

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030321\  
 Data File : VD068514.D  
 Acq On : 03 Mar 2021 15:56  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/4/2021 2:04:20 PM

Quant Time: Mar 04 00:04:44 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        | 7.979          | 168  | 304408     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.867          | 114  | 525001     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.644         | 117  | 489716     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.573         | 152  | 231718     | 50.00   | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.332          | 65   | 150357     | 49.44   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 98.88%  |        |          |
| 35) Dibromofluoromethane     | 7.914          | 113  | 161711     | 51.13   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 102.26% |        |          |
| 50) Toluene-d8               | 10.338         | 98   | 626886     | 49.76   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 99.52%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.632         | 95   | 202829     | 49.96   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 99.92%  |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 120323     | 40.73   | ug/l   | 99       |
| 3) Chloromethane             | 2.209          | 50   | 166659     | 44.64   | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.350          | 62   | 193208     | 43.59   | ug/l   | 99       |
| 5) Bromomethane              | 2.768          | 94   | 144907     | 45.91   | ug/l   | 98       |
| 6) Chloroethane              | 2.921          | 64   | 129889     | 45.31   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.273          | 101  | 228544     | 45.19   | ug/l   | 98       |
| 8) Diethyl Ether             | 3.709          | 74   | 71395      | 47.42   | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 4.091          | 101  | 140814     | 45.70   | ug/l   | 95       |
| 10) Methyl Iodide            | 4.303          | 142  | 172015     | 46.86   | ug/l   | 94       |
| 11) Tert butyl alcohol       | 5.215          | 59   | 38657      | 238.05  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.067          | 96   | 139824     | 45.74   | ug/l   | 99       |
| 13) Acrolein                 | 3.926          | 56   | 56465      | 243.29  | ug/l   | 98       |
| 14) Allyl chloride           | 4.720          | 41   | 195415     | 49.51   | ug/l   | 96       |
| 15) Acrylonitrile            | 5.420          | 53   | 161873     | 254.73  | ug/l   | 98       |
| 16) Acetone                  | 4.156          | 43   | 103370     | 213.97  | ug/l # | 86       |
| 17) Carbon Disulfide         | 4.409          | 76   | 465473     | 46.47   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.720          | 43   | 63856      | 51.28   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.473          | 73   | 359136     | 54.18   | ug/l   | 94       |
| 20) Methylene Chloride       | 4.967          | 84   | 198155     | 55.29   | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 5.473          | 96   | 198896     | 54.49   | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.362          | 45   | 396125     | 45.57   | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.309          | 43   | 1038025    | 230.17  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.267          | 63   | 276350     | 46.38   | ug/l   | 100      |
| 25) 2-Butanone               | 7.208          | 43   | 154468     | 222.43  | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 7.208          | 77   | 225767     | 45.48   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.208          | 96   | 194153     | 48.45   | ug/l   | 99       |
| 28) Bromochloromethane       | 7.550          | 49   | 112845     | 48.52   | ug/l   | 88       |
| 29) Tetrahydrofuran          | 7.561          | 42   | 97899      | 217.10  | ug/l   | 97       |
| 30) Chloroform               | 7.708          | 83   | 297545     | 47.29   | ug/l   | 97       |
| 31) Cyclohexane              | 7.985          | 56   | 218198     | 39.45   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.903          | 97   | 253764     | 47.25   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.114          | 75   | 222040     | 44.49   | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.297          | 43   | 70016      | 42.29   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.097          | 117  | 215912     | 46.05   | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.355          | 83   | 265869     | 43.20   | ug/l   | 96       |
| 40) Benzene                  | 8.350          | 78   | 664972     | 46.45   | ug/l   | 96       |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/4/2021 2:04:20 PM

Quant Time: Mar 04 00:04:44 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   | 44143    | 45.93  | ug/l # | 94       |
| 42) 1,2-Dichloroethane        | 8.426  | 62   | 174810   | 46.44  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.450  | 43   | 141348   | 46.45  | ug/l   | 98       |
| 44) Trichloroethene           | 9.114  | 130  | 188985   | 48.10  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.391  | 63   | 162621   | 47.52  | ug/l   | 93       |
| 46) Dibromomethane            | 9.479  | 93   | 89603    | 48.13  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.661  | 83   | 233147   | 48.41  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.455  | 41   | 66812    | 41.19  | ug/l # | 84       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 19124    | 900.75 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.232 | 43   | 358768   | 225.30 | ug/l   | 99       |
| 52) Toluene                   | 10.408 | 92   | 434833   | 47.57  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.620 | 75   | 212109   | 47.66  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.091 | 75   | 254102   | 46.79  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.802 | 97   | 125781   | 48.82  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.661 | 69   | 140242   | 47.36  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.949 | 76   | 209065   | 46.49  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.944  | 63   | 373448   | 251.36 | ug/l   | 95       |
| 59) 2-Hexanone                | 10.985 | 43   | 244988   | 230.81 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.138 | 129  | 158189   | 49.60  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.244 | 107  | 122097   | 48.43  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.879 | 164  | 149230   | 46.67  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.667 | 112  | 467724   | 46.90  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.744 | 131  | 165621   | 47.77  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.744 | 91   | 828158   | 46.52  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.849 | 106  | 636198   | 94.10  | ug/l   | 98       |
| 69) o-Xylene                  | 12.179 | 106  | 299000   | 48.02  | ug/l   | 94       |
| 70) Styrene                   | 12.191 | 104  | 510419   | 47.93  | ug/l   | 98       |
| 71) Bromoform                 | 12.361 | 173  | 89231    | 50.67  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.479 | 105  | 775711   | 45.14  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.291 | 43   | 133615   | 45.64  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.726 | 83   | 131233   | 44.39  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.785 | 75   | 91854m   | 44.65  | ug/l   |          |
| 77) Bromobenzene              | 12.761 | 156  | 181601   | 46.30  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.820 | 91   | 919568   | 44.78  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.908 | 91   | 522209   | 45.82  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.955 | 105  | 656389   | 46.60  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.526 | 75   | 39651    | 44.98  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 13.002 | 91   | 550762   | 45.93  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.220 | 119  | 541674   | 45.17  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.267 | 105  | 653489   | 46.32  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.402 | 105  | 783214   | 46.23  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.514 | 119  | 706262   | 45.93  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.514 | 146  | 354987   | 46.86  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.591 | 146  | 350876   | 46.76  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.838 | 91   | 661858   | 44.62  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.108 | 117  | 144806   | 47.38  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.885 | 146  | 312098   | 48.04  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.502 | 75   | 22408    | 43.00  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.155 | 180  | 237208   | 47.27  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.267 | 225  | 128086   | 45.99  | ug/l   | 99       |
| 95) Naphthalene               | 15.396 | 128  | 419464   | 46.16  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.590 | 180  | 200536   | 46.16  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030321\  
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Acq On : 03 Mar 2021 15:56  
Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

MMDadoda  
3/4/2021 2:04:20 PM

Quant Time: Mar 04 00:04:44 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

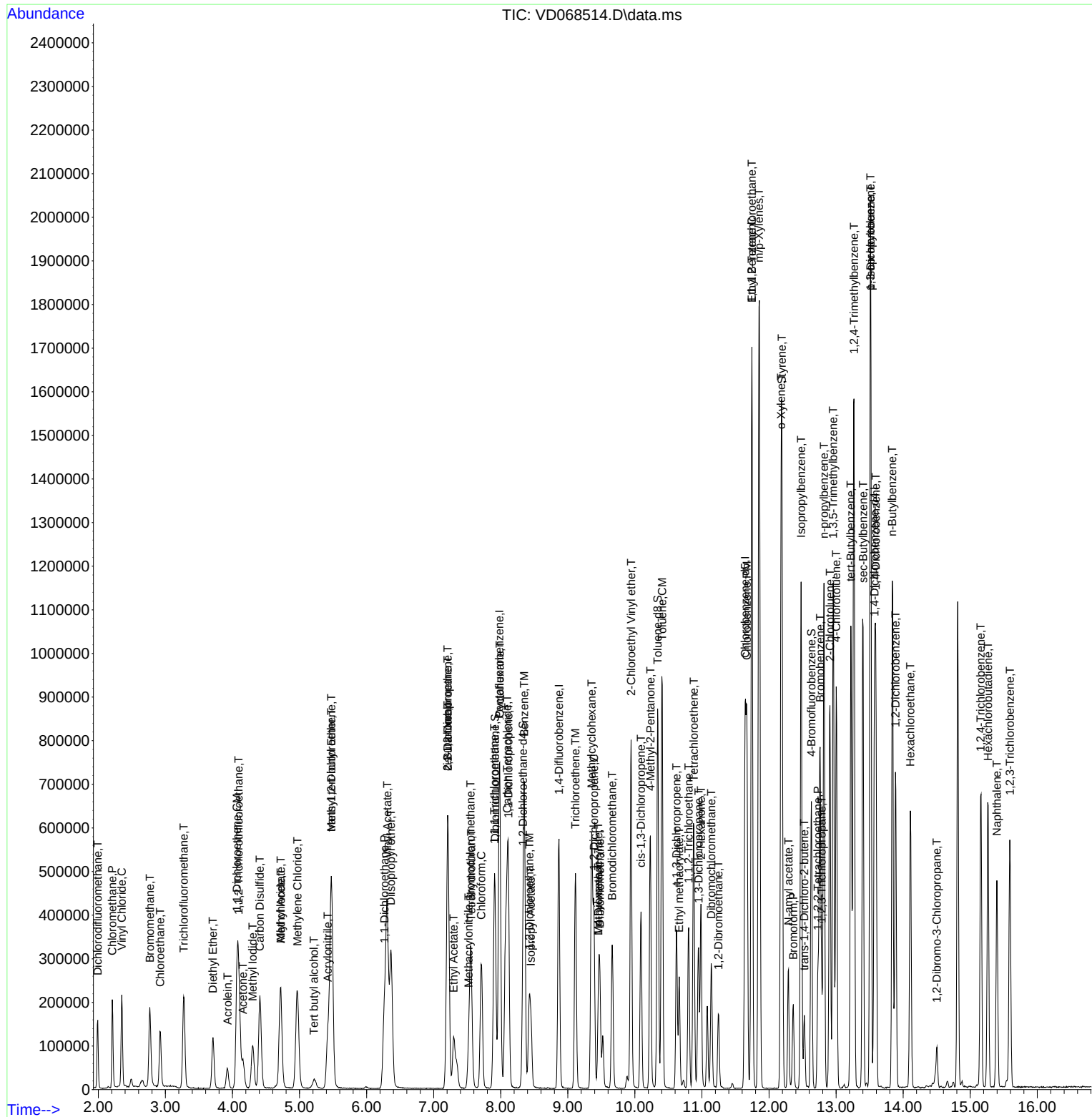
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Data File : VD068514.D  
Acq On : 03 Mar 2021 15:56  
Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 13 Sample Multiplier: 1

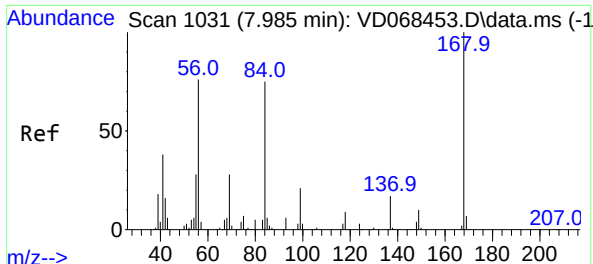
Instrument :  
MSVOA\_D  
Client Sample Id :  
VSTDCCC050EC

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3/4/2021 2:04:20 PM

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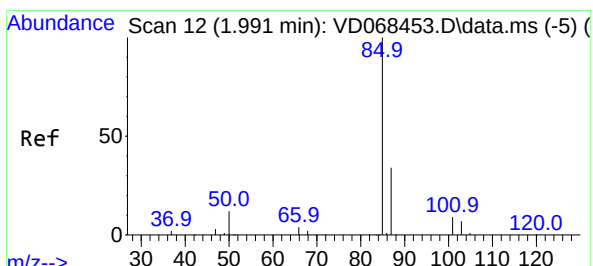
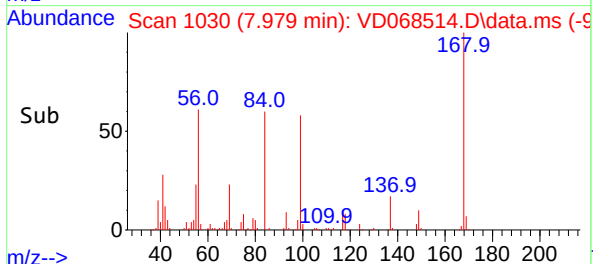
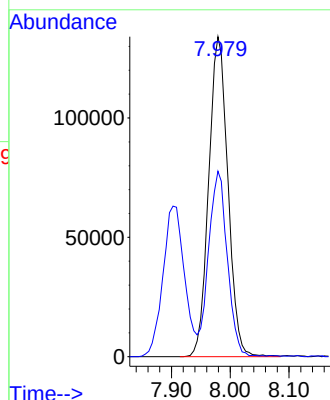
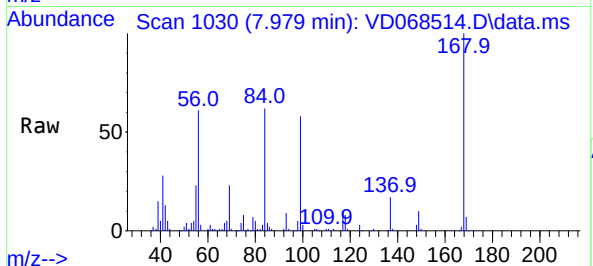
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Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 168 Resp: 304408  
Ion Ratio Lower Upper  
168 100  
99 57.8 43.5 65.3

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

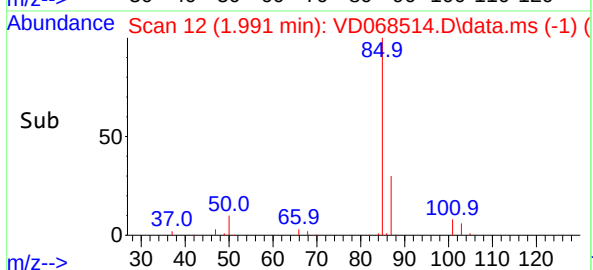
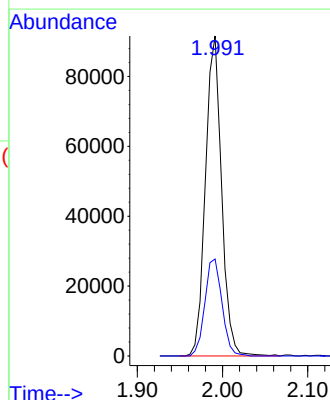
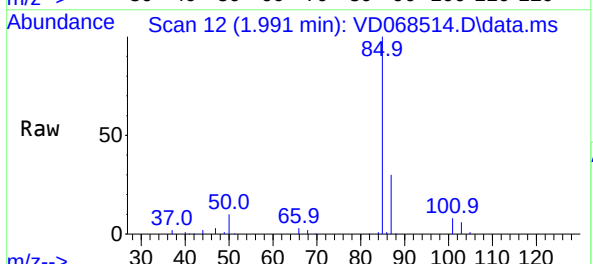
Manual Integrations  
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3/4/2021 2:04:20 PM

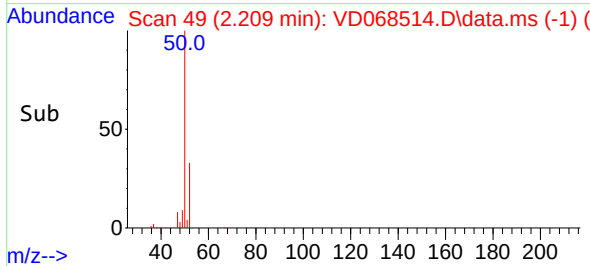
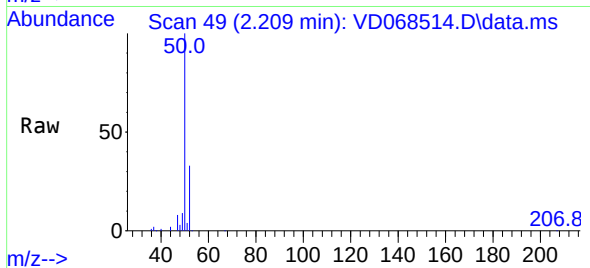
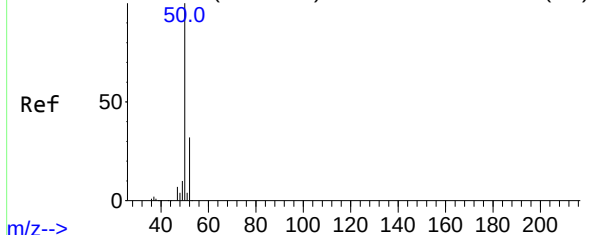


#2  
Dichlorodifluoromethane  
Concen: 40.73 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 85 Resp: 120323  
Ion Ratio Lower Upper  
85 100  
87 30.3 15.4 46.1

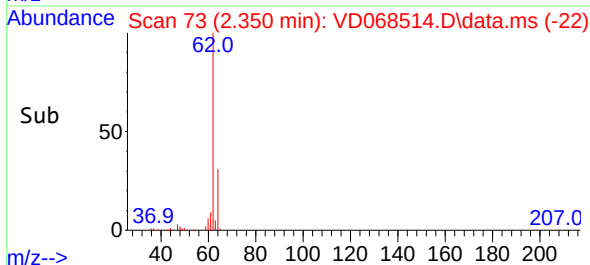
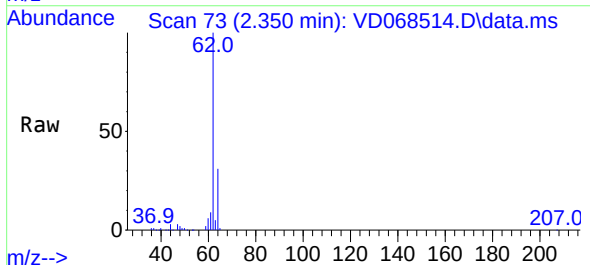
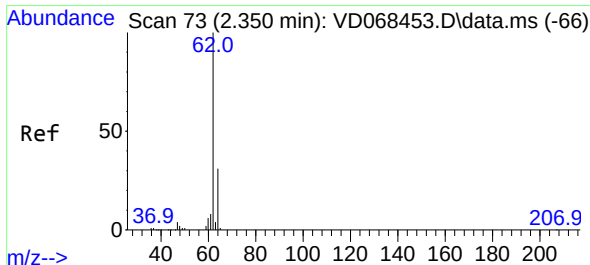
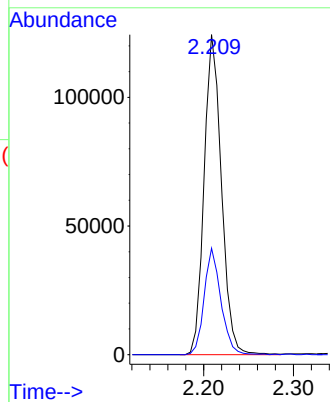


Abundance Scan 49 (2.208 min): VD068453.D\data.ms (-42)



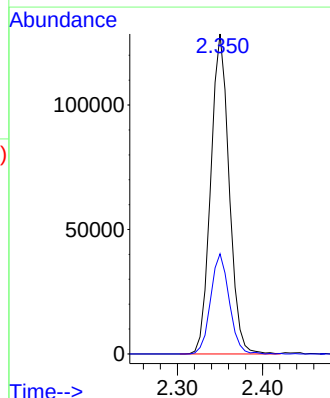
#3  
Chloromethane  
Concen: 44.64 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 50 Resp: 166659  
Ion Ratio Lower Upper  
50 100  
52 33.3 25.4 38.2



#4  
Vinyl Chloride  
Concen: 43.59 ug/l  
RT: 2.350 min Scan# 73  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

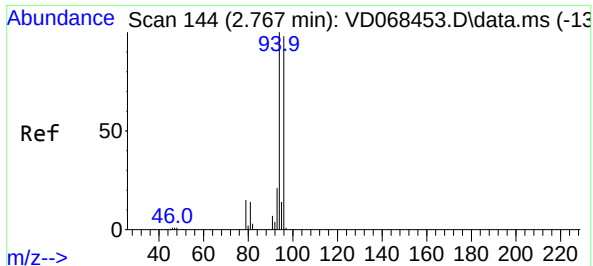
Tgt Ion: 62 Resp: 193208  
Ion Ratio Lower Upper  
62 100  
64 31.3 25.4 38.2



Instrument :  
MSVOA\_D  
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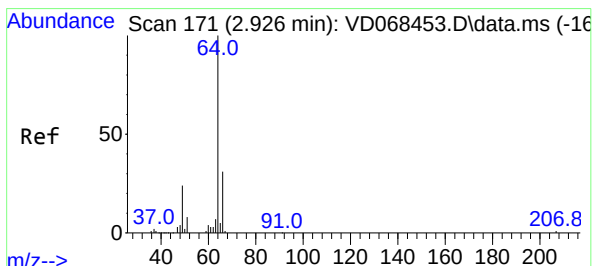
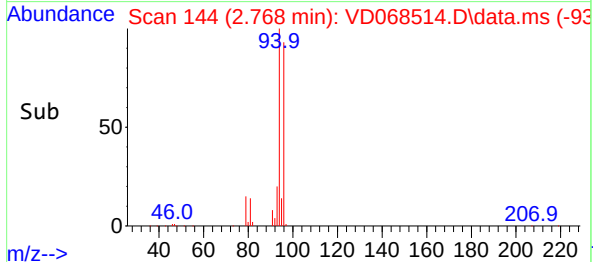
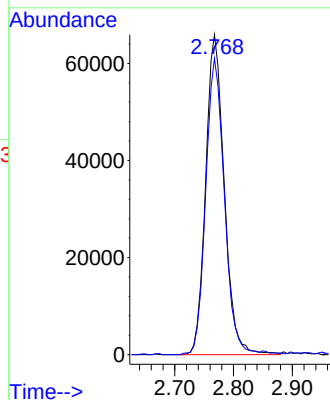
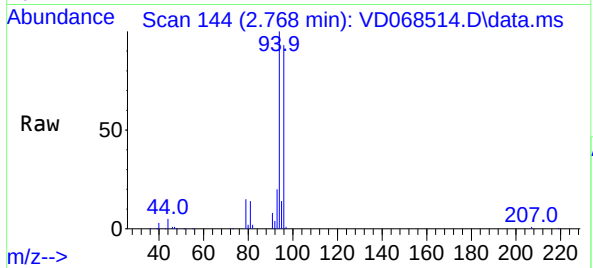
#5  
Bromomethane  
Concen: 45.91 ug/l  
RT: 2.768 min Scan# 144  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 94 Resp: 144907  
Ion Ratio Lower Upper  
94 100  
96 92.6 75.8 113.8

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ClientSampleId :  
VSTDCCC050EC

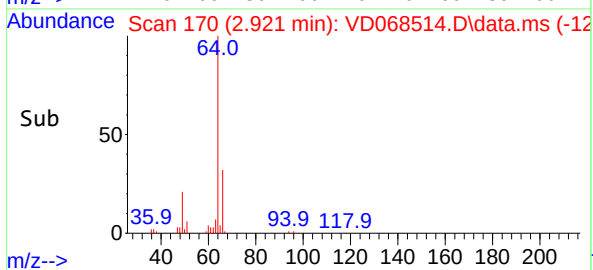
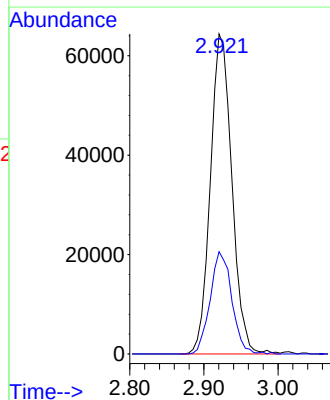
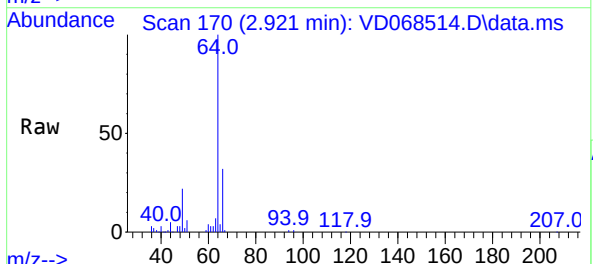
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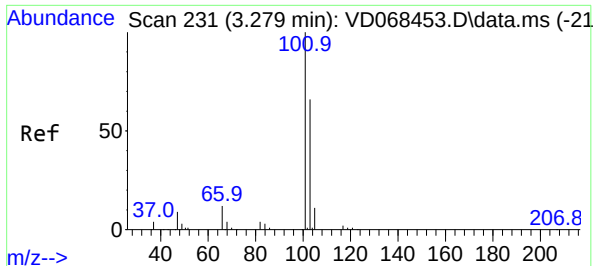
MMDadoda  
3/4/2021 2:04:20 PM



#6  
Chloroethane  
Concen: 45.31 ug/l  
RT: 2.921 min Scan# 170  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 64 Resp: 129889  
Ion Ratio Lower Upper  
64 100  
66 32.0 25.1 37.7





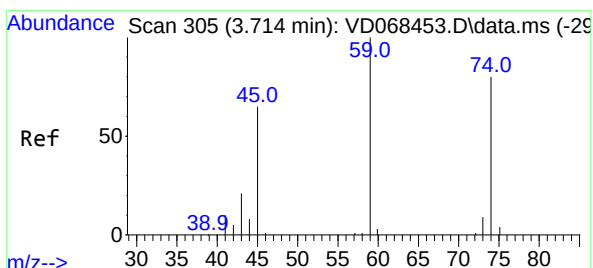
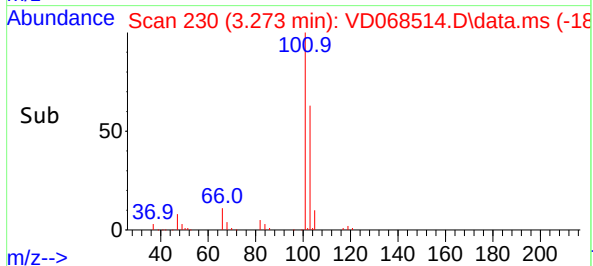
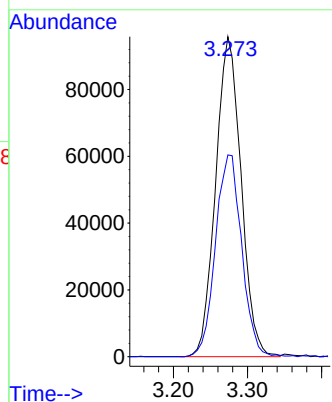
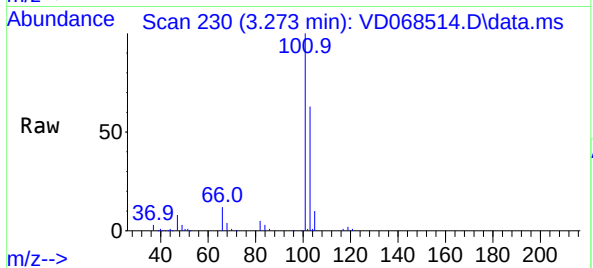
#7  
Trichlorofluoromethane  
Concen: 45.19 ug/l  
RT: 3.273 min Scan# 230  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion:101 Resp: 228544  
Ion Ratio Lower Upper  
101 100  
103 63.1 52.0 78.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

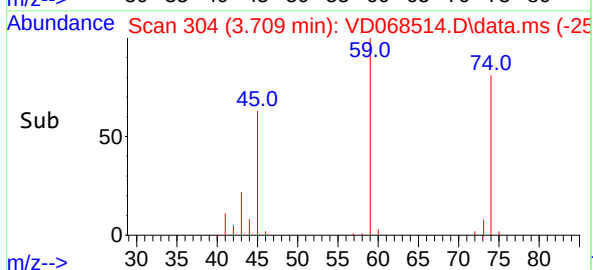
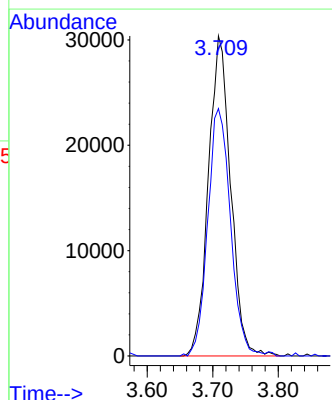
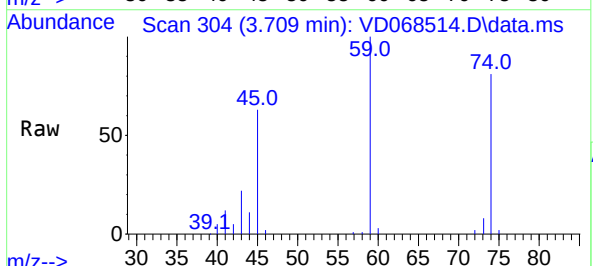
Manual Integrations  
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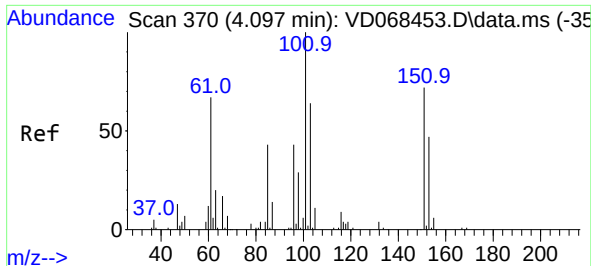


#8  
Diethyl Ether  
Concen: 47.42 ug/l  
RT: 3.709 min Scan# 304  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 74 Resp: 71395  
Ion Ratio Lower Upper  
74 100  
45 79.1 42.1 126.4







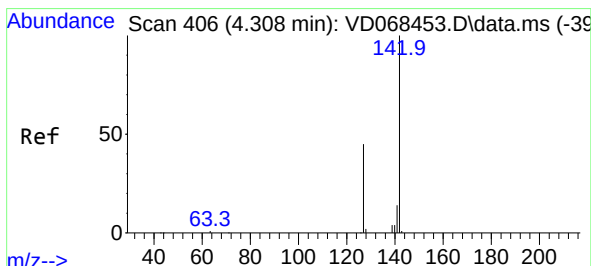
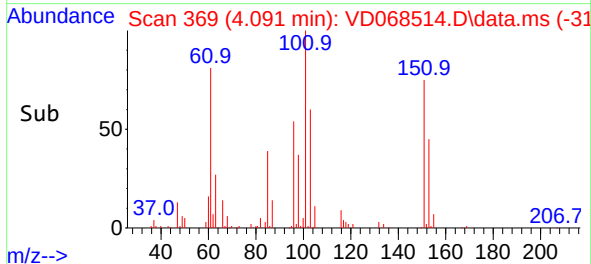
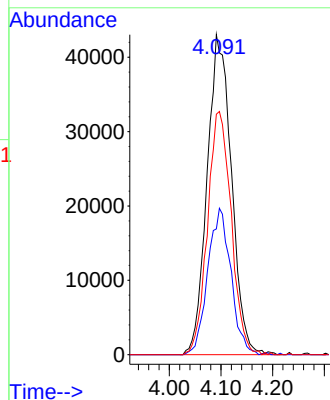
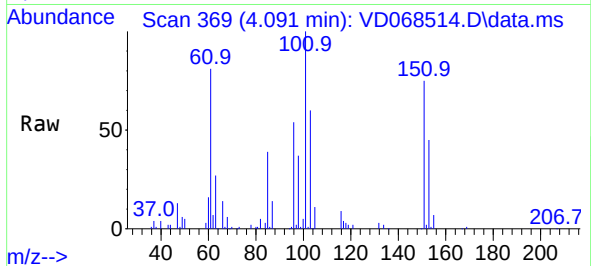
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 45.70 ug/l  
RT: 4.091 min Scan# 369  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 101   | Resp: | 140814 |
| Ion      | Ratio | Lower | Upper  |
| 101      | 100   |       |        |
| 85       | 43.4  | 34.0  | 51.0   |
| 151      | 74.0  | 64.1  | 96.1   |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

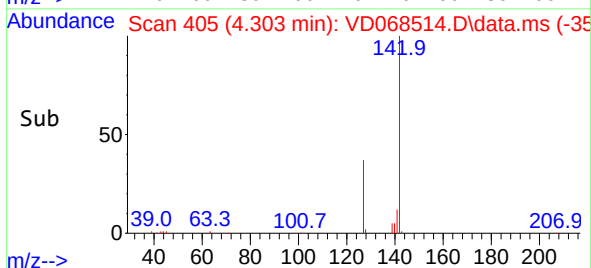
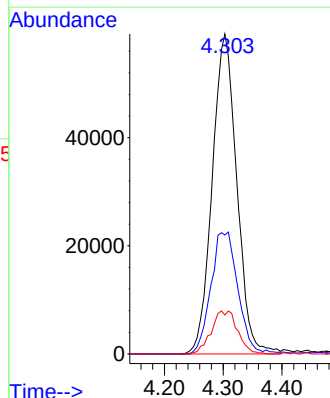
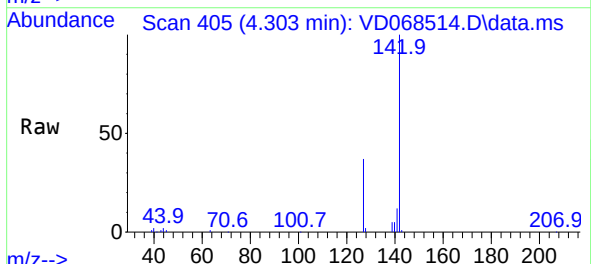
Manual Integrations  
APPROVED

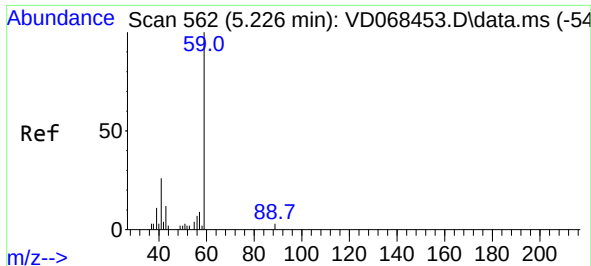
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#10  
Methyl Iodide  
Concen: 46.86 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 172015 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 127      | 42.1  | 37.9  | 56.9   |
| 141      | 14.4  | 11.5  | 17.3   |





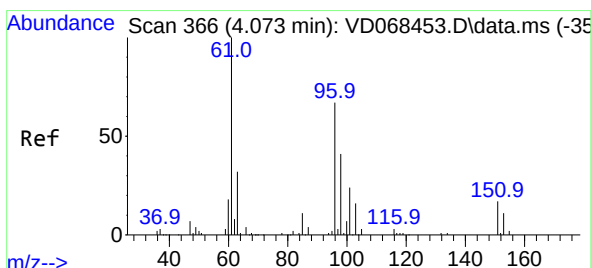
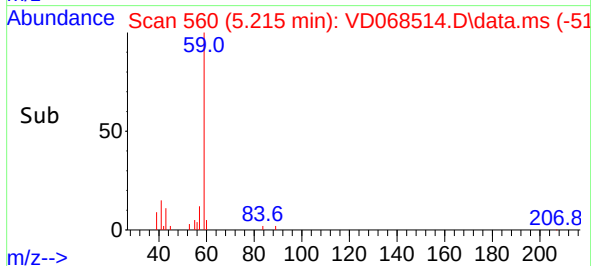
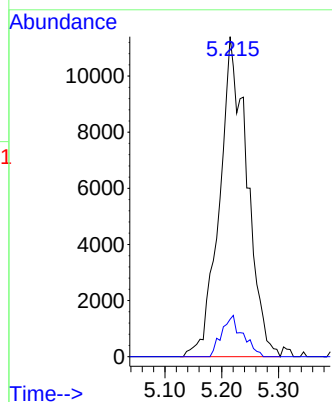
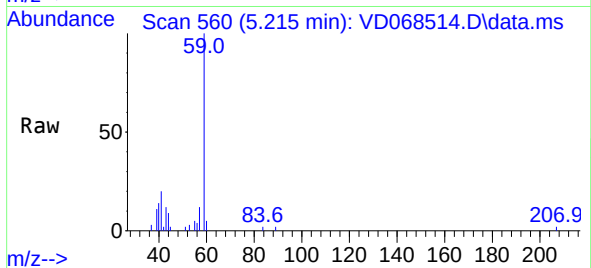
#11  
Tert butyl alcohol  
Concen: 238.05 ug/l  
RT: 5.215 min Scan# 560  
Delta R.T. -0.011 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 59 Resp: 38657  
Ion Ratio Lower Upper  
59 100  
57 9.8 7.4 11.2

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

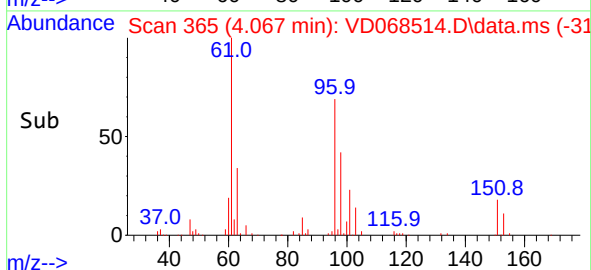
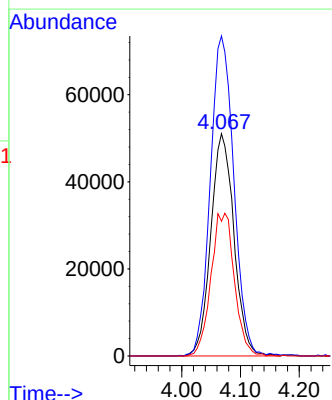
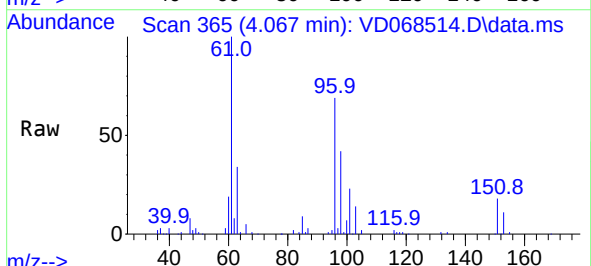
Manual Integrations  
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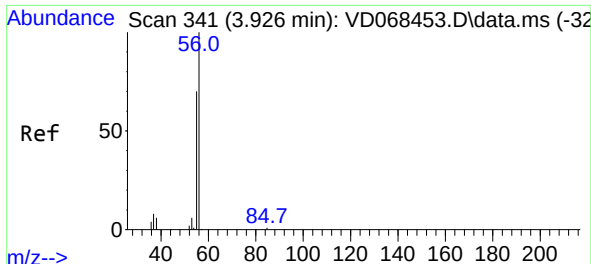
MMDadoda  
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#12  
1,1-Dichloroethene  
Concen: 45.74 ug/l  
RT: 4.067 min Scan# 365  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 96 Resp: 139824  
Ion Ratio Lower Upper  
96 100  
61 143.6 116.2 174.4  
98 60.6 48.6 73.0





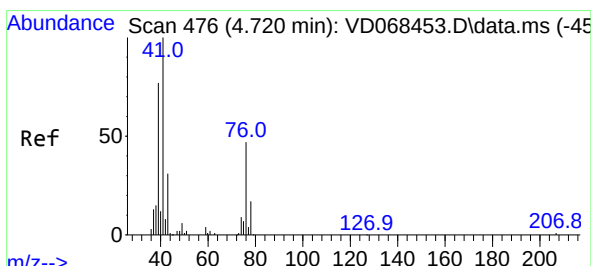
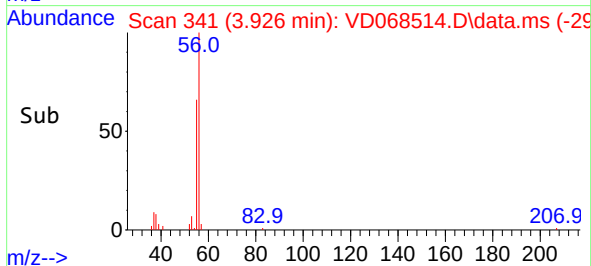
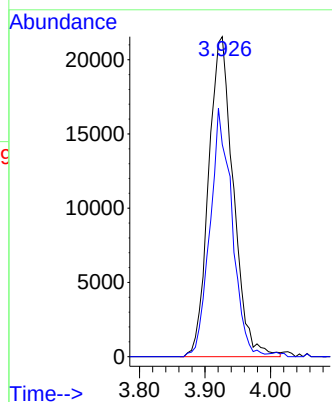
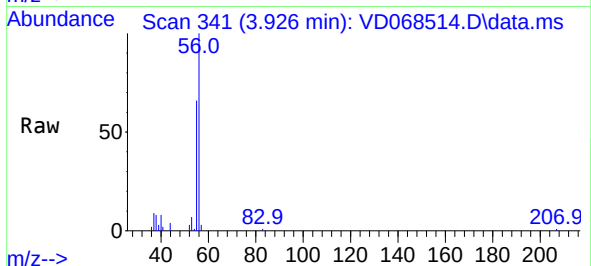
#13  
Acrolein  
Concen: 243.29 ug/l  
RT: 3.926 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 56 Resp: 56465  
Ion Ratio Lower Upper  
56 100  
55 68.9 56.5 84.7

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

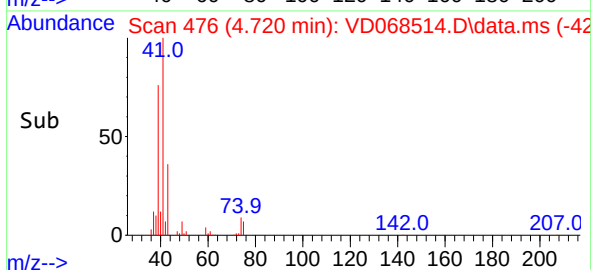
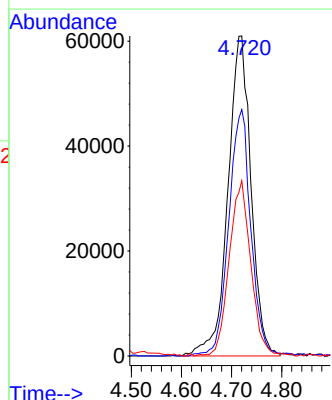
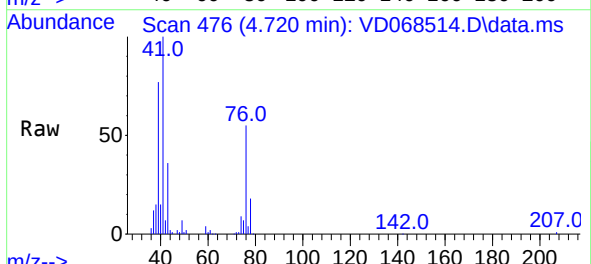
Manual Integrations  
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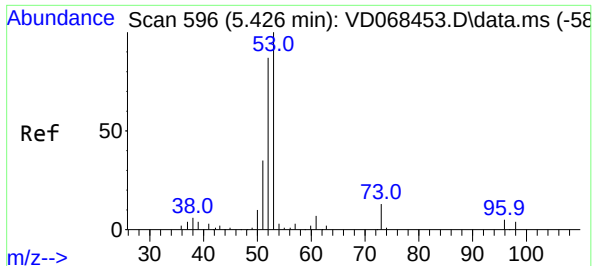
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#14  
Allyl chloride  
Concen: 49.51 ug/l  
RT: 4.720 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 41 Resp: 195415  
Ion Ratio Lower Upper  
41 100  
39 73.8 56.3 84.5  
76 51.3 38.9 58.3





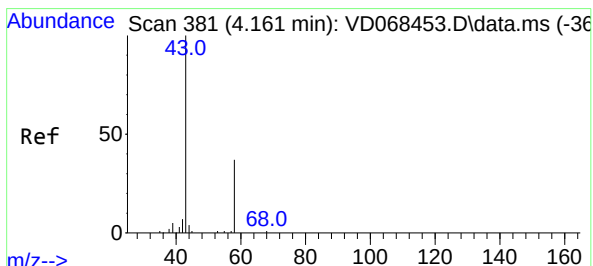
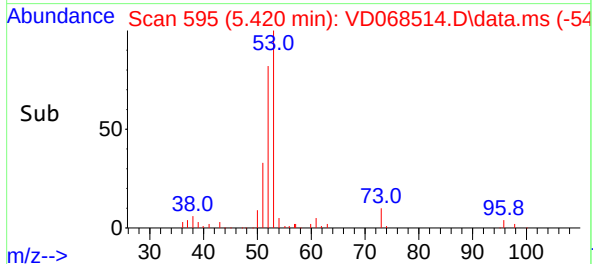
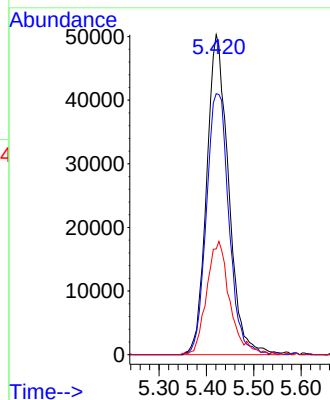
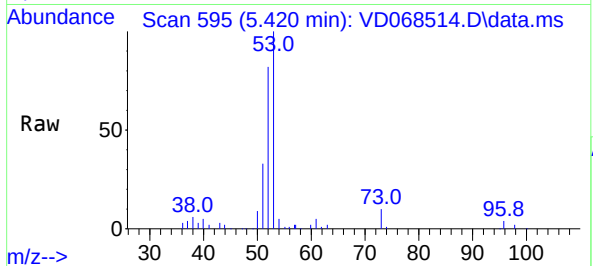
#15  
Acrylonitrile  
Concen: 254.73 ug/l  
RT: 5.420 min Scan# 595  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

|             |              |
|-------------|--------------|
| Tgt Ion: 53 | Resp: 161873 |
| Ion Ratio   | Lower Upper  |
| 53 100      |              |
| 52 83.8     | 66.2 99.2    |
| 51 37.5     | 29.0 43.4    |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

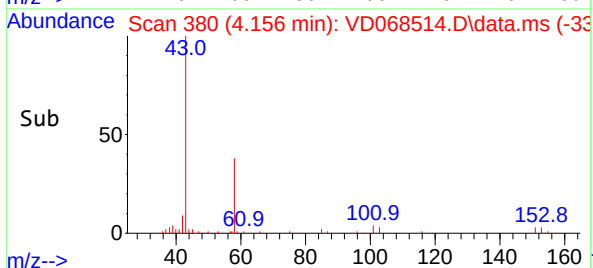
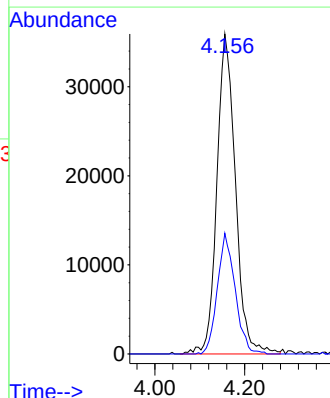
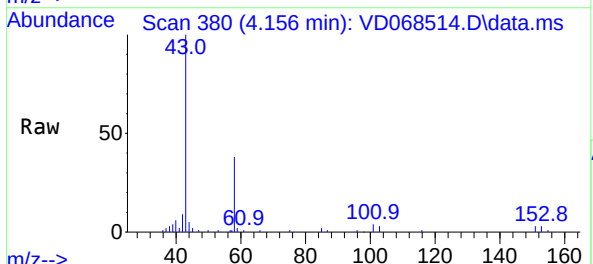
Manual Integrations  
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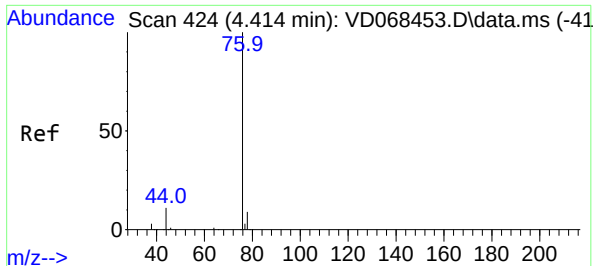
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#16  
Acetone  
Concen: 213.97 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 103370 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 58 37.7     | 24.2 36.4#   |





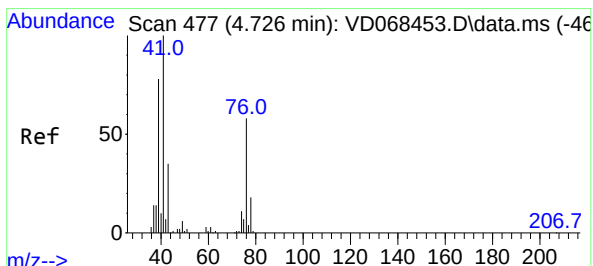
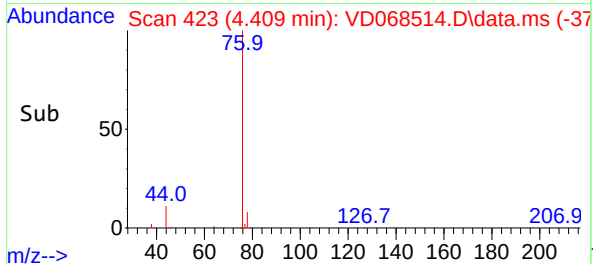
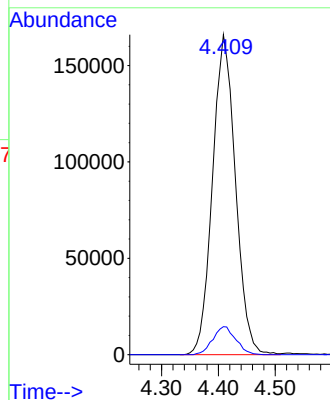
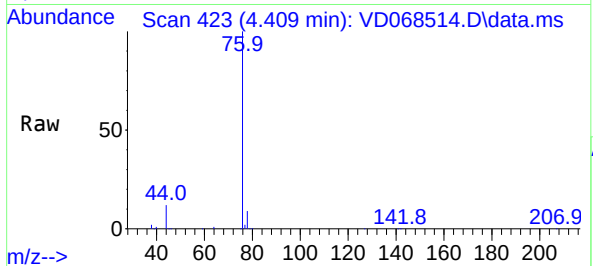
#17  
Carbon Disulfide  
Concen: 46.47 ug/l  
RT: 4.409 min Scan# 423  
Delta R.T. -0.006 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 76 Resp: 465473  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.3 10.9

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

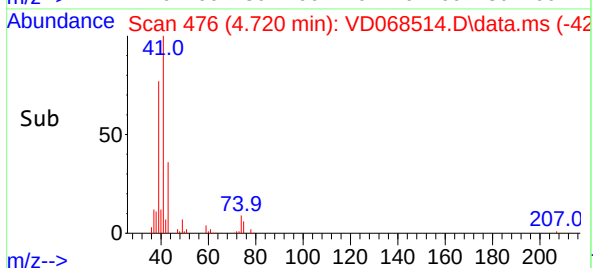
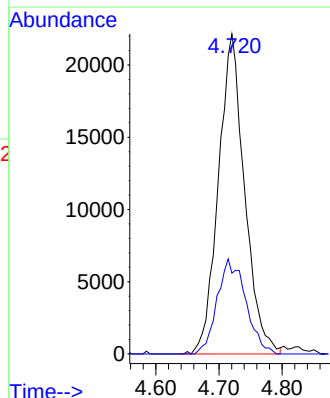
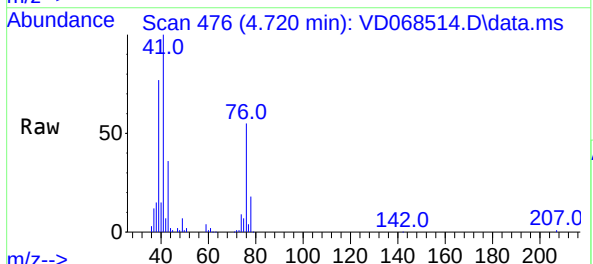
Manual Integrations  
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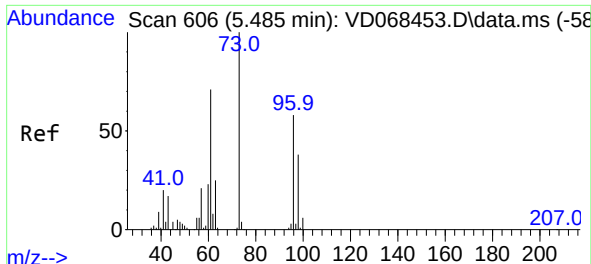
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3/4/2021 2:04:20 PM



#18  
Methyl Acetate  
Concen: 51.28 ug/l  
RT: 4.720 min Scan# 476  
Delta R.T. -0.006 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

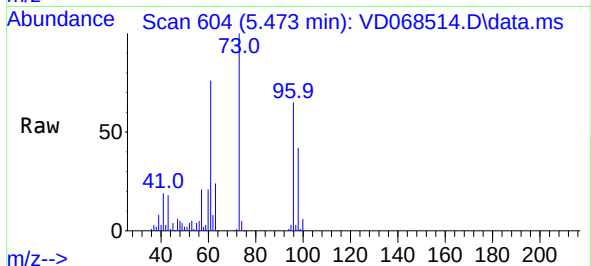
Tgt Ion: 43 Resp: 63856  
Ion Ratio Lower Upper  
43 100  
74 32.3 25.4 38.0





#19  
Methyl tert-butyl Ether  
Concen: 54.18 ug/l  
RT: 5.473 min Scan# 604  
Delta R.T. -0.011 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

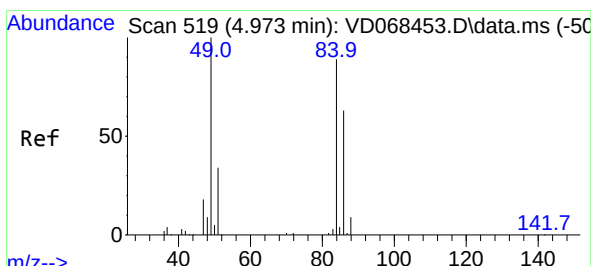
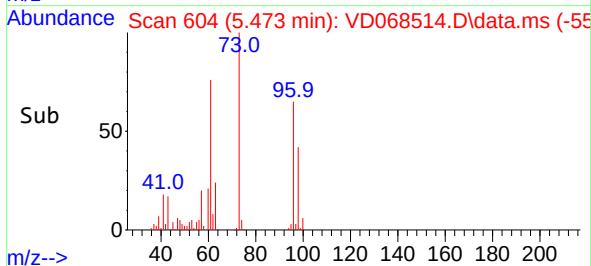
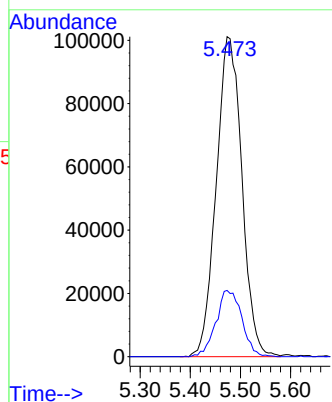
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



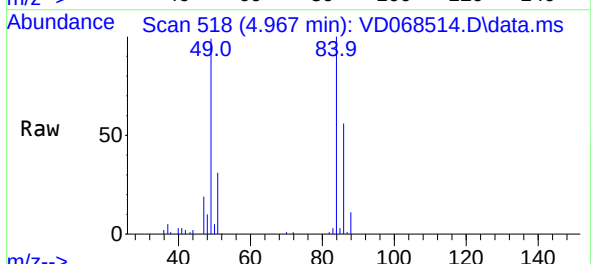
Tgt Ion: 73 Resp: 359136  
Ion Ratio Lower Upper  
73 100  
57 20.7 14.4 21.6

Manual Integrations  
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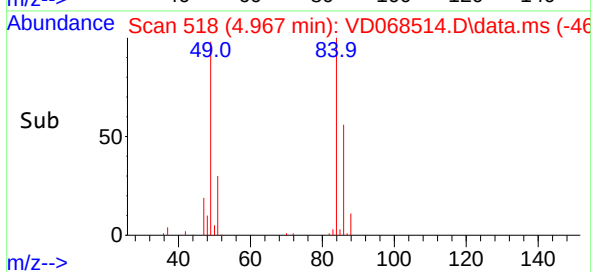
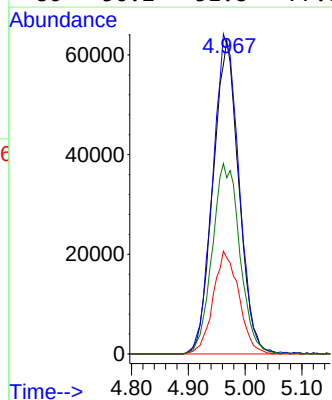
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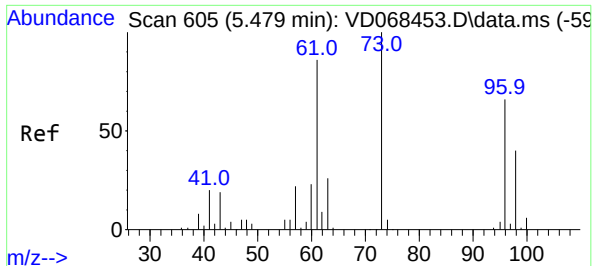


#20  
Methylene Chloride  
Concen: 55.29 ug/l  
RT: 4.967 min Scan# 518  
Delta R.T. -0.006 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



Tgt Ion: 84 Resp: 198155  
Ion Ratio Lower Upper  
84 100  
49 98.7 77.4 116.2  
51 30.7 26.1 39.1  
86 56.2 51.8 77.8





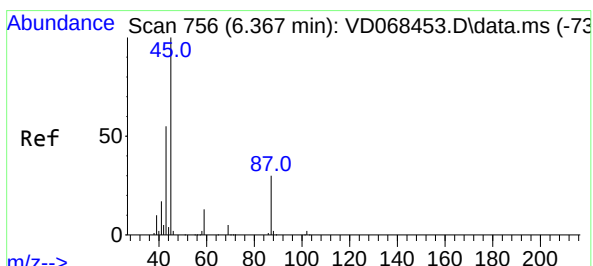
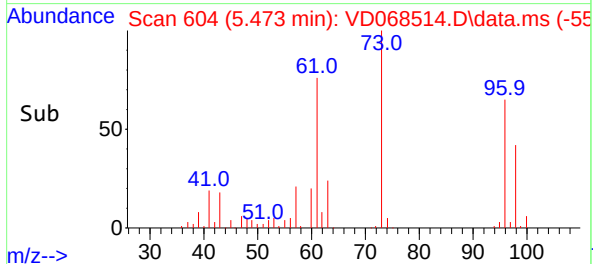
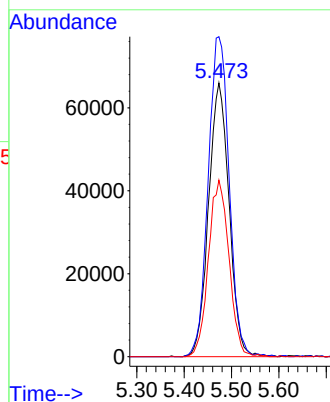
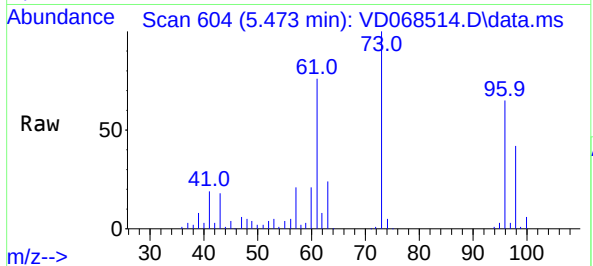
#21  
trans-1,2-Dichloroethene  
Concen: 54.49 ug/l  
RT: 5.473 min Scan# 604  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 198896 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 116.9 | 96.7  | 145.1  |
| 98       | 64.5  | 47.6  | 71.4   |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

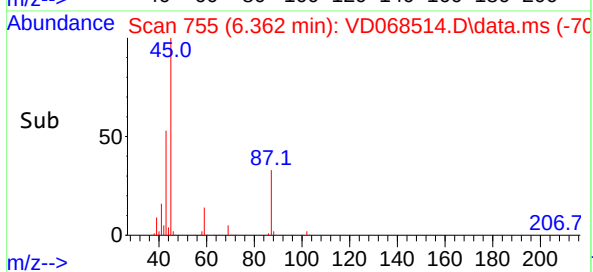
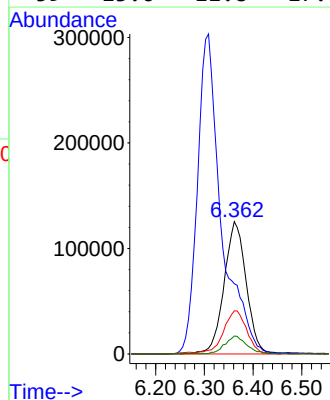
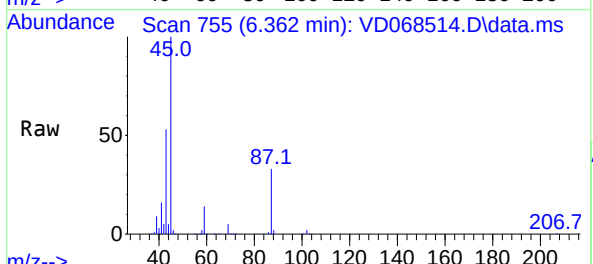
Manual Integrations  
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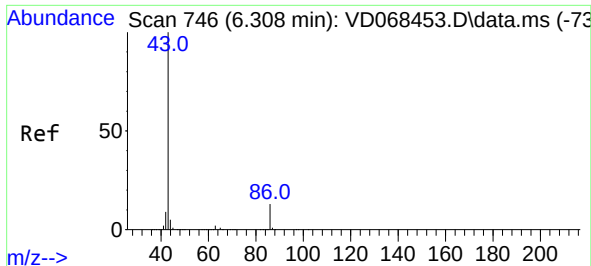
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3/4/2021 2:04:20 PM



#22  
Diisopropyl ether  
Concen: 45.57 ug/l  
RT: 6.362 min Scan# 755  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 396125 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 52.1  | 43.9  | 65.9   |
| 87       | 32.3  | 29.9  | 44.9   |
| 59       | 13.6  | 11.8  | 17.8   |





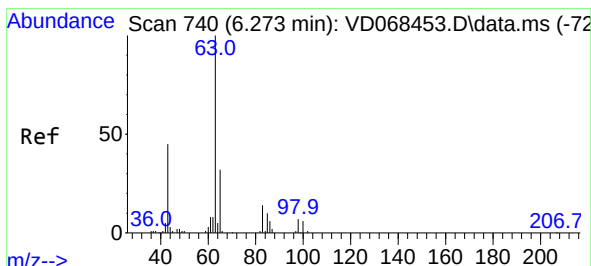
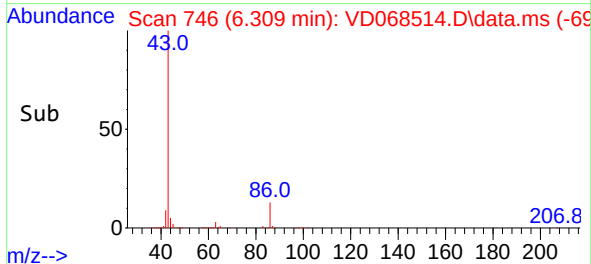
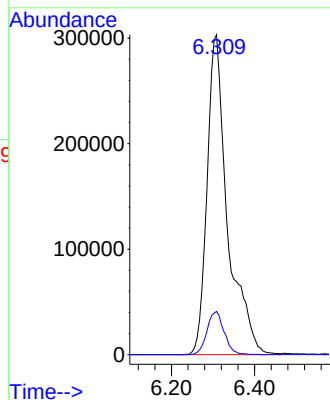
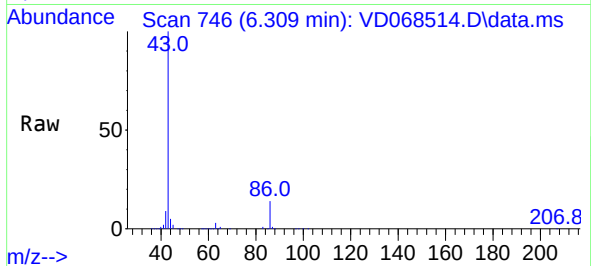
#23  
 Vinyl Acetate  
 Concen: 230.17 ug/l  
 RT: 6.309 min Scan# 746  
 Delta R.T. 0.000 min  
 Lab File: VD068514.D  
 Acq: 03 Mar 2021 15:56

Tgt Ion: 43 Resp: 1038025  
 Ion Ratio Lower Upper  
 43 100  
 86 13.5 10.8 16.2

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

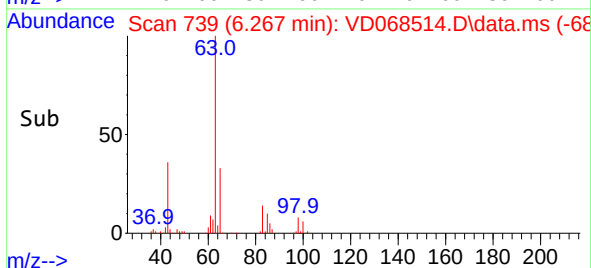
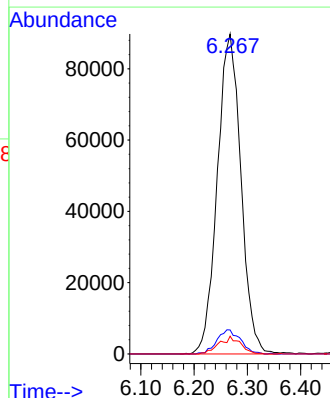
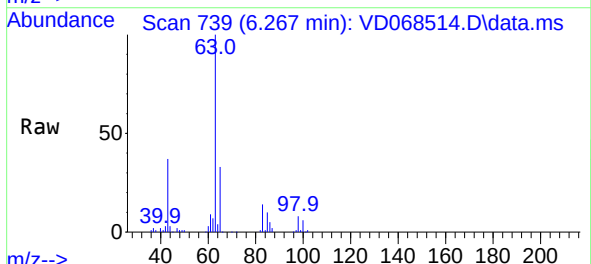
Manual Integrations  
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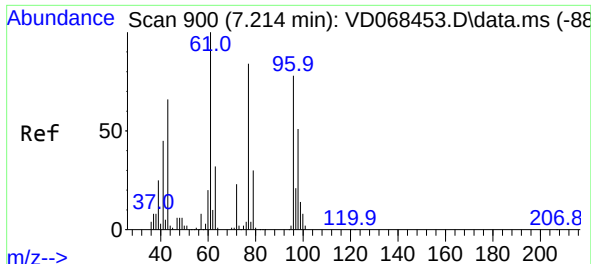


#24  
 1,1-Dichloroethane  
 Concen: 46.38 ug/l  
 RT: 6.267 min Scan# 739  
 Delta R.T. -0.005 min  
 Lab File: VD068514.D  
 Acq: 03 Mar 2021 15:56

Tgt Ion: 63 Resp: 276350  
 Ion Ratio Lower Upper  
 63 100  
 98 7.5 3.8 11.4  
 100 5.5 2.6 8.0

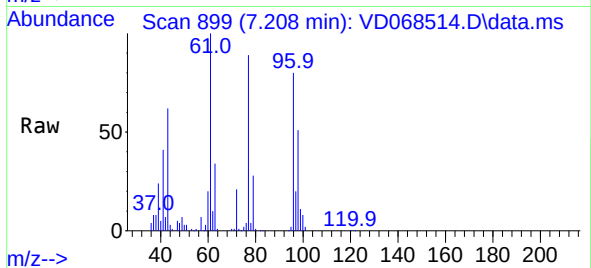






#25  
2-Butanone  
Concen: 222.43 ug/l  
RT: 7.208 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

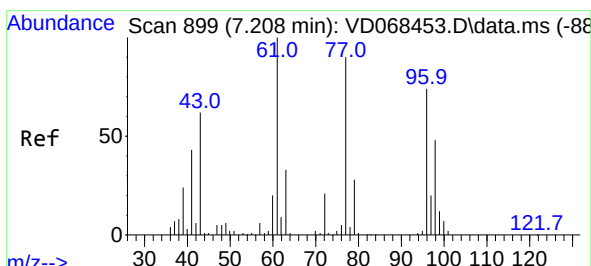
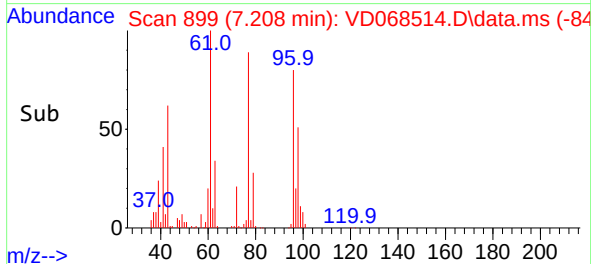
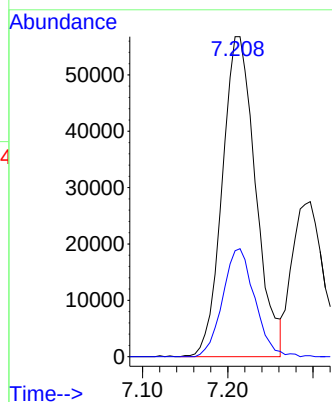
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion: 43 Resp: 154468  
Ion Ratio Lower Upper  
43 100  
72 33.1 25.1 37.7

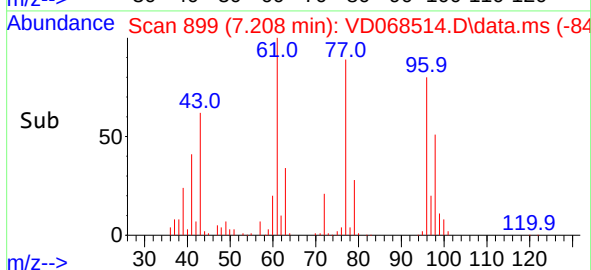
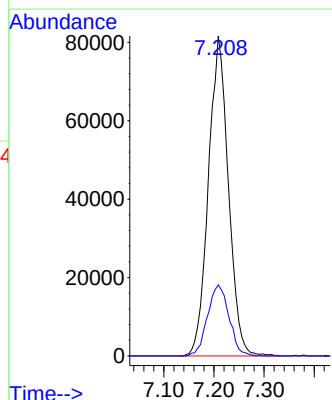
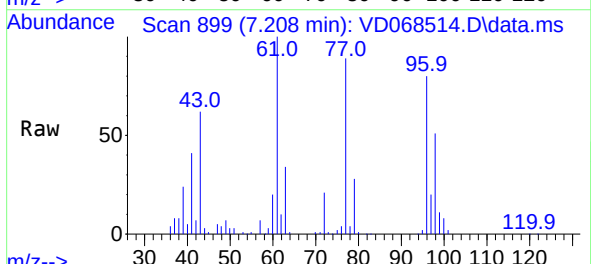
Manual Integrations  
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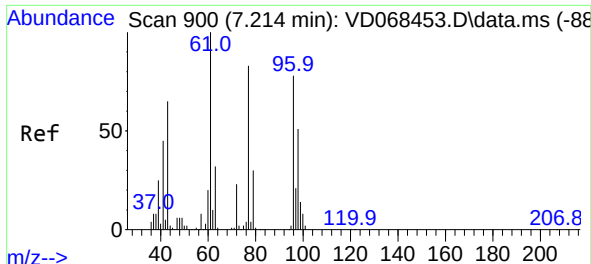
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#26  
2,2-Dichloropropane  
Concen: 45.48 ug/l  
RT: 7.208 min Scan# 899  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

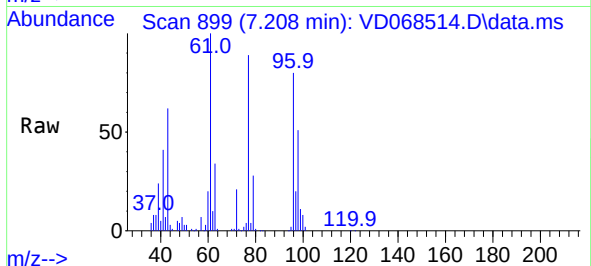
Tgt Ion: 77 Resp: 225767  
Ion Ratio Lower Upper  
77 100  
97 23.9 11.7 35.1





#27  
cis-1,2-Dichloroethene  
Concen: 48.45 ug/l  
RT: 7.208 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

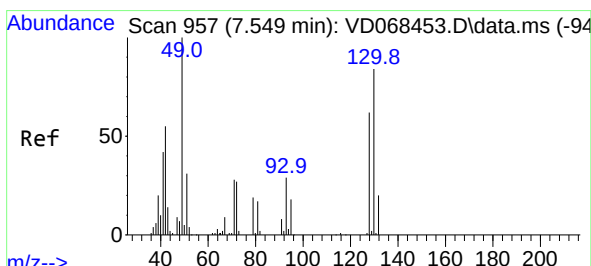
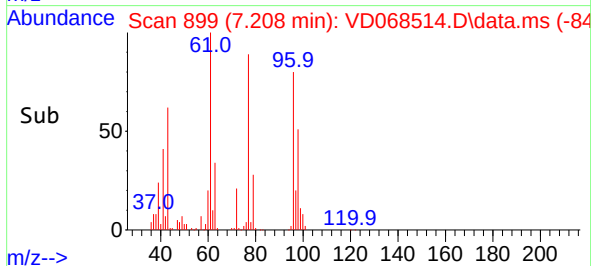
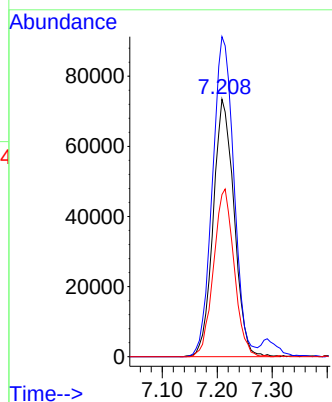
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion: 96 Resp: 194153  
Ion Ratio Lower Upper  
96 100  
61 127.9 0.0 257.4  
98 64.0 0.0 126.6

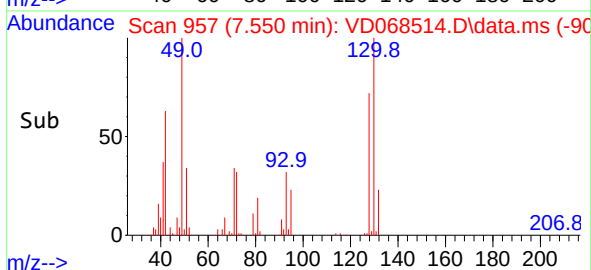
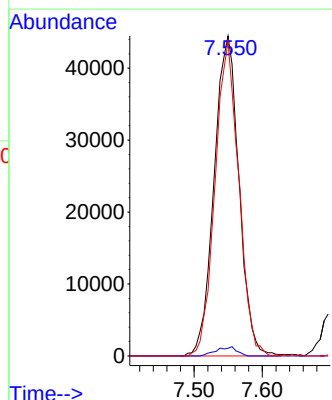
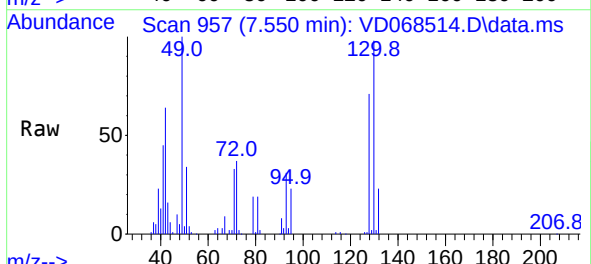
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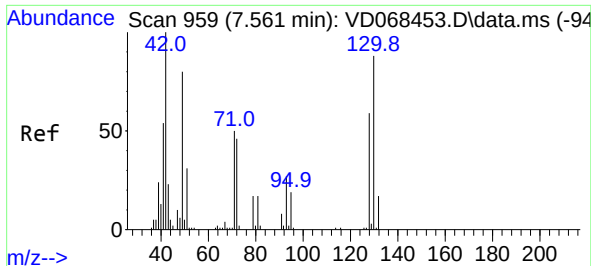
MMDadoda  
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#28  
Bromochloromethane  
Concen: 48.52 ug/l  
RT: 7.550 min Scan# 957  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 49 Resp: 112845  
Ion Ratio Lower Upper  
49 100  
129 2.4 0.0 4.8  
130 93.7 85.5 128.3





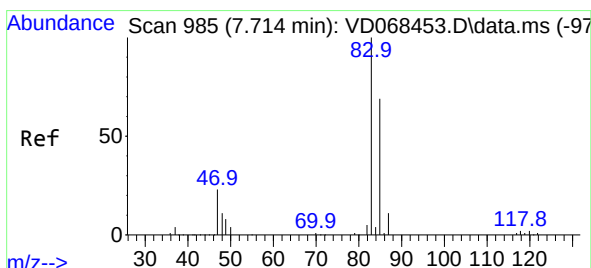
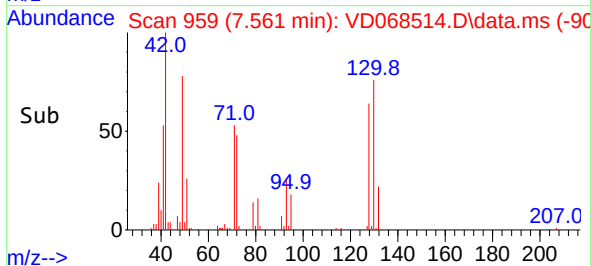
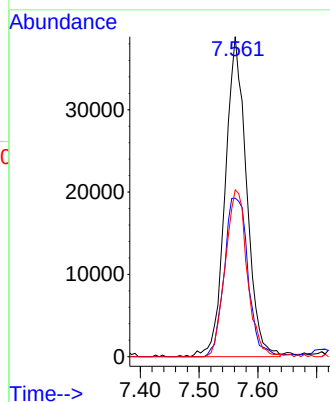
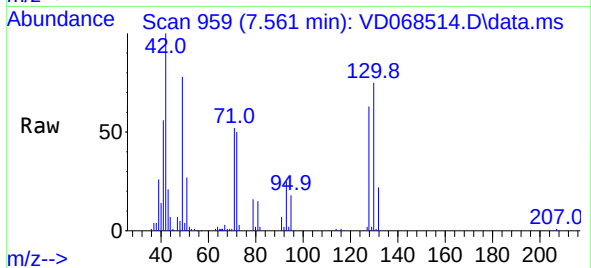
#29  
Tetrahydrofuran  
Concen: 217.10 ug/l  
RT: 7.561 min Scan# 959  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 97899 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 55.8  | 43.4  | 65.0  |
| 71       | 53.8  | 40.8  | 61.2  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

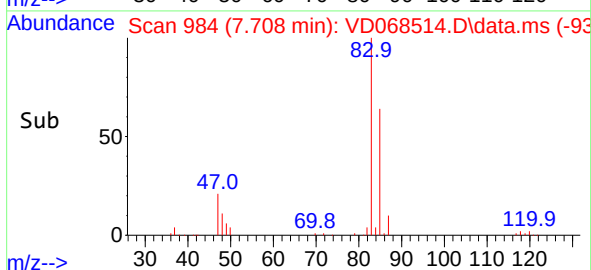
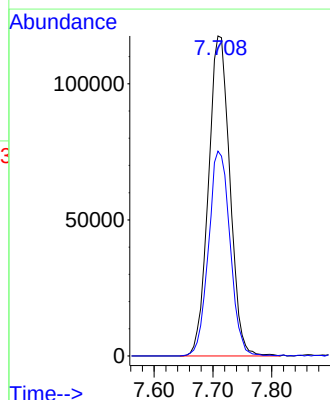
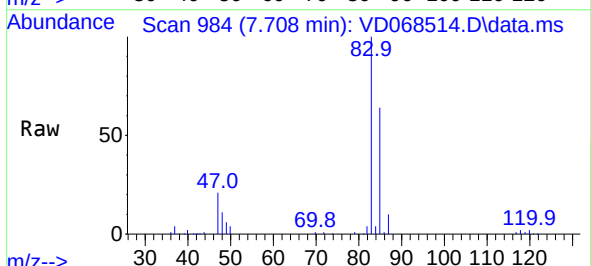
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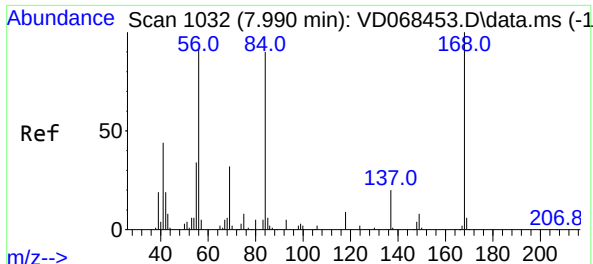
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#30  
Chloroform  
Concen: 47.29 ug/l  
RT: 7.708 min Scan# 984  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

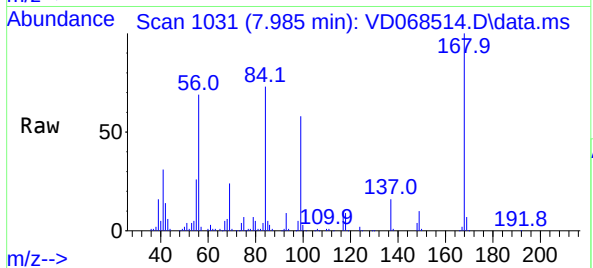
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 297545 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.0  | 53.4  | 80.0   |





#31  
Cyclohexane  
Concen: 39.45 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

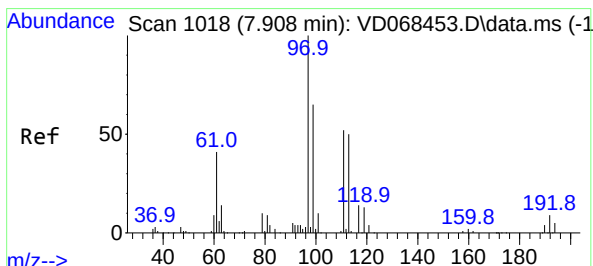
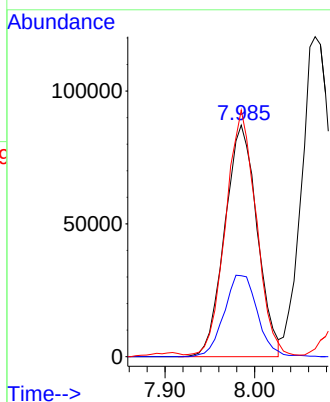
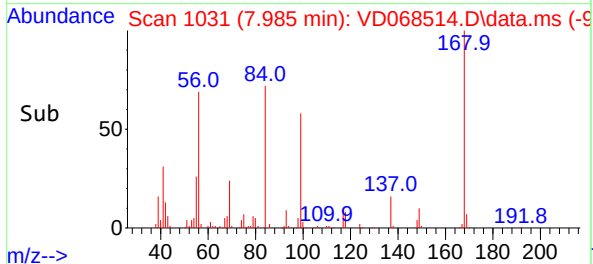
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



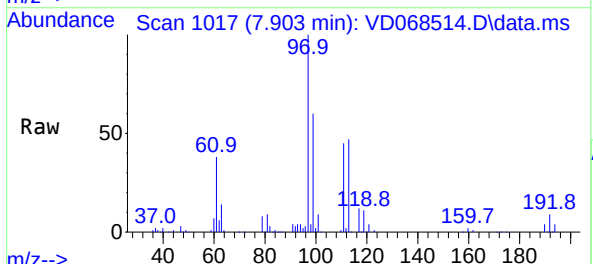
Tgt Ion: 56 Resp: 218198  
Ion Ratio Lower Upper  
56 100  
69 35.0 30.1 45.1  
84 105.1 82.1 123.1

Manual Integrations  
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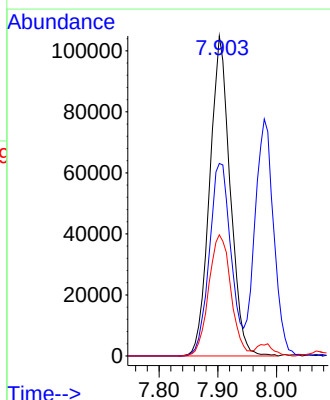
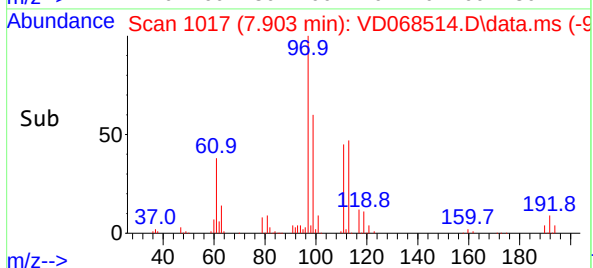
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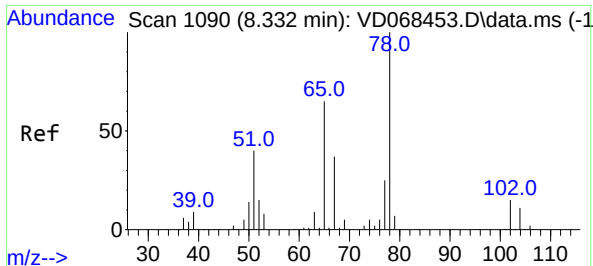


#32  
1,1,1-Trichloroethane  
Concen: 47.25 ug/l  
RT: 7.903 min Scan# 1017  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



Tgt Ion: 97 Resp: 253764  
Ion Ratio Lower Upper  
97 100  
99 63.9 52.1 78.1  
61 41.1 30.1 45.1





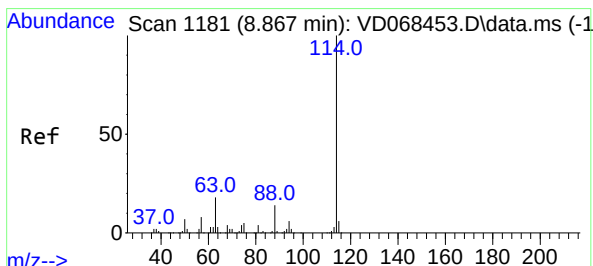
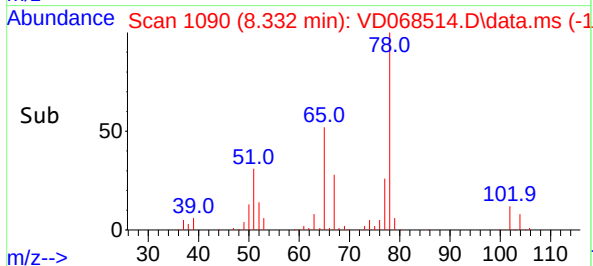
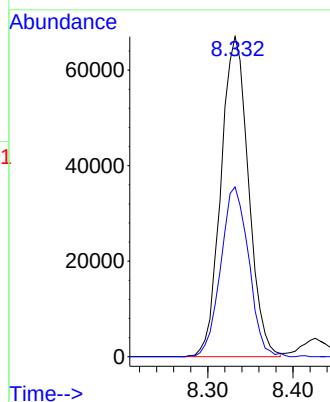
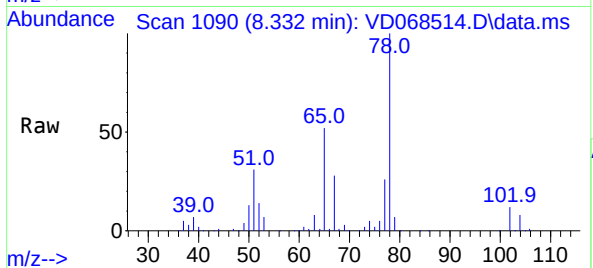
#33  
1,2-Dichloroethane-d4  
Concen: 49.44 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 65 Resp: 150357  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 105.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

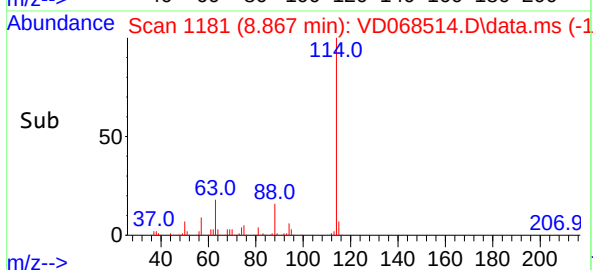
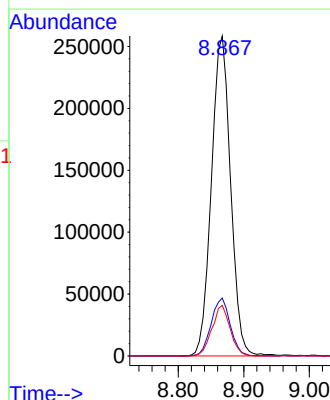
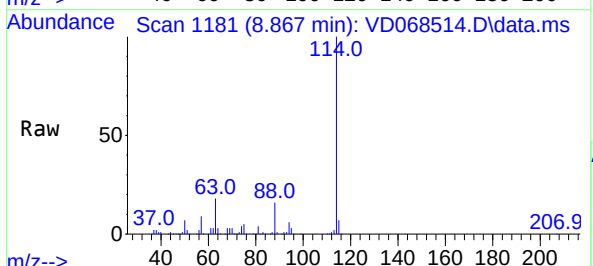
Manual Integrations  
APPROVED

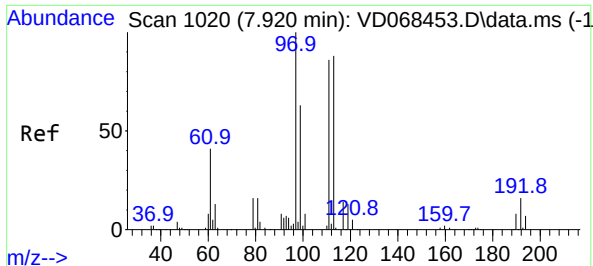
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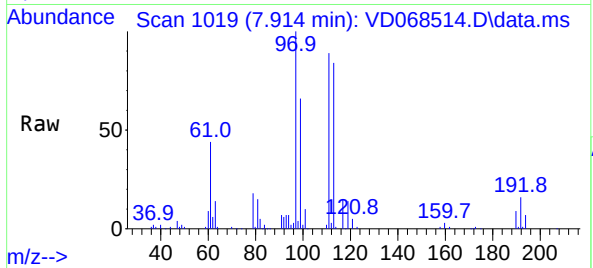
#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 114 Resp: 525001  
Ion Ratio Lower Upper  
114 100  
63 18.1 0.0 34.8  
88 15.8 0.0 31.6

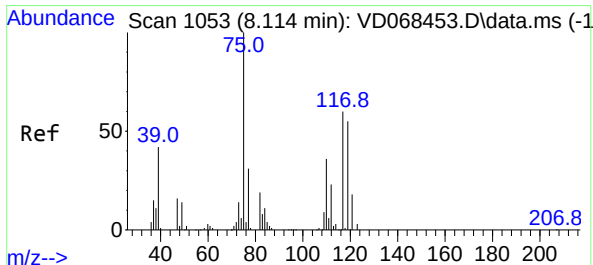
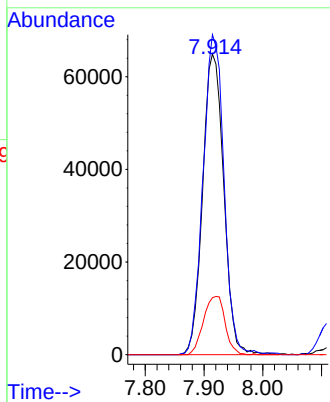
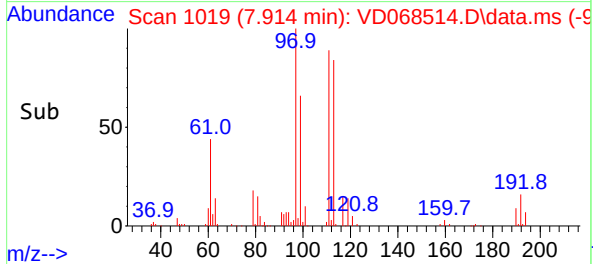




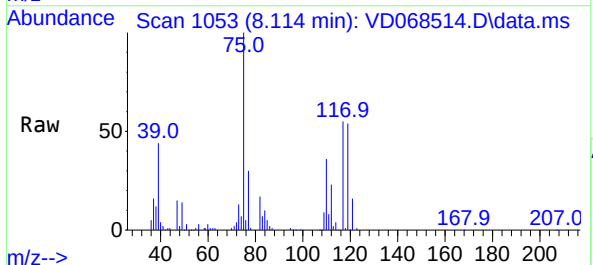
#35  
Dibromofluoromethane  
Concen: 51.13 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



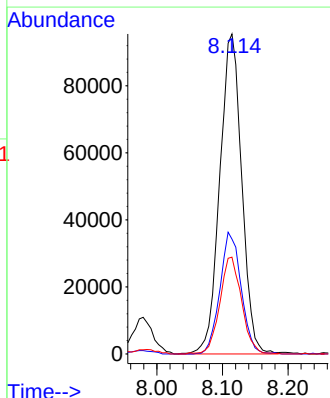
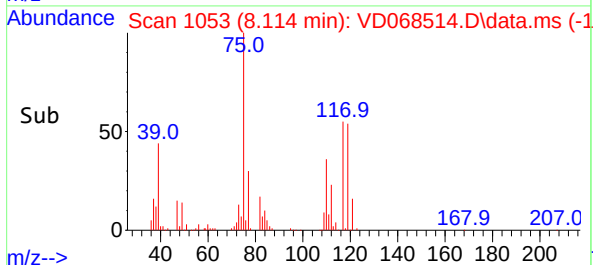
Tgt Ion:113 Resp: 161711  
Ion Ratio Lower Upper  
113 100  
111 105.4 81.4 122.0  
192 19.8 16.1 24.1



#36  
1,1-Dichloropropene  
Concen: 44.49 ug/l  
RT: 8.114 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



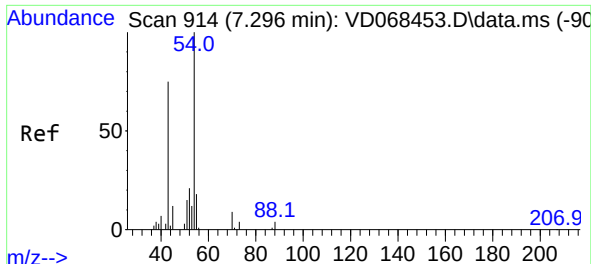
Tgt Ion: 75 Resp: 222040  
Ion Ratio Lower Upper  
75 100  
110 36.8 19.4 58.2  
77 30.0 25.3 37.9



Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

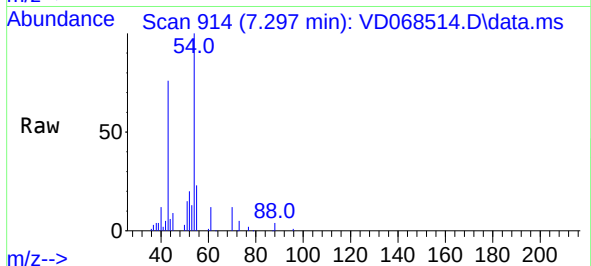
Manual Integrations  
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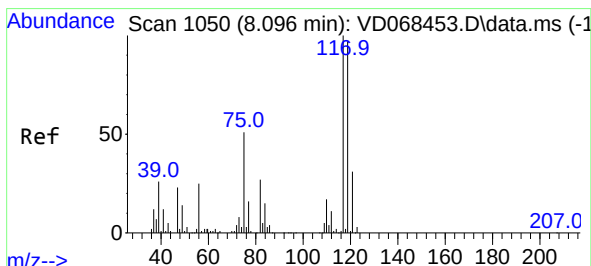
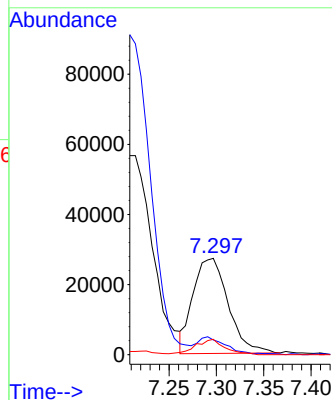
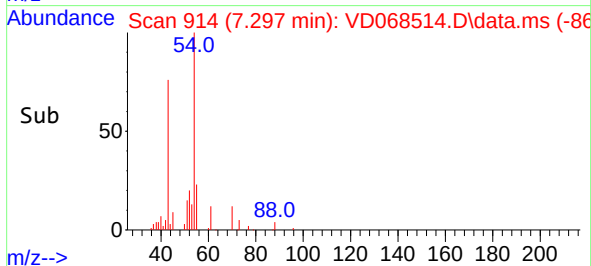


#37  
Ethyl Acetate  
Concen: 42.29 ug/l  
RT: 7.297 min Scan# 914  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

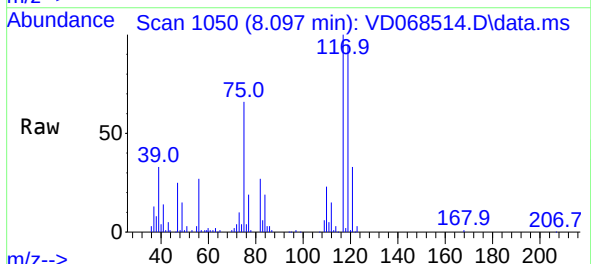
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



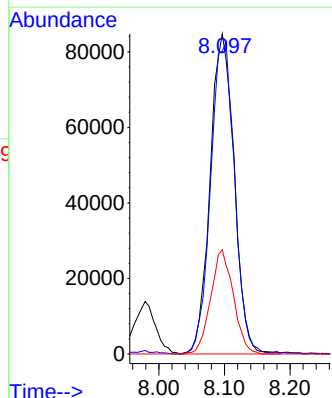
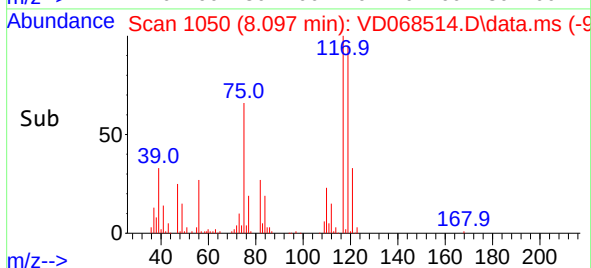
Tgt Ion: 43 Resp: 70016  
Ion Ratio Lower Upper  
43 100  
61 15.5 12.9 19.3  
70 13.6 11.0 16.6

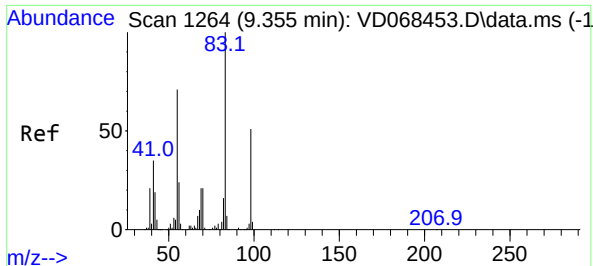


#38  
Carbon Tetrachloride  
Concen: 46.05 ug/l  
RT: 8.097 min Scan# 1050  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



Tgt Ion: 117 Resp: 215912  
Ion Ratio Lower Upper  
117 100  
119 94.6 77.3 115.9  
121 32.6 24.7 37.1





#39

Methylcyclohexane

Concen: 43.20 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VD068514.D

Acq: 03 Mar 2021 15:56

Tgt Ion: 83 Resp: 265869

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 64.4  | 55.2  | 82.8  |
| 98  | 47.2  | 39.1  | 58.7  |

Instrument :

MSVOA\_D

ClientSampleId :

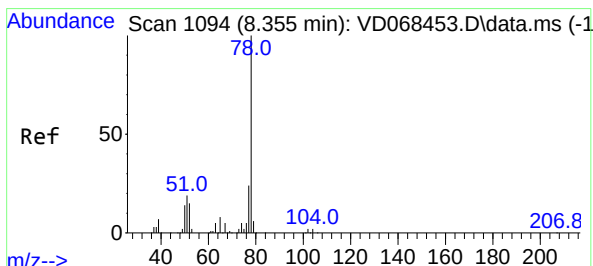
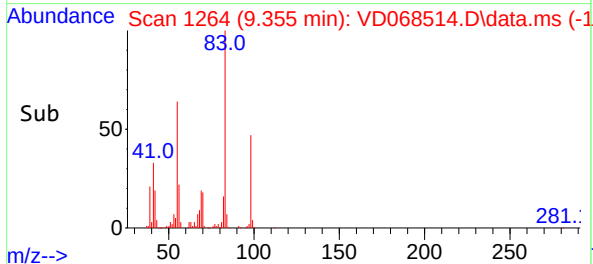
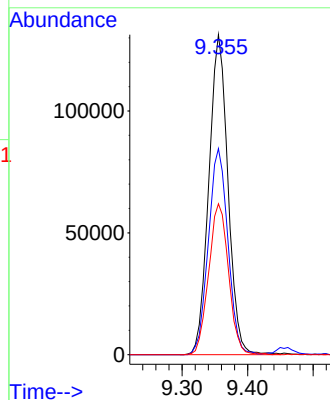
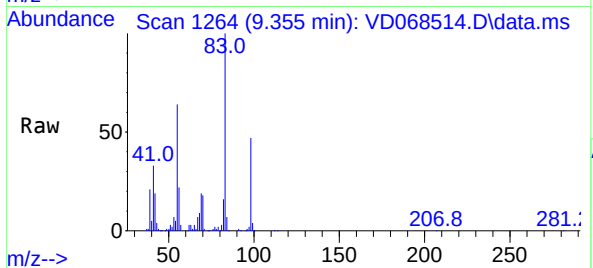
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3/4/2021 2:04:20 PM



#40

Benzene

Concen: 46.45 ug/l

RT: 8.350 min Scan# 1093

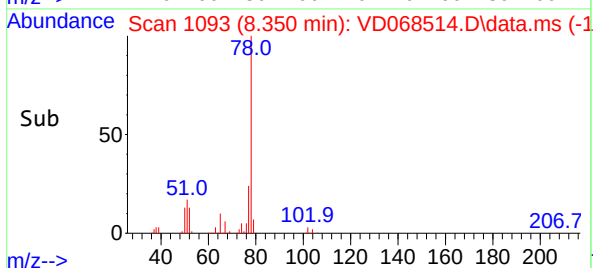
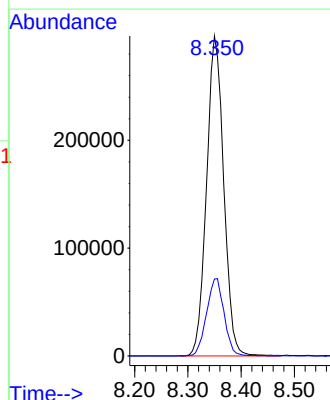
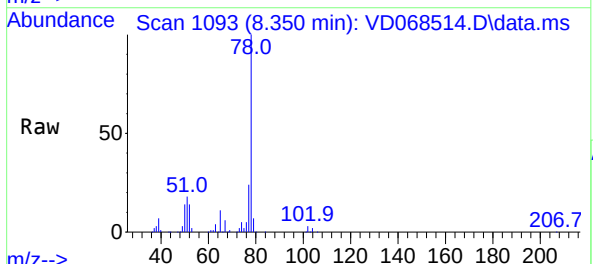
Delta R.T. -0.006 min

Lab File: VD068514.D

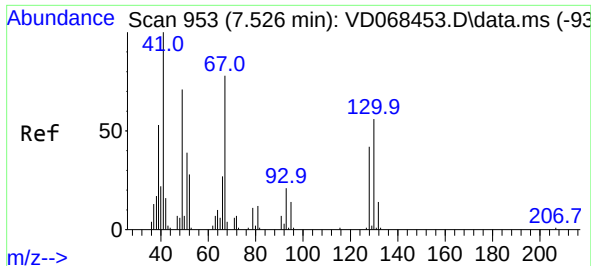
Acq: 03 Mar 2021 15:56

Tgt Ion: 78 Resp: 664972

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 24.0  | 17.8  | 26.6  |

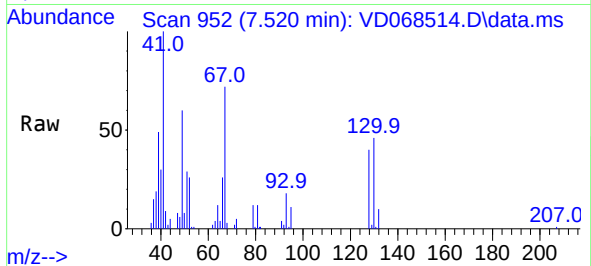






#41  
Methacrylonitrile  
Concen: 45.93 ug/l  
RT: 7.520 min Scan# 952  
Delta R.T. -0.006 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

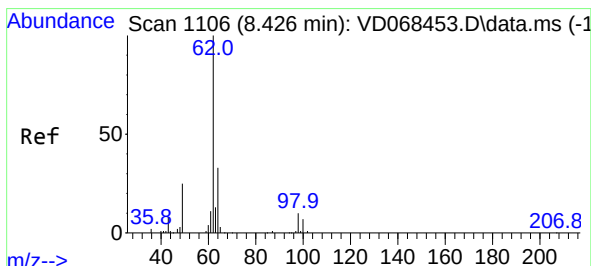
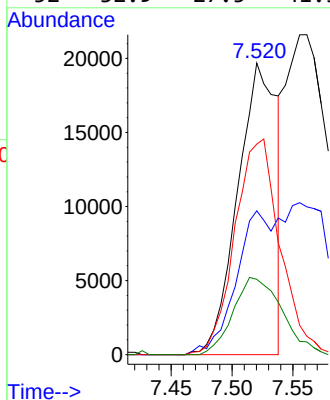
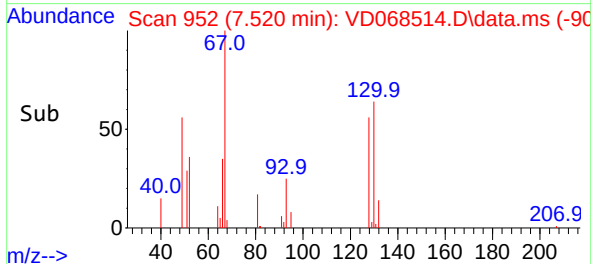
Instrument :  
MSVOA\_D  
ClientSampleId :  
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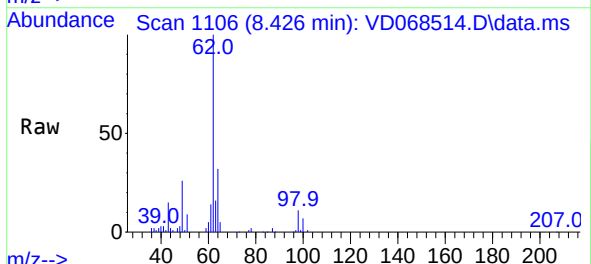
Tgt Ion: 41 Resp: 44143  
Ion Ratio Lower Upper  
41 100  
39 43.9 45.2 67.8#  
67 84.9 67.4 101.2  
52 32.9 27.5 41.3

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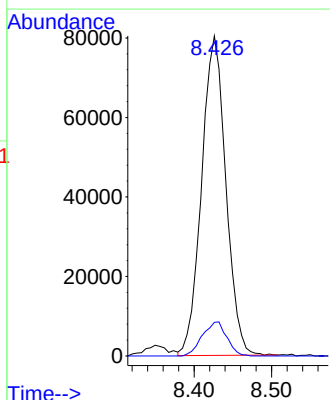
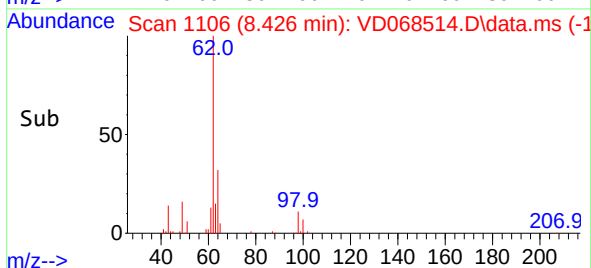
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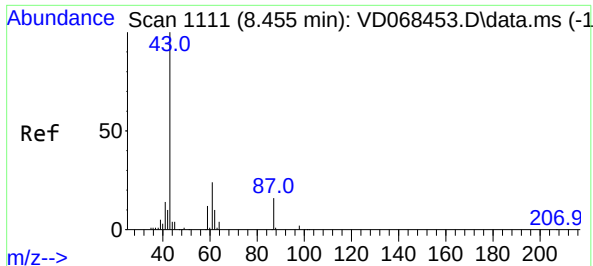


#42  
1,2-Dichloroethane  
Concen: 46.44 ug/l  
RT: 8.426 min Scan# 1106  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



Tgt Ion: 62 Resp: 174810  
Ion Ratio Lower Upper  
62 100  
98 10.7 0.0 21.8





#43

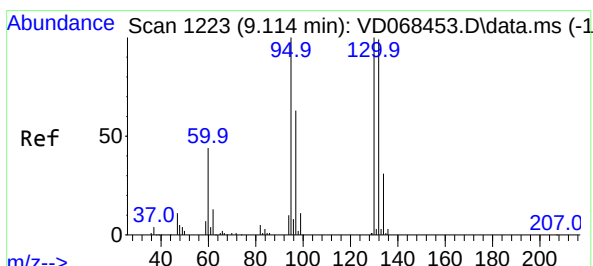
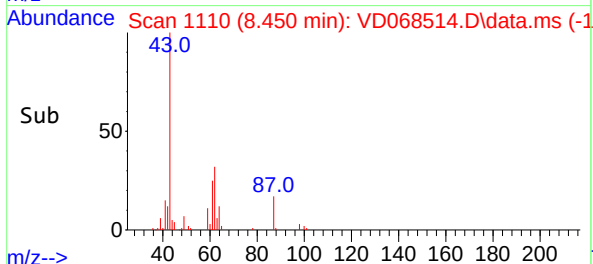
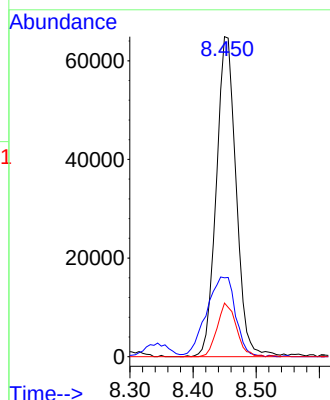
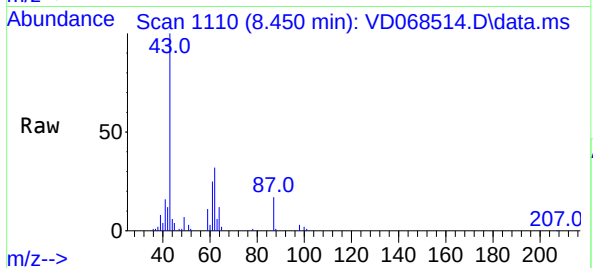
Isopropyl Acetate  
Concen: 46.45 ug/l  
RT: 8.450 min Scan# 1110  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 43 Resp: 141348  
Ion Ratio Lower Upper  
43 100  
61 36.5 28.7 43.1  
87 16.3 13.9 20.9

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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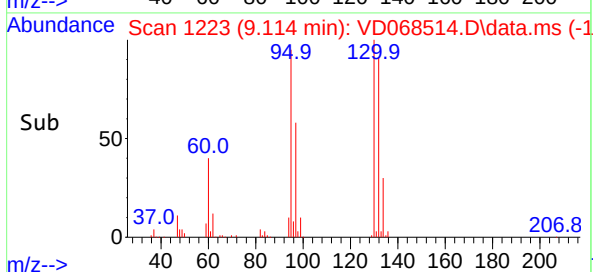
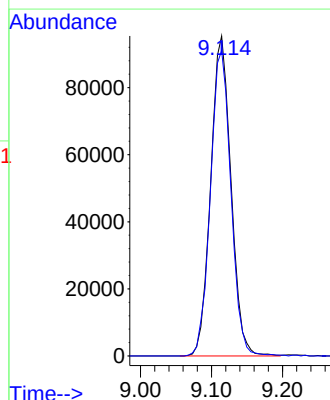
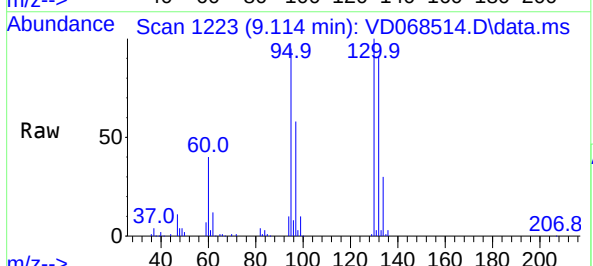
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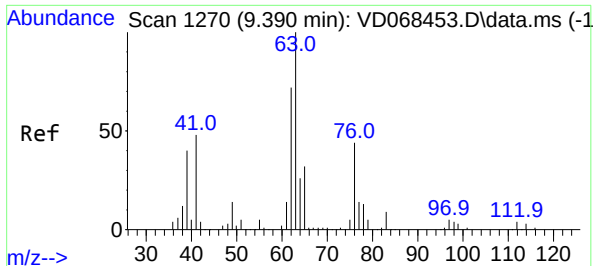


#44

Trichloroethene  
Concen: 48.10 ug/l  
RT: 9.114 min Scan# 1223  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion:130 Resp: 188985  
Ion Ratio Lower Upper  
130 100  
95 95.4 0.0 191.2





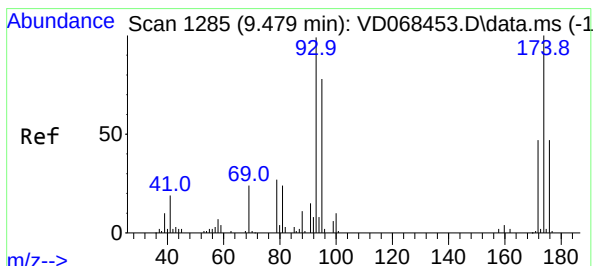
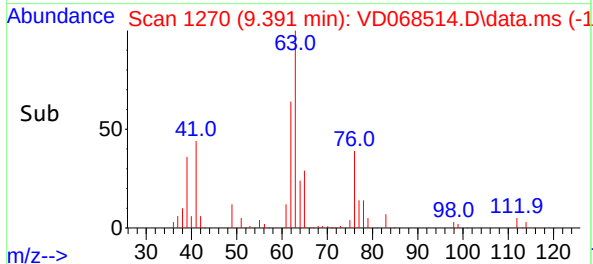
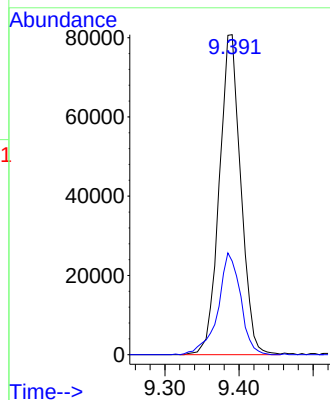
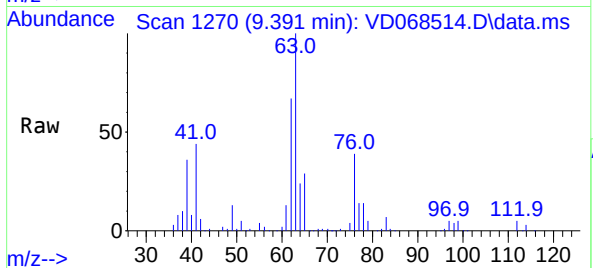
#45  
1,2-Dichloropropane  
Concen: 47.52 ug/l  
RT: 9.391 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 63 Resp: 162621  
Ion Ratio Lower Upper  
63 100  
65 29.2 26.6 40.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

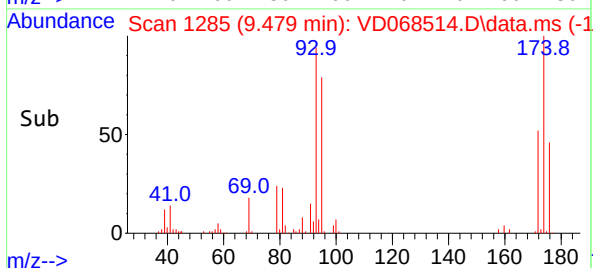
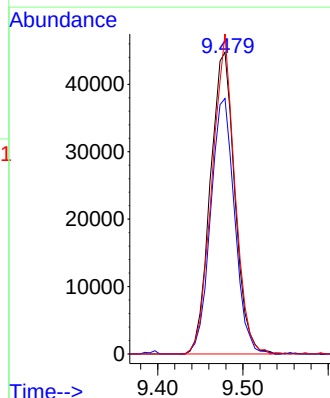
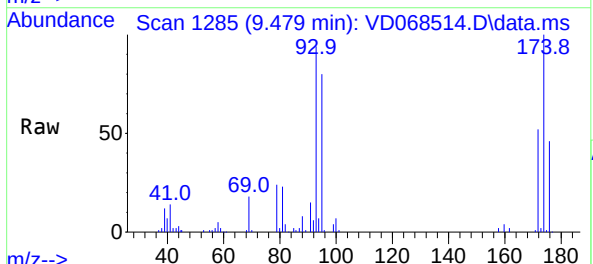
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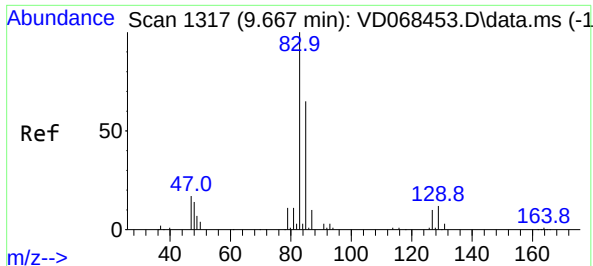
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#46  
Dibromomethane  
Concen: 48.13 ug/l  
RT: 9.479 min Scan# 1285  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

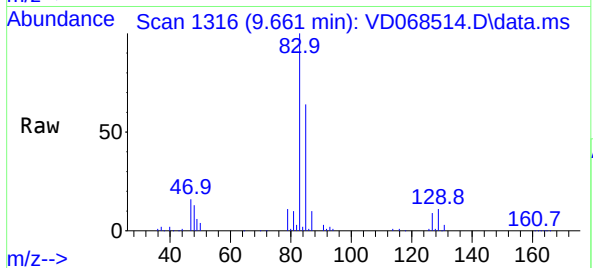
Tgt Ion: 93 Resp: 89603  
Ion Ratio Lower Upper  
93 100  
95 82.8 67.3 100.9  
174 98.6 84.6 127.0





#47  
Bromodichloromethane  
Concen: 48.41 ug/l  
RT: 9.661 min Scan# 1316  
Delta R.T. -0.006 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

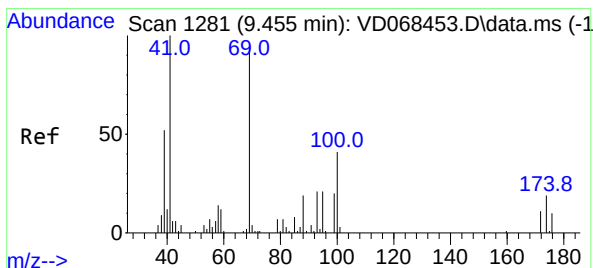
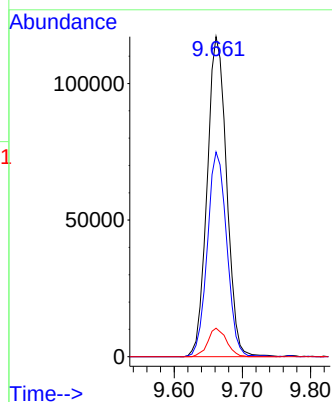
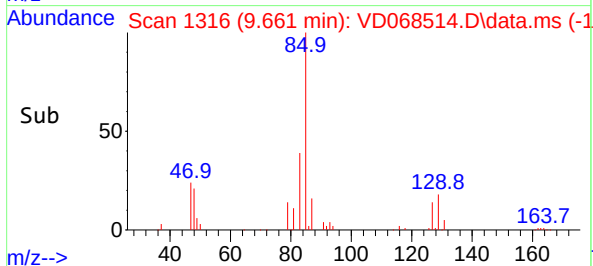
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



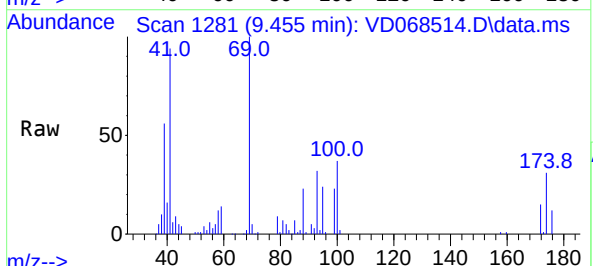
Tgt Ion: 83 Resp: 233147  
Ion Ratio Lower Upper  
83 100  
85 64.0 51.6 77.4  
127 8.9 7.4 11.0

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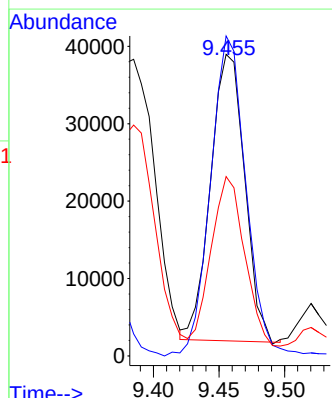
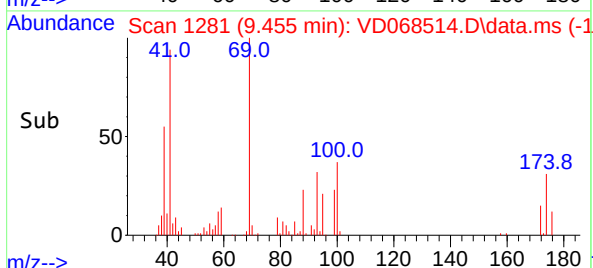
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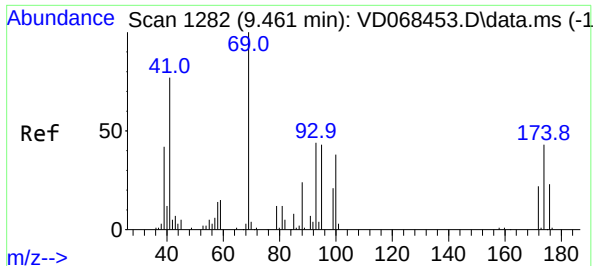


#48  
Methyl methacrylate  
Concen: 41.19 ug/l  
RT: 9.455 min Scan# 1281  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



Tgt Ion: 41 Resp: 66812  
Ion Ratio Lower Upper  
41 100  
69 116.5 77.1 115.7#  
39 58.0 41.5 62.3





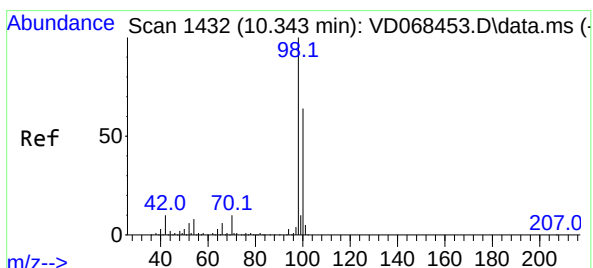
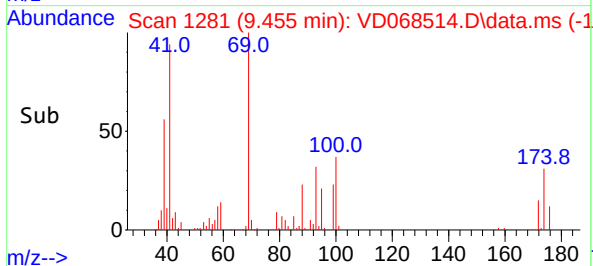
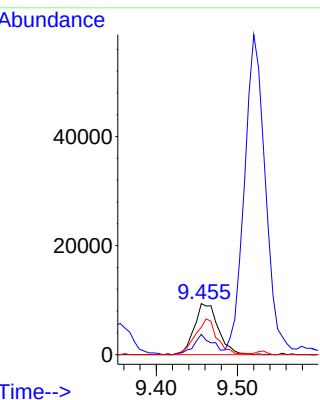
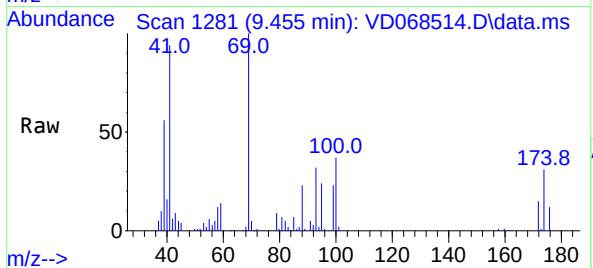
#49  
1,4-Dioxane  
Concen: 900.75 ug/l  
RT: 9.455 min Scan# 1281  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 88 Resp: 19124  
Ion Ratio Lower Upper  
88 100  
43 30.9 22.1 33.1  
58 64.4 46.7 70.1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

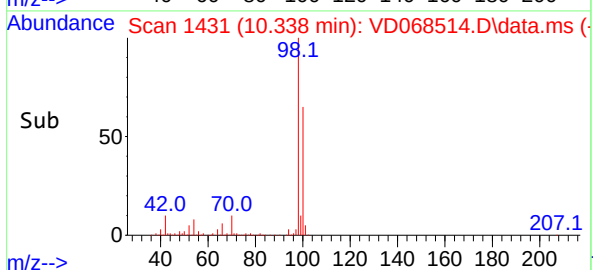
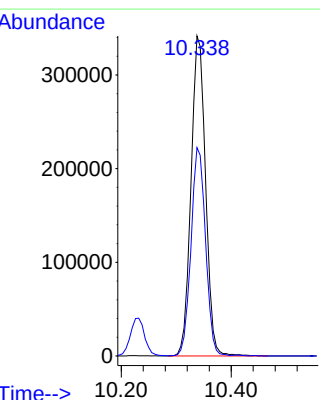
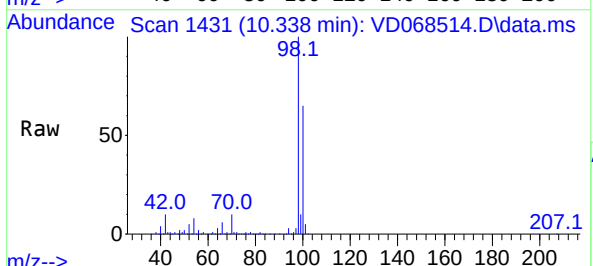
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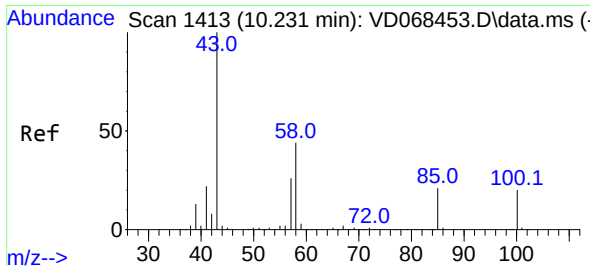
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3/4/2021 2:04:20 PM



#50  
Toluene-d8  
Concen: 49.76 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 98 Resp: 626886  
Ion Ratio Lower Upper  
98 100  
100 64.8 53.0 79.4





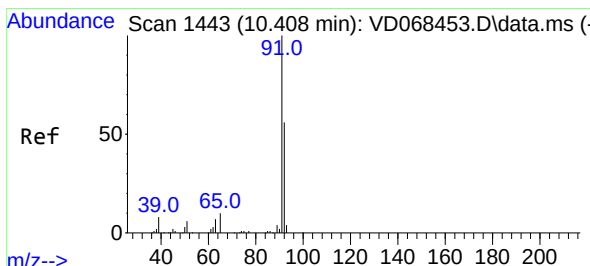
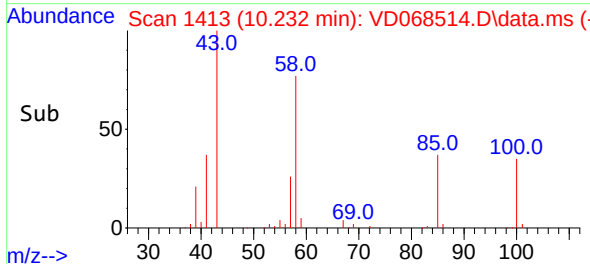
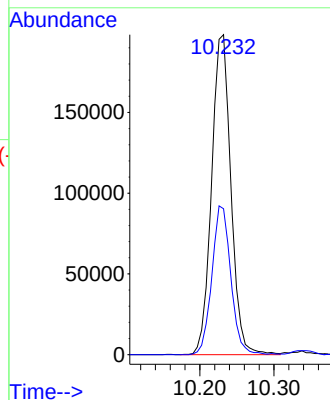
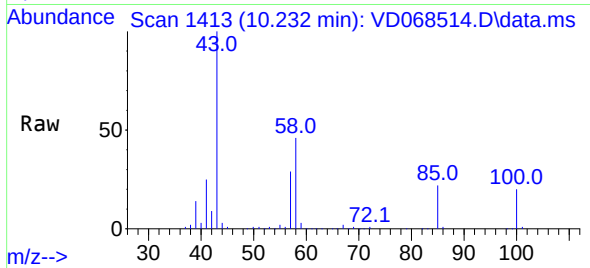
#51  
4-Methyl-2-Pentanone  
Concen: 225.30 ug/l  
RT: 10.232 min Scan# 1413  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 43 Resp: 358768  
Ion Ratio Lower Upper  
43 100  
58 45.5 36.1 54.1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

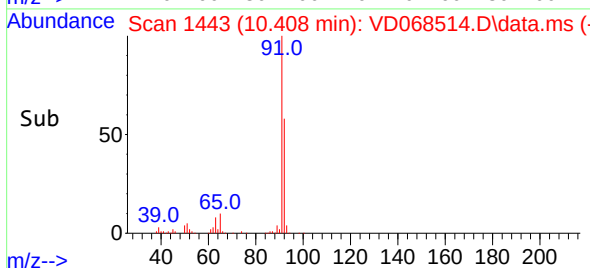
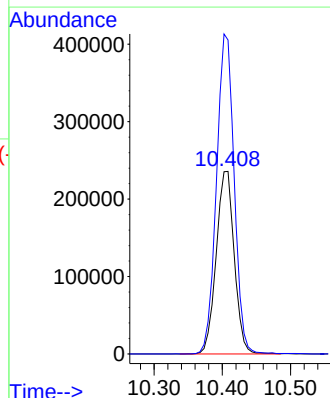
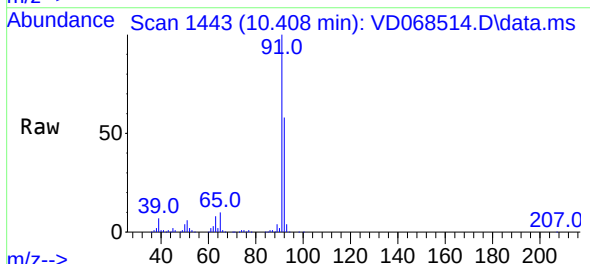
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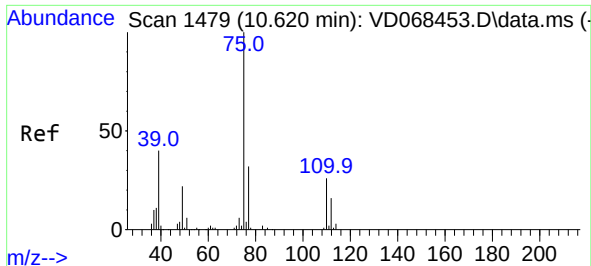
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#52  
Toluene  
Concen: 47.57 ug/l  
RT: 10.408 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 92 Resp: 434833  
Ion Ratio Lower Upper  
92 100  
91 172.1 134.1 201.1





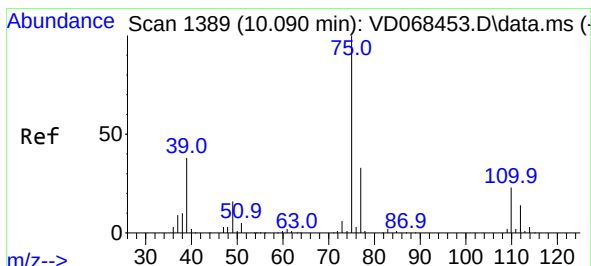
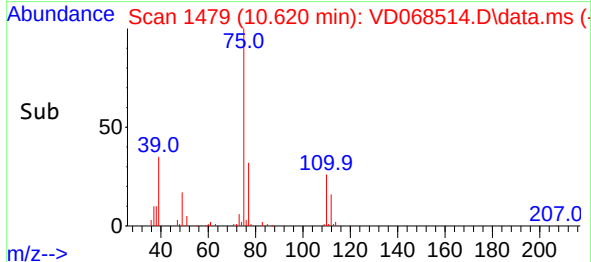
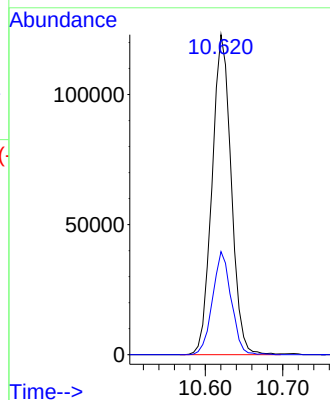
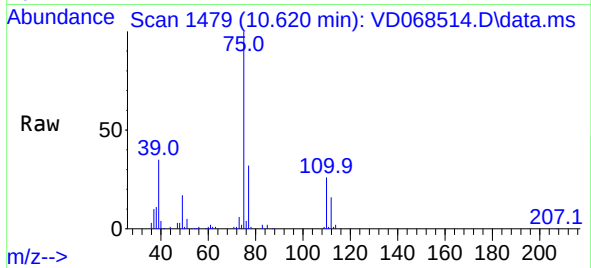
#53  
t-1,3-Dichloropropene  
Concen: 47.66 ug/l  
RT: 10.620 min Scan# 1479  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 75 Resp: 212109  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.0 37.4

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

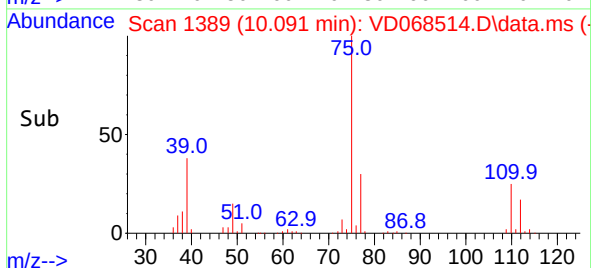
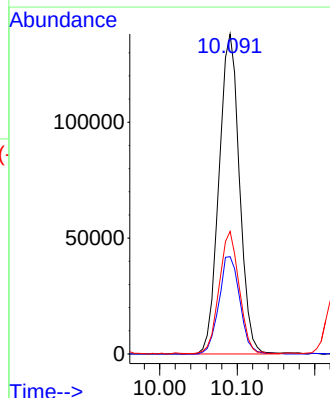
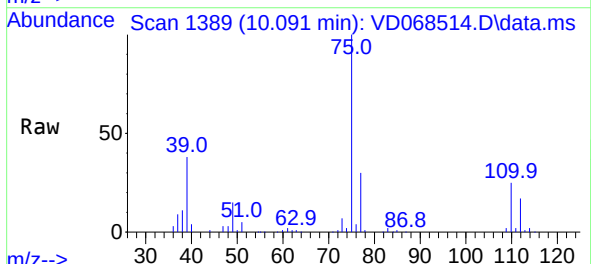
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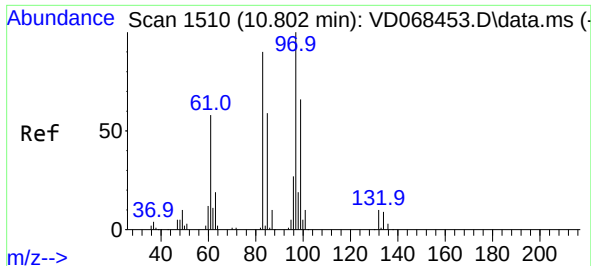
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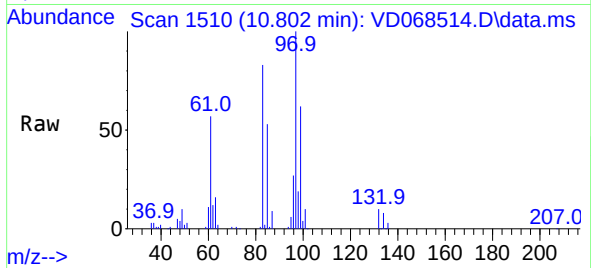
#54  
cis-1,3-Dichloropropene  
Concen: 46.79 ug/l  
RT: 10.091 min Scan# 1389  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 75 Resp: 254102  
Ion Ratio Lower Upper  
75 100  
77 30.4 24.6 37.0  
39 38.2 31.4 47.0



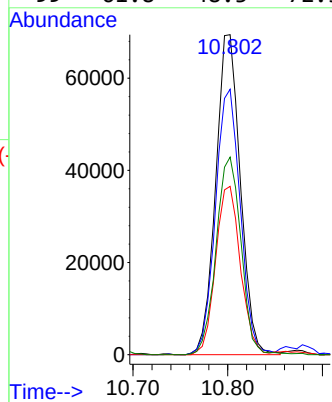


#55  
1,1,2-Trichloroethane  
Concen: 48.82 ug/l  
RT: 10.802 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



Tgt Ion: 97 Resp: 125781

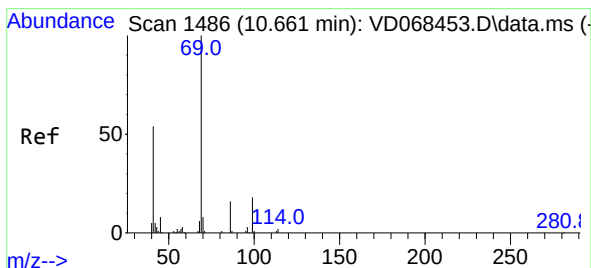
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 82.9  | 61.8  | 92.6  |
| 85  | 52.6  | 42.2  | 63.2  |
| 99  | 61.8  | 48.3  | 72.5  |



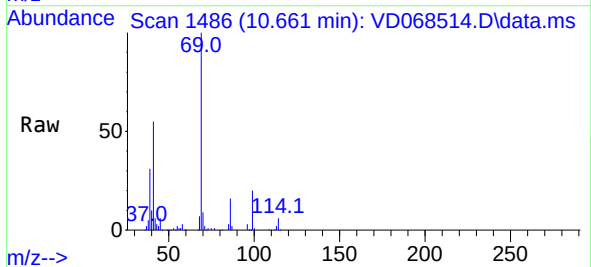
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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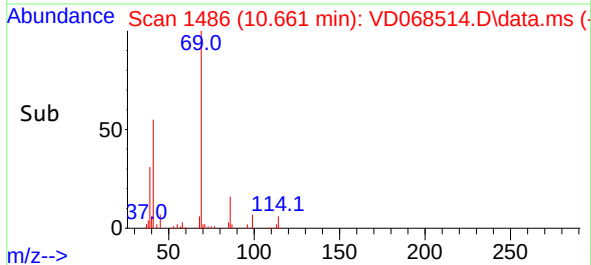
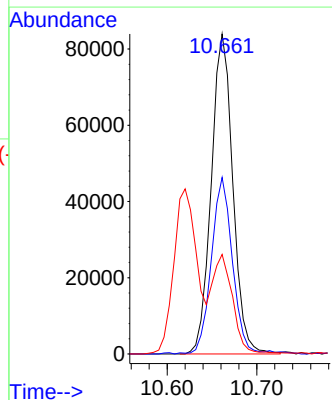


#56  
Ethyl methacrylate  
Concen: 47.36 ug/l  
RT: 10.661 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

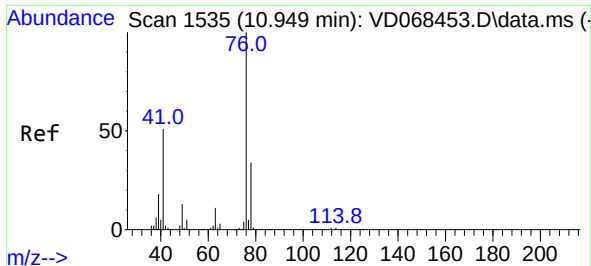


Tgt Ion: 69 Resp: 140242

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 53.7  | 44.9  | 67.3  |
| 39  | 29.7  | 21.9  | 32.9  |







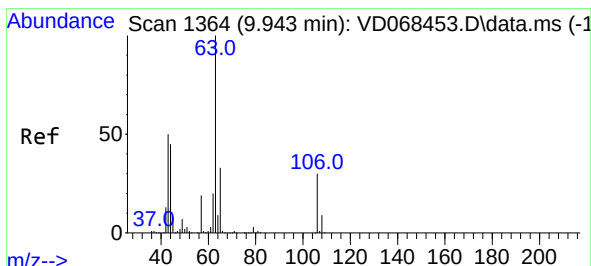
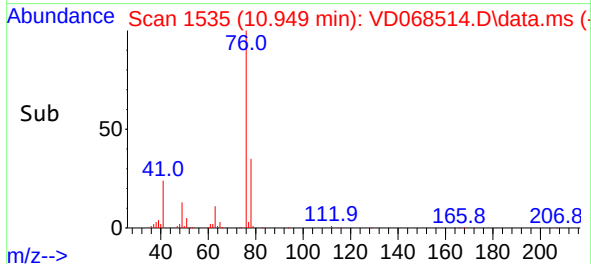
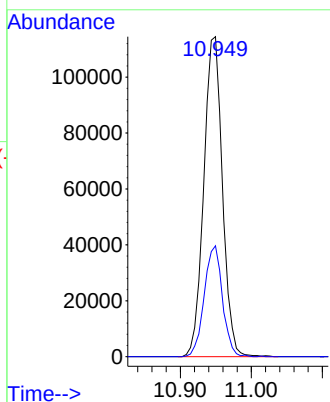
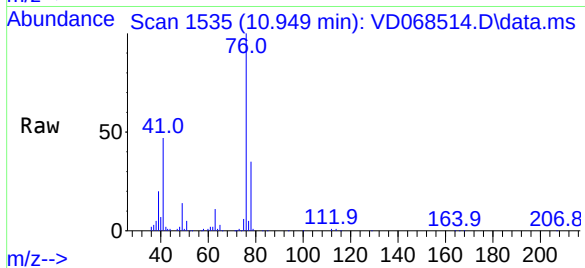
#57  
1,3-Dichloropropane  
Concen: 46.49 ug/l  
RT: 10.949 min Scan# 1535  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 76 Resp: 209065  
Ion Ratio Lower Upper  
76 100  
78 33.9 25.6 38.4

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

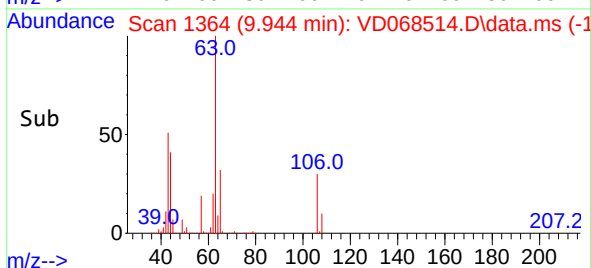
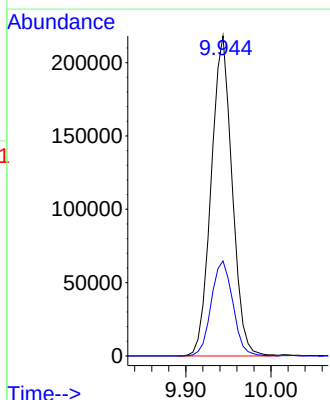
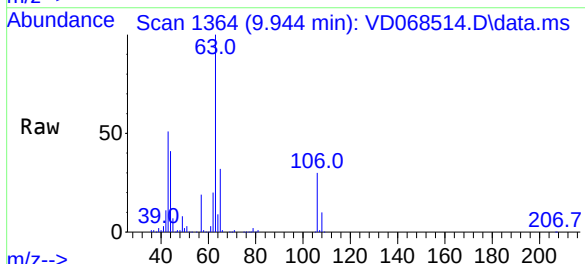
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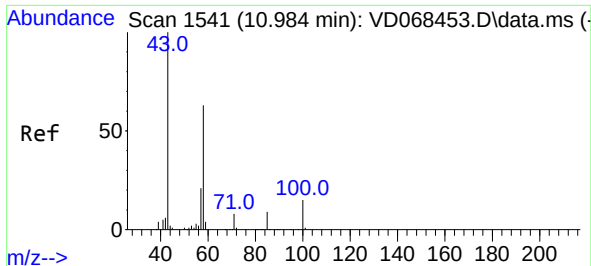
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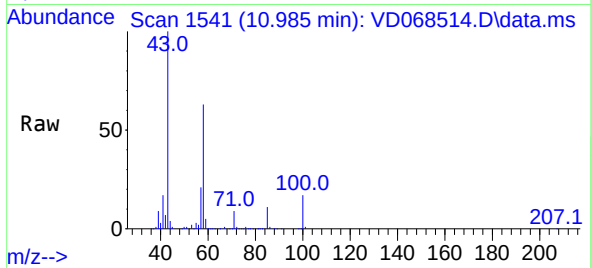
#58  
2-Chloroethyl Vinyl ether  
Concen: 251.36 ug/l  
RT: 9.944 min Scan# 1364  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 63 Resp: 373448  
Ion Ratio Lower Upper  
63 100  
106 30.6 27.0 40.4

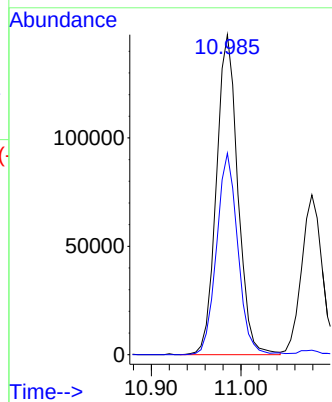
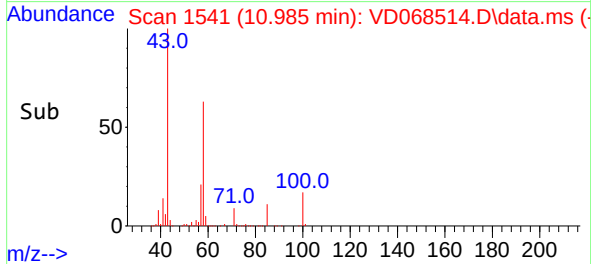




#59  
2-Hexanone  
Concen: 230.81 ug/l  
RT: 10.985 min Scan# 1541  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



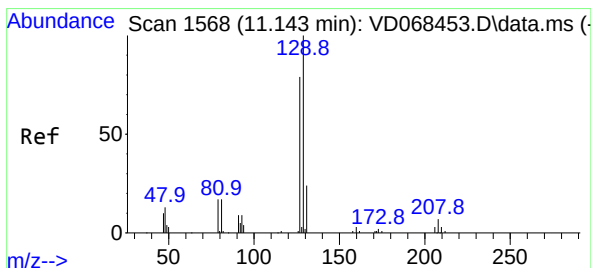
Tgt Ion: 43 Resp: 244988  
Ion Ratio Lower Upper  
43 100  
58 62.5 31.0 93.0



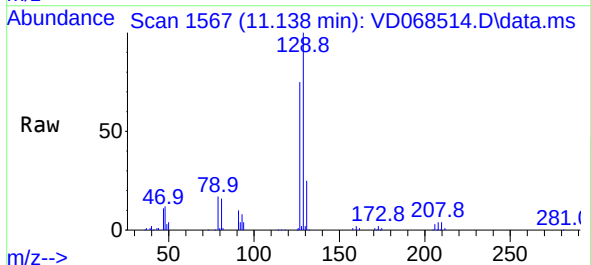
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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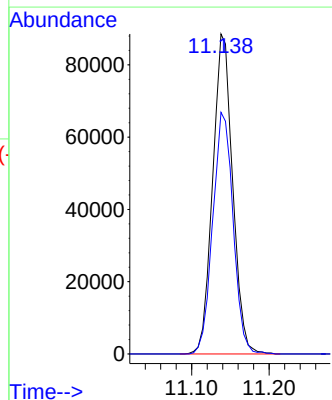
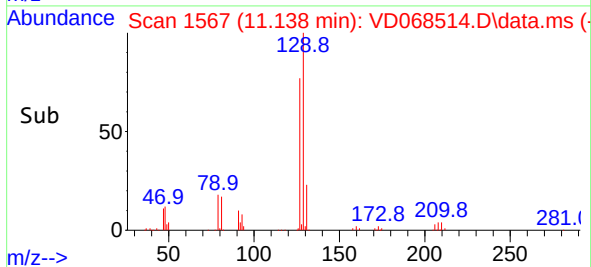
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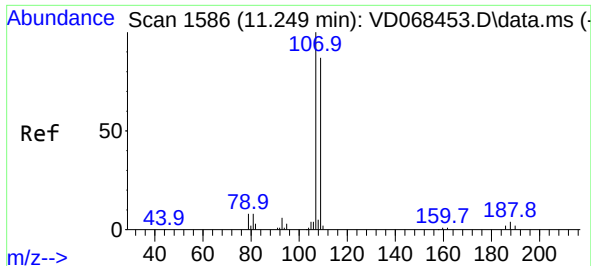


#60  
Dibromochloromethane  
Concen: 49.60 ug/l  
RT: 11.138 min Scan# 1567  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



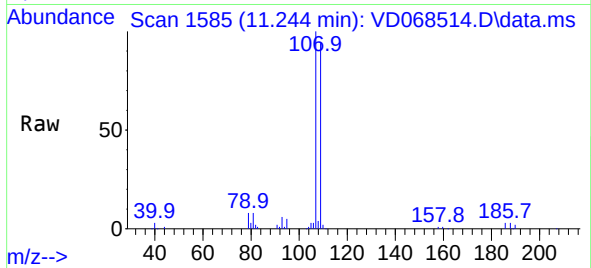
Tgt Ion:129 Resp: 158189  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.6 116.0





#61  
1,2-Dibromoethane  
Concen: 48.43 ug/l  
RT: 11.244 min Scan# 1585  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

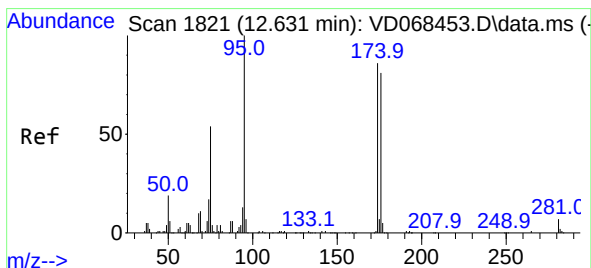
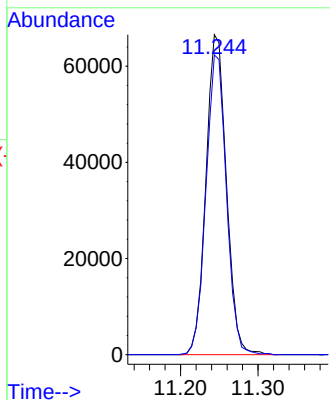
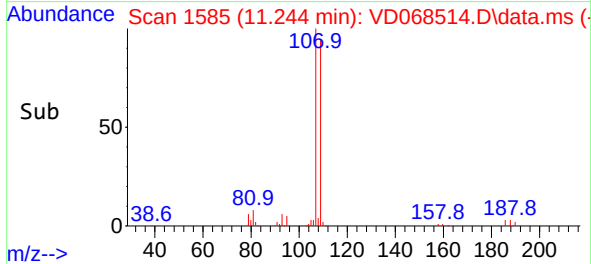
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



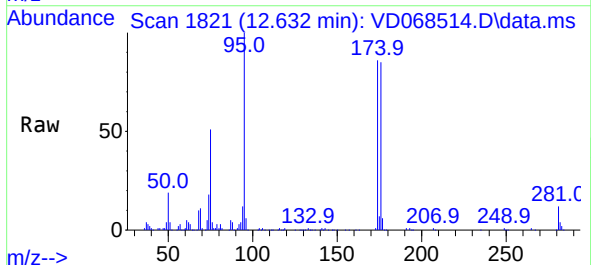
Tgt Ion:107 Resp: 122097  
Ion Ratio Lower Upper  
107 100  
109 93.4 74.8 112.2

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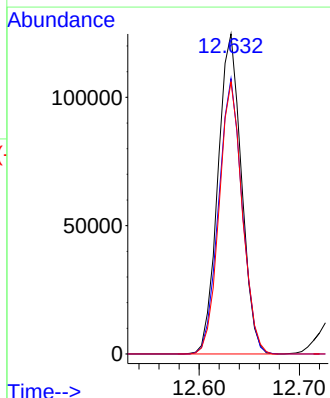
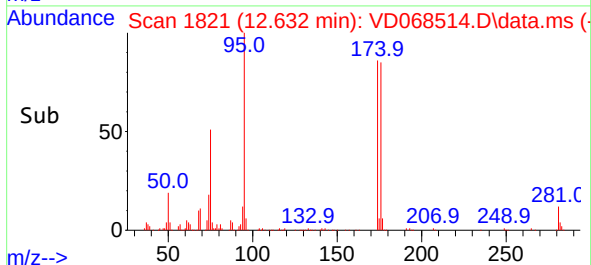
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3/4/2021 2:04:20 PM

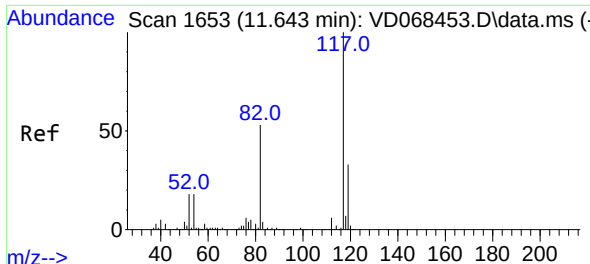


#62  
4-Bromofluorobenzene  
Concen: 49.96 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



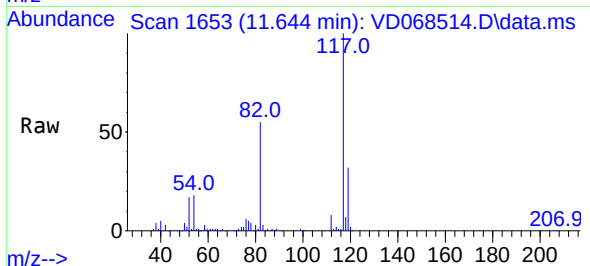
Tgt Ion: 95 Resp: 202829  
Ion Ratio Lower Upper  
95 100  
174 85.5 0.0 172.4  
176 83.3 0.0 168.4





#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

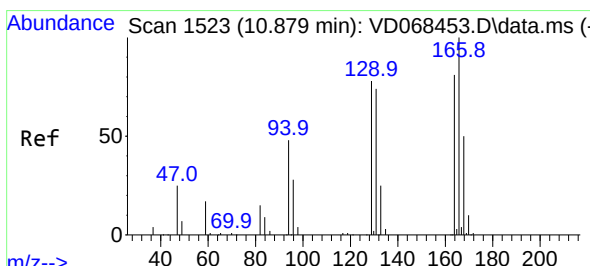
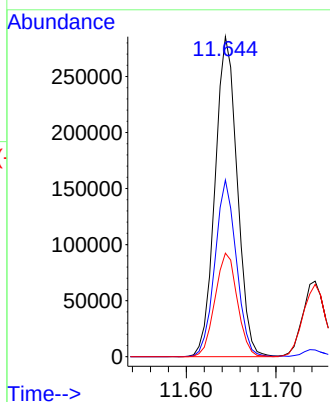
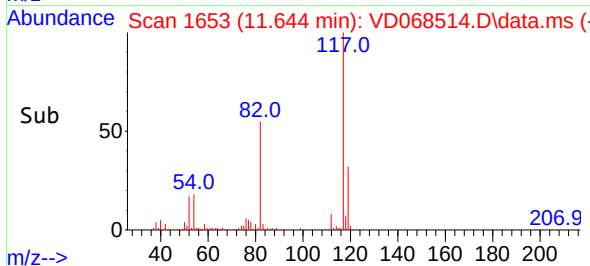
Instrument :  
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ClientSampleId :  
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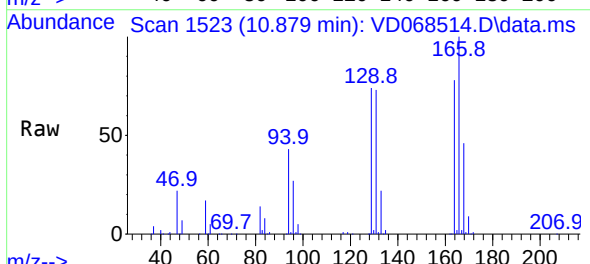
Tgt Ion:117 Resp: 489716  
Ion Ratio Lower Upper  
117 100  
82 55.2 41.4 62.0  
119 32.4 26.1 39.1

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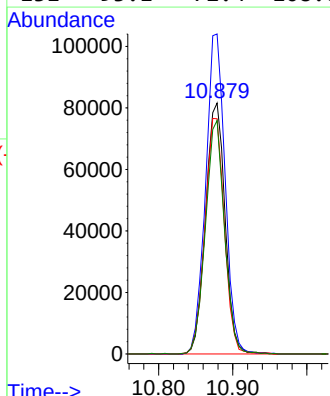
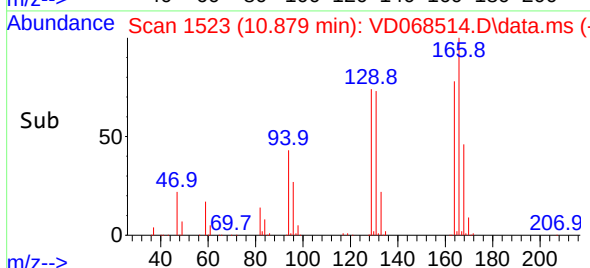
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3/4/2021 2:04:20 PM

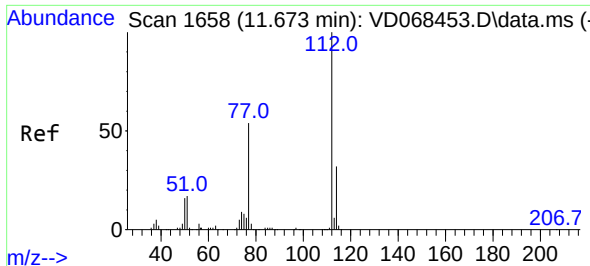


#64  
Tetrachloroethene  
Concen: 46.67 ug/l  
RT: 10.879 min Scan# 1523  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



Tgt Ion:164 Resp: 149230  
Ion Ratio Lower Upper  
164 100  
166 127.6 105.5 158.3  
129 93.8 75.6 113.4  
131 93.1 72.4 108.6





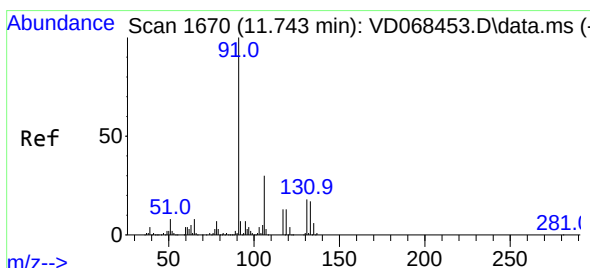
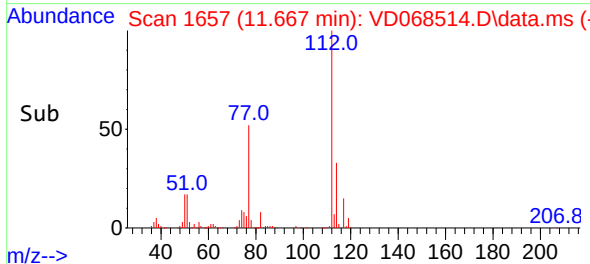
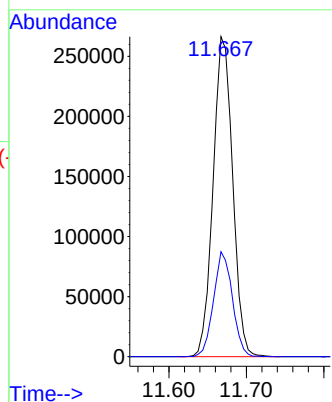
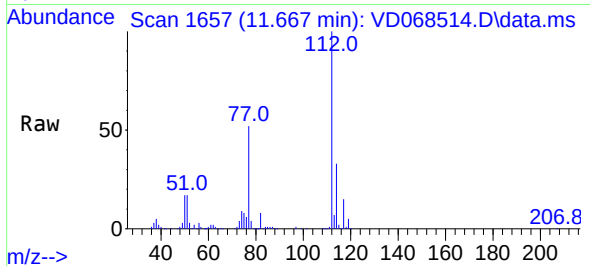
#65  
Chlorobenzene  
Concen: 46.90 ug/l  
RT: 11.667 min Scan# 1657  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:112 Resp: 467724  
Ion Ratio Lower Upper  
112 100  
114 32.8 25.7 38.5

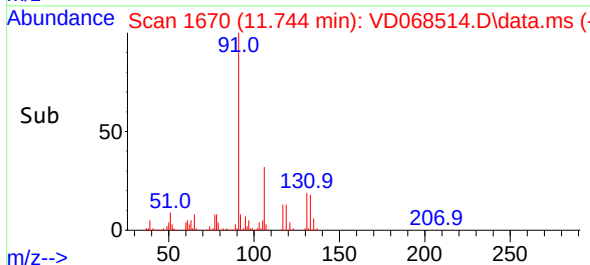
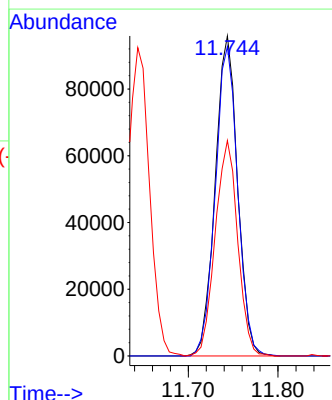
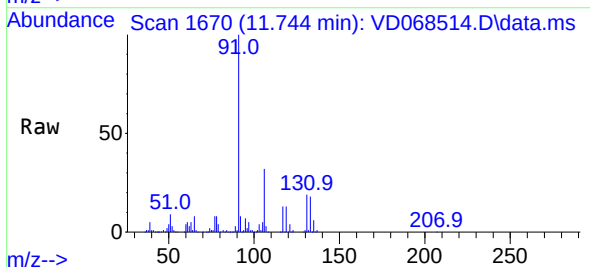
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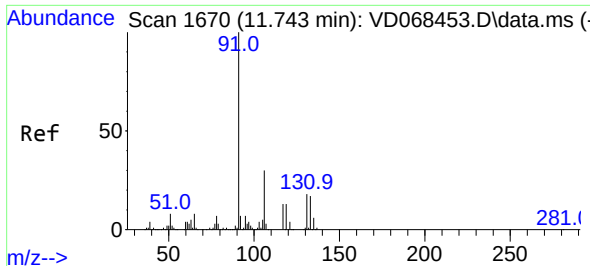
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3/4/2021 2:04:20 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 47.77 ug/l  
RT: 11.744 min Scan# 1670  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion:131 Resp: 165621  
Ion Ratio Lower Upper  
131 100  
133 97.3 48.1 144.4  
119 67.8 31.6 94.8





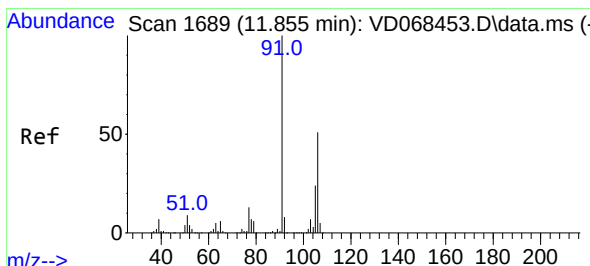
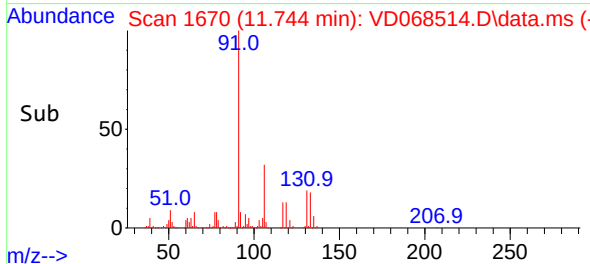
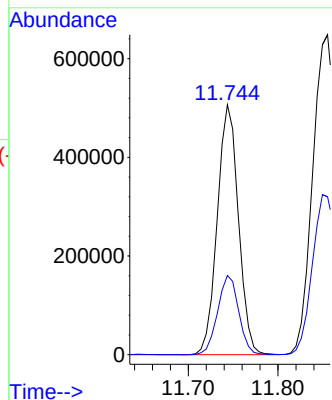
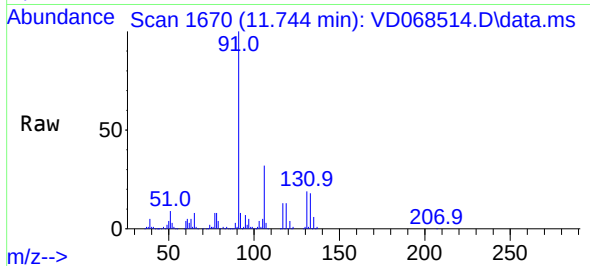
#67  
Ethyl Benzene  
Concen: 46.52 ug/l  
RT: 11.744 min Scan# 1670  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 91 Resp: 828158  
Ion Ratio Lower Upper  
91 100  
106 31.7 25.9 38.9

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

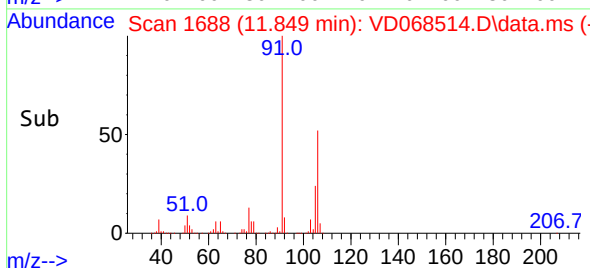
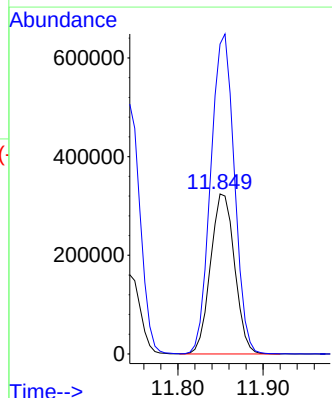
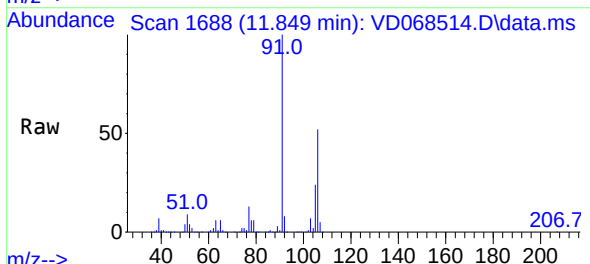
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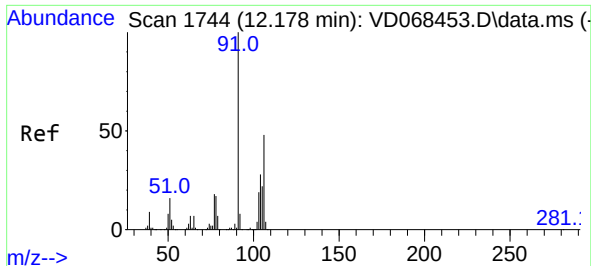
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3/4/2021 2:04:20 PM



#68  
m/p-Xylenes  
Concen: 94.10 ug/l  
RT: 11.849 min Scan# 1688  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion:106 Resp: 636198  
Ion Ratio Lower Upper  
106 100  
91 196.6 159.1 238.7





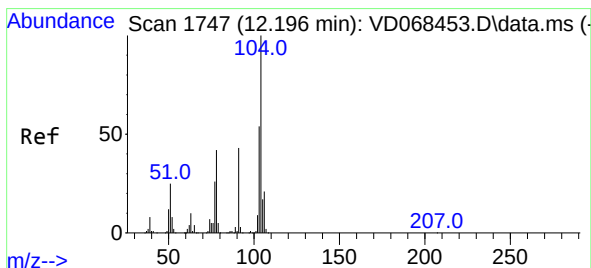
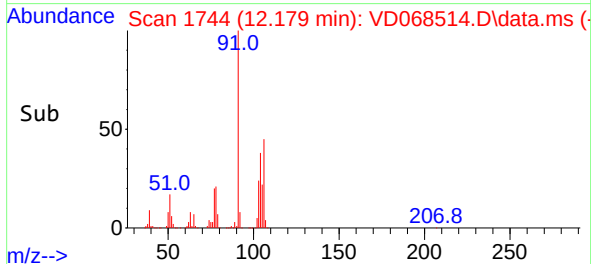
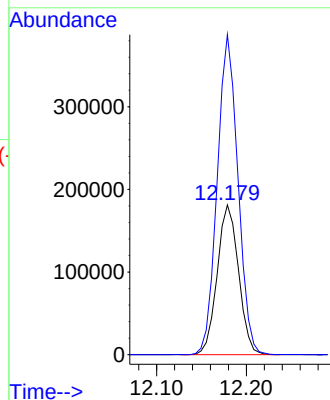
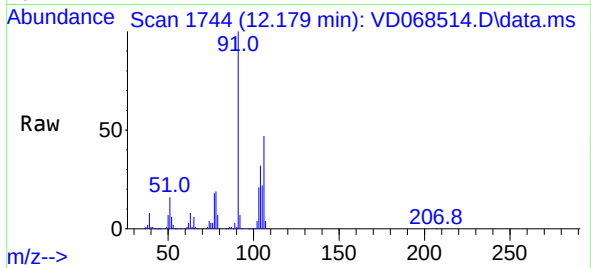
#69  
o-Xylene  
Concen: 48.02 ug/l  
RT: 12.179 min Scan# 1744  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion:106 Resp: 299000  
Ion Ratio Lower Upper  
106 100  
91 207.8 108.7 325.9

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

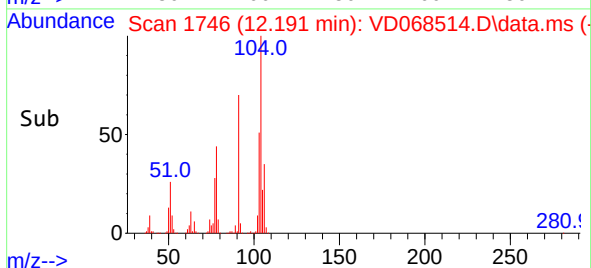
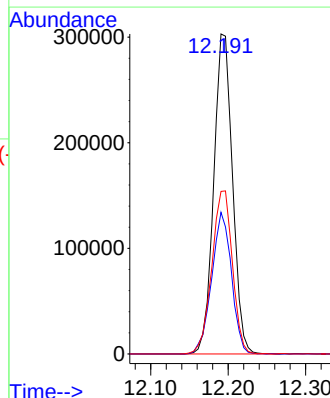
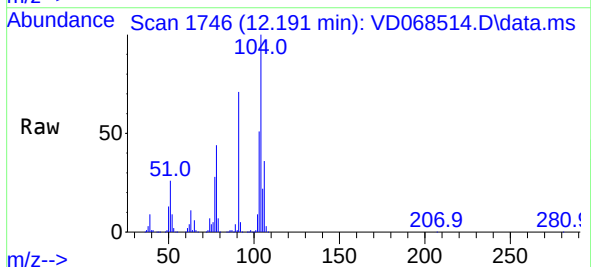
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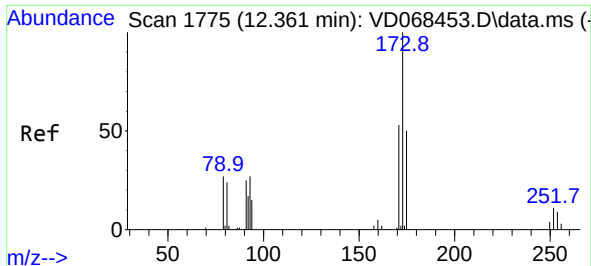
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3/4/2021 2:04:20 PM



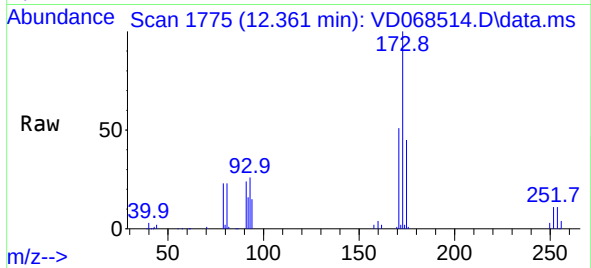
#70  
Styrene  
Concen: 47.93 ug/l  
RT: 12.191 min Scan# 1746  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion:104 Resp: 510419  
Ion Ratio Lower Upper  
104 100  
78 46.6 38.2 57.2  
103 55.9 43.1 64.7

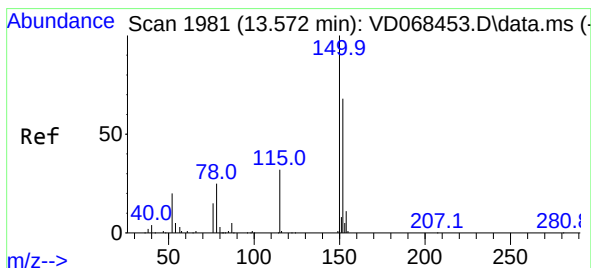
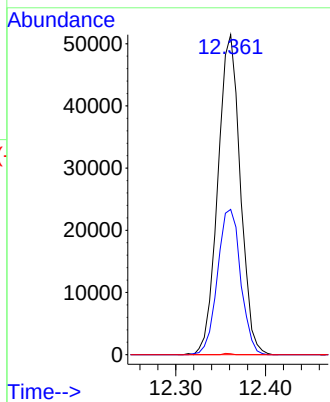
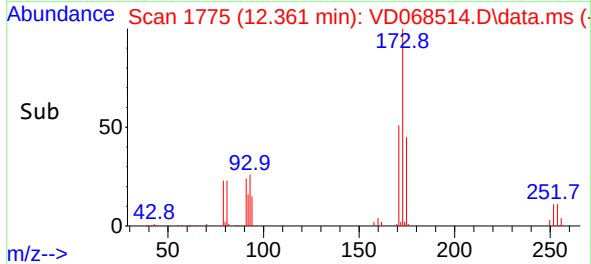




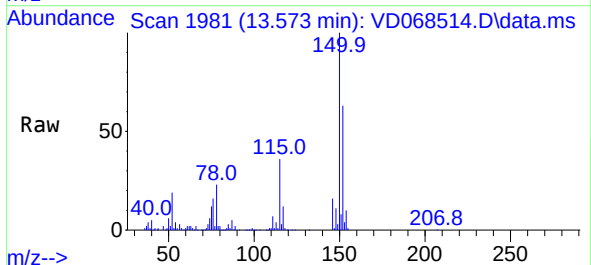
#71  
Bromoform  
Concen: 50.67 ug/l  
RT: 12.361 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



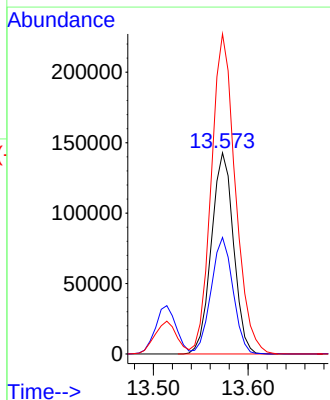
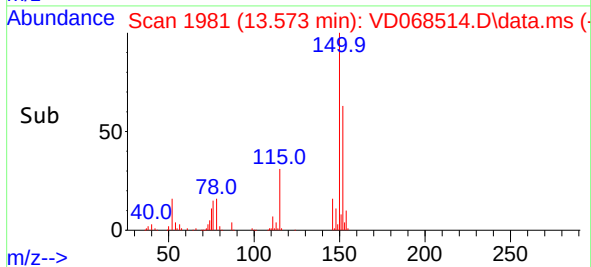
Tgt Ion:173 Resp: 89231  
Ion Ratio Lower Upper  
173 100  
175 46.8 24.6 73.8  
254 0.1 0.0 0.0#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.001 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



Tgt Ion:152 Resp: 231718  
Ion Ratio Lower Upper  
152 100  
115 57.3 28.9 86.8  
150 172.9 0.0 344.4

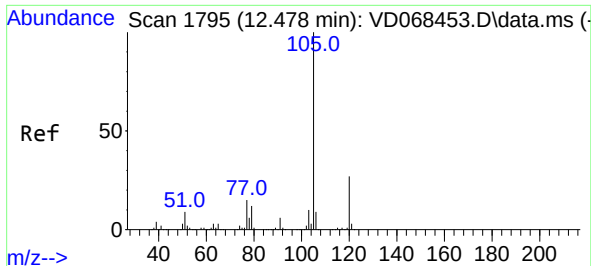


Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

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3/4/2021 2:04:20 PM





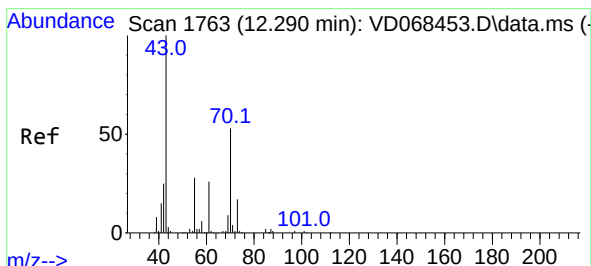
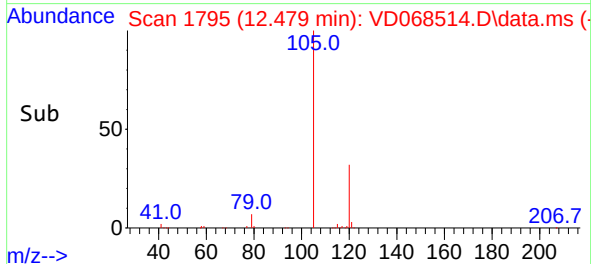
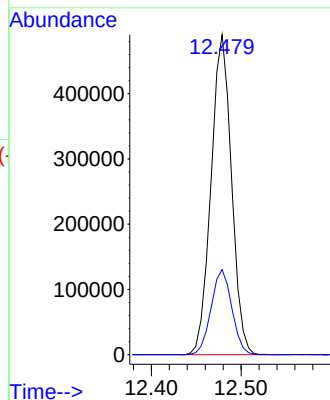
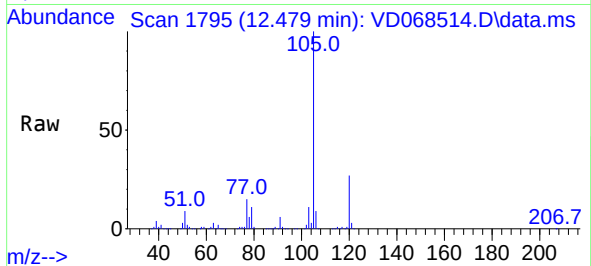
#73  
Isopropylbenzene  
Concen: 45.14 ug/l  
RT: 12.479 min Scan# 1795  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 105 Resp: 775711  
Ion Ratio Lower Upper  
105 100  
120 26.9 13.2 39.6

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

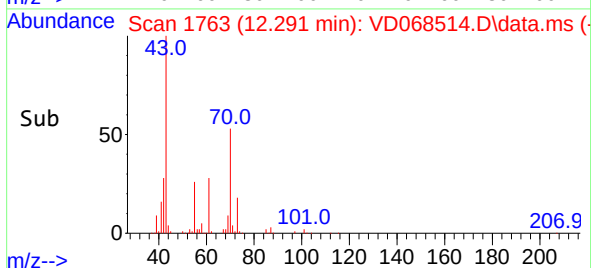
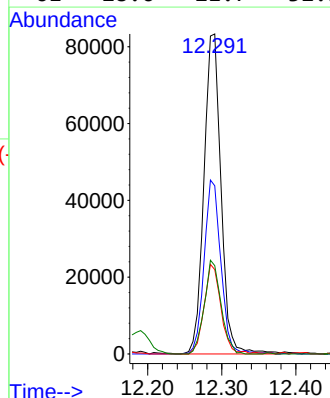
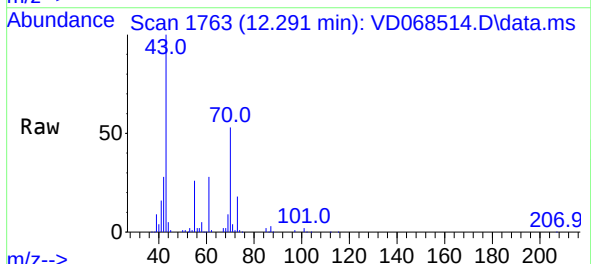
Manual Integrations  
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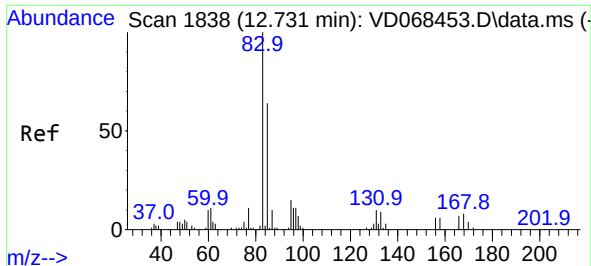
MMDadoda  
3/4/2021 2:04:20 PM



#74  
N-ethyl acetate  
Concen: 45.64 ug/l  
RT: 12.291 min Scan# 1763  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 43 Resp: 133615  
Ion Ratio Lower Upper  
43 100  
70 53.4 41.8 62.8  
55 27.8 24.2 36.4  
61 28.6 21.7 32.5





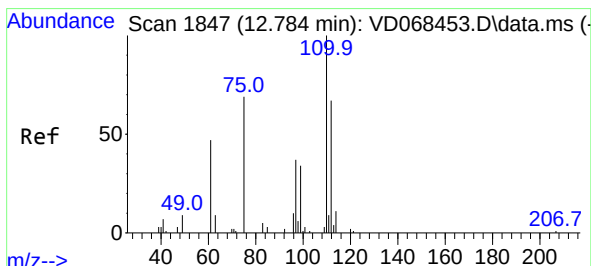
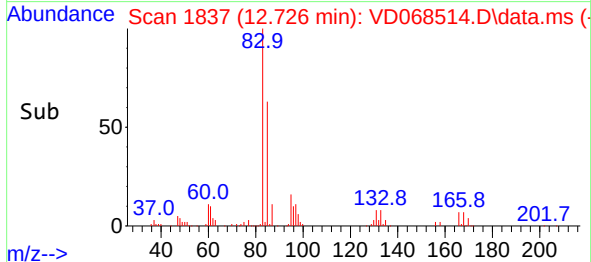
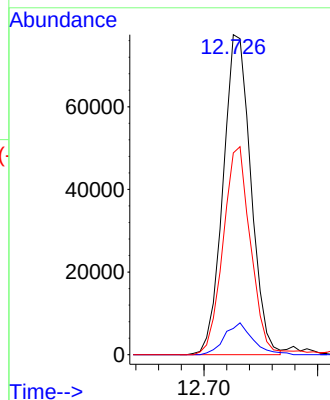
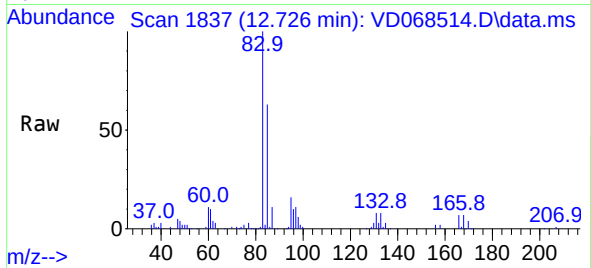
#75  
1,1,2,2-Tetrachloroethane  
Concen: 44.39 ug/l  
RT: 12.726 min Scan# 1837  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 83 Resp: 131233  
Ion Ratio Lower Upper  
83 100  
131 10.1 5.8 17.4  
85 65.1 32.4 97.2

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

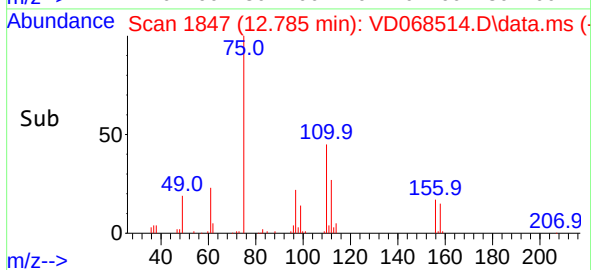
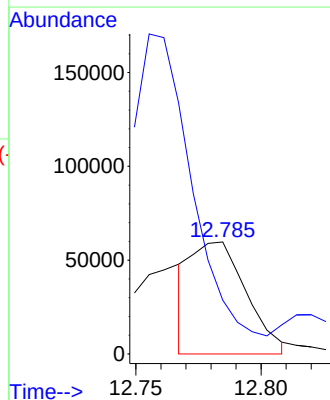
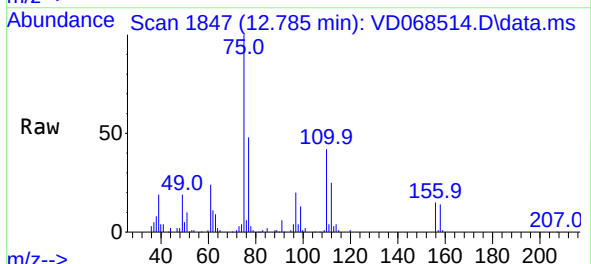
Manual Integrations  
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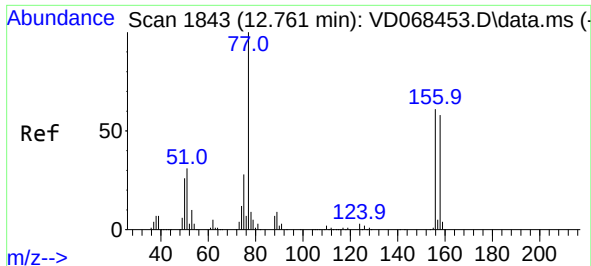
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3/4/2021 2:04:20 PM



#76  
1,2,3-Trichloropropane  
Concen: 44.65 ug/l m  
RT: 12.785 min Scan# 1847  
Delta R.T. 0.001 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 75 Resp: 91854  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77  
Bromobenzene  
Concen: 46.30 ug/l  
RT: 12.761 min Scan# 1843  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

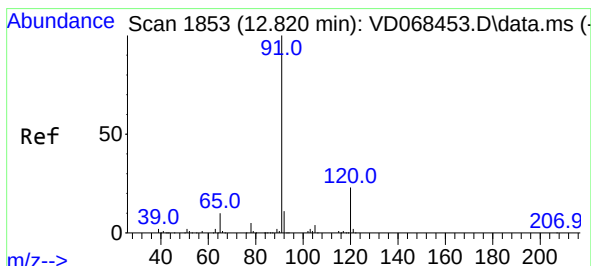
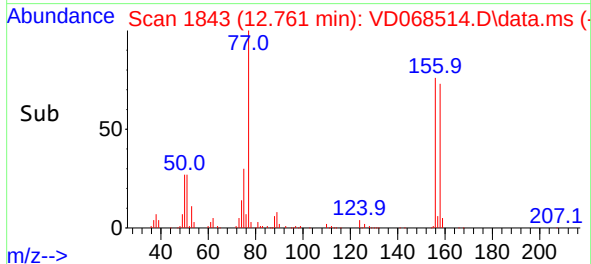
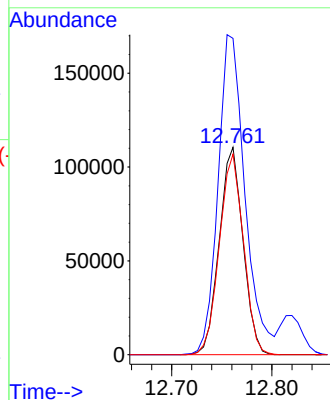
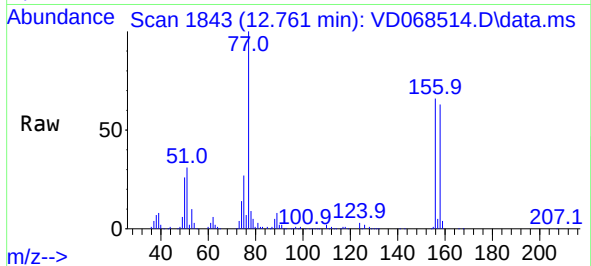
Tgt Ion: 156 Resp: 181601  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 156 | 100   |       |       |
| 77  | 175.4 | 82.8  | 248.3 |
| 158 | 98.0  | 48.0  | 144.0 |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
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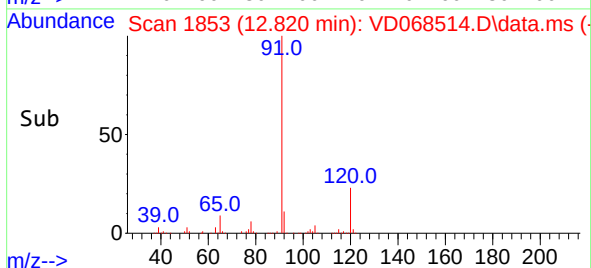
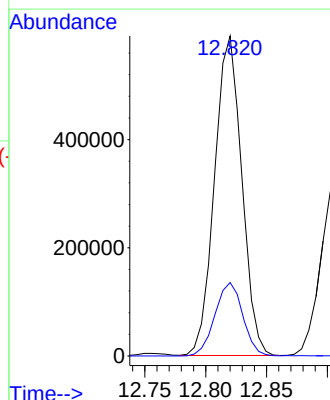
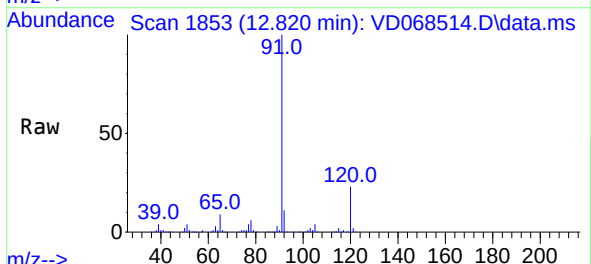
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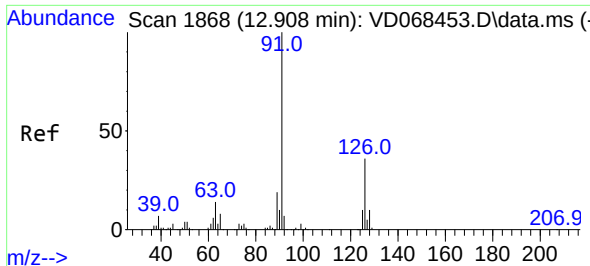


#78  
n-propylbenzene  
Concen: 44.78 ug/l  
RT: 12.820 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 91 Resp: 919568  

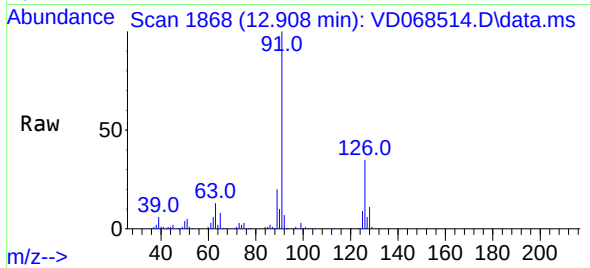
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 120 | 23.4  | 12.0  | 36.0  |





#79  
2-Chlorotoluene  
Concen: 45.82 ug/l  
RT: 12.908 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

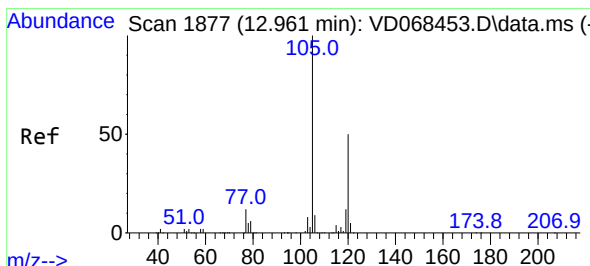
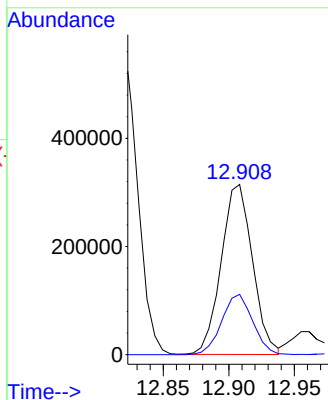
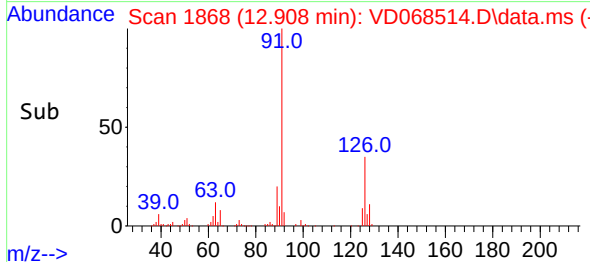
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



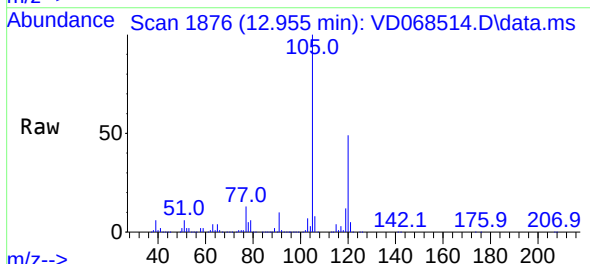
Tgt Ion: 91 Resp: 522209  
Ion Ratio Lower Upper  
91 100  
126 35.2 17.8 53.5

Manual Integrations  
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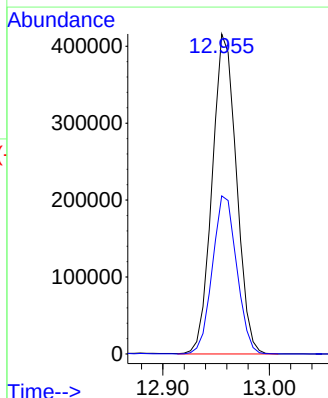
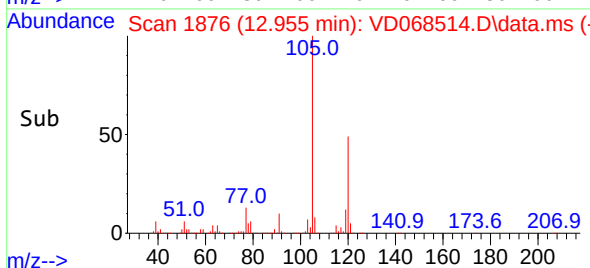
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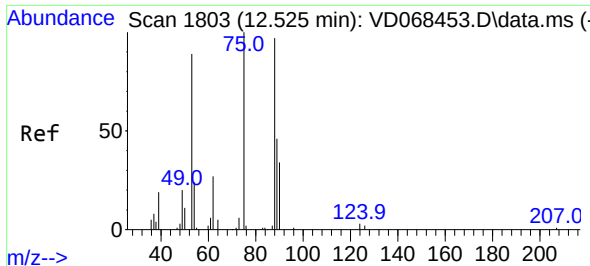


#80  
1,3,5-Trimethylbenzene  
Concen: 46.60 ug/l  
RT: 12.955 min Scan# 1876  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



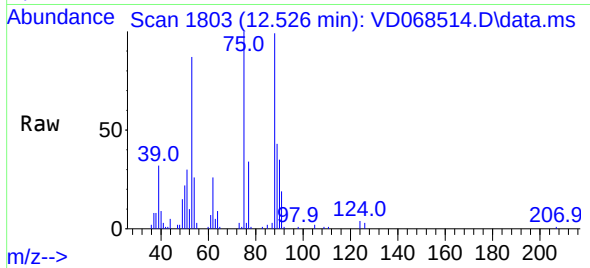
Tgt Ion: 105 Resp: 656389  
Ion Ratio Lower Upper  
105 100  
120 49.6 24.2 72.6





#81  
trans-1,4-Dichloro-2-butene  
Concen: 44.98 ug/l  
RT: 12.526 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

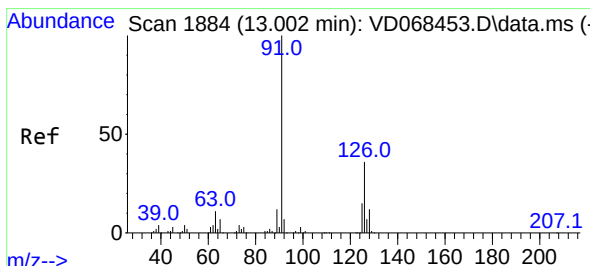
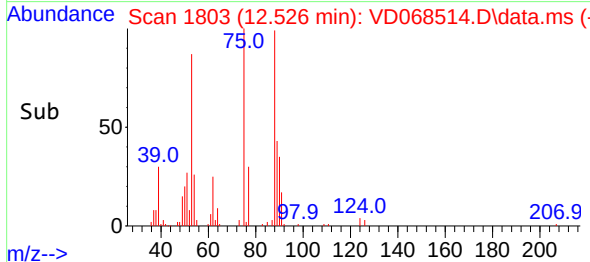
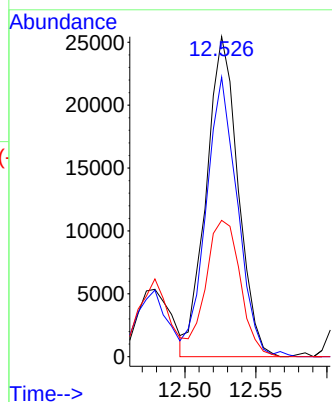
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



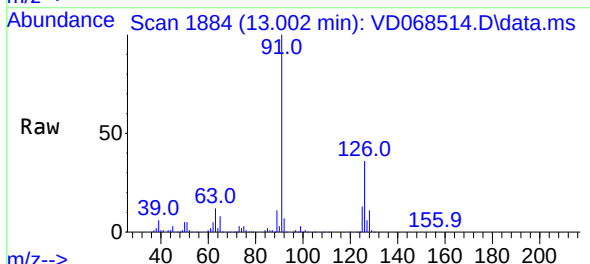
Tgt Ion: 75 Resp: 39651  
Ion Ratio Lower Upper  
75 100  
53 86.0 70.2 105.2  
89 45.6 40.3 60.5

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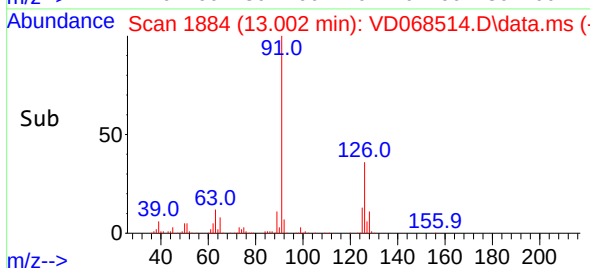
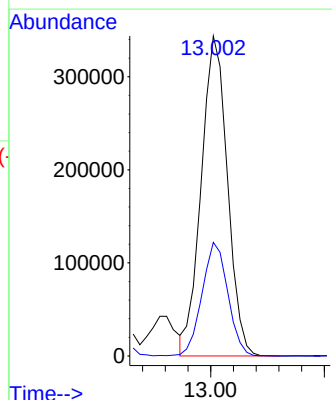
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3/4/2021 2:04:20 PM

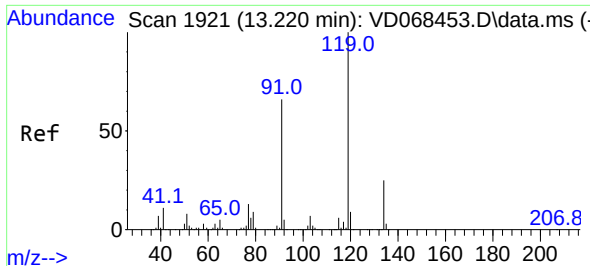


#82  
4-Chlorotoluene  
Concen: 45.93 ug/l  
RT: 13.002 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



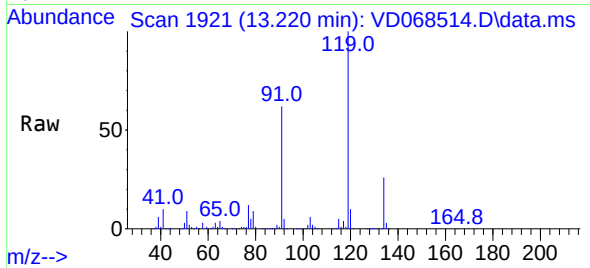
Tgt Ion: 91 Resp: 550762  
Ion Ratio Lower Upper  
91 100  
126 35.0 17.7 53.1





#83  
tert-Butylbenzene  
Concen: 45.17 ug/l  
RT: 13.220 min Scan# 1921  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

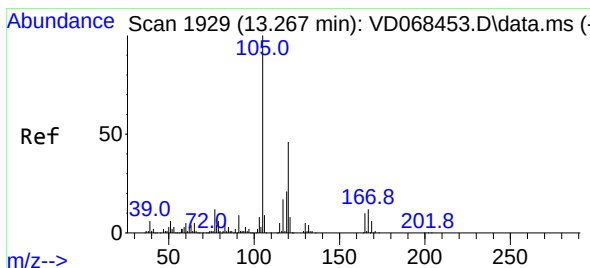
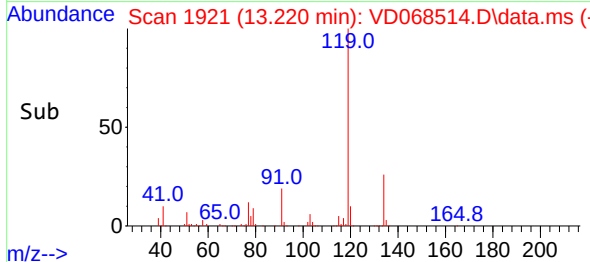
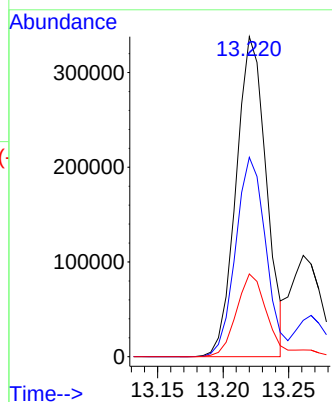
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



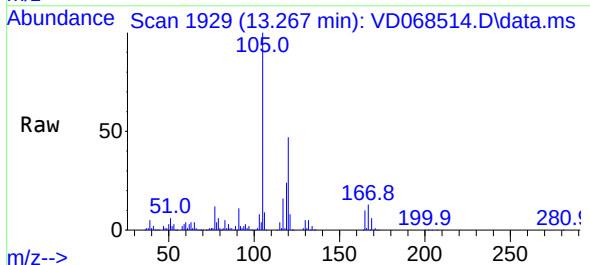
Tgt Ion:119 Resp: 541674  
Ion Ratio Lower Upper  
119 100  
91 62.8 31.1 93.5  
134 27.5 13.3 39.8

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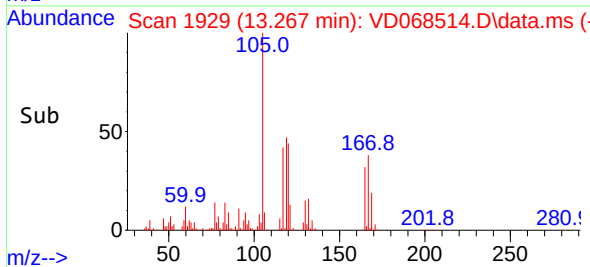
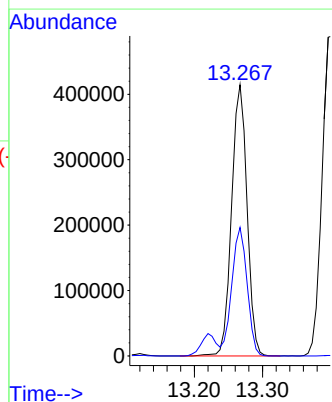
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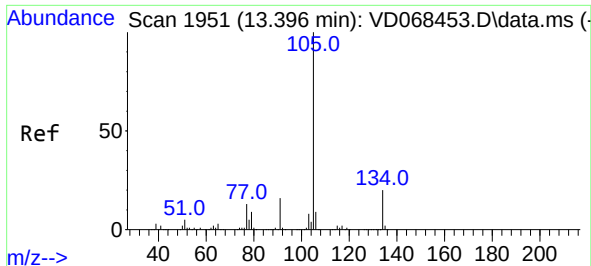


#84  
1,2,4-Trimethylbenzene  
Concen: 46.32 ug/l  
RT: 13.267 min Scan# 1929  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



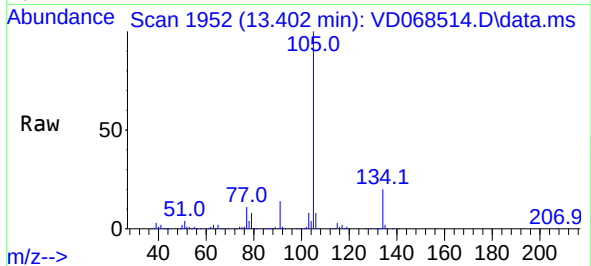
Tgt Ion:105 Resp: 653489  
Ion Ratio Lower Upper  
105 100  
120 47.0 22.4 67.0





#85  
sec-Butylbenzene  
Concen: 46.23 ug/l  
RT: 13.402 min Scan# 1952  
Delta R.T. 0.006 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

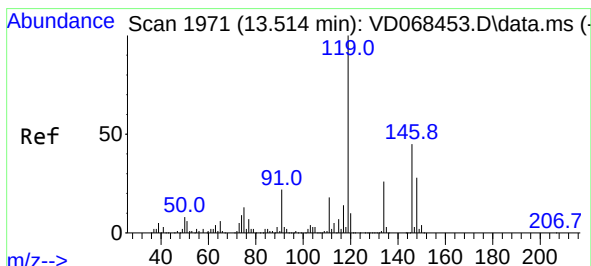
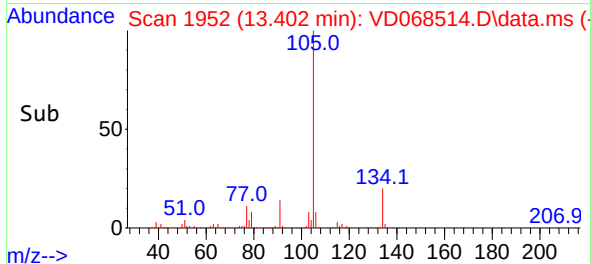
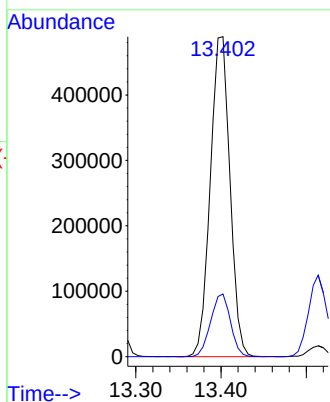
Instrument :  
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ClientSampleId :  
VSTDCCC050EC



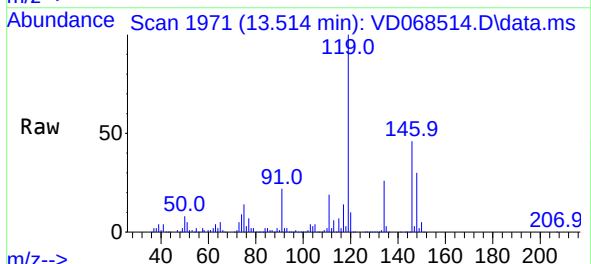
Tgt Ion:105 Resp: 783214  
Ion Ratio Lower Upper  
105 100  
134 19.7 10.3 30.9

Manual Integrations  
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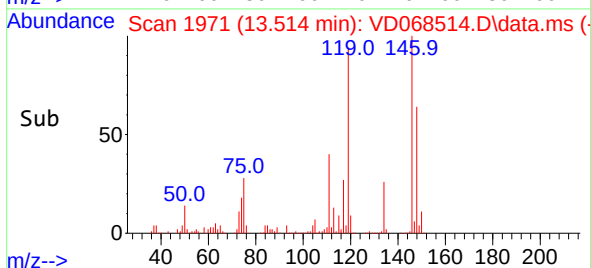
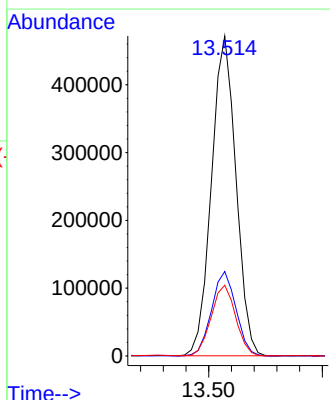
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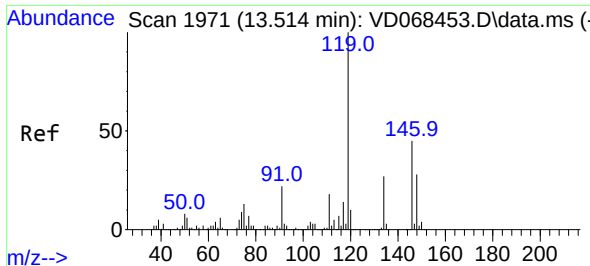


#86  
p-Isopropyltoluene  
Concen: 45.93 ug/l  
RT: 13.514 min Scan# 1971  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



Tgt Ion:119 Resp: 706262  
Ion Ratio Lower Upper  
119 100  
134 26.3 12.9 38.7  
91 22.0 11.7 35.0





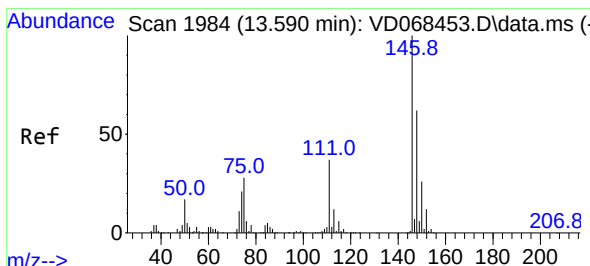
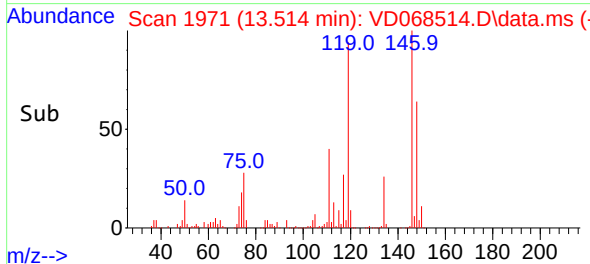
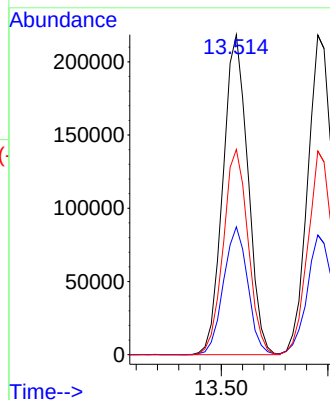
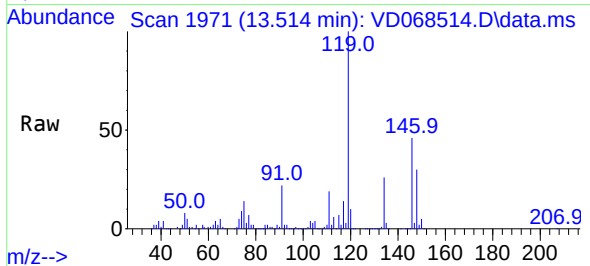
#87  
1,3-Dichlorobenzene  
Concen: 46.86 ug/l  
RT: 13.514 min Scan# 1971  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.9  | 19.5  | 58.5  |
| 148     | 63.8  | 31.6  | 95.0  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

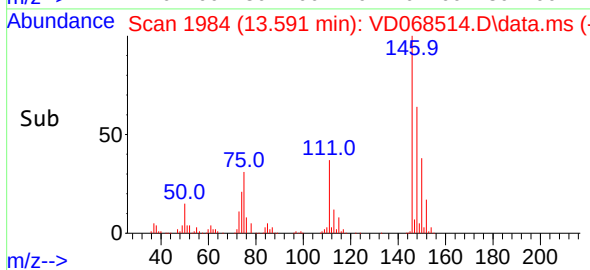
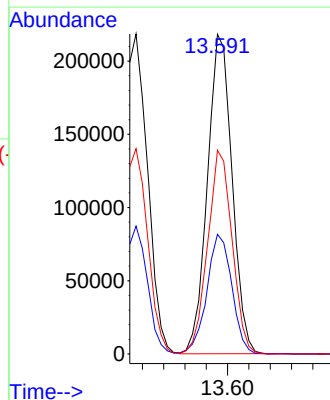
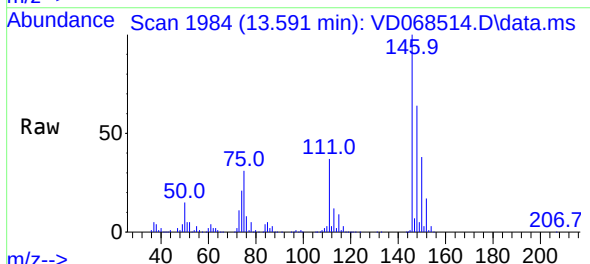
Manual Integrations  
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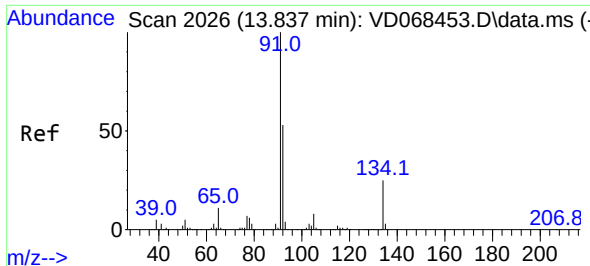


#88  
1,4-Dichlorobenzene  
Concen: 46.76 ug/l  
RT: 13.591 min Scan# 1984  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.1  | 19.1  | 57.1  |
| 148     | 63.4  | 31.9  | 95.7  |

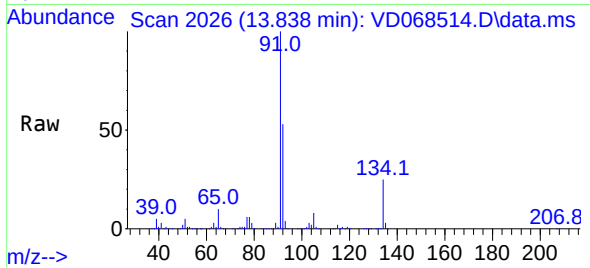






#89  
n-Butylbenzene  
Concen: 44.62 ug/l  
RT: 13.838 min Scan# 2026  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

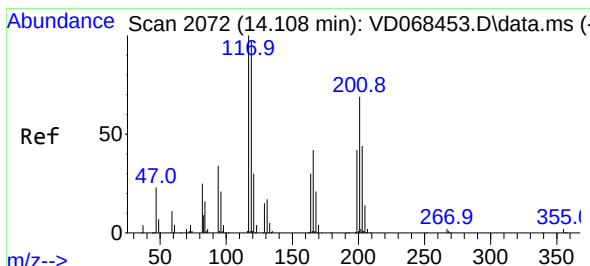
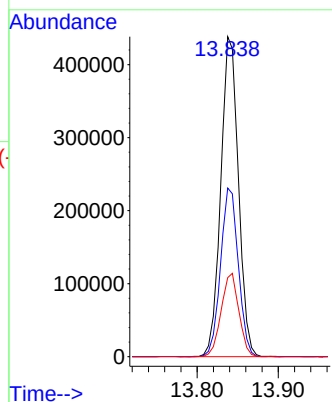
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC



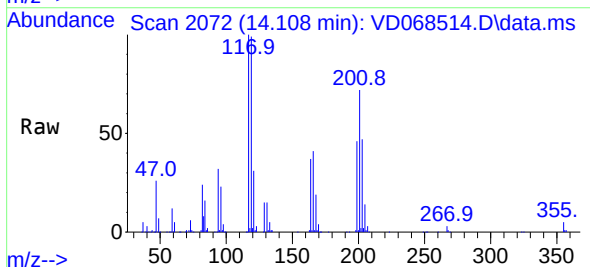
Tgt Ion: 91 Resp: 661858  
Ion Ratio Lower Upper  
91 100  
92 53.0 27.2 81.6  
134 26.1 13.9 41.7

Manual Integrations  
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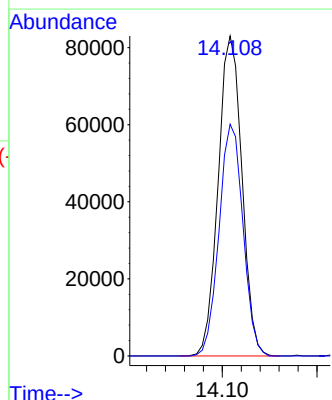
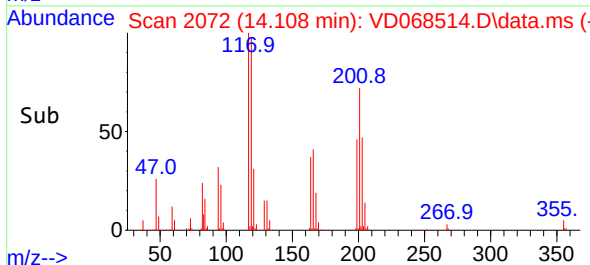
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3/4/2021 2:04:20 PM

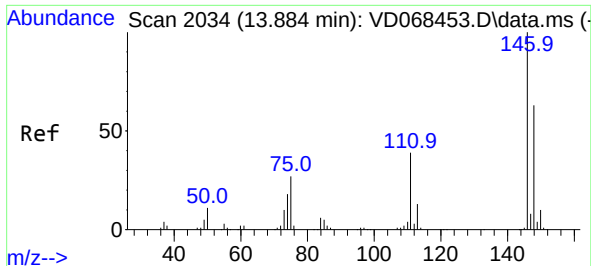


#90  
Hexachloroethane  
Concen: 47.38 ug/l  
RT: 14.108 min Scan# 2072  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56



Tgt Ion: 117 Resp: 144806  
Ion Ratio Lower Upper  
117 100  
201 73.0 39.5 118.5





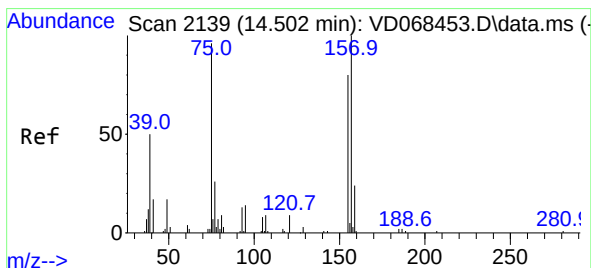
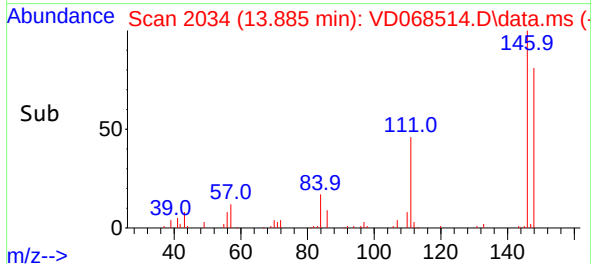
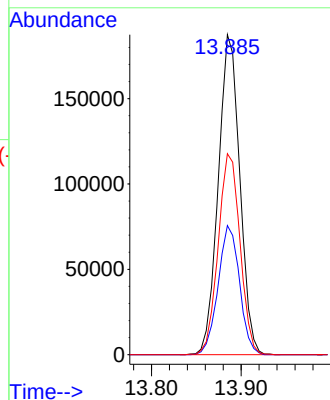
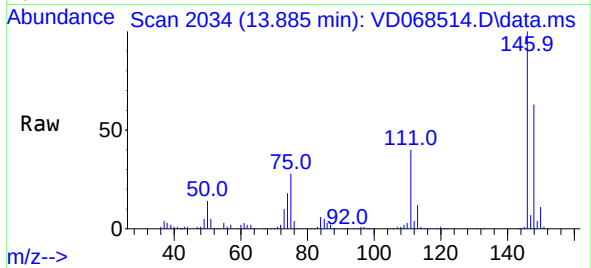
#91  
1,2-Dichlorobenzene  
Concen: 48.04 ug/l  
RT: 13.885 min Scan# 2034  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion:146 Resp: 312098  
Ion Ratio Lower Upper  
146 100  
111 40.2 20.3 60.9  
148 63.7 31.7 95.1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

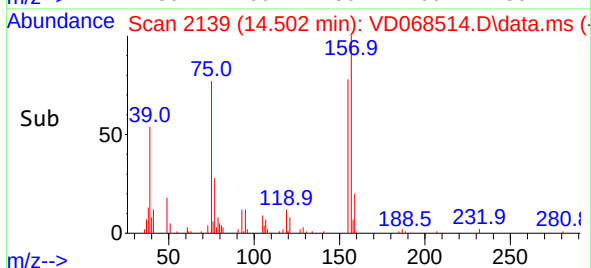
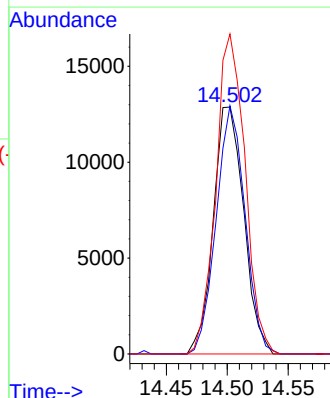
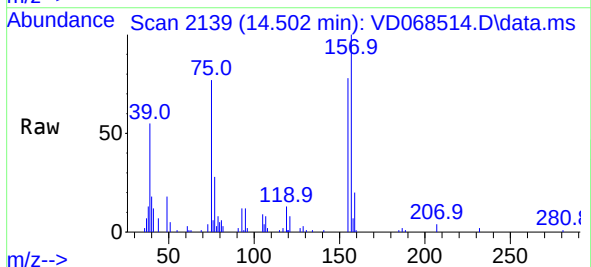
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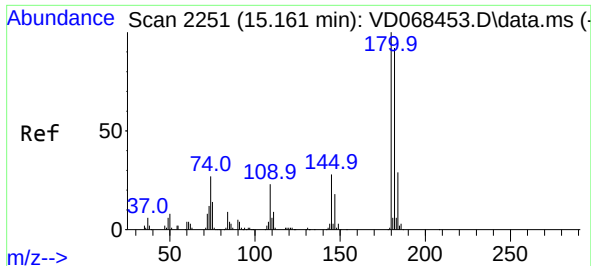
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3/4/2021 2:04:20 PM



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 43.00 ug/l  
RT: 14.502 min Scan# 2139  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion: 75 Resp: 22408  
Ion Ratio Lower Upper  
75 100  
155 95.2 48.0 144.2  
157 124.4 65.0 194.8





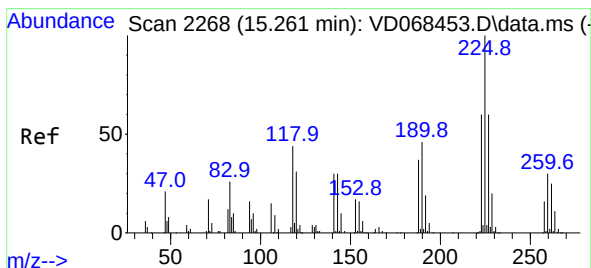
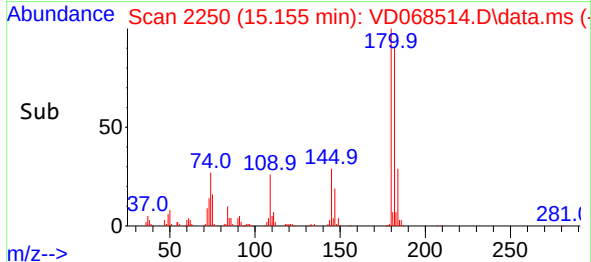
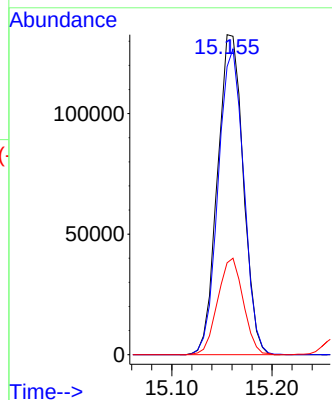
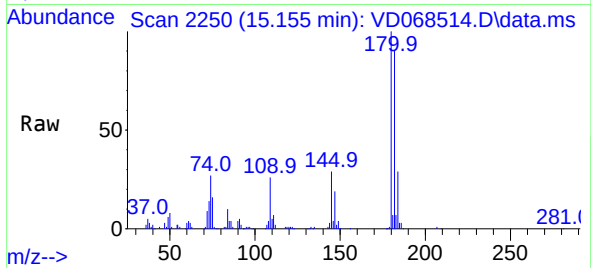
#93  
1,2,4-Trichlorobenzene  
Concen: 47.27 ug/l  
RT: 15.155 min Scan# 2250  
Delta R.T. -0.005 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion:180 Resp: 237208  
Ion Ratio Lower Upper  
180 100  
182 94.3 46.8 140.4  
145 29.8 15.2 45.5

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

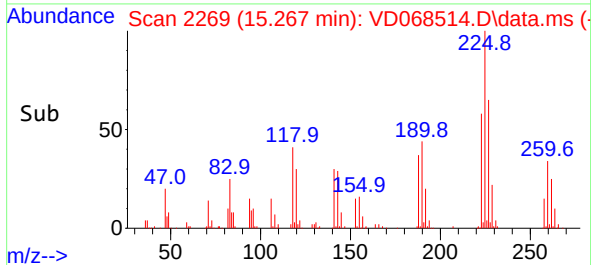
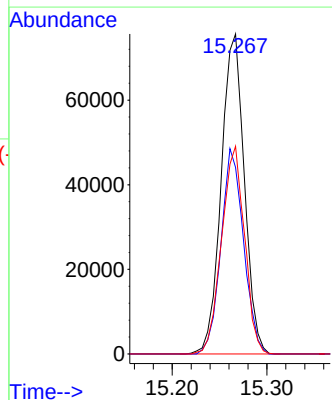
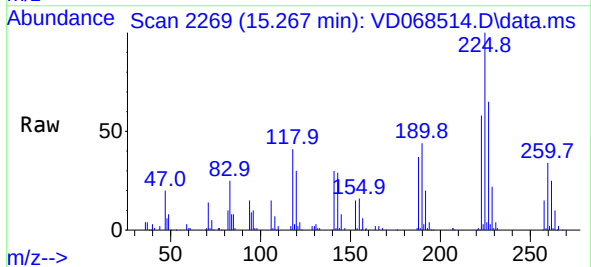
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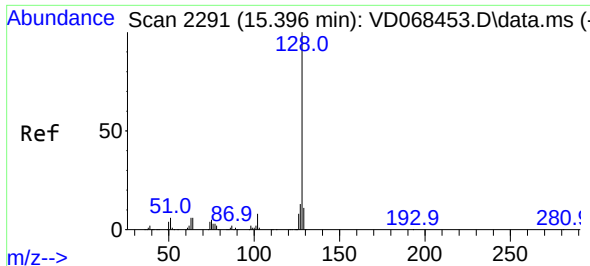
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#94  
Hexachlorobutadiene  
Concen: 45.99 ug/l  
RT: 15.267 min Scan# 2269  
Delta R.T. 0.006 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion:225 Resp: 128086  
Ion Ratio Lower Upper  
225 100  
223 62.8 31.9 95.5  
227 64.5 32.1 96.5





#95  
Naphthalene  
Concen: 46.16 ug/l  
RT: 15.396 min Scan# 2291  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

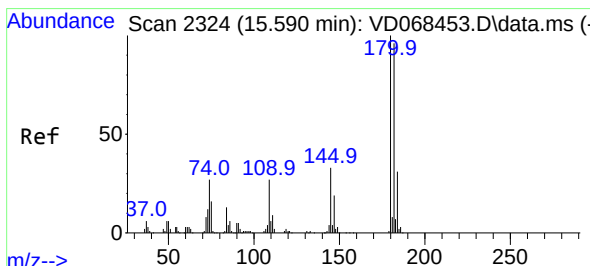
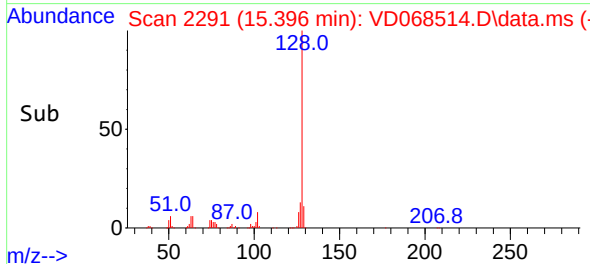
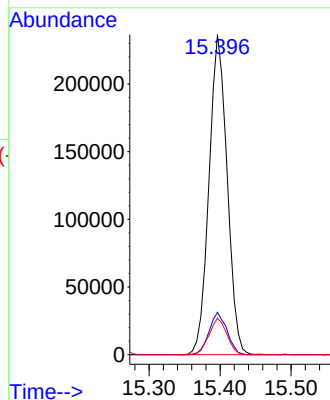
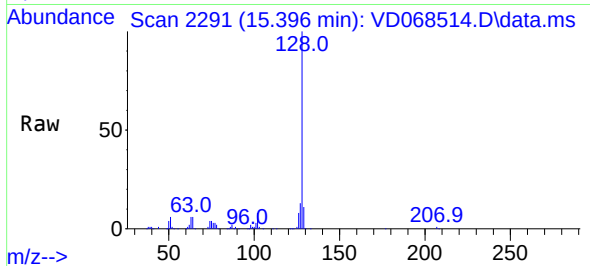
Tgt Ion:128 Resp: 419464  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.1  | 10.2  | 15.2  |
| 129 | 11.2  | 8.8   | 13.2  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
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3/4/2021 2:04:20 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 46.16 ug/l  
RT: 15.590 min Scan# 2324  
Delta R.T. 0.000 min  
Lab File: VD068514.D  
Acq: 03 Mar 2021 15:56

Tgt Ion:180 Resp: 200536  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 96.3  | 48.3  | 144.8 |
| 145 | 32.5  | 16.7  | 50.1  |

