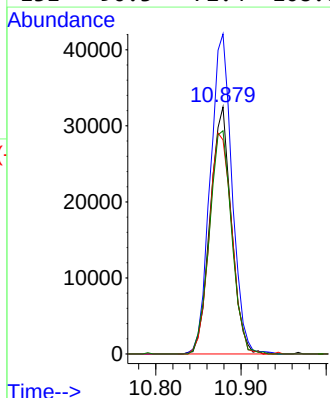
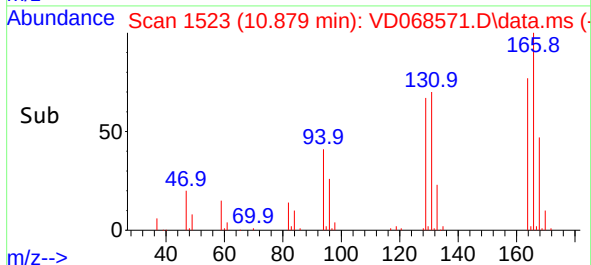
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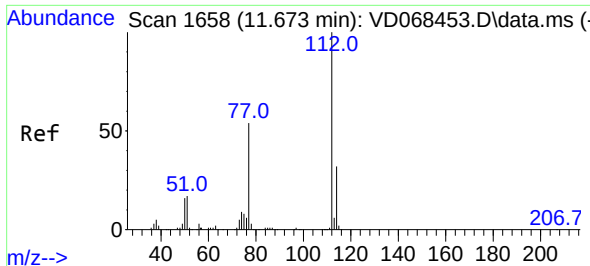


#64  
Tetrachloroethene  
Concen: 21.07 ug/l  
RT: 10.879 min Scan# 1523  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



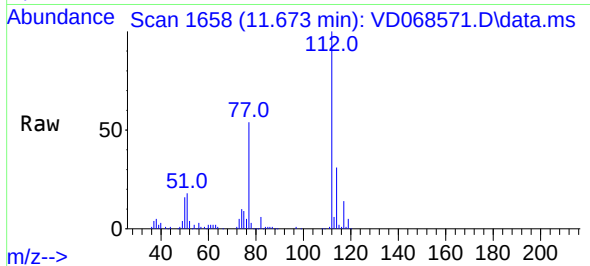
Tgt Ion:164 Resp: 56020  
Ion Ratio Lower Upper  
164 100  
166 129.5 105.5 158.3  
129 86.7 75.6 113.4  
131 90.3 72.4 108.6





#65  
Chlorobenzene  
Concen: 21.05 ug/l  
RT: 11.673 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

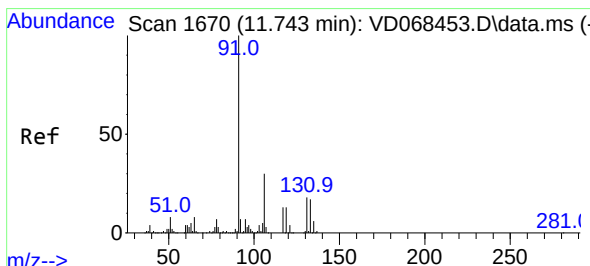
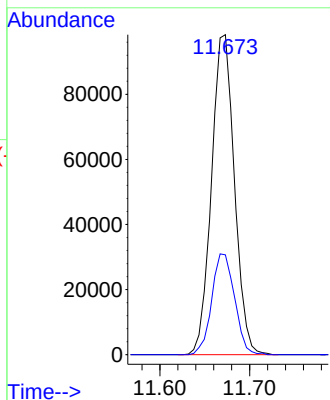
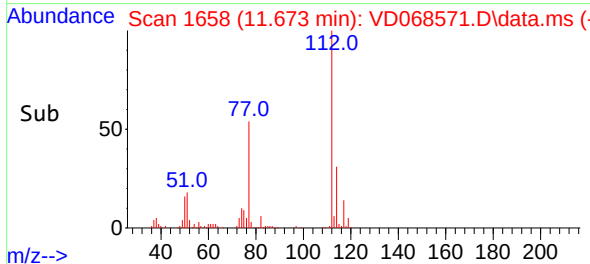
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01



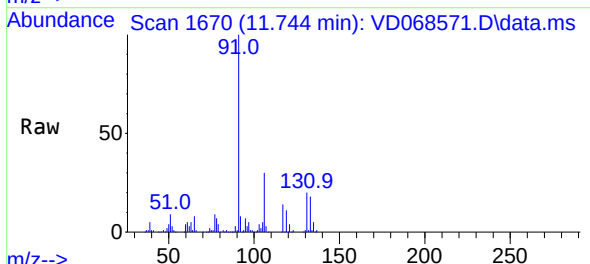
Tgt Ion:112 Resp: 174530  
Ion Ratio Lower Upper  
112 100  
114 31.2 25.7 38.5

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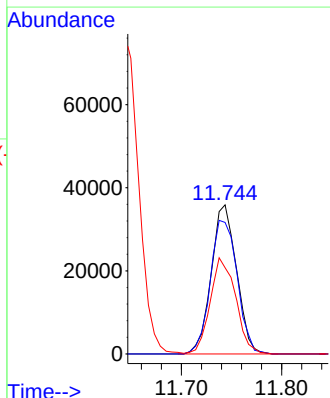
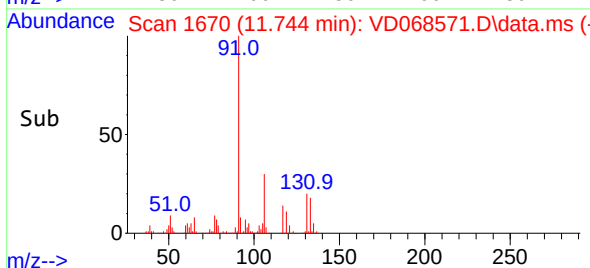
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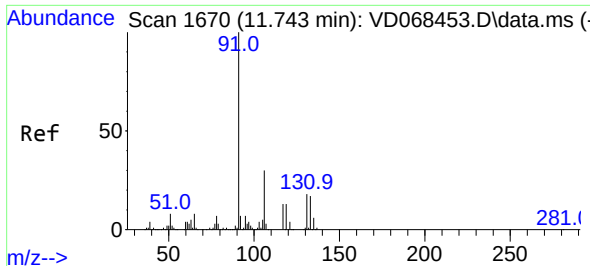


#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.81 ug/l  
RT: 11.744 min Scan# 1670  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



Tgt Ion:131 Resp: 62862  
Ion Ratio Lower Upper  
131 100  
133 95.6 48.1 144.4  
119 65.1 31.6 94.8





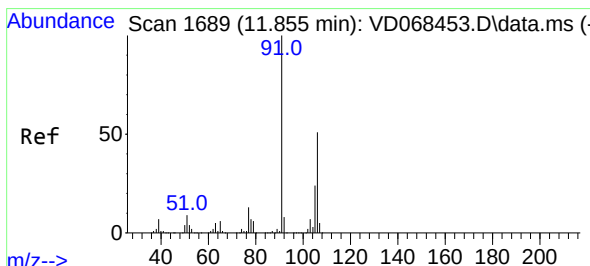
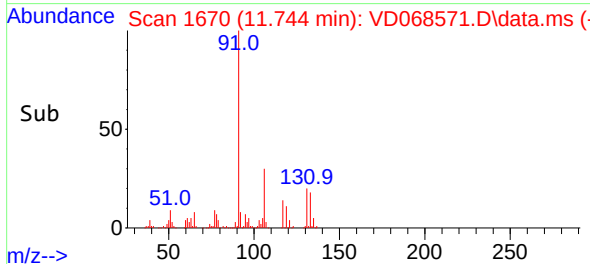
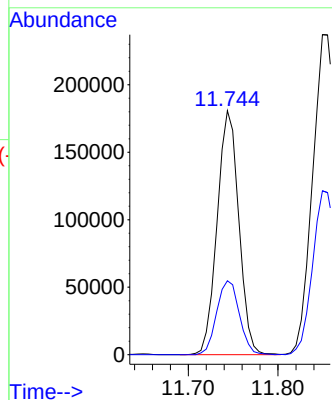
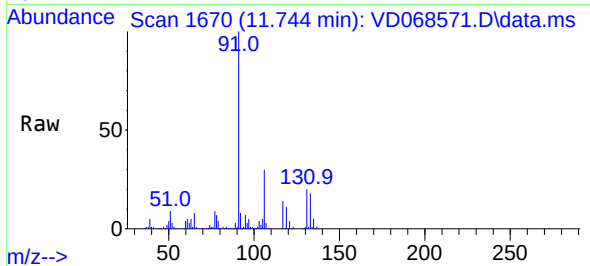
#67  
Ethyl Benzene  
Concen: 20.47 ug/l  
RT: 11.744 min Scan# 1670  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 91 Resp: 302987  
Ion Ratio Lower Upper  
91 100  
106 30.3 25.9 38.9

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

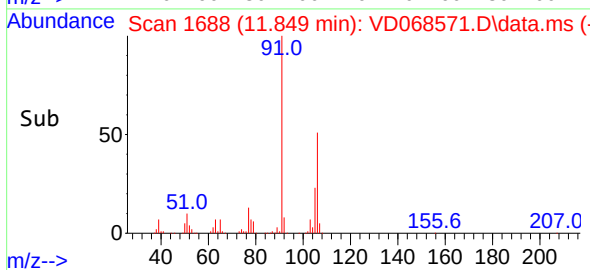
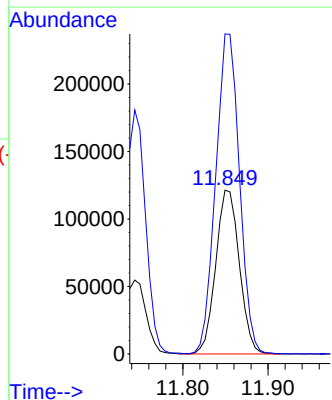
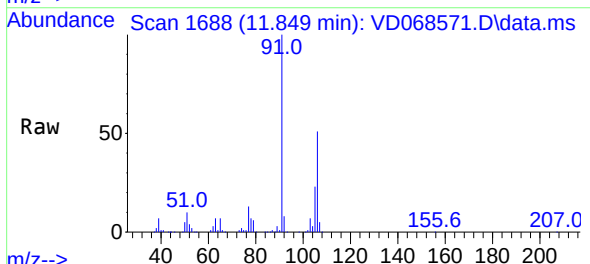
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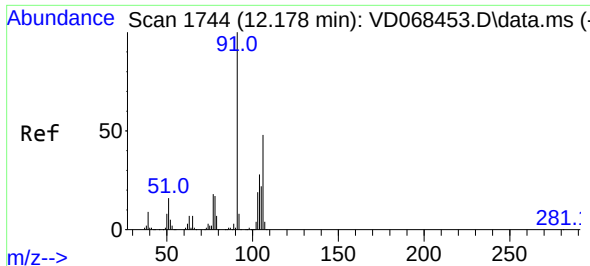
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#68  
m/p-Xylenes  
Concen: 41.63 ug/l  
RT: 11.849 min Scan# 1688  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 106 Resp: 234001  
Ion Ratio Lower Upper  
106 100  
91 197.2 159.1 238.7





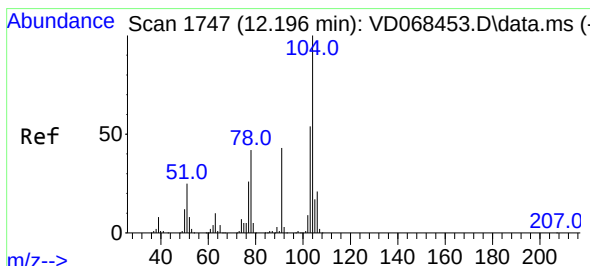
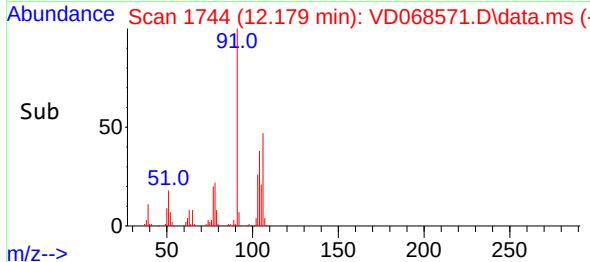
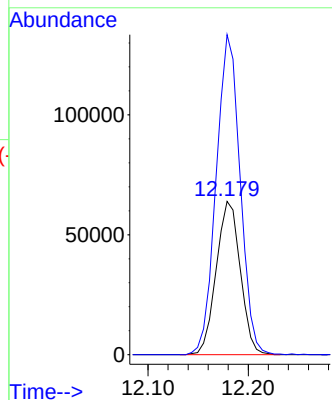
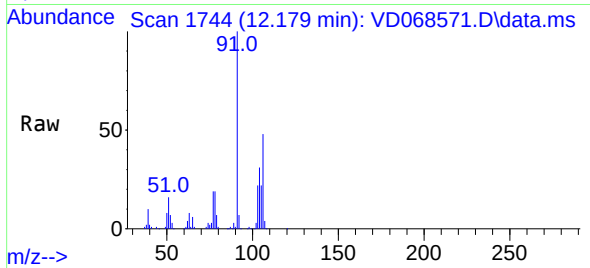
#69  
o-Xylene  
Concen: 20.54 ug/l  
RT: 12.179 min Scan# 1744  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion:106 Resp: 106343  
Ion Ratio Lower Upper  
106 100  
91 208.3 108.7 325.9

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

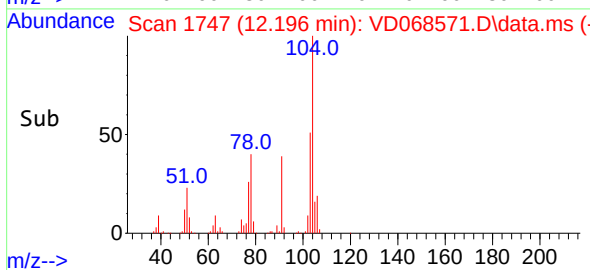
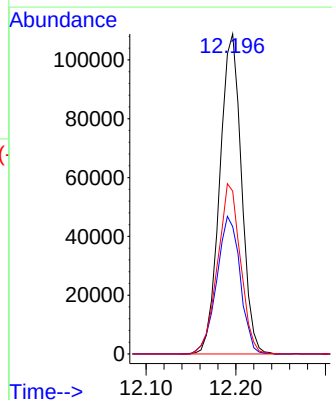
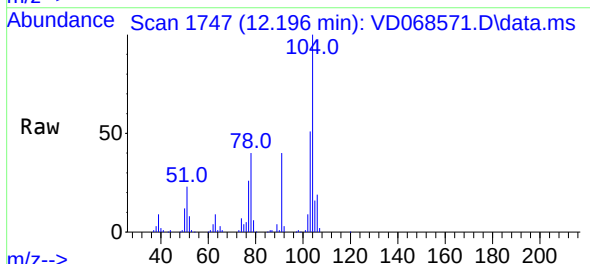
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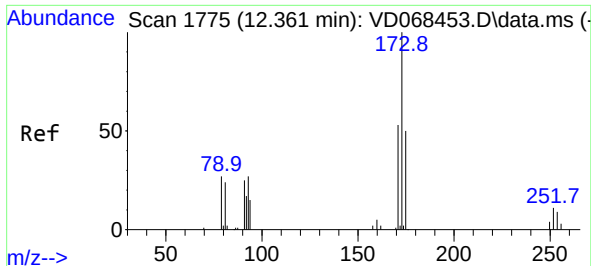
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#70  
Styrene  
Concen: 20.65 ug/l  
RT: 12.196 min Scan# 1747  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion:104 Resp: 182860  
Ion Ratio Lower Upper  
104 100  
78 46.5 38.2 57.2  
103 56.1 43.1 64.7





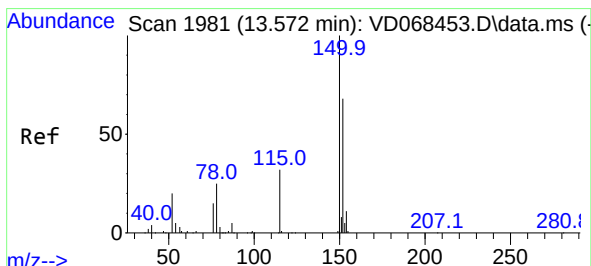
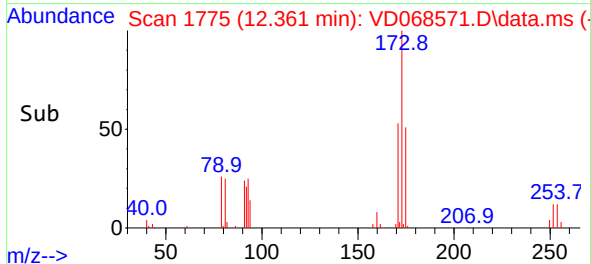
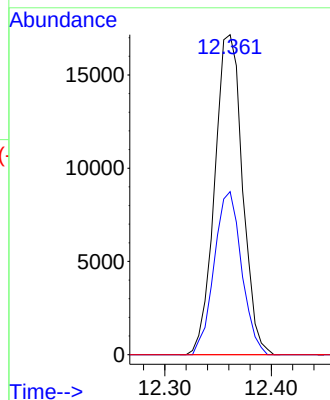
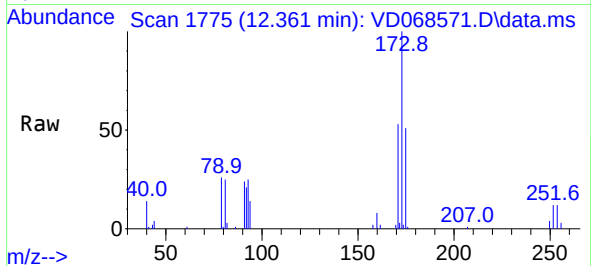
#71  
Bromoform  
Concen: 21.24 ug/l  
RT: 12.361 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion:173 Resp: 31101  
Ion Ratio Lower Upper  
173 100  
175 50.3 24.6 73.8  
254 0.0 0.0 0.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

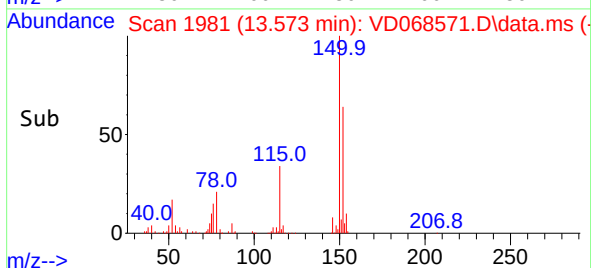
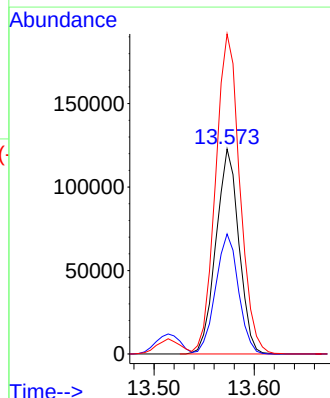
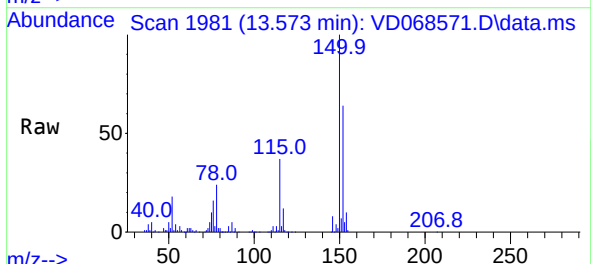
Manual Integrations  
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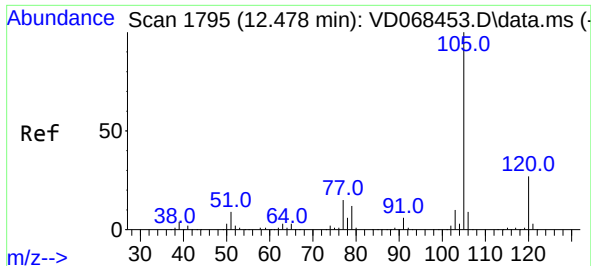


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.001 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion:152 Resp: 194592  
Ion Ratio Lower Upper  
152 100  
115 58.5 28.9 86.8  
150 165.4 0.0 344.4







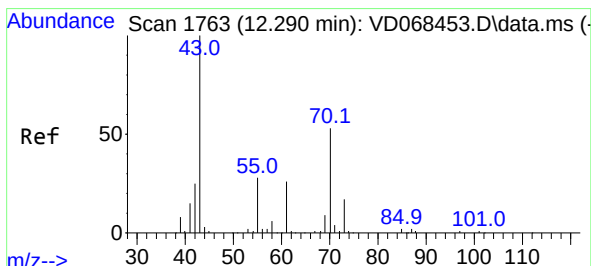
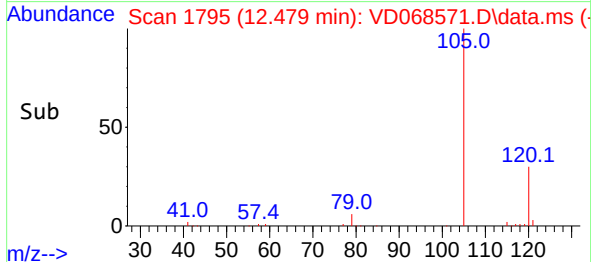
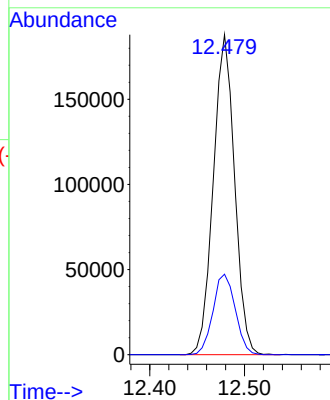
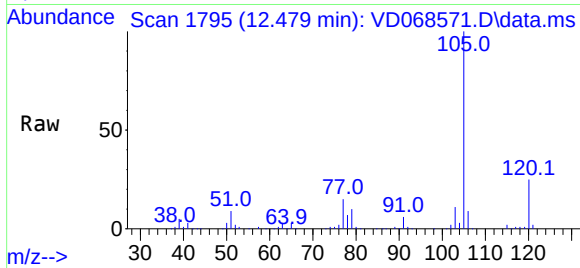
#73  
Isopropylbenzene  
Concen: 20.27 ug/l  
RT: 12.479 min Scan# 1795  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 105 Resp: 292492  
Ion Ratio Lower Upper  
105 100  
120 26.4 13.2 39.6

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

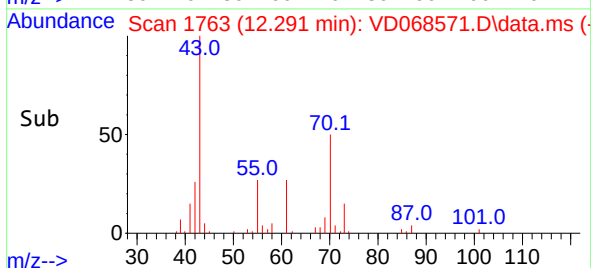
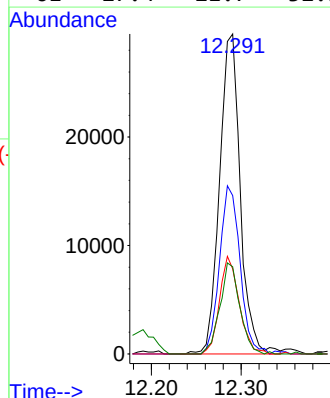
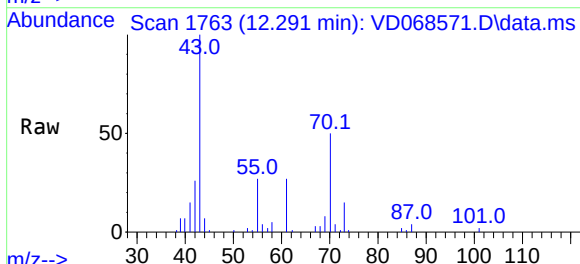
Manual Integrations  
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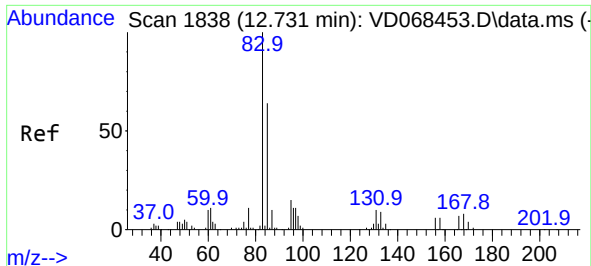
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#74  
N-ethyl acetate  
Concen: 19.26 ug/l  
RT: 12.291 min Scan# 1763  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 43 Resp: 47343  
Ion Ratio Lower Upper  
43 100  
70 52.0 41.8 62.8  
55 28.9 24.2 36.4  
61 27.4 21.7 32.5





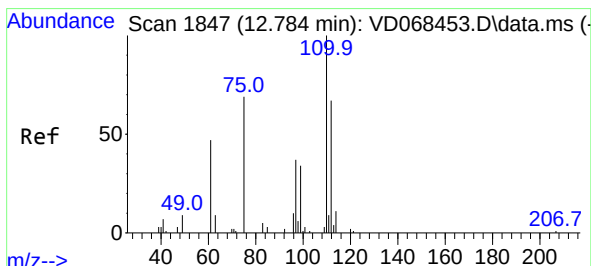
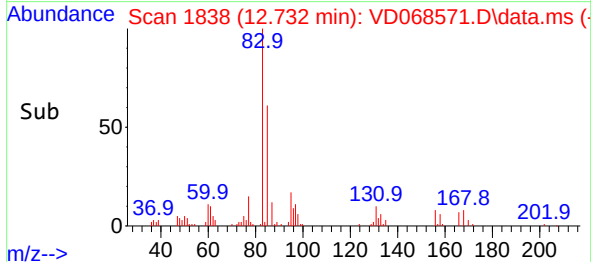
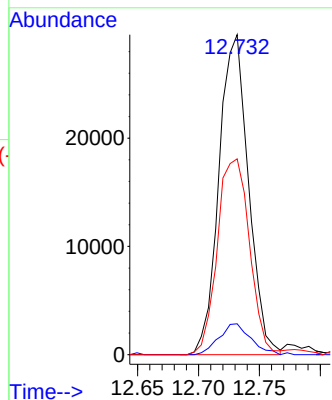
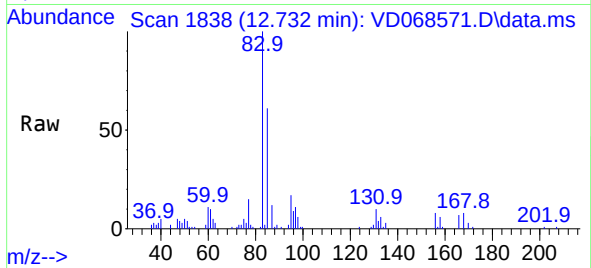
#75  
1,1,2,2-Tetrachloroethane  
Concen: 20.07 ug/l  
RT: 12.732 min Scan# 1838  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 83 Resp: 49842  
Ion Ratio Lower Upper  
83 100  
131 10.5 5.8 17.4  
85 66.6 32.4 97.2

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

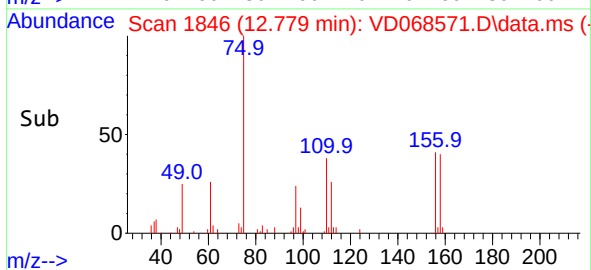
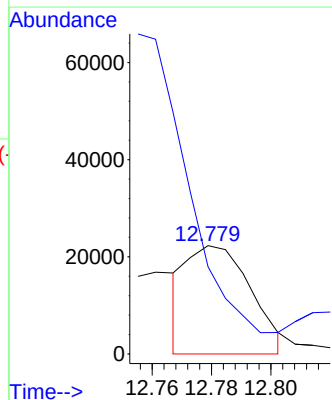
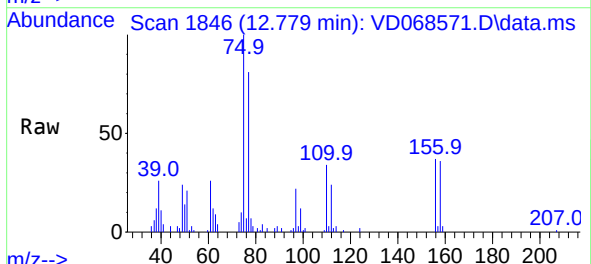
Manual Integrations  
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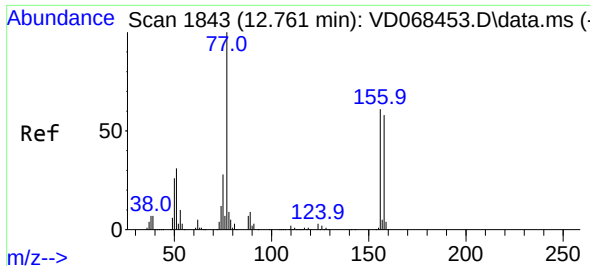
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#76  
1,2,3-Trichloropropane  
Concen: 19.27 ug/l m  
RT: 12.779 min Scan# 1846  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 75 Resp: 33288  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





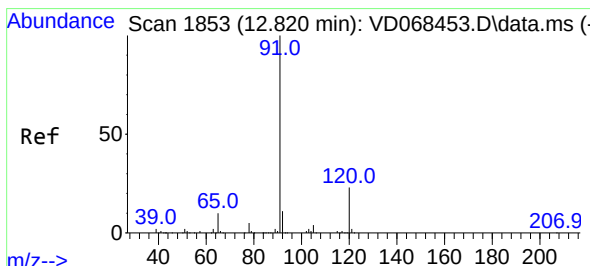
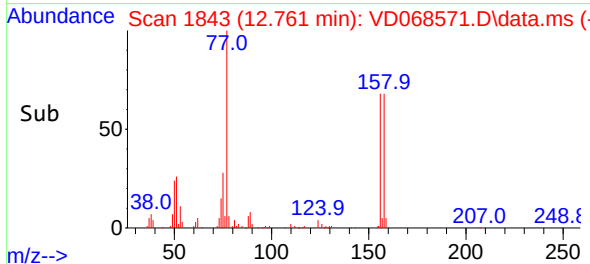
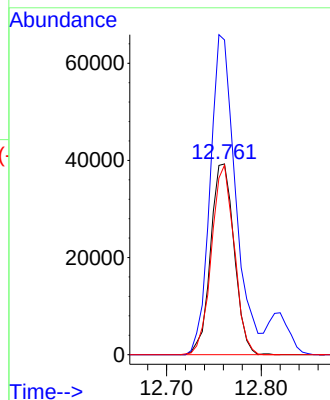
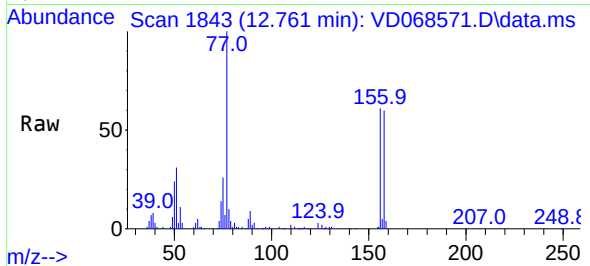
#77  
Bromobenzene  
Concen: 20.62 ug/l  
RT: 12.761 min Scan# 1843  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion: 156 Resp: 67920  
Ion Ratio Lower Upper  
156 100  
77 179.4 82.8 248.3  
158 95.9 48.0 144.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

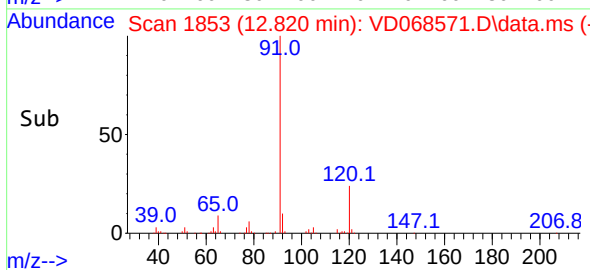
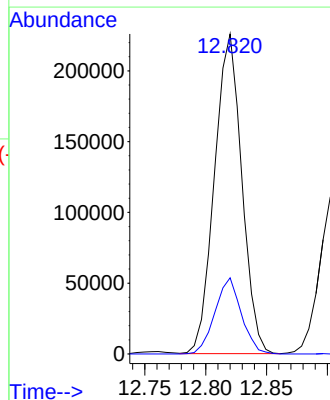
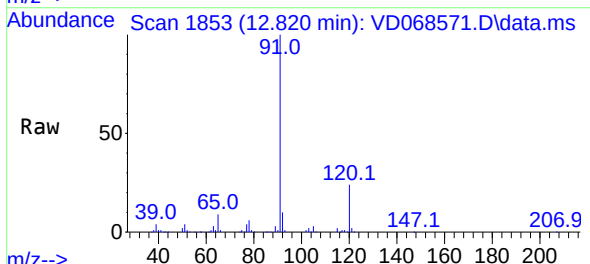
Manual Integrations  
APPROVED

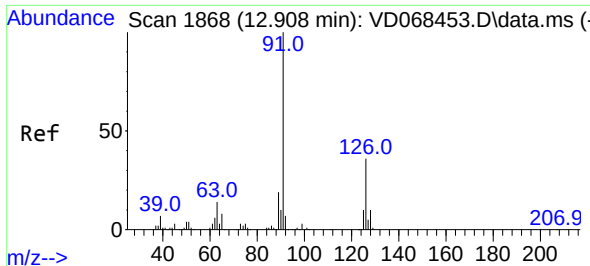
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#78  
n-propylbenzene  
Concen: 20.46 ug/l  
RT: 12.820 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

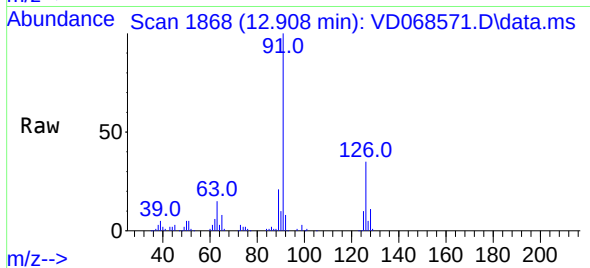
Tgt Ion: 91 Resp: 352774  
Ion Ratio Lower Upper  
91 100  
120 23.0 12.0 36.0





#79  
2-Chlorotoluene  
Concen: 20.49 ug/l  
RT: 12.908 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

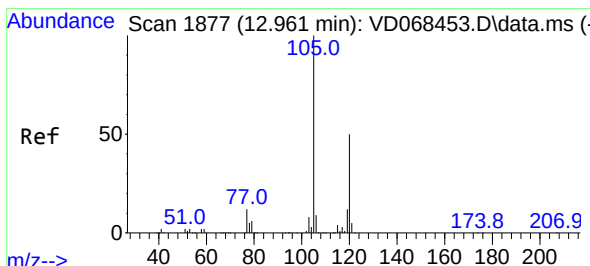
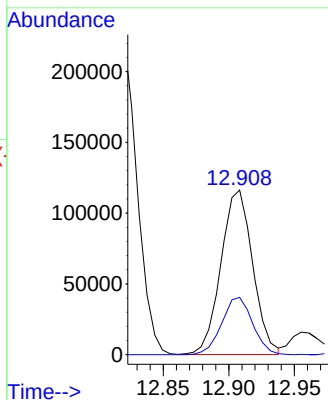
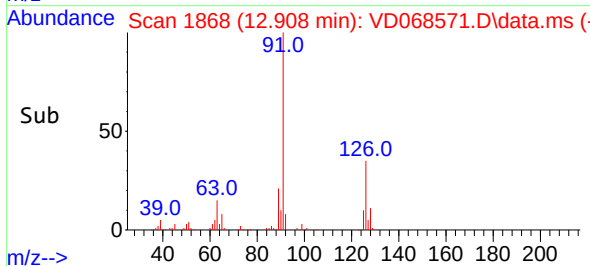
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01



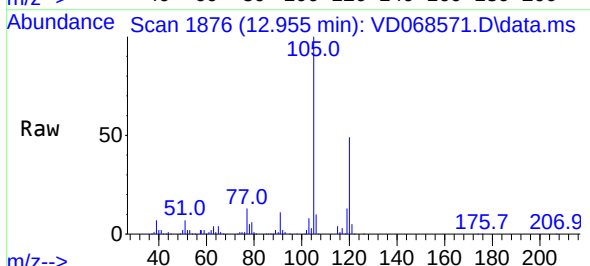
Tgt Ion: 91 Resp: 196127  
Ion Ratio Lower Upper  
91 100  
126 33.9 17.8 53.5

Manual Integrations  
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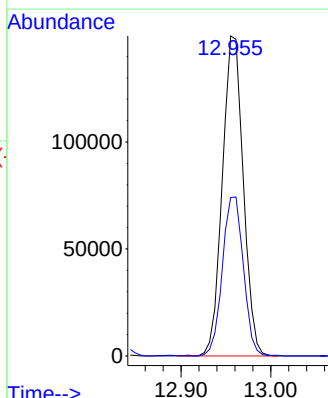
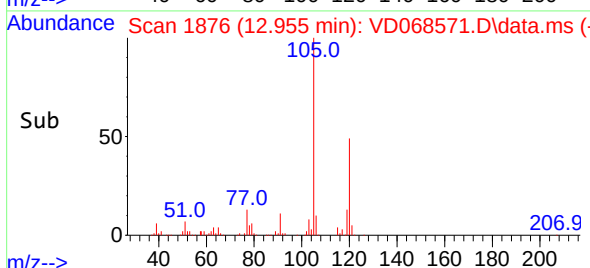
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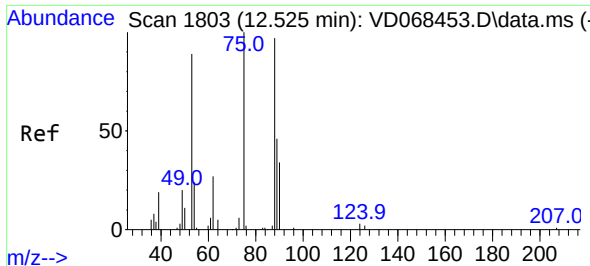


#80  
1,3,5-Trimethylbenzene  
Concen: 20.50 ug/l  
RT: 12.955 min Scan# 1876  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



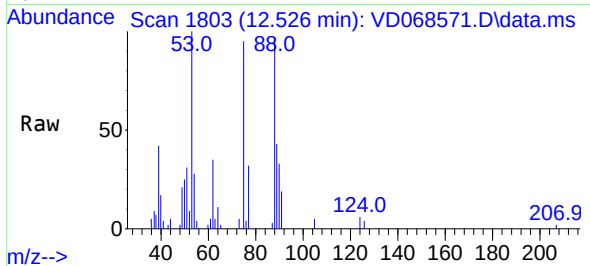
Tgt Ion: 105 Resp: 242498  
Ion Ratio Lower Upper  
105 100  
120 49.9 24.2 72.6





#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.67 ug/l  
RT: 12.526 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

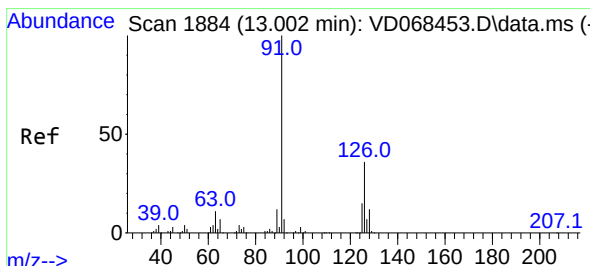
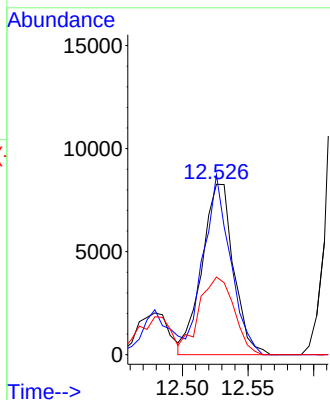
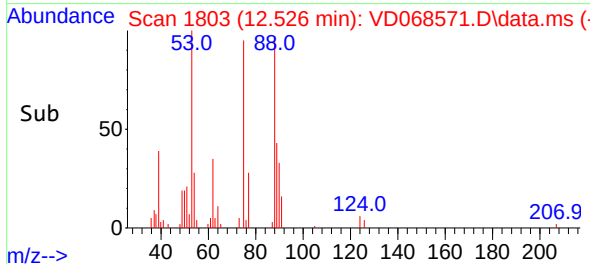
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MSVOA\_D  
ClientSampleId :  
VD0309SBS01



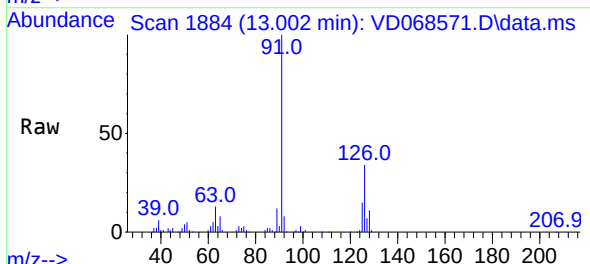
Tgt Ion: 75 Resp: 13823  
Ion Ratio Lower Upper  
75 100  
53 89.4 70.2 105.2  
89 50.4 40.3 60.5

Manual Integrations  
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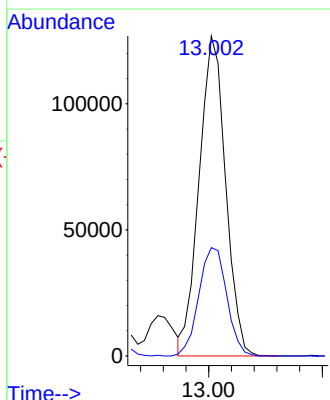
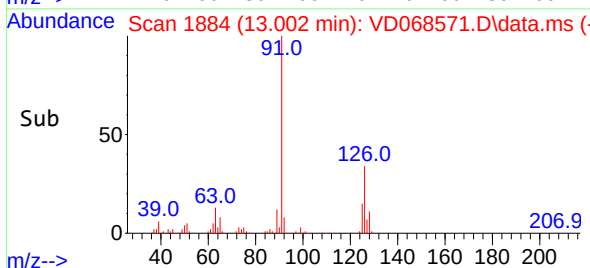
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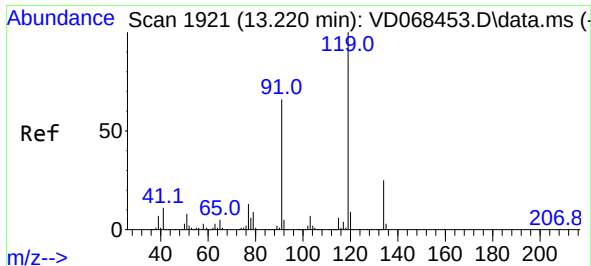


#82  
4-Chlorotoluene  
Concen: 20.41 ug/l  
RT: 13.002 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



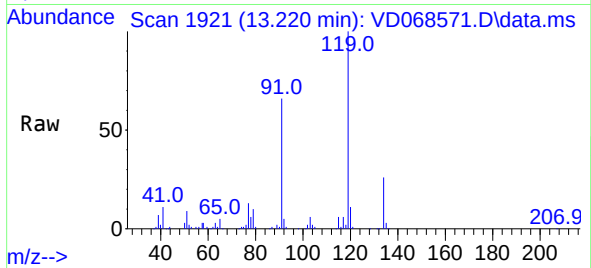
Tgt Ion: 91 Resp: 205523  
Ion Ratio Lower Upper  
91 100  
126 35.7 17.7 53.1





#83  
tert-Butylbenzene  
Concen: 20.89 ug/l  
RT: 13.220 min Scan# 1921  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

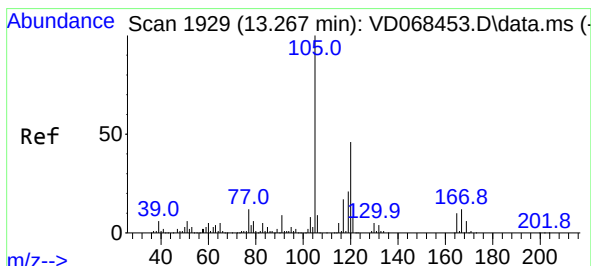
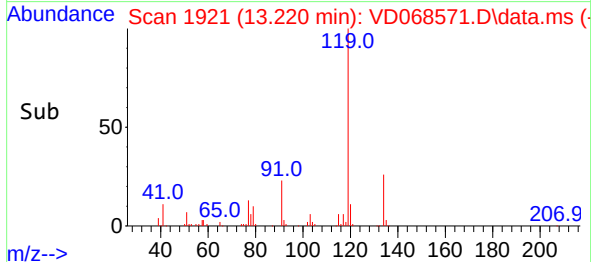
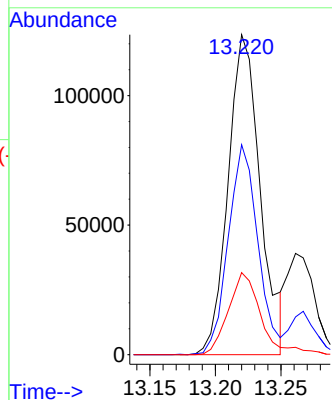
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01



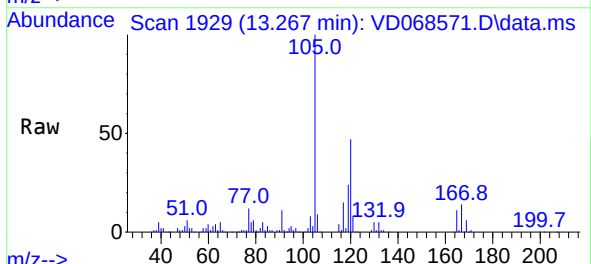
Tgt Ion:119 Resp: 210393  
Ion Ratio Lower Upper  
119 100  
91 60.7 31.1 93.5  
134 26.1 13.3 39.8

Manual Integrations  
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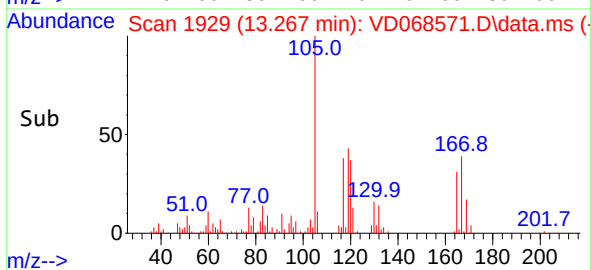
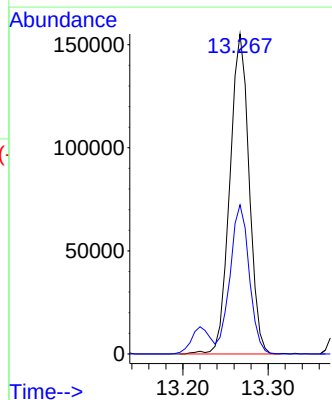
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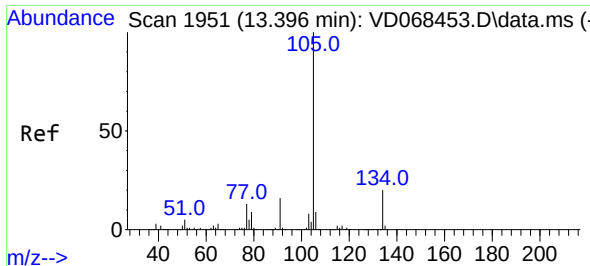


#84  
1,2,4-Trimethylbenzene  
Concen: 20.59 ug/l  
RT: 13.267 min Scan# 1929  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



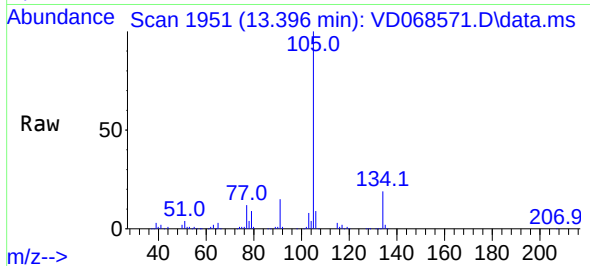
Tgt Ion:105 Resp: 243876  
Ion Ratio Lower Upper  
105 100  
120 46.4 22.4 67.0





#85  
 sec-Butylbenzene  
 Concen: 21.09 ug/l  
 RT: 13.396 min Scan# 1951  
 Delta R.T. 0.000 min  
 Lab File: VD068571.D  
 Acq: 09 Mar 2021 11:23

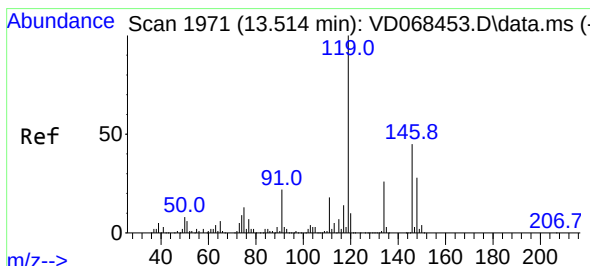
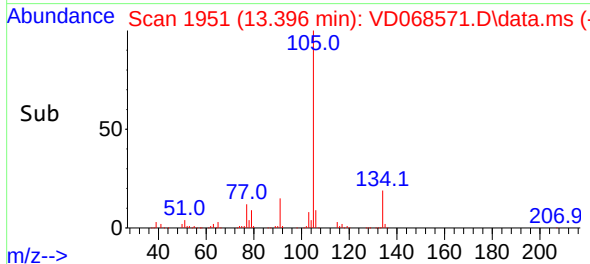
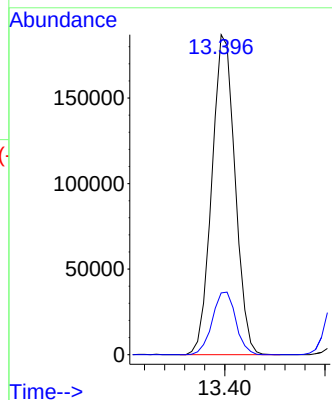
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0309SBS01



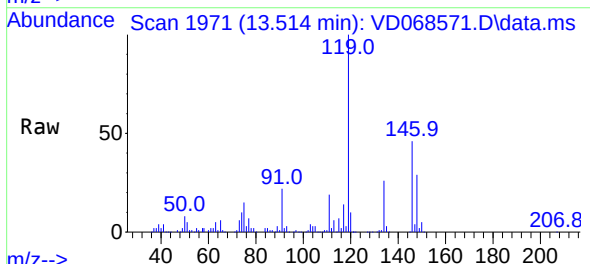
Tgt Ion:105 Resp: 300022  
 Ion Ratio Lower Upper  
 105 100  
 134 19.8 10.3 30.9

Manual Integrations  
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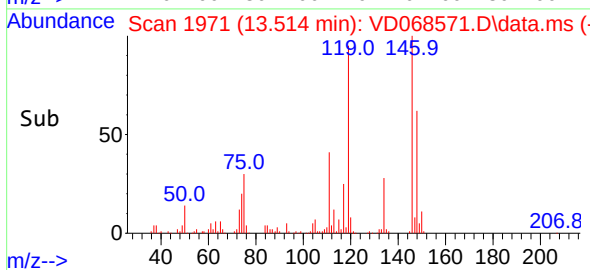
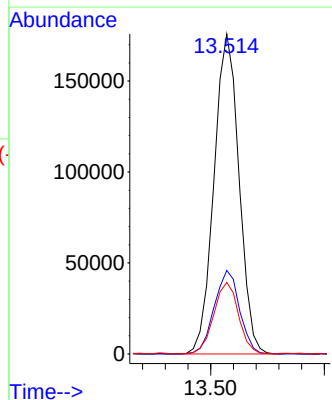
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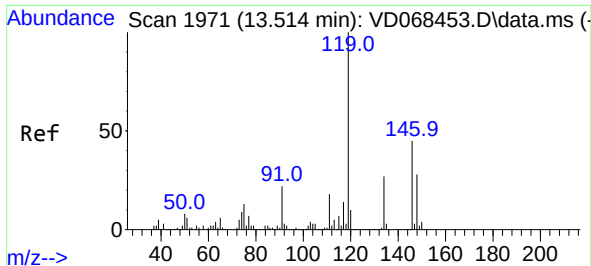


#86  
 p-Isopropyltoluene  
 Concen: 20.82 ug/l  
 RT: 13.514 min Scan# 1971  
 Delta R.T. 0.000 min  
 Lab File: VD068571.D  
 Acq: 09 Mar 2021 11:23

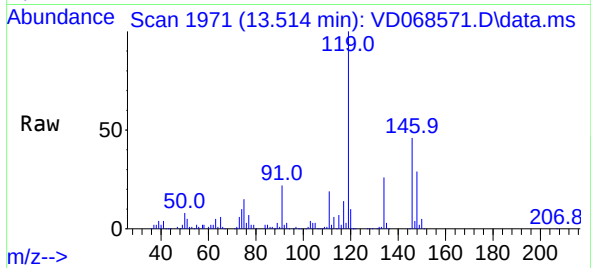


Tgt Ion:119 Resp: 268828  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 12.9 38.7  
 91 22.2 11.7 35.0

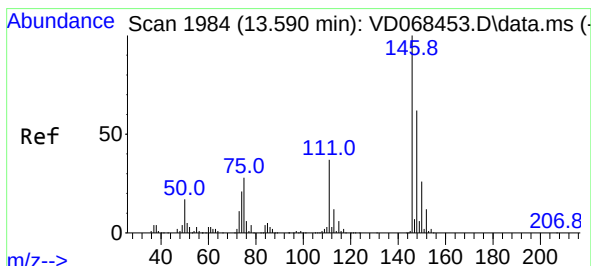
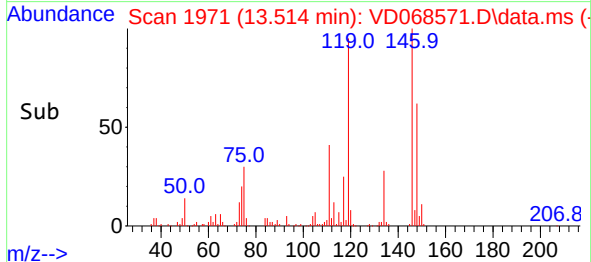
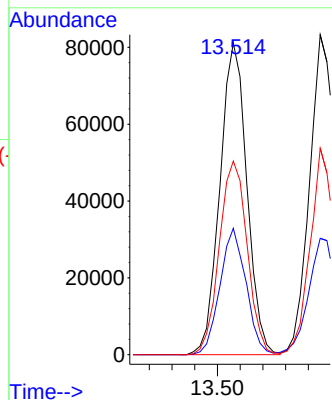




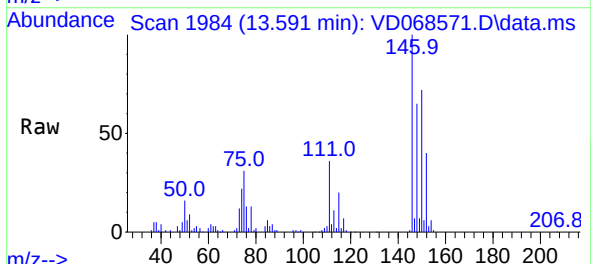
#87  
1,3-Dichlorobenzene  
Concen: 21.04 ug/l  
RT: 13.514 min Scan# 1971  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



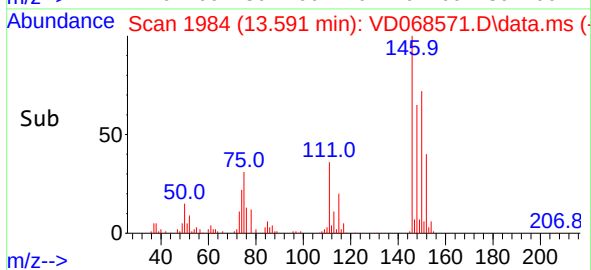
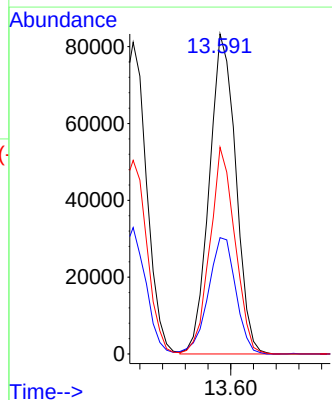
Tgt Ion:146 Resp: 133857  
Ion Ratio Lower Upper  
146 100  
111 39.1 19.5 58.5  
148 64.2 31.6 95.0



#88  
1,4-Dichlorobenzene  
Concen: 21.37 ug/l  
RT: 13.591 min Scan# 1984  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



Tgt Ion:146 Resp: 134649  
Ion Ratio Lower Upper  
146 100  
111 37.9 19.1 57.1  
148 61.4 31.9 95.7

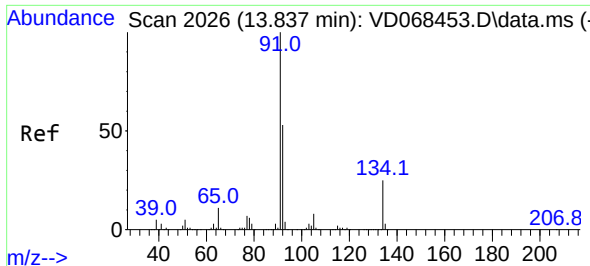


Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

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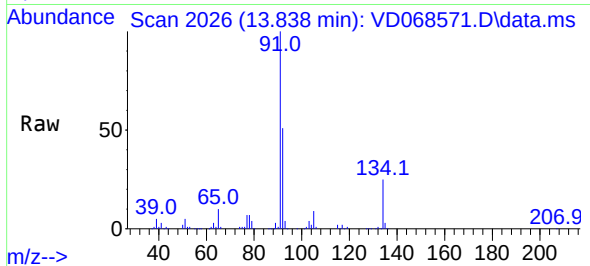
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#89  
n-Butylbenzene  
Concen: 20.59 ug/l  
RT: 13.838 min Scan# 2026  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

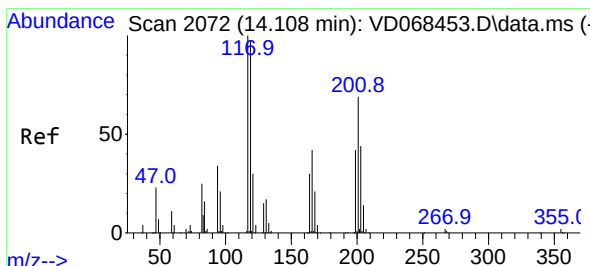
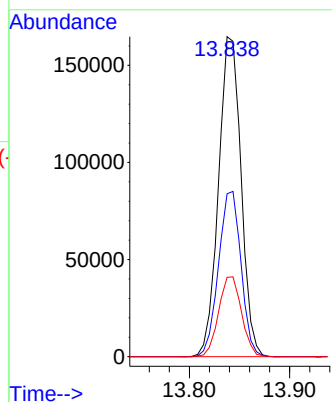
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ClientSampleId :  
VD0309SBS01



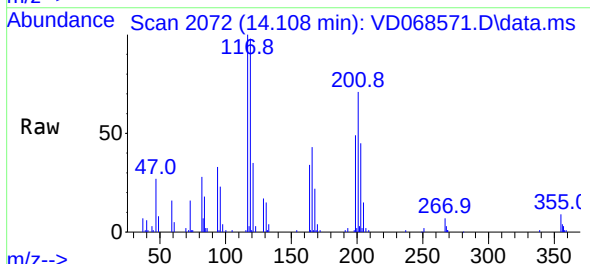
Tgt Ion: 91 Resp: 256448  
Ion Ratio Lower Upper  
91 100  
92 51.6 27.2 81.6  
134 25.4 13.9 41.7

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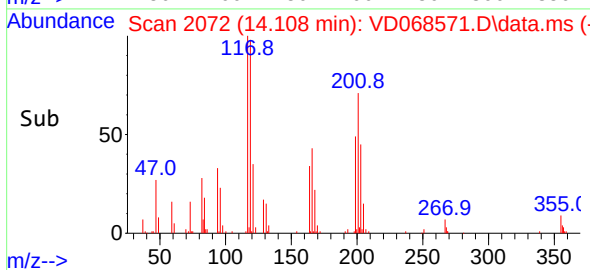
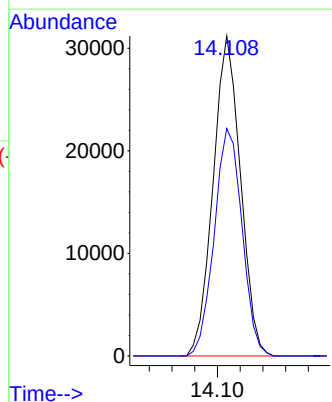
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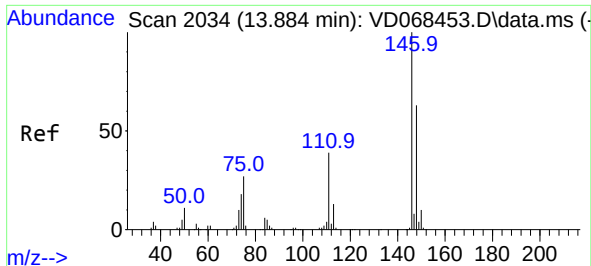


#90  
Hexachloroethane  
Concen: 20.35 ug/l  
RT: 14.108 min Scan# 2072  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
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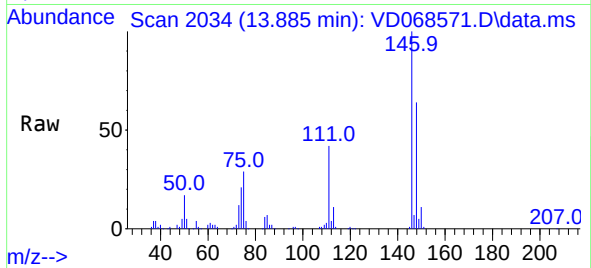


Tgt Ion: 117 Resp: 52239  
Ion Ratio Lower Upper  
117 100  
201 72.1 39.5 118.5

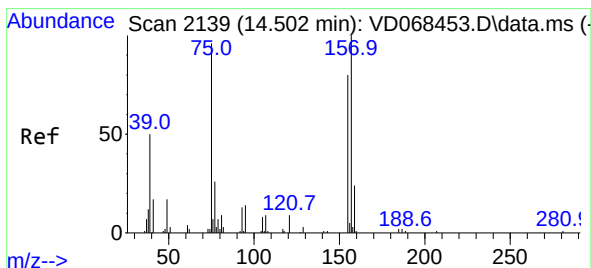
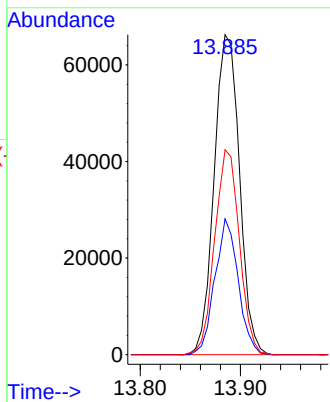
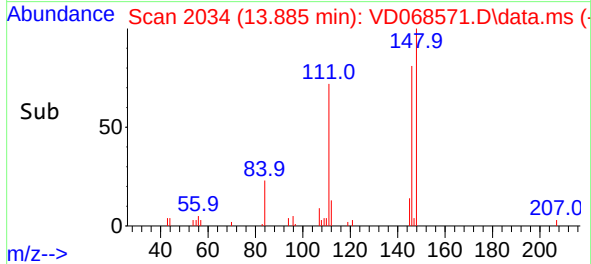




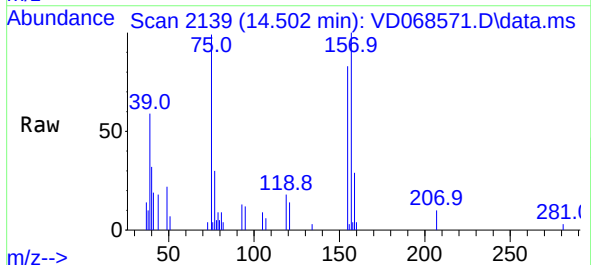
#91  
1,2-Dichlorobenzene  
Concen: 21.33 ug/l  
RT: 13.885 min Scan# 2034  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



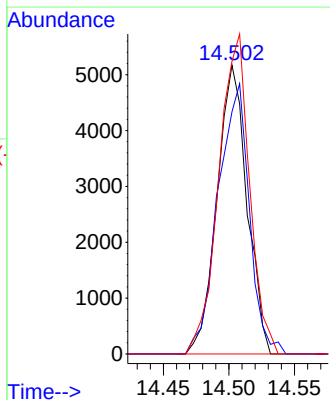
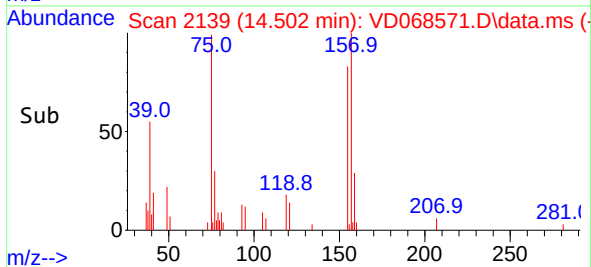
Tgt Ion:146 Resp: 116376  
Ion Ratio Lower Upper  
146 100  
111 39.1 20.3 60.9  
148 62.4 31.7 95.1



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 18.76 ug/l  
RT: 14.502 min Scan# 2139  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



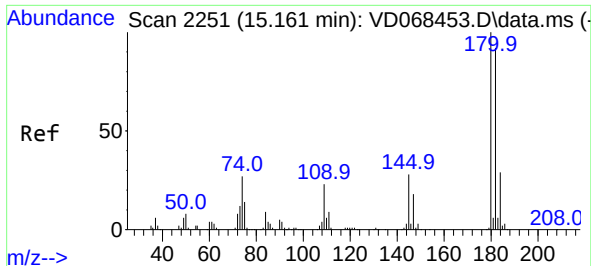
Tgt Ion: 75 Resp: 8211  
Ion Ratio Lower Upper  
75 100  
155 97.9 48.0 144.2  
157 113.7 65.0 194.8



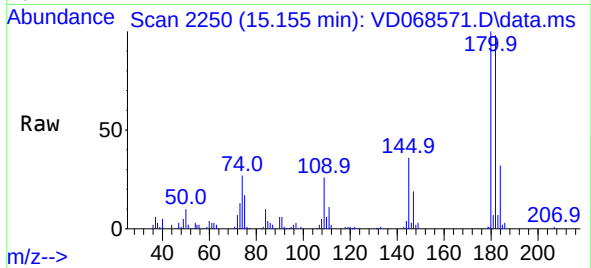
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

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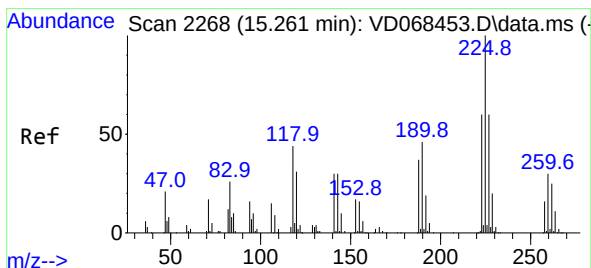
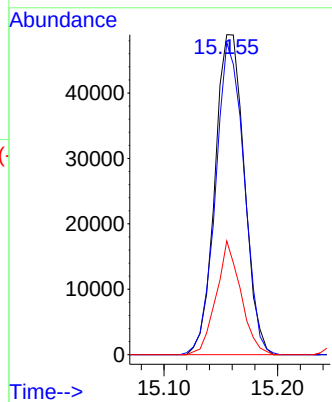
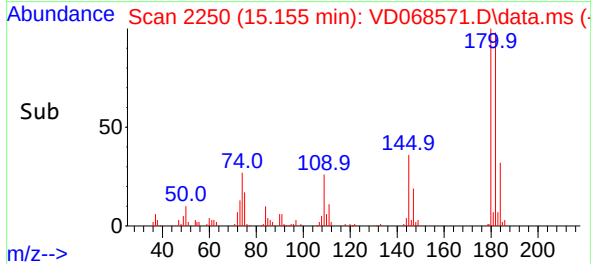
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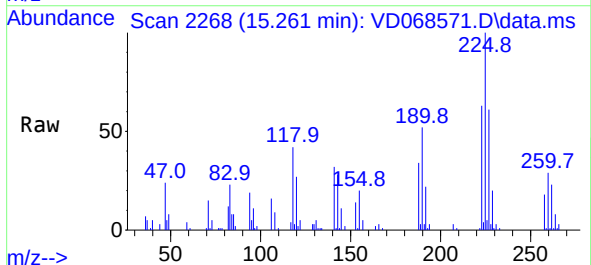
#93  
1,2,4-Trichlorobenzene  
Concen: 20.80 ug/l  
RT: 15.155 min Scan# 2250  
Delta R.T. -0.005 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



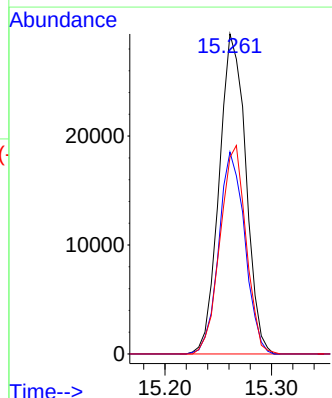
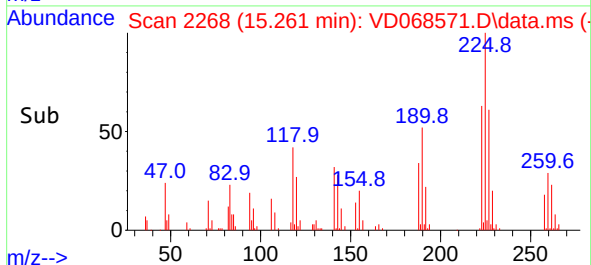
Tgt Ion:180 Resp: 87656  
Ion Ratio Lower Upper  
180 100  
182 94.8 46.8 140.4  
145 29.9 15.2 45.5



#94  
Hexachlorobutadiene  
Concen: 21.82 ug/l  
RT: 15.261 min Scan# 2268  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23



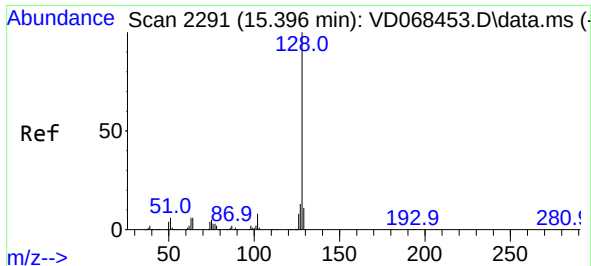
Tgt Ion:225 Resp: 51046  
Ion Ratio Lower Upper  
225 100  
223 61.7 31.9 95.5  
227 63.4 32.1 96.5



Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

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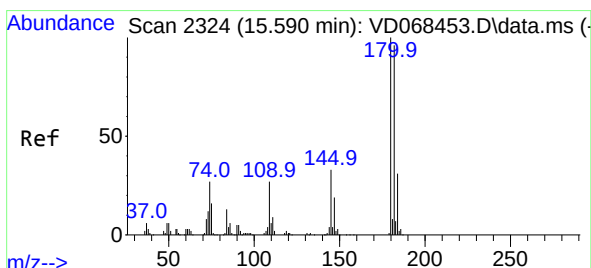
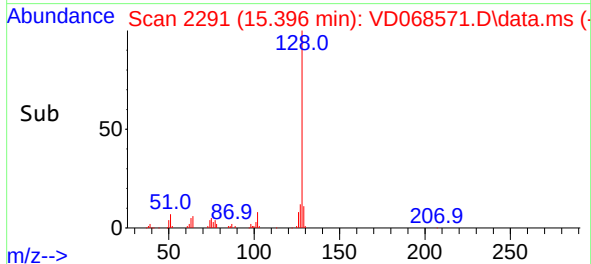
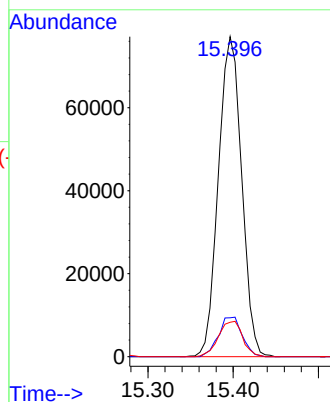
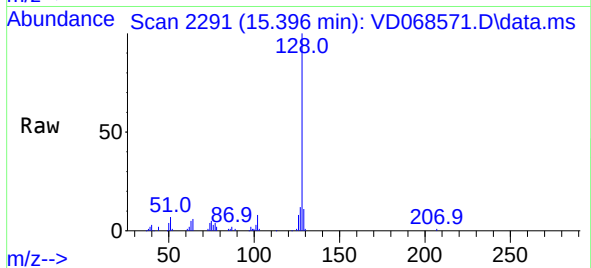
#95  
Naphthalene  
Concen: 19.16 ug/l  
RT: 15.396 min Scan# 2291  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion:128 Resp: 146201  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.2 15.2  
129 11.6 8.8 13.2

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0309SBS01

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 20.95 ug/l  
RT: 15.590 min Scan# 2324  
Delta R.T. 0.000 min  
Lab File: VD068571.D  
Acq: 09 Mar 2021 11:23

Tgt Ion:180 Resp: 76436  
Ion Ratio Lower Upper  
180 100  
182 93.0 48.3 144.8  
145 30.6 16.7 50.1

