

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020321\  
 Data File : VD068259.D  
 Acq On : 03 Feb 2021 13:39  
 Operator : VA/SY  
 Sample : M1292-03MSD  
 Misc : 7.14G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OU421-005-0510MSD

Manual Integrations  
 APPROVED

MMDadoda  
 2/4/2021 10:35:27 AM

Quant Time: Feb 03 23:41:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 19 13:19:08 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response           | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|--------------------|---------|--------|----------|
| -----                        |                |      |                    |         |        |          |
| Internal Standards           |                |      |                    |         |        |          |
| 1) Pentafluorobenzene        | 7.985          | 168  | 27437              | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.867          | 114  | 52026              | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.649         | 117  | 51618              | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.573         | 152  | 22112              | 50.00   | ug/l   | 0.00     |
|                              |                |      |                    |         |        |          |
| System Monitoring Compounds  |                |      |                    |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.338          | 65   | 20811              | 79.29   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 158.58% |         |        |          |
| 35) Dibromofluoromethane     | 7.920          | 113  | 14929              | 51.90   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 103.80% |         |        |          |
| 50) Toluene-d8               | 10.344         | 98   | 49528              | 43.05   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 86.10%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.632         | 95   | 21343              | 51.51   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 103.02% |         |        |          |
|                              |                |      |                    |         |        |          |
| Target Compounds             |                |      |                    |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.985          | 85   | 12130              | 37.22   | ug/l   | 96       |
| 3) Chloromethane             | 2.209          | 50   | 16212              | 46.19   | ug/l   | 91       |
| 4) Vinyl Chloride            | 2.350          | 62   | 16921              | 43.34   | ug/l   | 92       |
| 5) Bromomethane              | 2.779          | 94   | 17382              | 64.92   | ug/l   | 95       |
| 6) Chloroethane              | 2.926          | 64   | 12468              | 52.28   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.279          | 101  | 21162              | 41.30   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.715          | 74   | 12685              | 84.08   | ug/l   | 89       |
| 9) 1,1,2-Trichlorotrifluo... | 4.097          | 101  | 12570              | 42.06   | ug/l   | 95       |
| 10) Methyl Iodide            | 4.303          | 142  | 13331              | 40.41   | ug/l   | 95       |
| 11) Tert butyl alcohol       | 5.220          | 59   | 22866              | 1223.08 | ug/l # | 88       |
| 12) 1,1-Dichloroethene       | 4.073          | 96   | 12855              | 42.77   | ug/l   | 84       |
| 13) Acrolein                 | 3.926          | 56   | 19675              | 951.25  | ug/l   | 100      |
| 14) Allyl chloride           | 4.726          | 41   | 21608              | 49.42   | ug/l   | 93       |
| 15) Acrylonitrile            | 5.420          | 53   | 68781              | 1150.84 | ug/l   | 99       |
| 16) Acetone                  | 4.162          | 43   | 59021              | 1259.40 | ug/l   | 93       |
| 17) Carbon Disulfide         | 4.415          | 76   | 39484              | 40.78   | ug/l # | 93       |
| 18) Methyl Acetate           | 4.720          | 43   | 31192              | 256.44  | ug/l # | 85       |
| 19) Methyl tert-butyl Ether  | 5.479          | 73   | 69878              | 100.55  | ug/l # | 89       |
| 20) Methylene Chloride       | 4.967          | 84   | 21833              | 68.21   | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 5.479          | 96   | 16718              | 48.45   | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.367          | 45   | 62545              | 70.89   | ug/l # | 92       |
| 23) Vinyl Acetate            | 6.309          | 43   | 249013             | 529.48  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.273          | 63   | 30385              | 53.15   | ug/l   | 95       |
| 25) 2-Butanone               | 7.214          | 43   | 84992              | 1204.46 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.214          | 77   | 24388              | 45.09   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.214          | 96   | 21850              | 58.32   | ug/l   | 99       |
| 28) Bromochloromethane       | 7.544          | 49   | 14788              | 75.93   | ug/l # | 76       |
| 29) Tetrahydrofuran          | 7.561          | 42   | 54017              | 1180.87 | ug/l   | 95       |
| 30) Chloroform               | 7.720          | 83   | 34113              | 59.05   | ug/l   | 91       |
| 31) Cyclohexane              | 7.991          | 56   | 20024              | 35.23   | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 7.908          | 97   | 23332              | 44.82   | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.114          | 75   | 20988              | 40.00   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.297          | 43   | 34909              | 188.10  | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 8.097          | 117  | 16997              | 34.61   | ug/l   | 92       |
| 39) Methylcyclohexane        | 9.355          | 83   | 17858              | 26.04   | ug/l # | 85       |
| 40) Benzene                  | 8.355          | 78   | 69899              | 47.65   | ug/l   | 94       |

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 ALS Vial : 8 Sample Multiplier: 1

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 MSVOA\_D  
 ClientSampleId :  
 OU421-005-0510MSD

Manual Integrations  
 APPROVED

MMDadoda  
 2/4/2021 10:35:27 AM

Quant Time: Feb 03 23:41:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 19 13:19:08 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.520  | 41   | 11838m   | 105.69  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.426  | 62   | 29874    | 76.22   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.455  | 43   | 50620    | 130.88  | ug/l # | 90       |
| 44) Trichloroethene           | 9.114  | 130  | 18624    | 46.23   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.391  | 63   | 20058    | 55.84   | ug/l   | 95       |
| 46) Dibromomethane            | 9.473  | 93   | 15995    | 87.87   | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.667  | 83   | 29407    | 59.88   | ug/l # | 96       |
| 48) Methyl methacrylate       | 9.461  | 41   | 25196    | 130.89  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.461  | 88   | 10712    | 5021.86 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 10.232 | 43   | 159567   | 887.56  | ug/l   | 96       |
| 52) Toluene                   | 10.408 | 92   | 43744    | 45.77   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.626 | 75   | 34572    | 69.54   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.097 | 75   | 34921    | 59.01   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.802 | 97   | 21879    | 84.82   | ug/l # | 88       |
| 56) Ethyl methacrylate        | 10.661 | 69   | 34943    | 101.69  | ug/l # | 92       |
| 57) 1,3-Dichloropropane       | 10.944 | 76   | 38515    | 84.62   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.944  | 63   | 98023    | 618.16  | ug/l   | 90       |
| 59) 2-Hexanone                | 10.985 | 43   | 114822   | 921.38  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.138 | 129  | 23433    | 72.45   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.249 | 107  | 24082    | 94.62   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.873 | 164  | 13094    | 35.99   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.673 | 112  | 51029    | 46.53   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.744 | 131  | 19548    | 50.67   | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.749 | 91   | 78218    | 38.52   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.855 | 106  | 57585    | 75.11   | ug/l   | 95       |
| 69) o-Xylene                  | 12.185 | 106  | 31889    | 44.79   | ug/l   | 91       |
| 70) Styrene                   | 12.196 | 104  | 53586    | 44.09   | ug/l   | 99       |
| 71) Bromoform                 | 12.367 | 173  | 17284    | 88.39   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.479 | 105  | 68434    | 37.19   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.291 | 43   | 39089    | 102.21  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.732 | 83   | 35420    | 121.03  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.785 | 75   | 29608m   | 138.49  | ug/l   |          |
| 77) Bromobenzene              | 12.761 | 156  | 20277    | 51.40   | ug/l   | 63       |
| 78) n-propylbenzene           | 12.820 | 91   | 75231    | 34.56   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.908 | 91   | 49400    | 40.42   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.961 | 105  | 56496    | 36.87   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.526 | 75   | 11706    | 110.79  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 13.008 | 91   | 51984    | 40.90   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.220 | 119  | 44123    | 33.98   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.273 | 105  | 58377    | 38.38   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.402 | 105  | 53530    | 29.47   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.520 | 119  | 50988    | 30.86   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.514 | 146  | 31789    | 41.91   | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.596 | 146  | 34144    | 45.69   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.843 | 91   | 40928    | 25.82   | ug/l   | 96       |
| 90) Hexachloroethane          | 14.114 | 117  | 8081     | 27.08   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.890 | 146  | 32858    | 50.58   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.502 | 75   | 7276     | 151.91  | ug/l   | 80       |
| 93) 1,2,4-Trichlorobenzene    | 15.161 | 180  | 16148    | 36.26   | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.267 | 225  | 3957     | 16.03   | ug/l   | 92       |
| 95) Naphthalene               | 15.402 | 128  | 72909    | 87.31   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.596 | 180  | 15500    | 41.26   | ug/l   | 97       |

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ALS Vial : 8 Sample Multiplier: 1

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MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

Manual Integrations  
APPROVED

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2/4/2021 10:35:27 AM

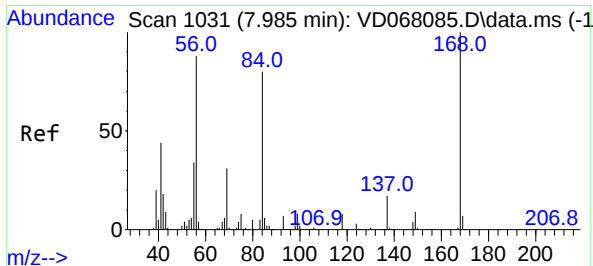
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011921S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 19 13:19:08 2021  
Response via : Initial Calibration

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

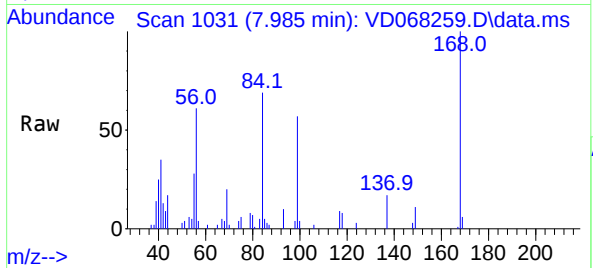
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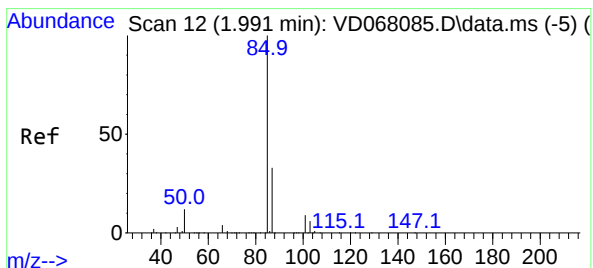
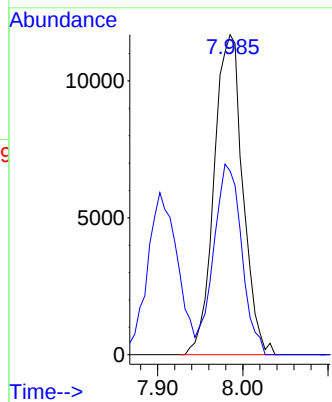
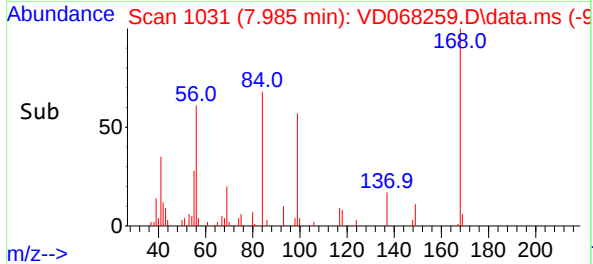




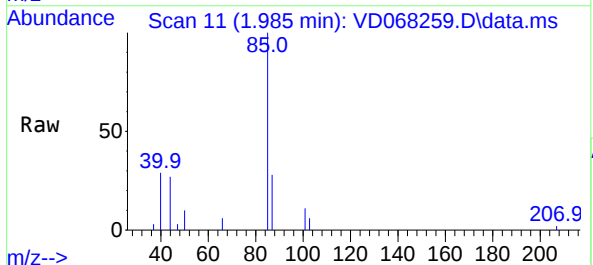
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



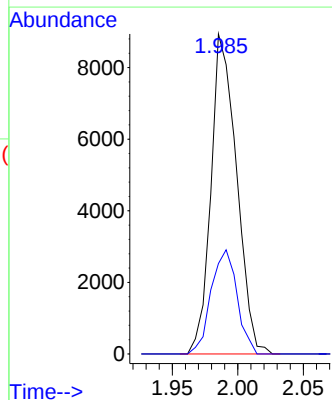
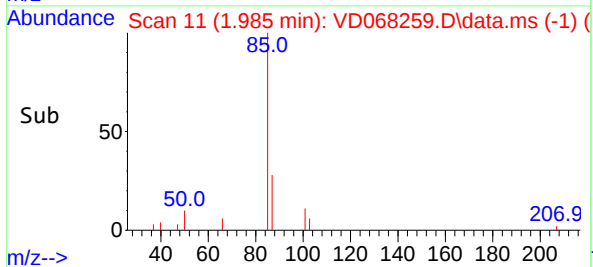
Tgt Ion: 168 Resp: 27437  
Ion Ratio Lower Upper  
168 100  
99 57.4 43.5 65.3



Dichlorodifluoromethane  
Concen: 37.22 ug/l  
RT: 1.985 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



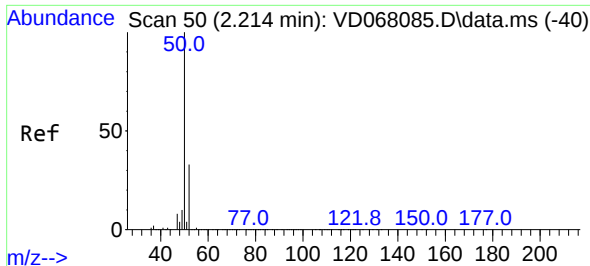
Tgt Ion: 85 Resp: 12130  
Ion Ratio Lower Upper  
85 100  
87 28.3 15.4 46.1



Instrument :  
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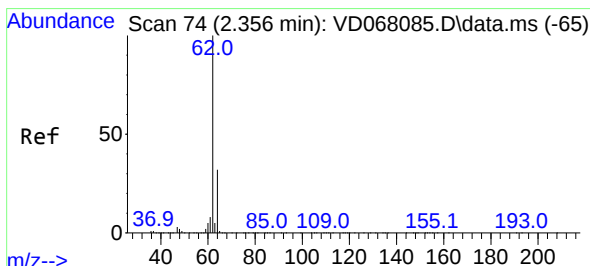
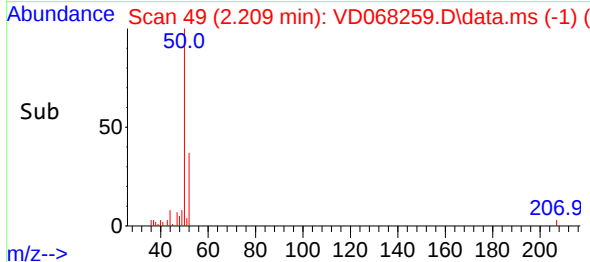
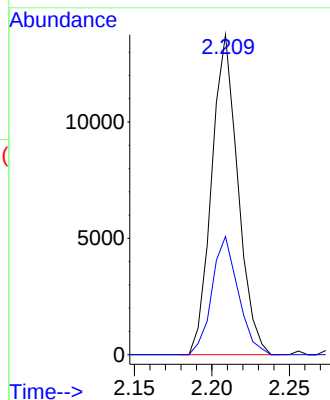
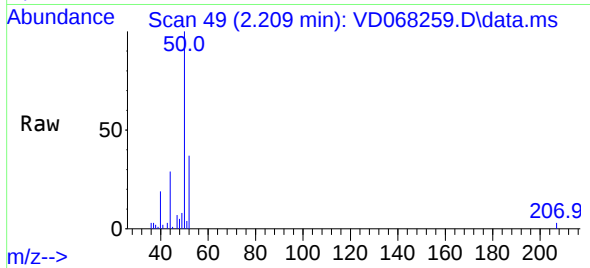
#3  
Chloromethane  
Concen: 46.19 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. -0.005 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 50 Resp: 16212  
Ion Ratio Lower Upper  
50 100  
52 37.0 25.4 38.2

Instrument :  
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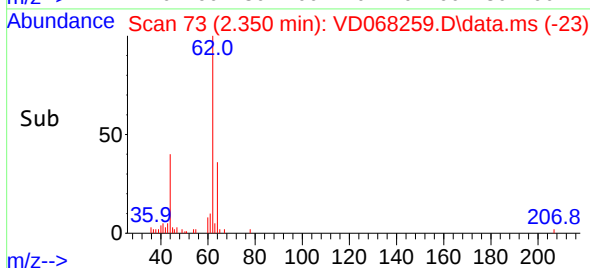
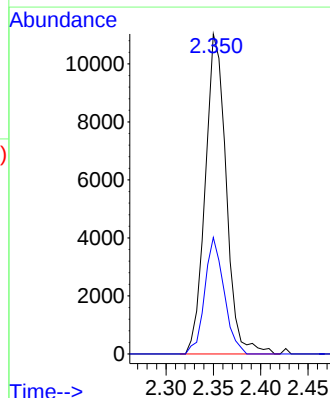
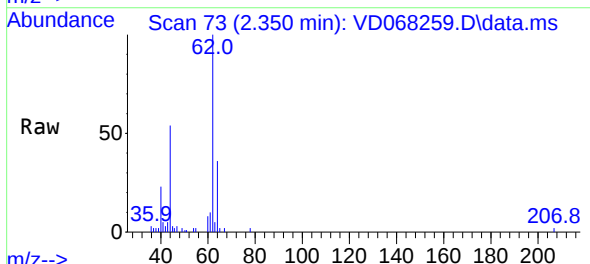
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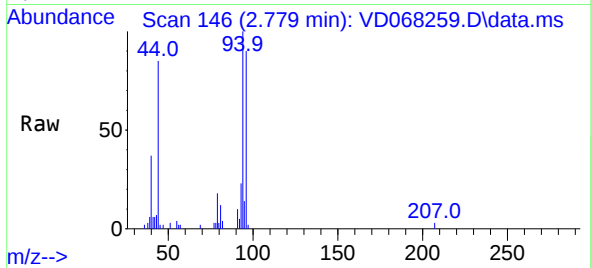
#4  
Vinyl Chloride  
Concen: 43.34 ug/l  
RT: 2.350 min Scan# 73  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 62 Resp: 16921  
Ion Ratio Lower Upper  
62 100  
64 36.4 25.4 38.2

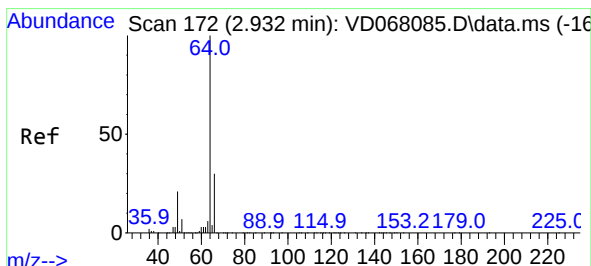
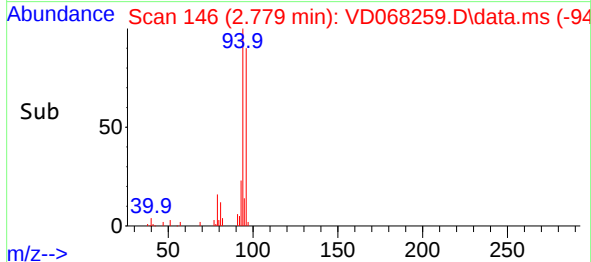
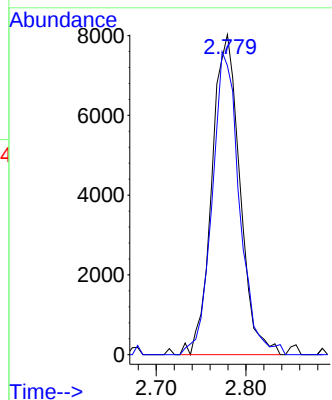




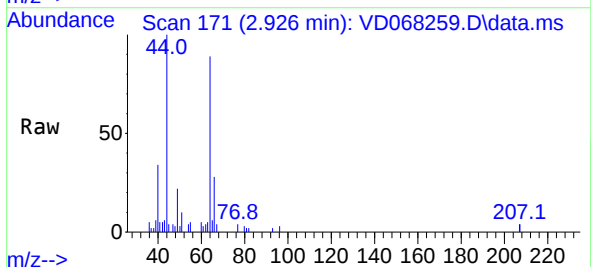
#5  
Bromomethane  
Concen: 64.92 ug/l  
RT: 2.779 min Scan# 146  
Delta R.T. 0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



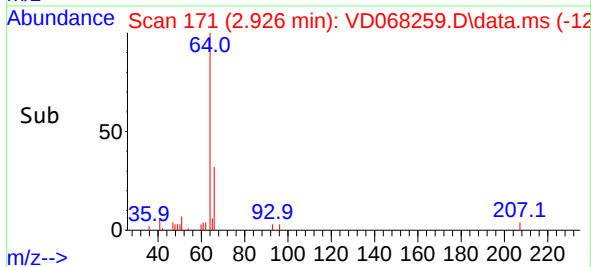
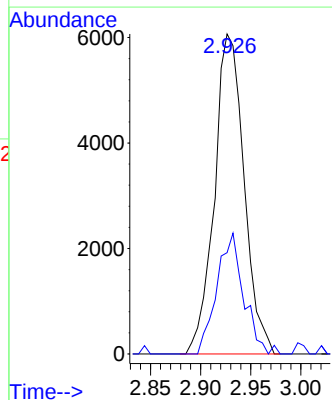
Tgt Ion: 94 Resp: 17382  
Ion Ratio Lower Upper  
94 100  
96 90.3 75.8 113.8



#6  
Chloroethane  
Concen: 52.28 ug/l  
RT: 2.926 min Scan# 171  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



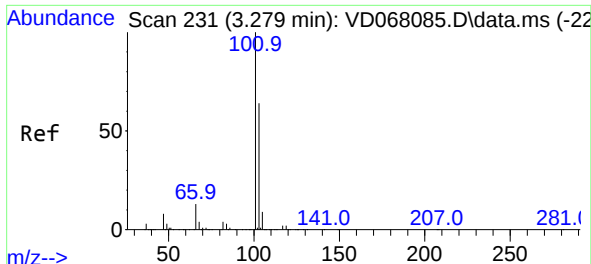
Tgt Ion: 64 Resp: 12468  
Ion Ratio Lower Upper  
64 100  
66 31.6 25.1 37.7



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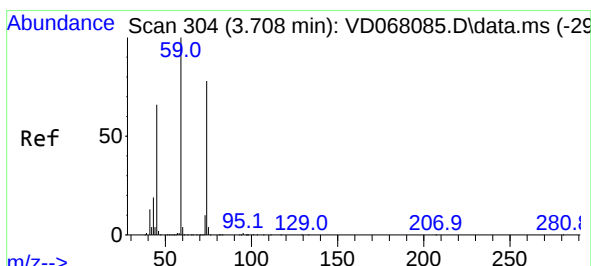
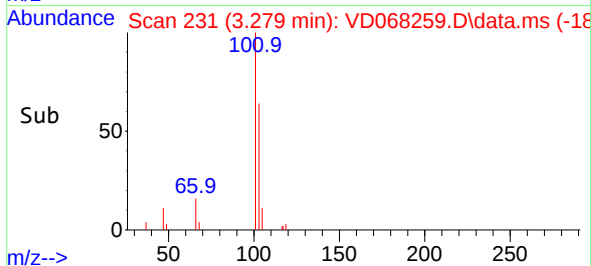
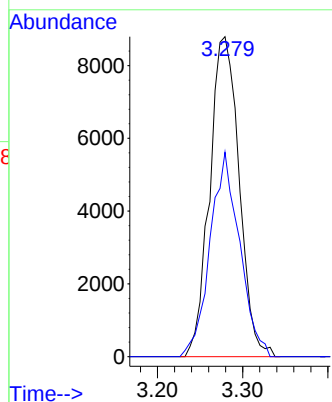
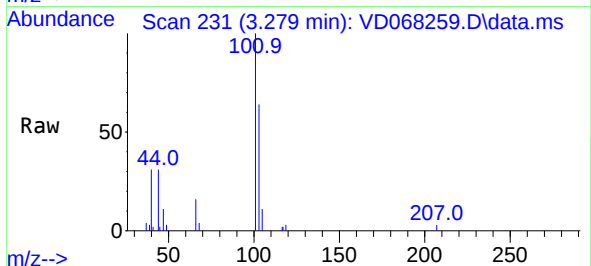
#7  
Trichlorofluoromethane  
Concen: 41.30 ug/l  
RT: 3.279 min Scan# 231  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 101 Resp: 21162  
Ion Ratio Lower Upper  
101 100  
103 63.9 52.0 78.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

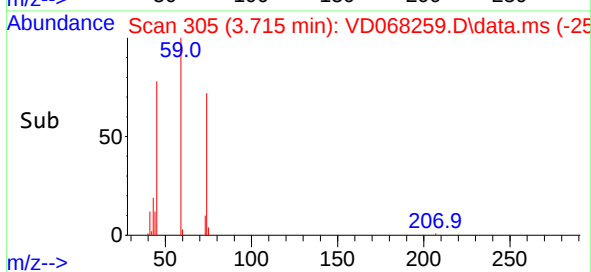
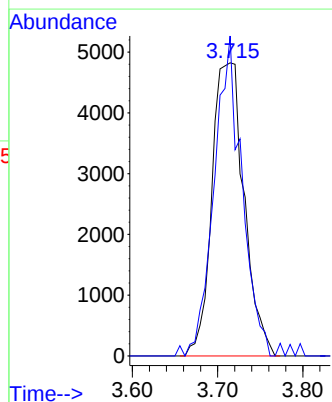
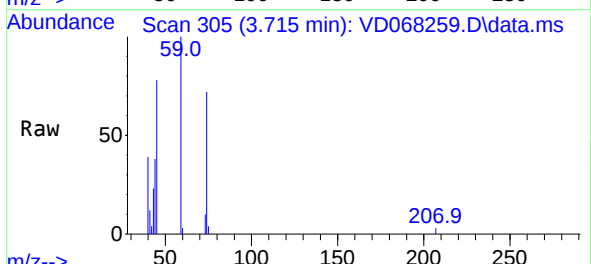
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#8  
Diethyl Ether  
Concen: 84.08 ug/l  
RT: 3.715 min Scan# 305  
Delta R.T. 0.007 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 74 Resp: 12685  
Ion Ratio Lower Upper  
74 100  
45 94.0 42.1 126.4





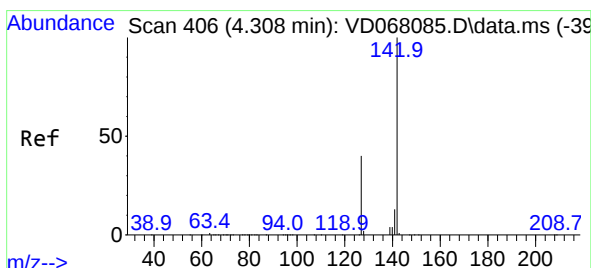
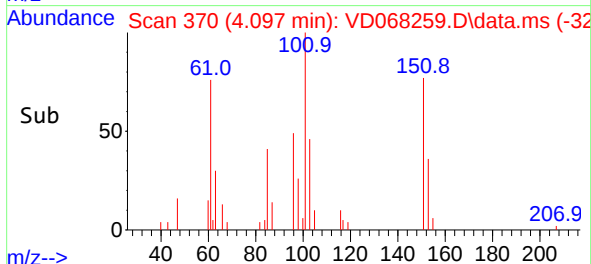
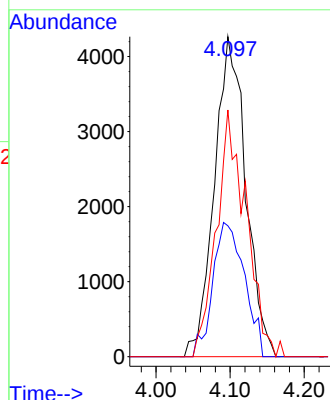
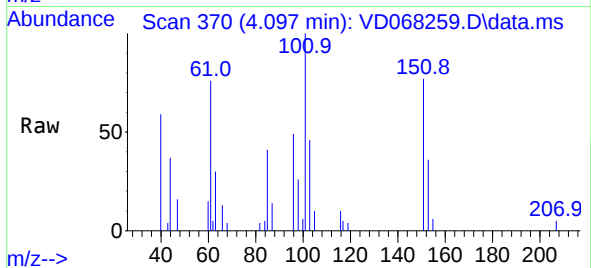
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 42.06 ug/l  
RT: 4.097 min Scan# 370  
Delta R.T. -0.005 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 12570 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 42.0  | 34.0  | 51.0  |
| 151      | 73.1  | 64.1  | 96.1  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

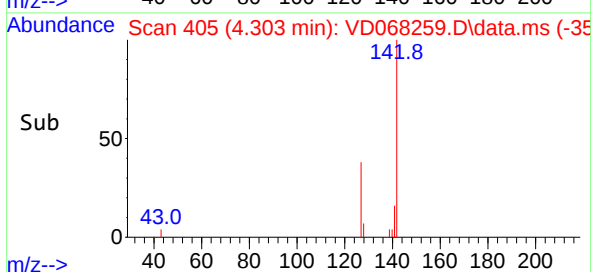
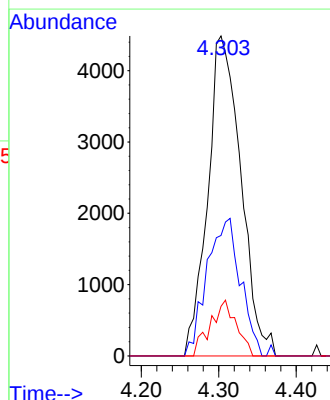
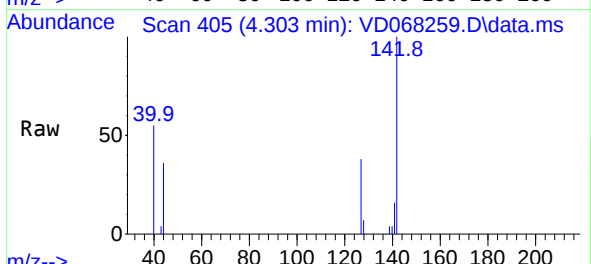
Manual Integrations  
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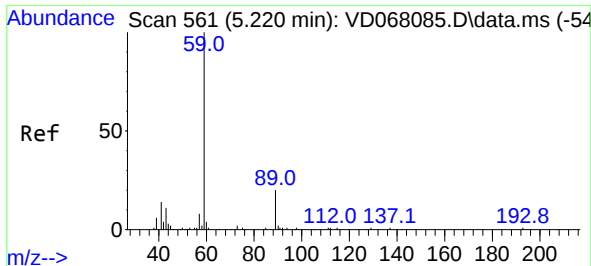
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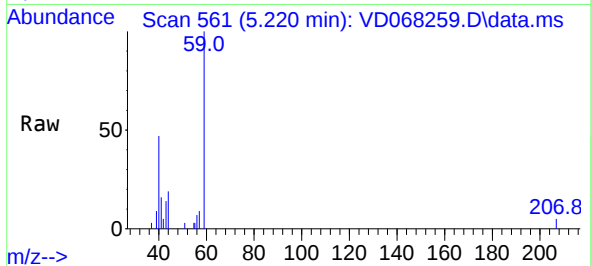
#10  
Methyl Iodide  
Concen: 40.41 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. -0.005 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 13331 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 43.4  | 37.9  | 56.9  |
| 141      | 13.7  | 11.5  | 17.3  |

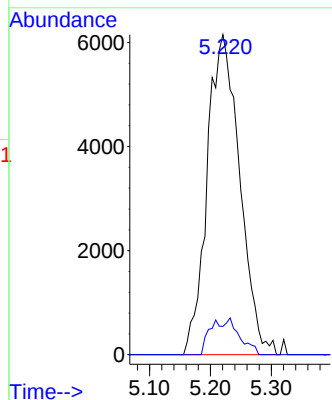




#11  
Tert butyl alcohol  
Concen: 1223.08 ug/l  
RT: 5.220 min Scan# 561  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



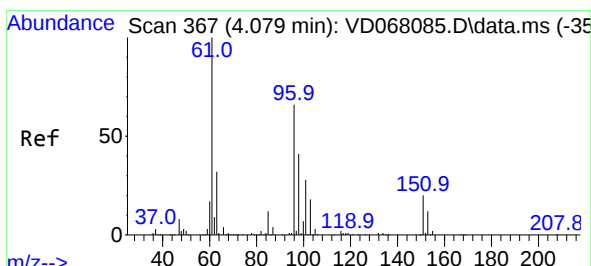
Tgt Ion: 59 Resp: 22866  
Ion Ratio Lower Upper  
59 100  
57 4.8 7.4 11.2#



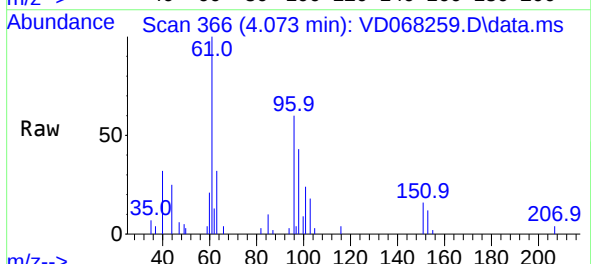
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

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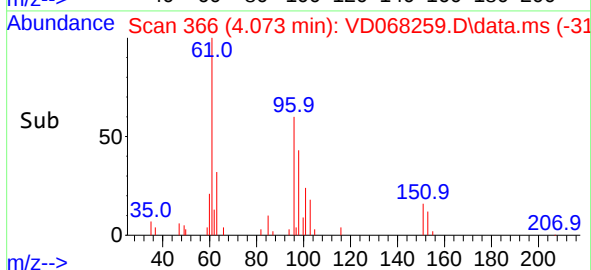
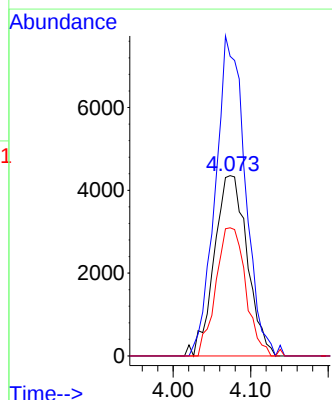
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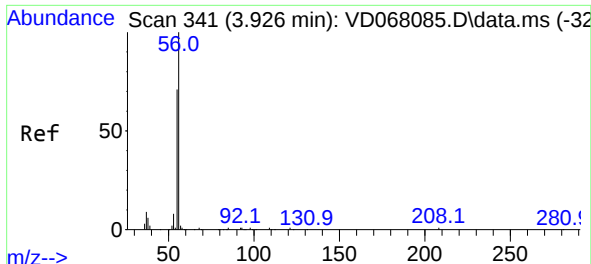


#12  
1,1-Dichloroethene  
Concen: 42.77 ug/l  
RT: 4.073 min Scan# 366  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



Tgt Ion: 96 Resp: 12855  
Ion Ratio Lower Upper  
96 100  
61 166.2 116.2 174.4  
98 71.1 48.6 73.0





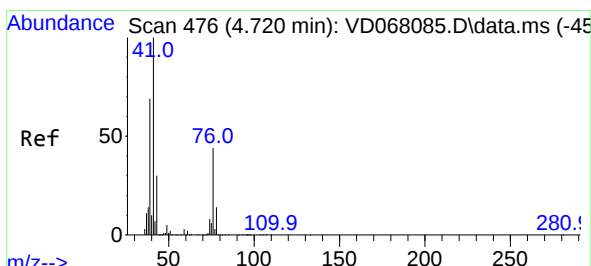
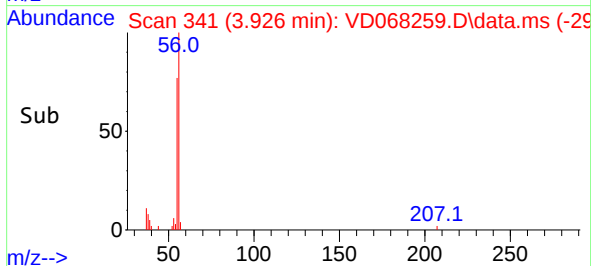
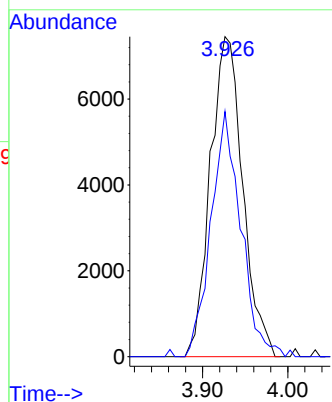
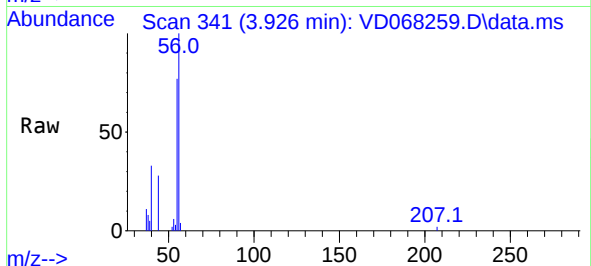
#13  
Acrolein  
Concen: 951.25 ug/l  
RT: 3.926 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 56 Resp: 19675  
Ion Ratio Lower Upper  
56 100  
55 70.9 56.5 84.7

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

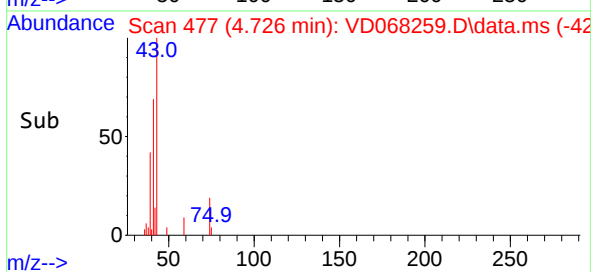
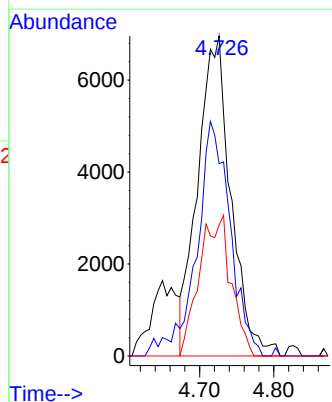
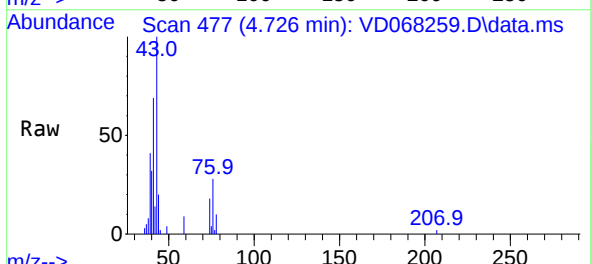
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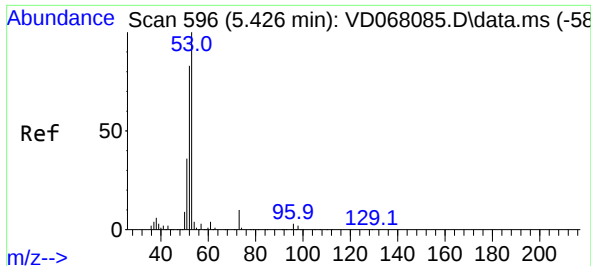
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#14  
Allyl chloride  
Concen: 49.42 ug/l  
RT: 4.726 min Scan# 477  
Delta R.T. 0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 41 Resp: 21608  
Ion Ratio Lower Upper  
41 100  
39 74.3 56.3 84.5  
76 42.0 38.9 58.3





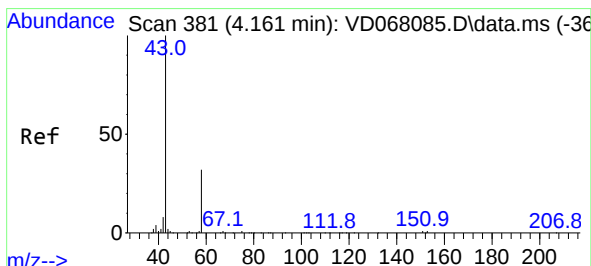
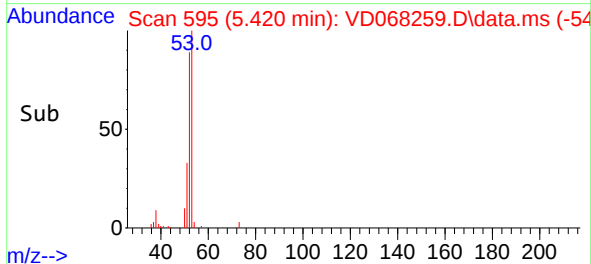
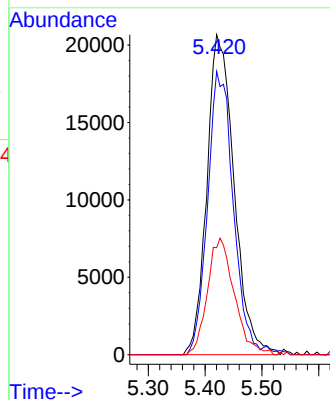
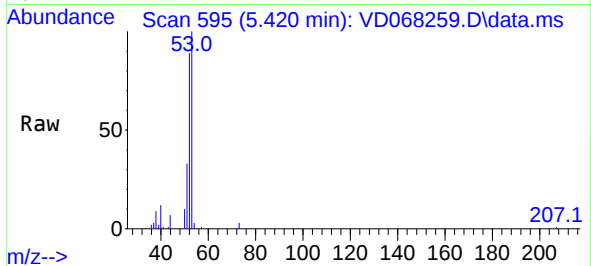
#15  
Acrylonitrile  
Concen: 1150.84 ug/l  
RT: 5.420 min Scan# 595  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 68781 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.8  | 66.2  | 99.2  |
| 51       | 35.9  | 29.0  | 43.4  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

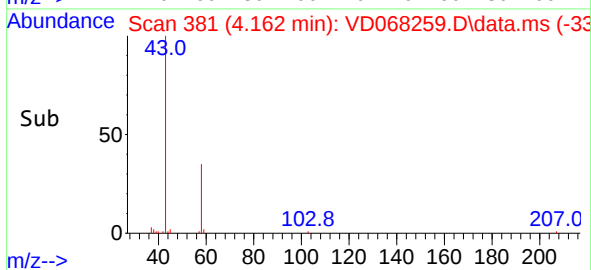
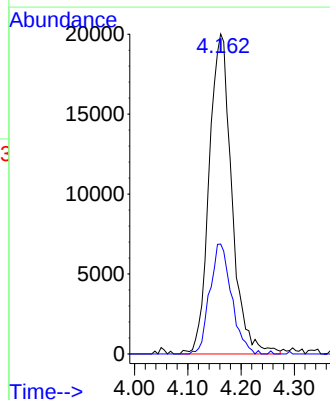
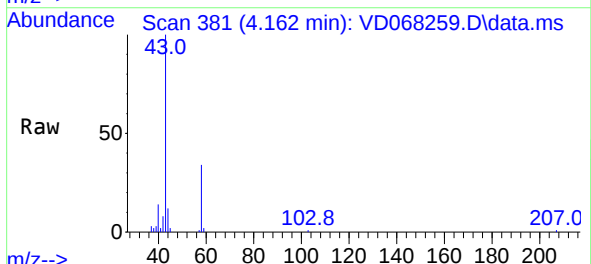
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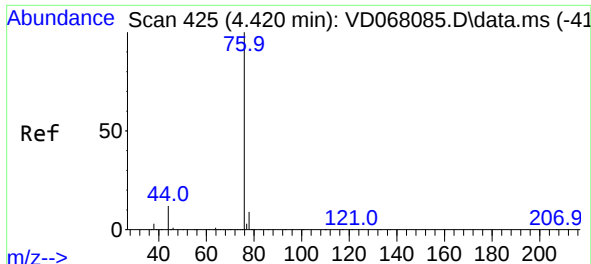
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#16  
Acetone  
Concen: 1259.40 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

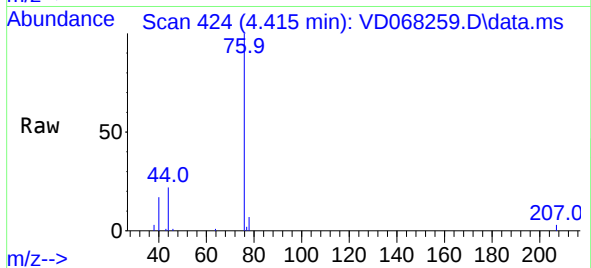
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 59021 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 34.3  | 24.2  | 36.4  |





#17  
Carbon Disulfide  
Concen: 40.78 ug/l  
RT: 4.415 min Scan# 424  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

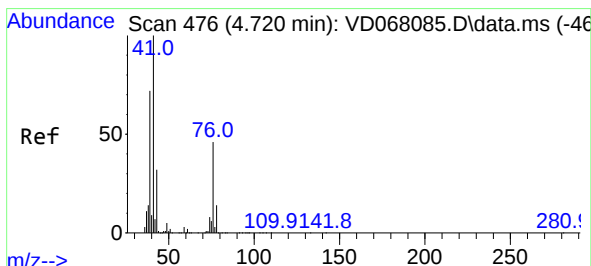
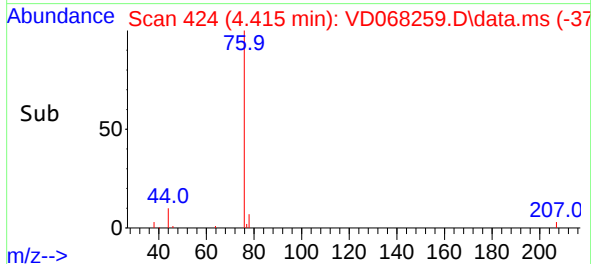
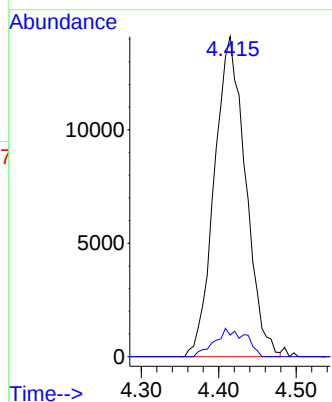
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD



Tgt Ion: 76 Resp: 39484  
Ion Ratio Lower Upper  
76 100  
78 6.7 7.3 10.9#

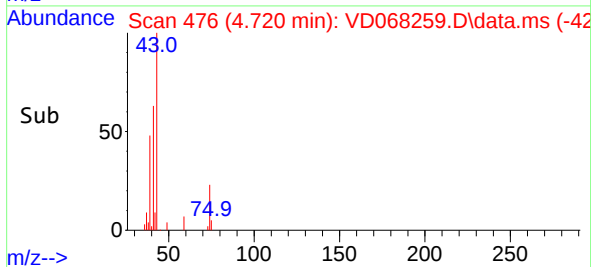
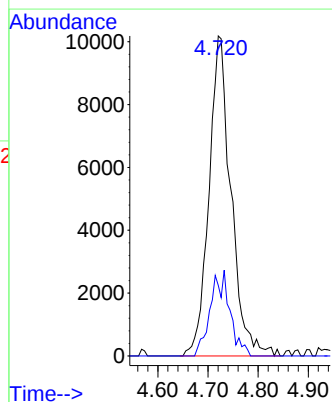
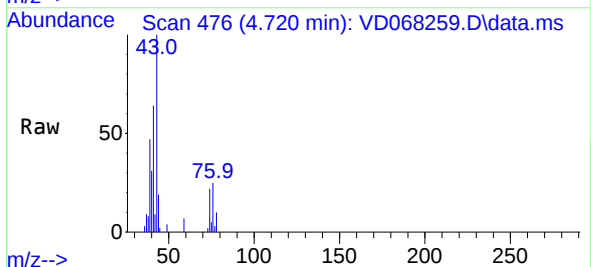
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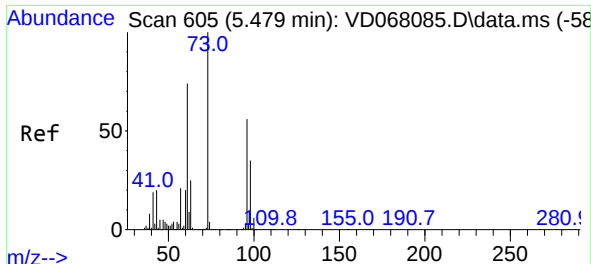
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#18  
Methyl Acetate  
Concen: 256.44 ug/l  
RT: 4.720 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 43 Resp: 31192  
Ion Ratio Lower Upper  
43 100  
74 23.5 25.4 38.0#





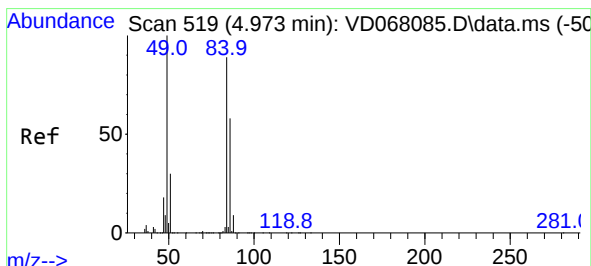
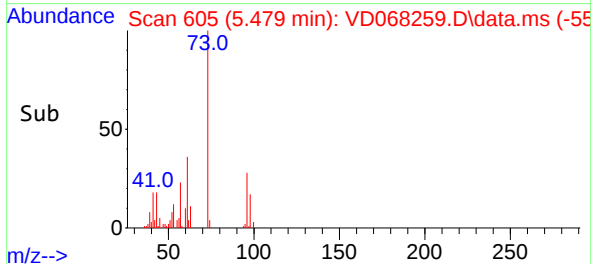
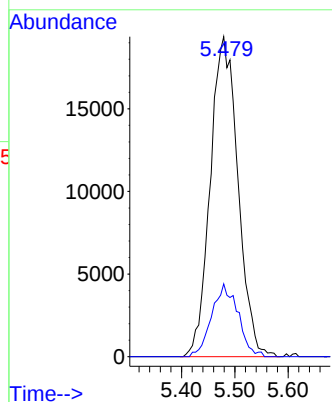
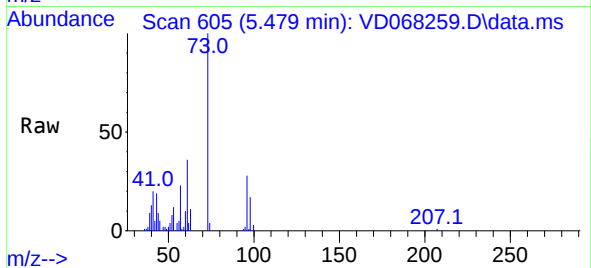
#19  
Methyl tert-butyl Ether  
Concen: 100.55 ug/l  
RT: 5.479 min Scan# 605  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 73 Resp: 69878  
Ion Ratio Lower Upper  
73 100  
57 22.8 14.4 21.6#

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

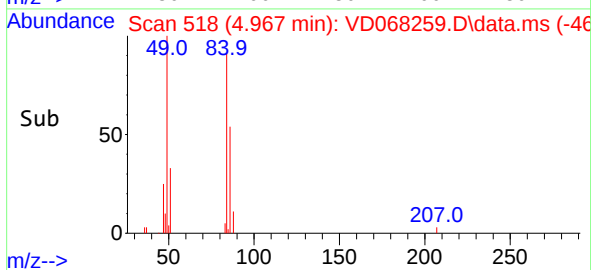
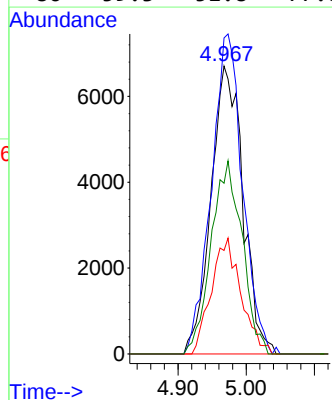
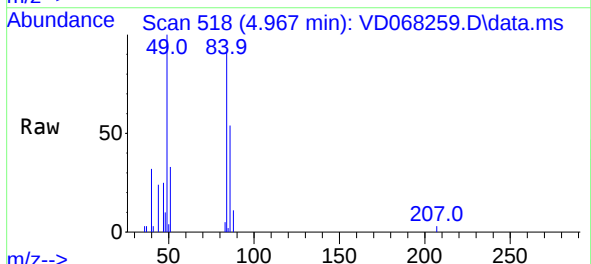
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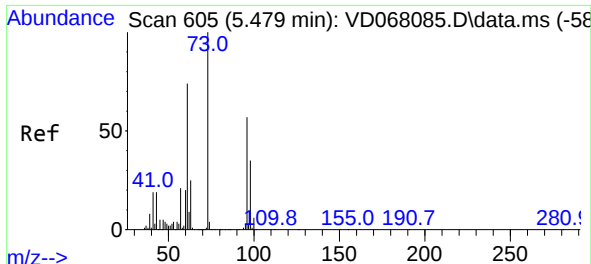
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#20  
Methylene Chloride  
Concen: 68.21 ug/l  
RT: 4.967 min Scan# 518  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

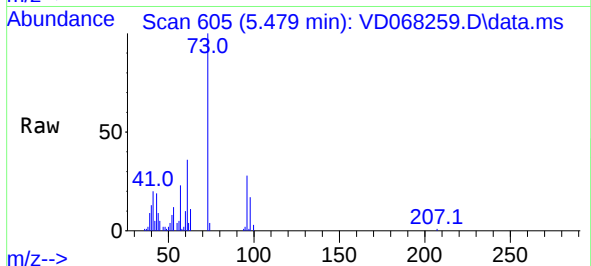
Tgt Ion: 84 Resp: 21833  
Ion Ratio Lower Upper  
84 100  
49 109.8 77.4 116.2  
51 36.0 26.1 39.1  
86 59.3 51.8 77.8





#21  
trans-1,2-Dichloroethene  
Concen: 48.45 ug/l  
RT: 5.479 min Scan# 605  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

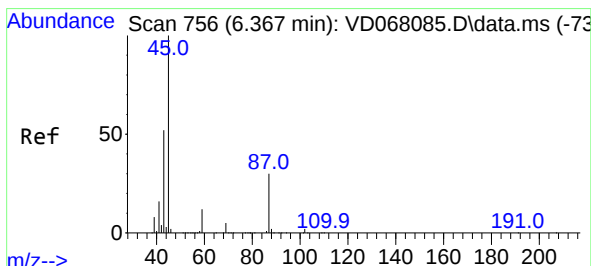
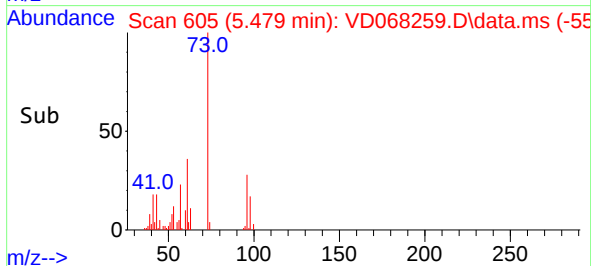
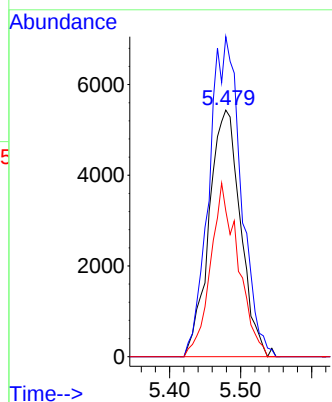
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD



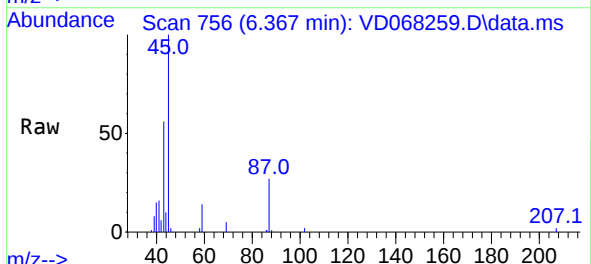
Tgt Ion: 96 Resp: 16718  
Ion Ratio Lower Upper  
96 100  
61 129.8 96.7 145.1  
98 59.1 47.6 71.4

Manual Integrations  
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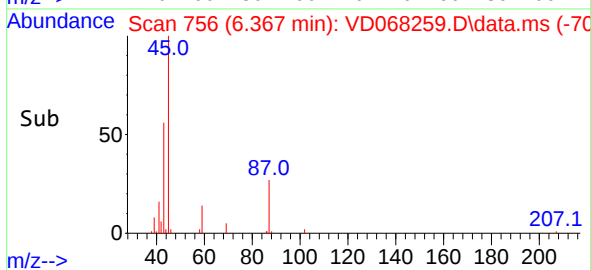
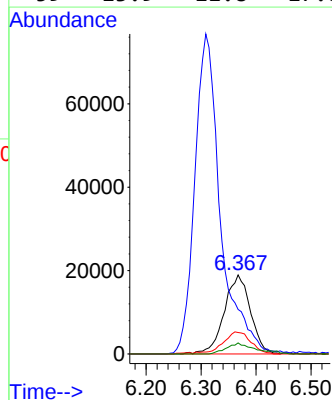
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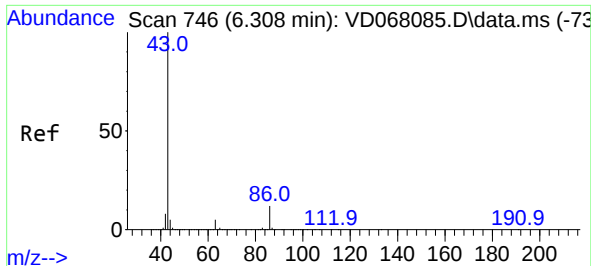


#22  
Diisopropyl ether  
Concen: 70.89 ug/l  
RT: 6.367 min Scan# 756  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



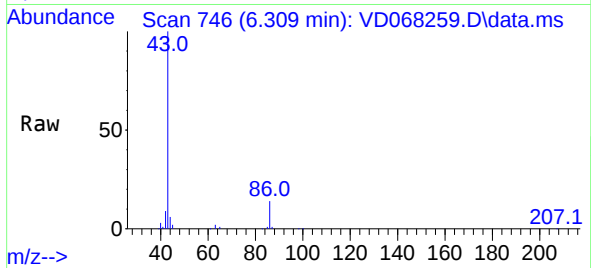
Tgt Ion: 45 Resp: 62545  
Ion Ratio Lower Upper  
45 100  
43 52.6 43.9 65.9  
87 27.1 29.9 44.9#  
59 13.9 11.8 17.8





#23  
 Vinyl Acetate  
 Concen: 529.48 ug/l  
 RT: 6.309 min Scan# 746  
 Delta R.T. 0.000 min  
 Lab File: VD068259.D  
 Acq: 03 Feb 2021 13:39

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OU421-005-0510MSD

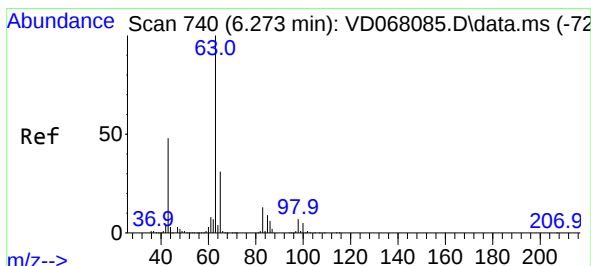
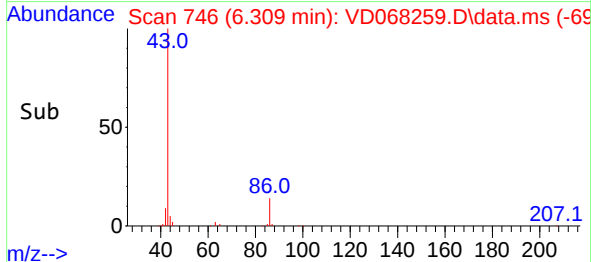
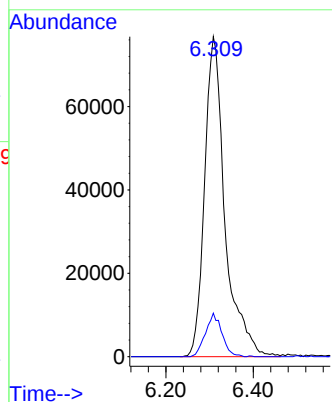


Tgt Ion: 43 Resp: 249013  

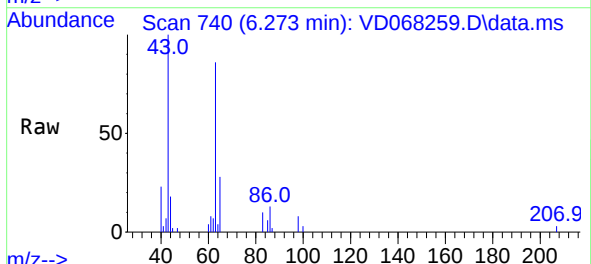
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 13.6  | 10.8  | 16.2  |

Manual Integrations  
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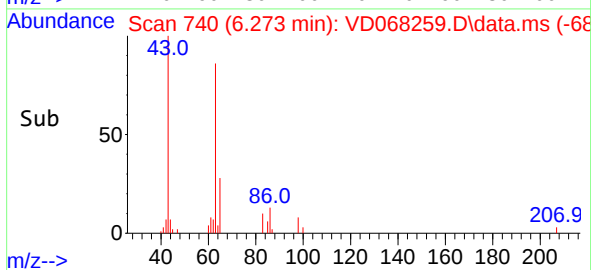
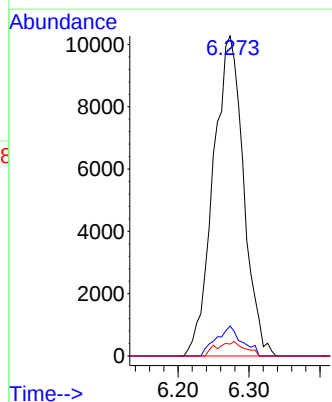


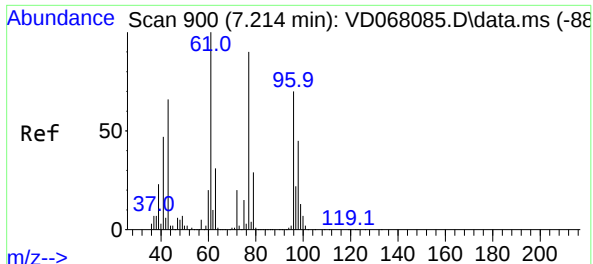
#24  
 1,1-Dichloroethane  
 Concen: 53.15 ug/l  
 RT: 6.273 min Scan# 740  
 Delta R.T. 0.000 min  
 Lab File: VD068259.D  
 Acq: 03 Feb 2021 13:39



Tgt Ion: 63 Resp: 30385  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 9.3   | 3.8   | 11.4  |
| 100 | 3.7   | 2.6   | 8.0   |





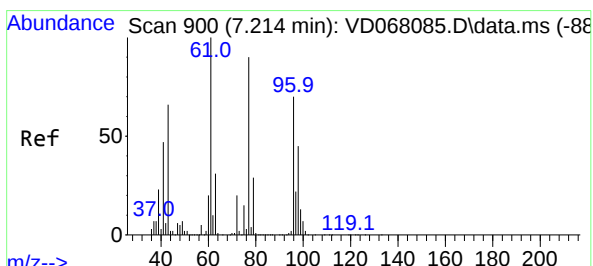
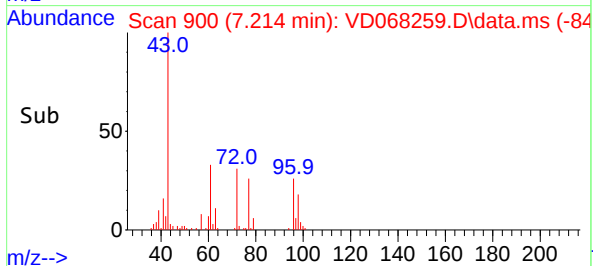
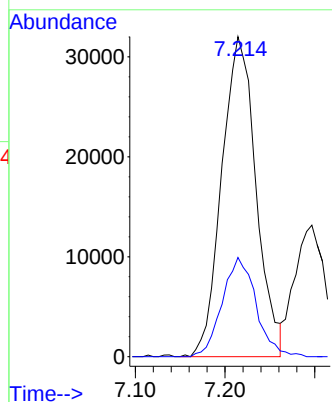
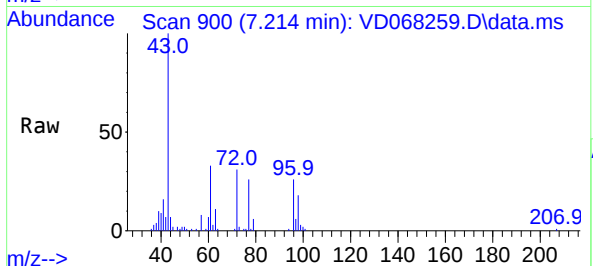
#25  
2-Butanone  
Concen: 1204.46 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. 0.000 min  
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Tgt Ion: 43 Resp: 84992  
Ion Ratio Lower Upper  
43 100  
72 31.0 25.1 37.7

Instrument :  
MSVOA\_D  
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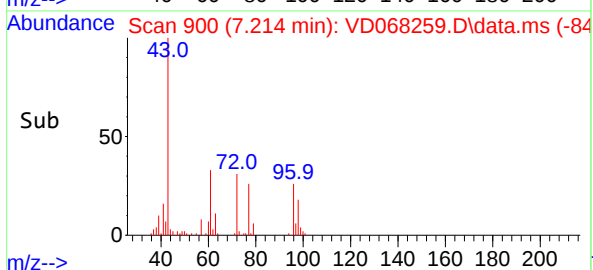
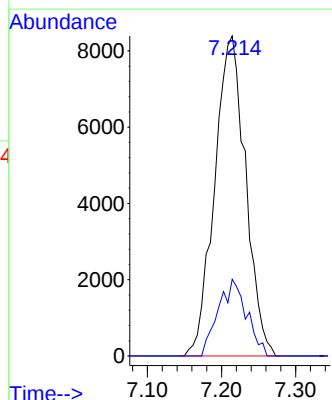
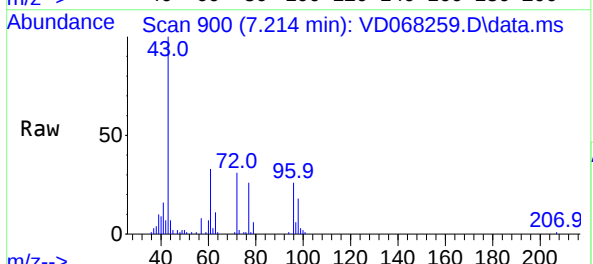
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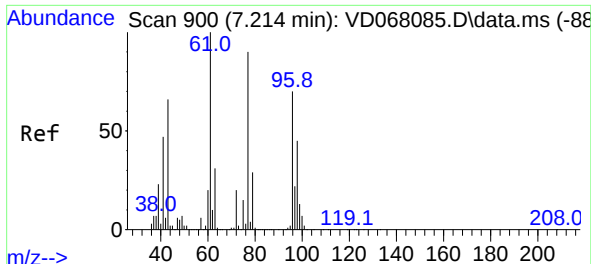
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#26  
2,2-Dichloropropane  
Concen: 45.09 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

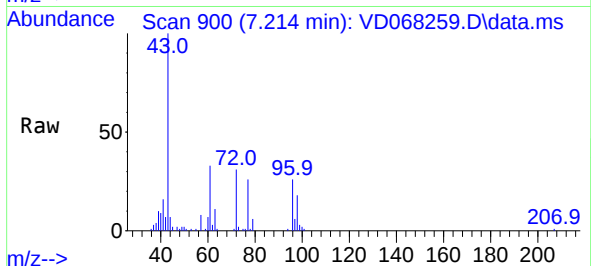
Tgt Ion: 77 Resp: 24388  
Ion Ratio Lower Upper  
77 100  
97 21.9 11.7 35.1





#27  
cis-1,2-Dichloroethene  
Concen: 58.32 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

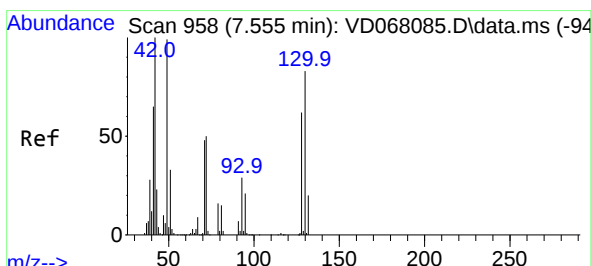
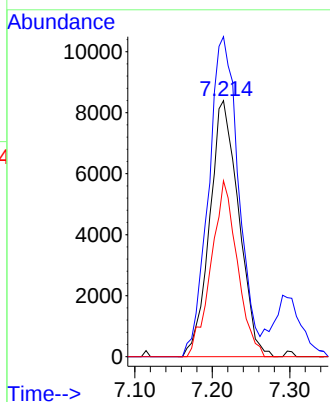
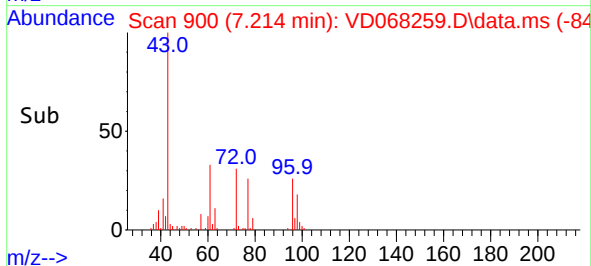
Instrument :  
MSVOA\_D  
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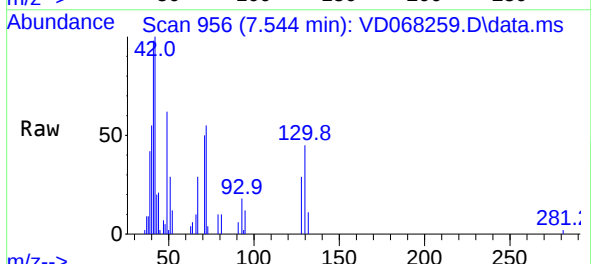
Tgt Ion: 96 Resp: 21850  
Ion Ratio Lower Upper  
96 100  
61 129.4 0.0 257.4  
98 62.0 0.0 126.6

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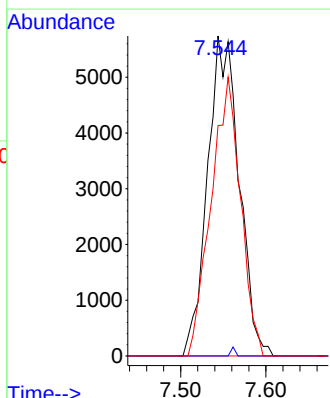
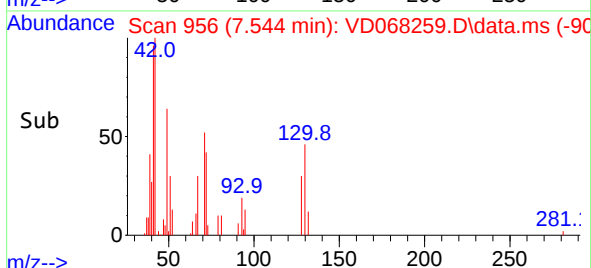
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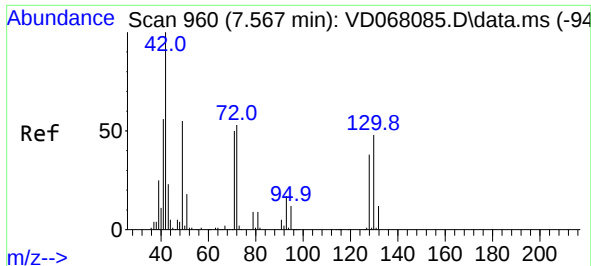


#28  
Bromochloromethane  
Concen: 75.93 ug/l  
RT: 7.544 min Scan# 956  
Delta R.T. -0.011 min  
Lab File: VD068259.D  
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Tgt Ion: 49 Resp: 14788  
Ion Ratio Lower Upper  
49 100  
129 0.4 0.0 4.8  
130 81.0 85.5 128.3#





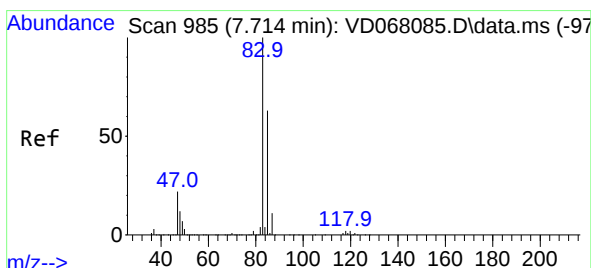
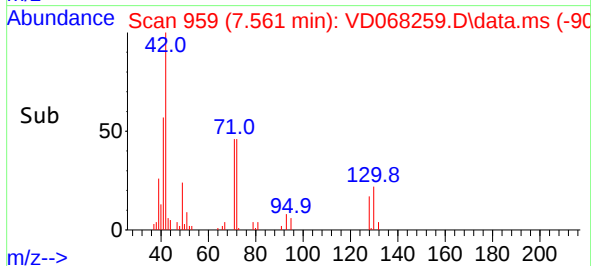
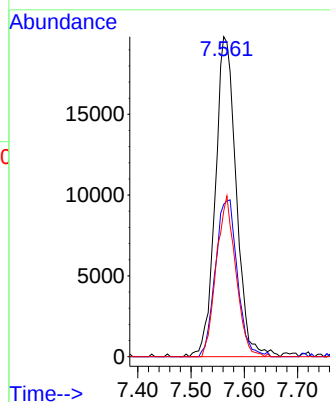
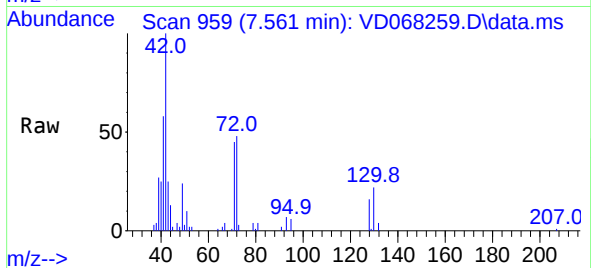
#29  
Tetrahydrofuran  
Concen: 1180.87 ug/l  
RT: 7.561 min Scan# 959  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 54017 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 51.6  | 43.4  | 65.0  |
| 71       | 46.8  | 40.8  | 61.2  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
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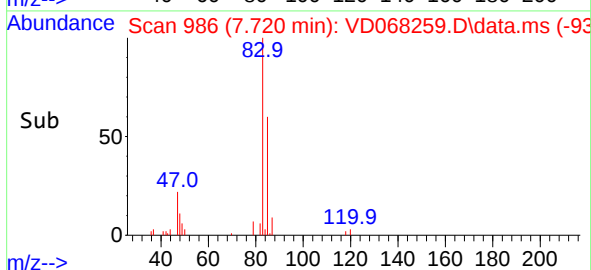
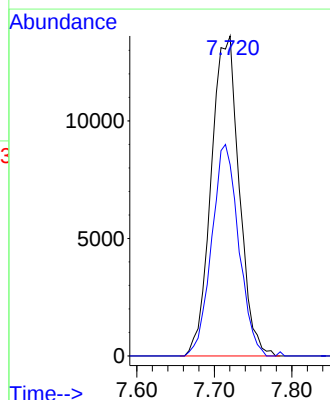
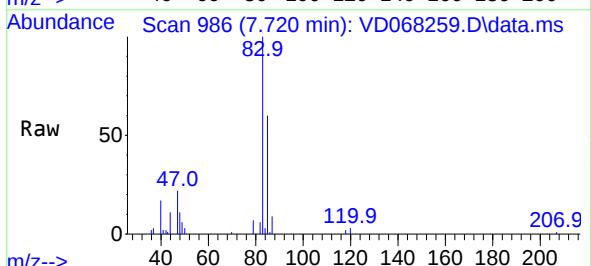
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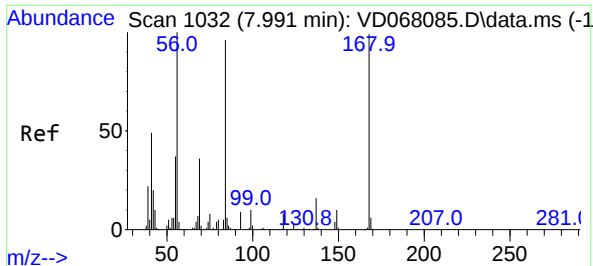
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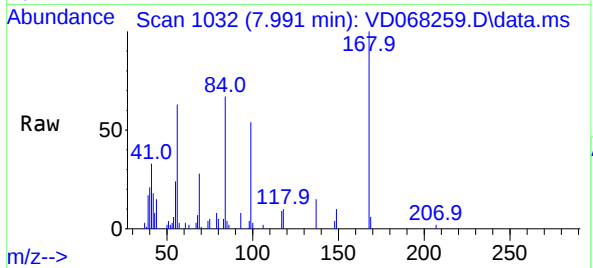
#30  
Chloroform  
Concen: 59.05 ug/l  
RT: 7.720 min Scan# 986  
Delta R.T. 0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 34113 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 59.7  | 53.4  | 80.0  |

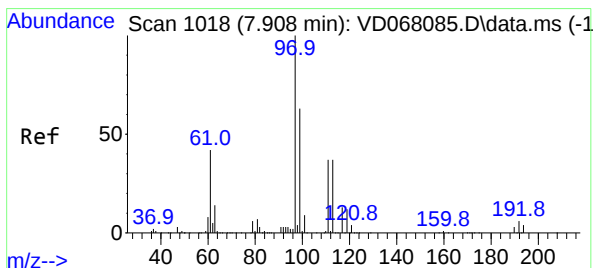
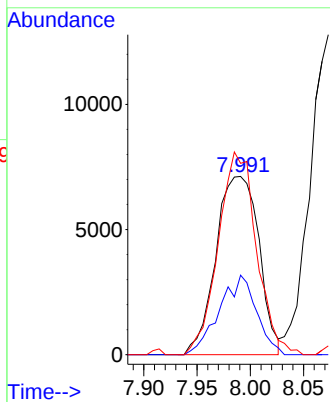
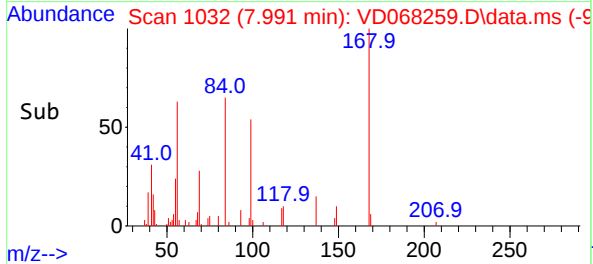




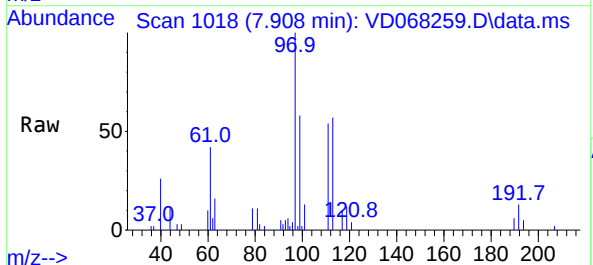
#31  
Cyclohexane  
Concen: 35.23 ug/l  
RT: 7.991 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



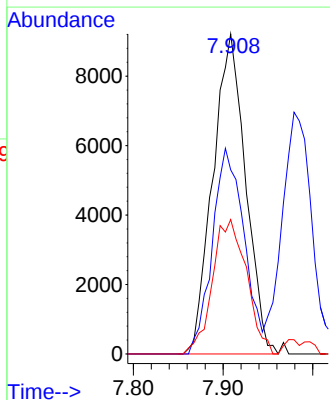
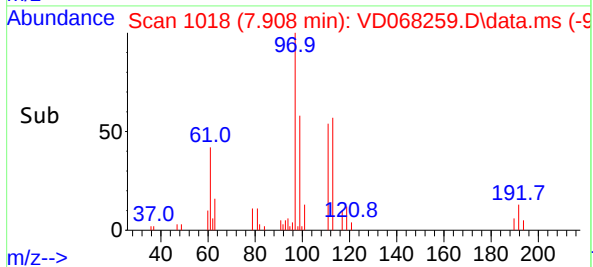
Tgt Ion: 56 Resp: 20024  
Ion Ratio Lower Upper  
56 100  
69 44.7 30.1 45.1  
84 107.4 82.1 123.1



#32  
1,1,1-Trichloroethane  
Concen: 44.82 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



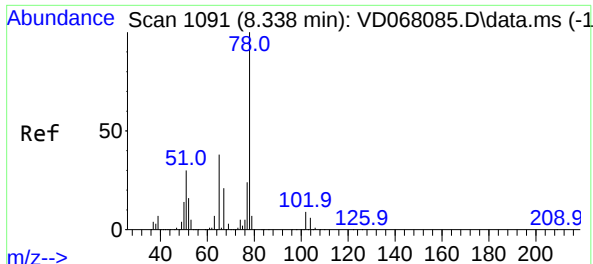
Tgt Ion: 97 Resp: 23332  
Ion Ratio Lower Upper  
97 100  
99 62.2 52.1 78.1  
61 43.8 30.1 45.1



Instrument :  
MSVOA\_D  
ClientSampleId :  
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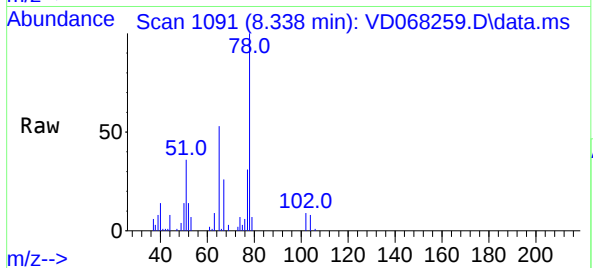
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#33  
1,2-Dichloroethane-d4  
Concen: 79.29 ug/l  
RT: 8.338 min Scan# 1091  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

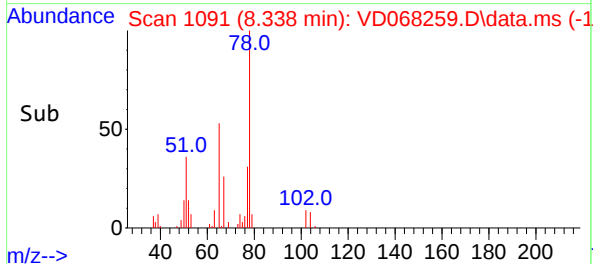
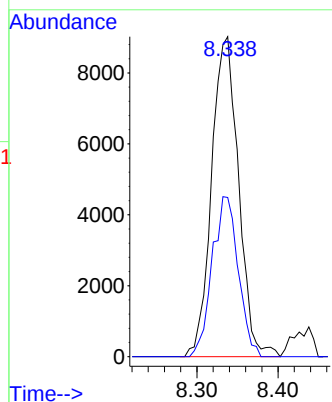
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD



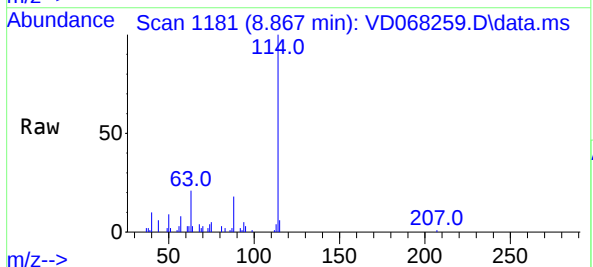
Tgt Ion: 65 Resp: 20811  
Ion Ratio Lower Upper  
65 100  
67 48.3 0.0 105.0

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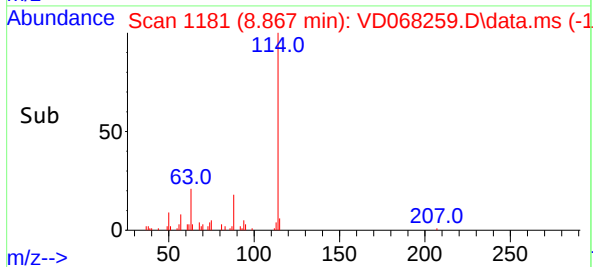
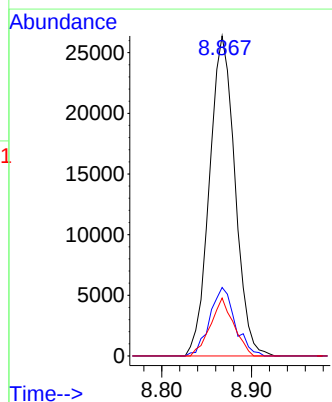
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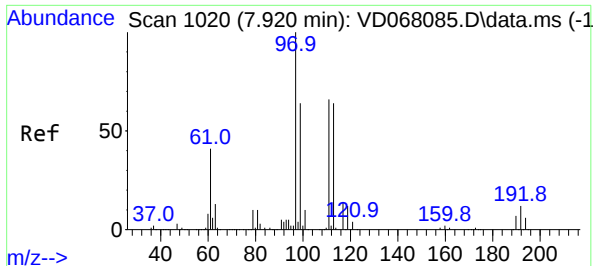


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
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Tgt Ion: 114 Resp: 52026  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 34.8  
88 18.1 0.0 31.6





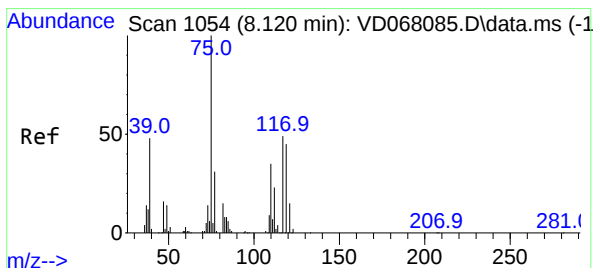
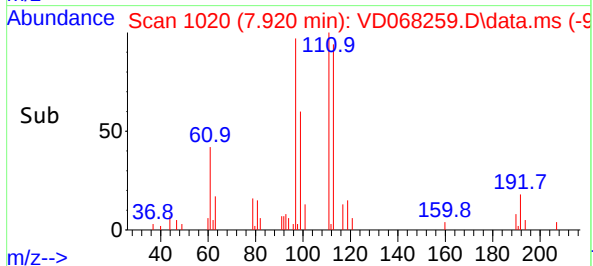
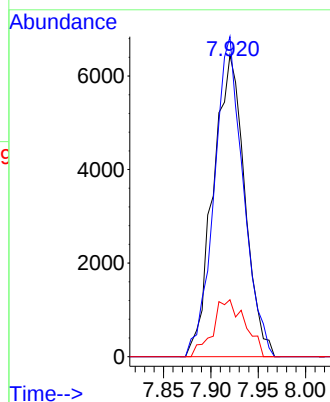
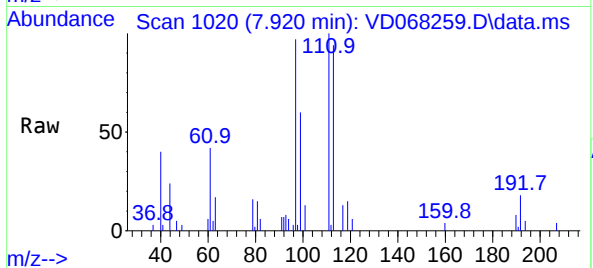
#35  
Dibromofluoromethane  
Concen: 51.90 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 14929 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 98.3  | 81.4  | 122.0 |
| 192      | 19.3  | 16.1  | 24.1  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

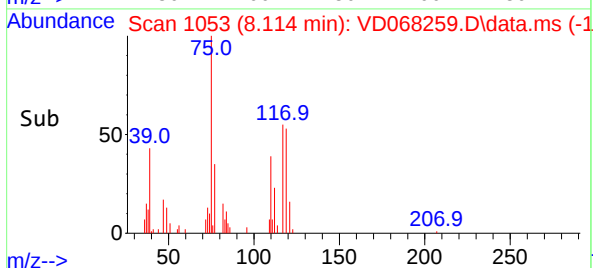
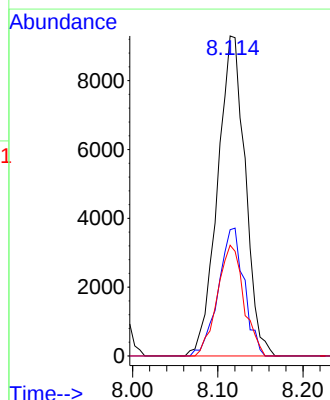
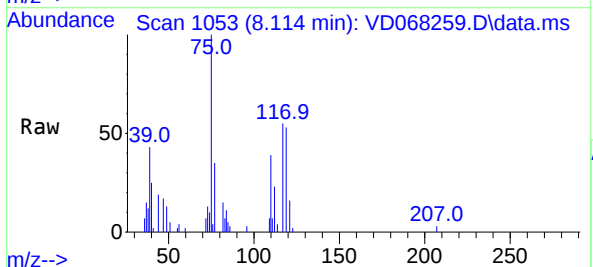
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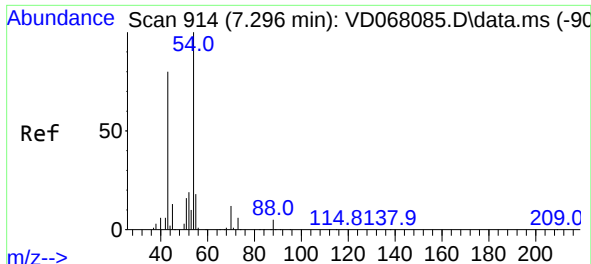
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#36  
1,1-Dichloropropene  
Concen: 40.00 ug/l  
RT: 8.114 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 20988 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 37.2  | 19.4  | 58.2  |
| 77       | 32.9  | 25.3  | 37.9  |





#37

Ethyl Acetate

Concen: 188.10 ug/l

RT: 7.297 min Scan# 914

Delta R.T. 0.000 min

Lab File: VD068259.D

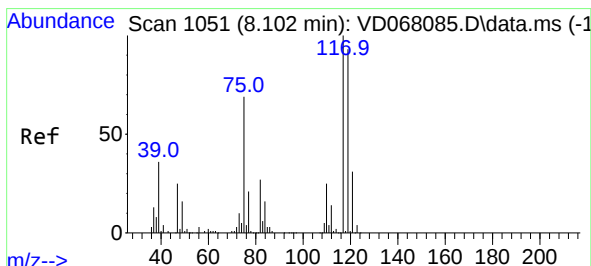
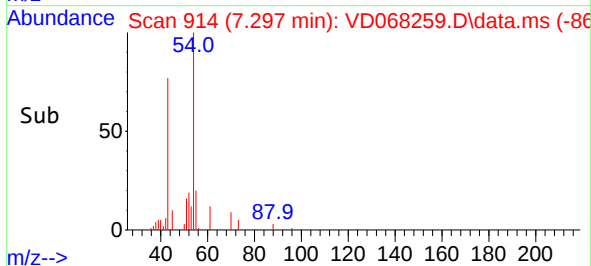
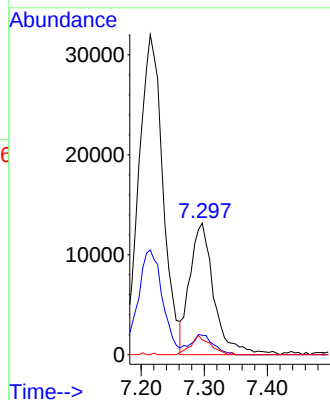
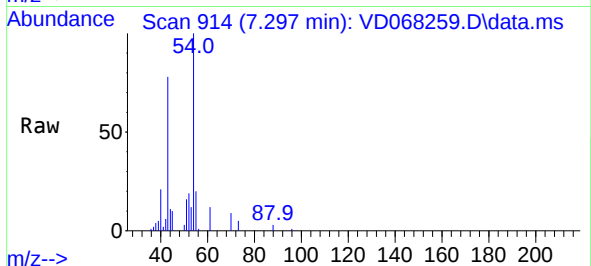
Acq: 03 Feb 2021 13:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 34909 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 12.8  | 12.9  | 19.3# |
| 70       | 11.7  | 11.0  | 16.6  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
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#38

Carbon Tetrachloride

Concen: 34.61 ug/l

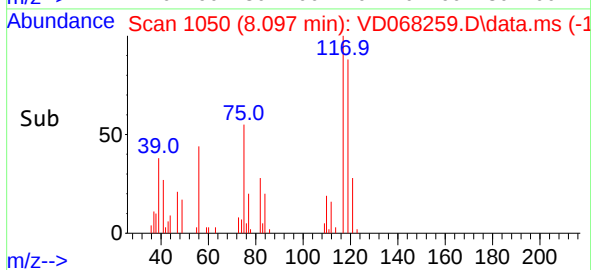
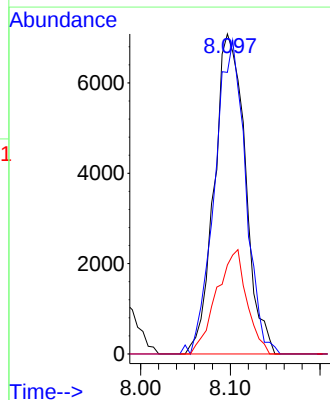
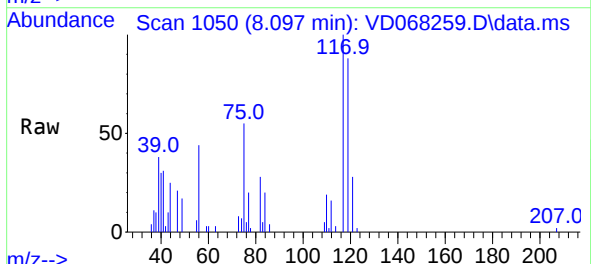
RT: 8.097 min Scan# 1050

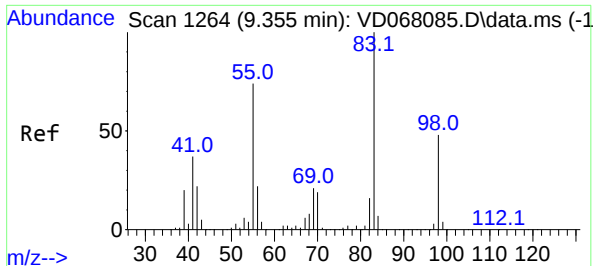
Delta R.T. -0.006 min

Lab File: VD068259.D

Acq: 03 Feb 2021 13:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 16997 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 88.0  | 77.3  | 115.9 |
| 121      | 27.8  | 24.7  | 37.1  |





#39

Methylcyclohexane

Concen: 26.04 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VD068259.D

Acq: 03 Feb 2021 13:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 17858 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 87.2  | 55.2  | 82.8# |
| 98       | 46.6  | 39.1  | 58.7  |

Instrument :

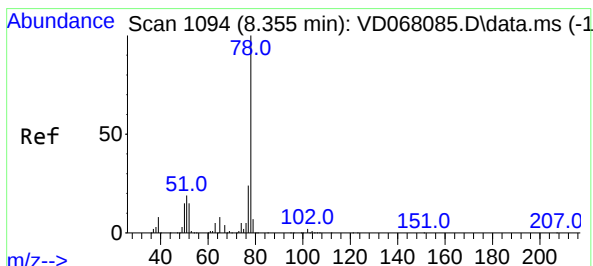
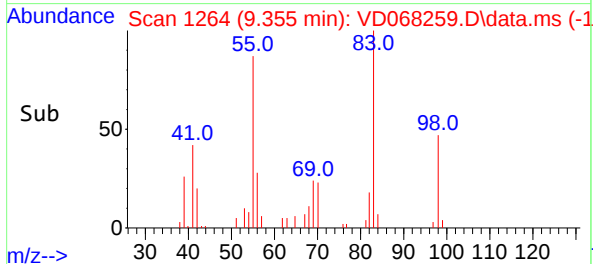
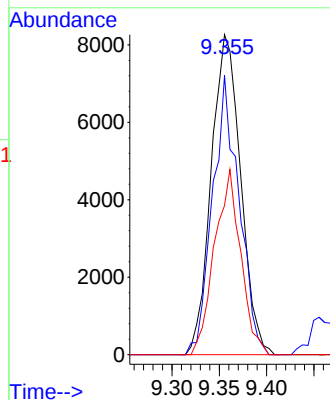
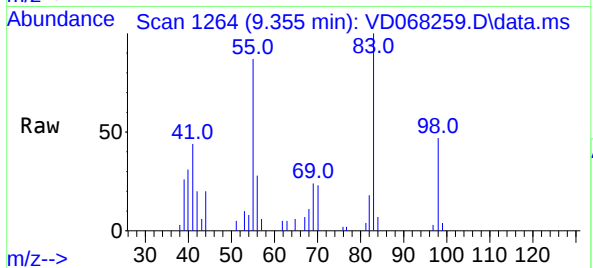
MSVOA\_D

ClientSampleId :

OU421-005-0510MSD

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#40

Benzene

Concen: 47.65 ug/l

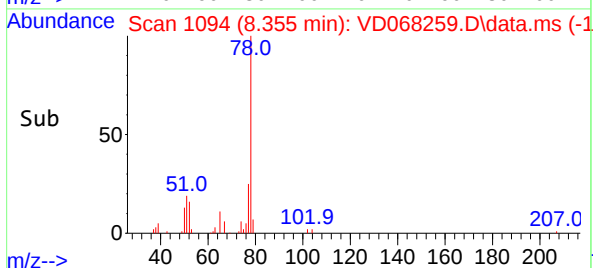
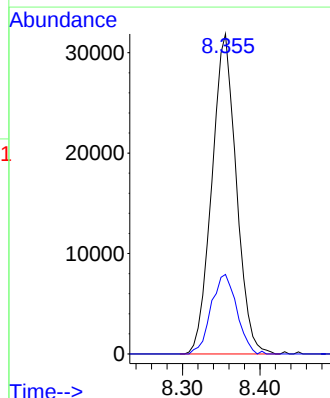
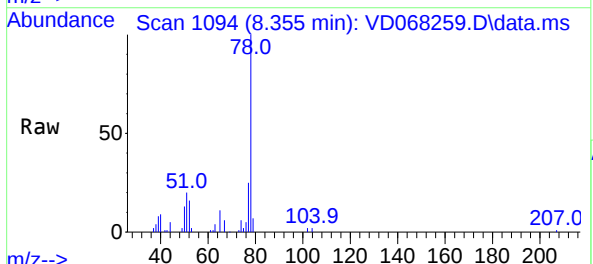
RT: 8.355 min Scan# 1094

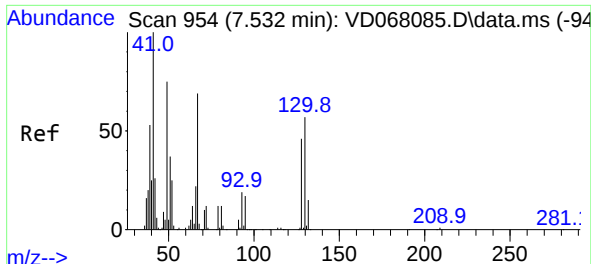
Delta R.T. 0.000 min

Lab File: VD068259.D

Acq: 03 Feb 2021 13:39

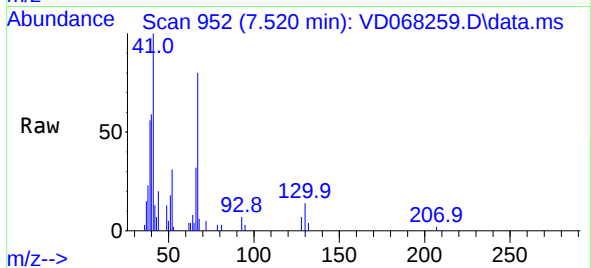
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 69899 |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 24.8  | 17.8  | 26.6  |





#41  
Methacrylonitrile  
Concen: 105.69 ug/l m  
RT: 7.520 min Scan# 952  
Delta R.T. -0.012 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

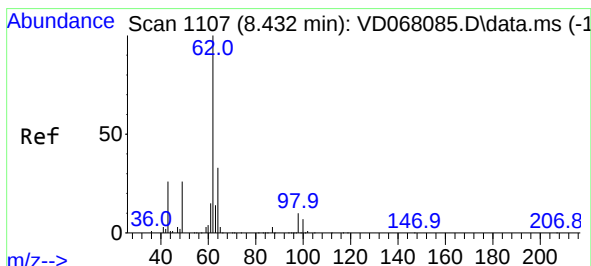
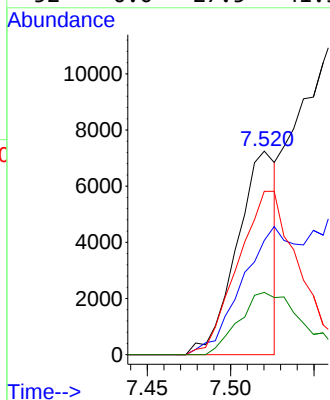
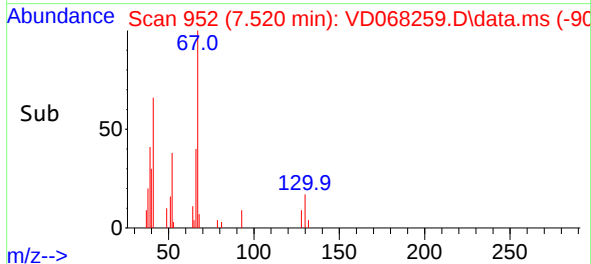
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD



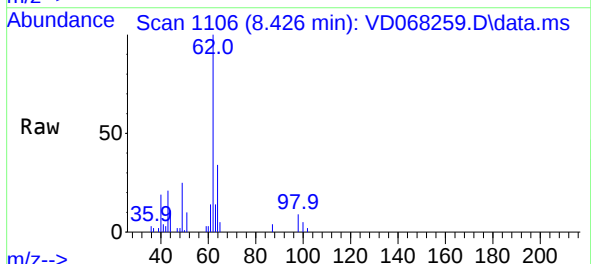
Tgt Ion: 41 Resp: 11838  
Ion Ratio Lower Upper  
41 100  
39 0.0 45.2 67.8#  
67 0.0 67.4 101.2#  
52 0.0 27.5 41.3#

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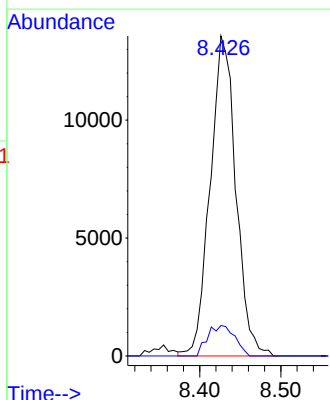
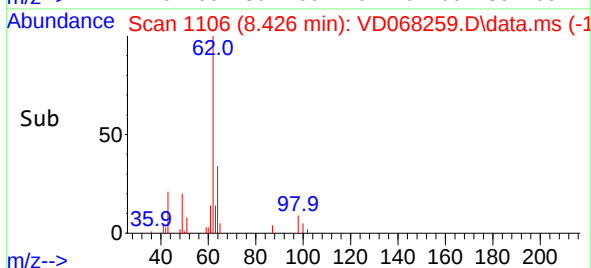
MMDadoda  
2/4/2021 10:35:27 AM

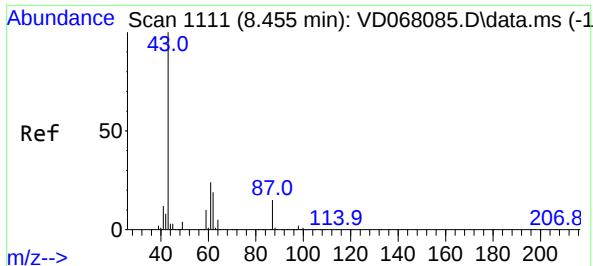


#42  
1,2-Dichloroethane  
Concen: 76.22 ug/l  
RT: 8.426 min Scan# 1106  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



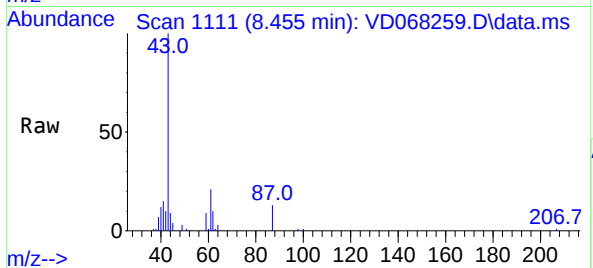
Tgt Ion: 62 Resp: 29874  
Ion Ratio Lower Upper  
62 100  
98 10.0 0.0 21.8





#43  
Isopropyl Acetate  
Concen: 130.88 ug/l  
RT: 8.455 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

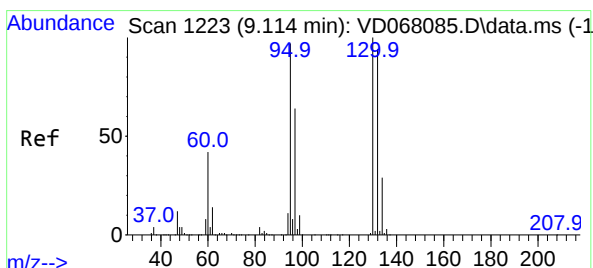
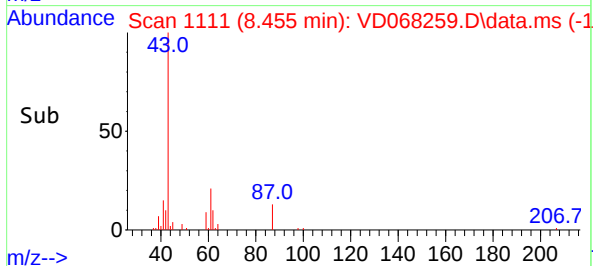
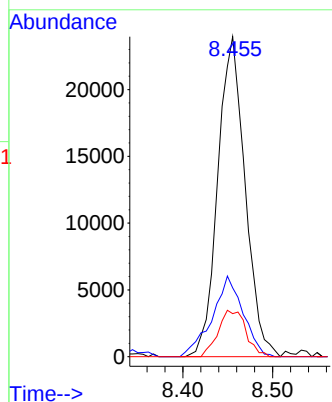
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD



Tgt Ion: 43 Resp: 50620  
Ion Ratio Lower Upper  
43 100  
61 28.6 28.7 43.1#  
87 14.7 13.9 20.9

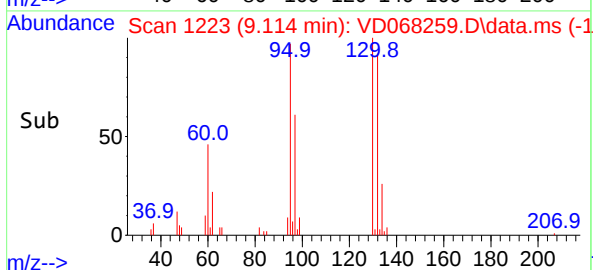
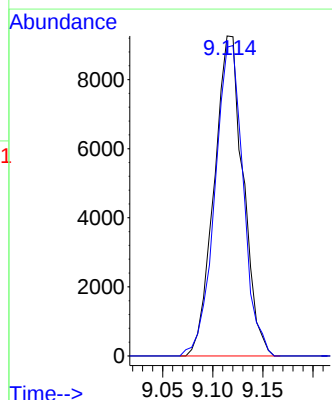
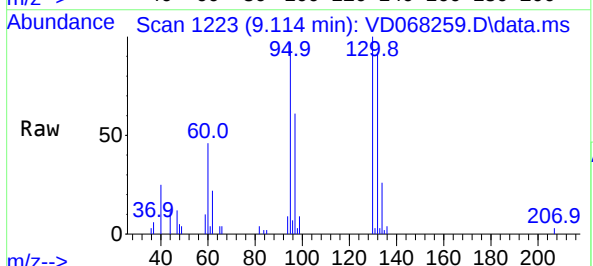
Manual Integrations  
APPROVED

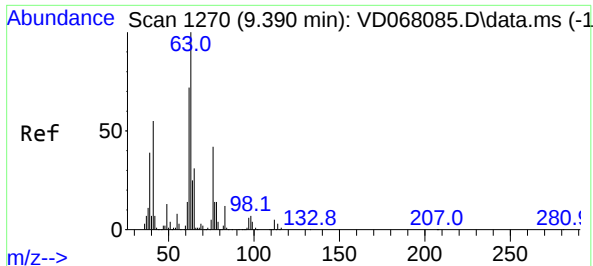
MMDadoda  
2/4/2021 10:35:27 AM



#44  
Trichloroethene  
Concen: 46.23 ug/l  
RT: 9.114 min Scan# 1223  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 130 Resp: 18624  
Ion Ratio Lower Upper  
130 100  
95 96.5 0.0 191.2





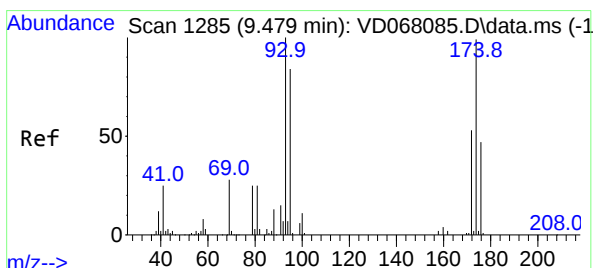
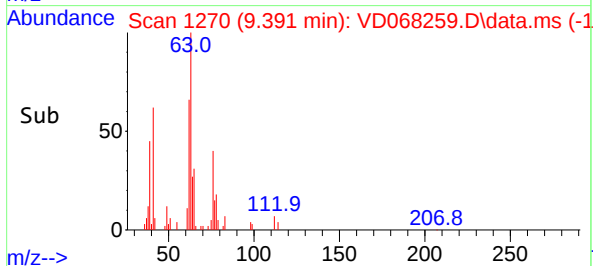
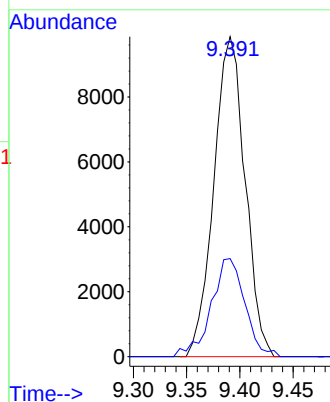
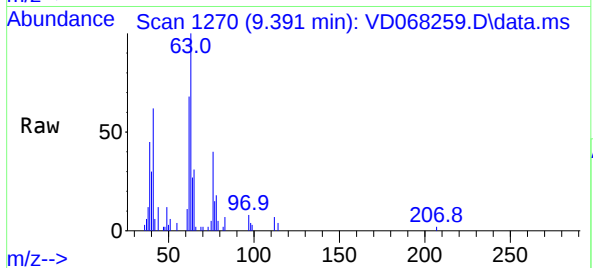
#45  
1,2-Dichloropropane  
Concen: 55.84 ug/l  
RT: 9.391 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 63 Resp: 20058  
Ion Ratio Lower Upper  
63 100  
65 30.6 26.6 40.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

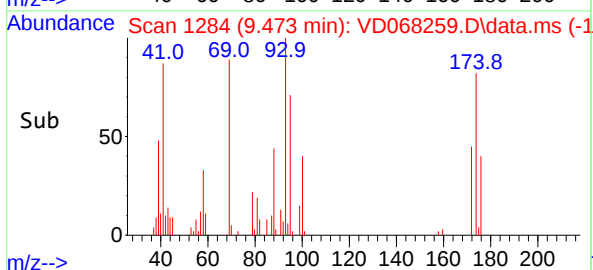
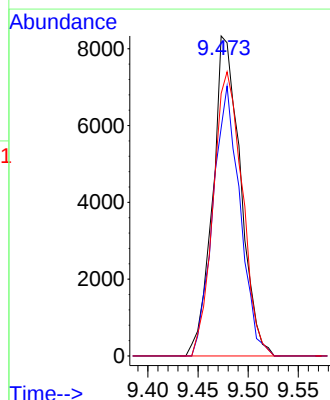
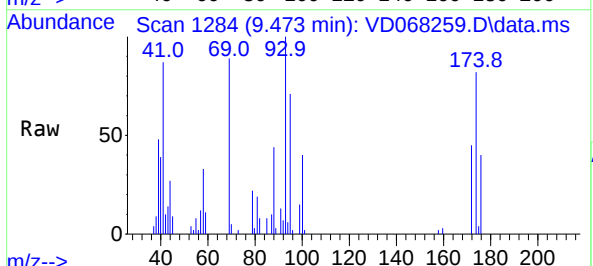
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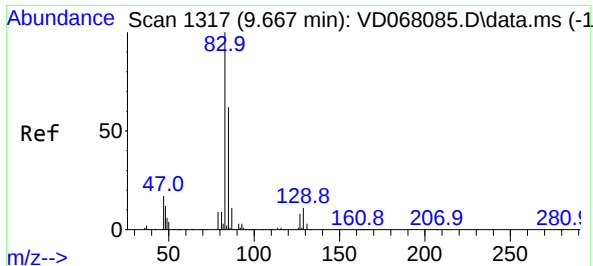
MMDadoda  
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#46  
Dibromomethane  
Concen: 87.87 ug/l  
RT: 9.473 min Scan# 1284  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 93 Resp: 15995  
Ion Ratio Lower Upper  
93 100  
95 82.3 67.3 100.9  
174 92.8 84.6 127.0





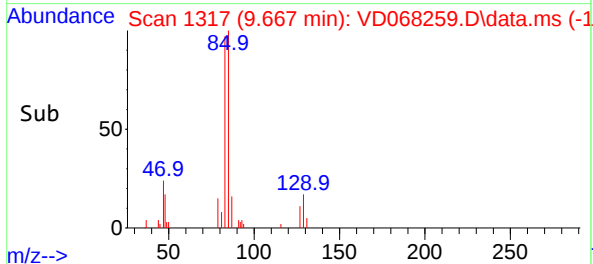
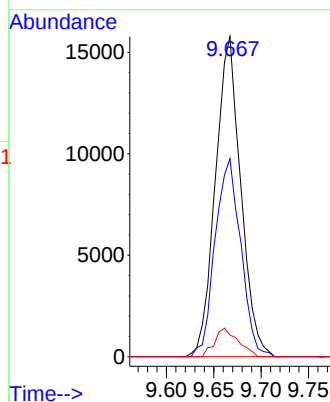
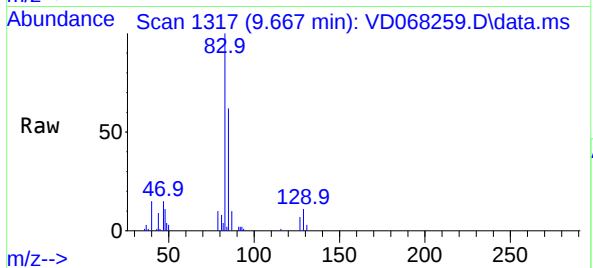
#47  
Bromodichloromethane  
Concen: 59.88 ug/l  
RT: 9.667 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 83 Resp: 29407  
Ion Ratio Lower Upper  
83 100  
85 61.9 51.6 77.4  
127 6.7 7.4 11.0#

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

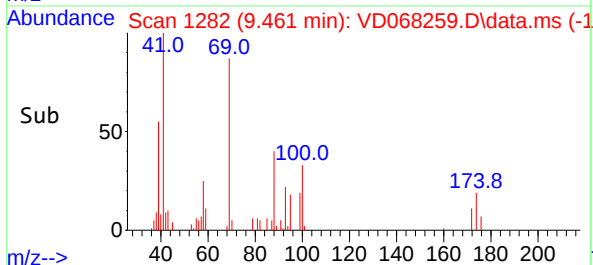
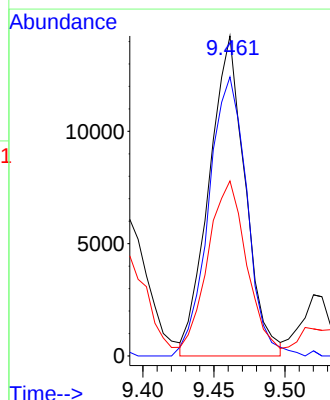
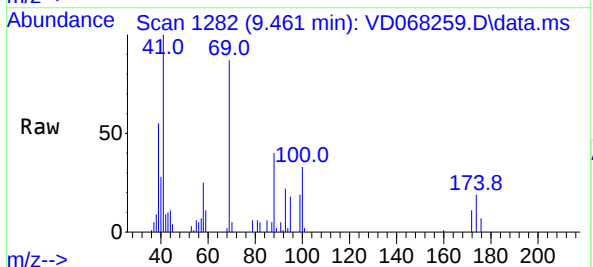
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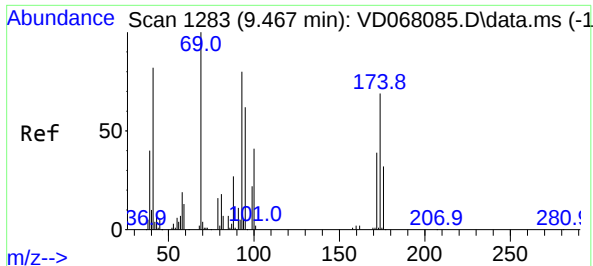
MMDadoda  
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#48  
Methyl methacrylate  
Concen: 130.89 ug/l  
RT: 9.461 min Scan# 1282  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 41 Resp: 25196  
Ion Ratio Lower Upper  
41 100  
69 92.3 77.1 115.7  
39 60.2 41.5 62.3





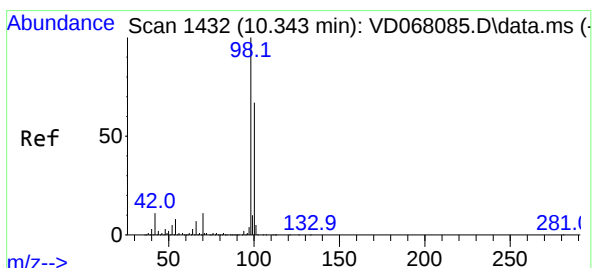
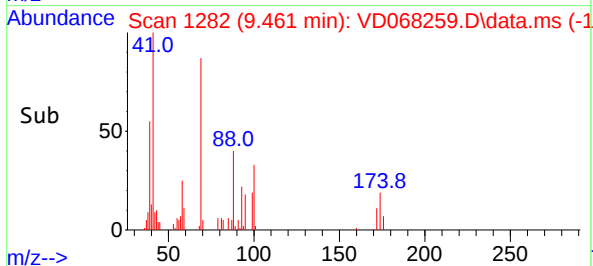
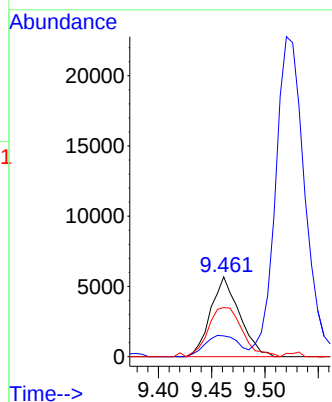
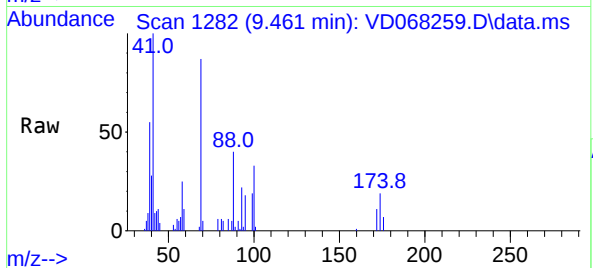
#49  
1,4-Dioxane  
Concen: 5021.86 ug/l  
RT: 9.461 min Scan# 1282  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 88 Resp: 10712  
Ion Ratio Lower Upper  
88 100  
43 31.3 22.1 33.1  
58 73.2 46.7 70.1#

Instrument :  
MSVOA\_D  
ClientSampleId :  
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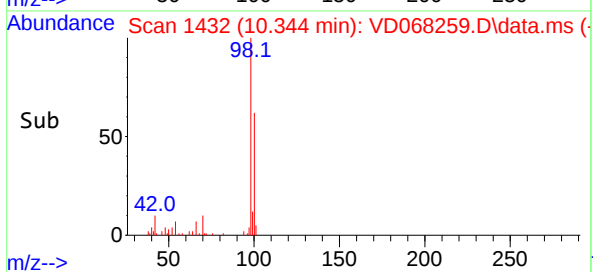
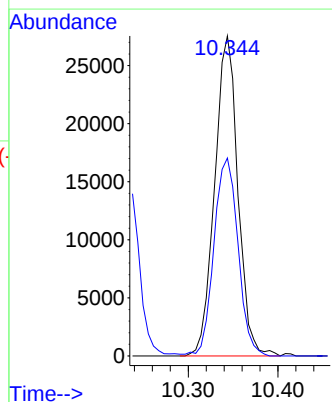
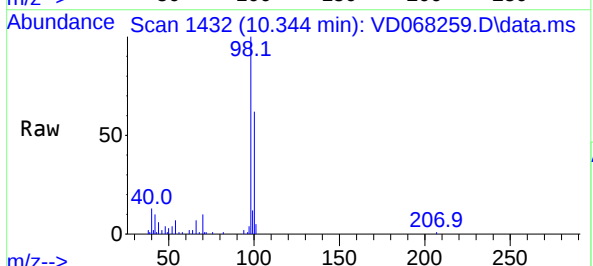
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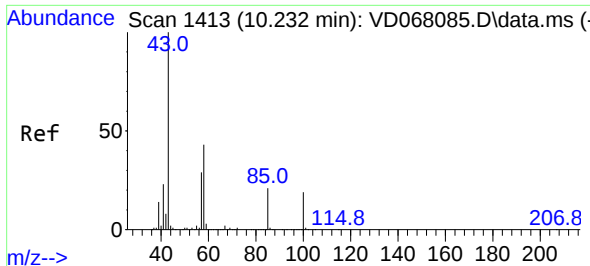
MMDadoda  
2/4/2021 10:35:27 AM



#50  
Toluene-d8  
Concen: 43.05 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

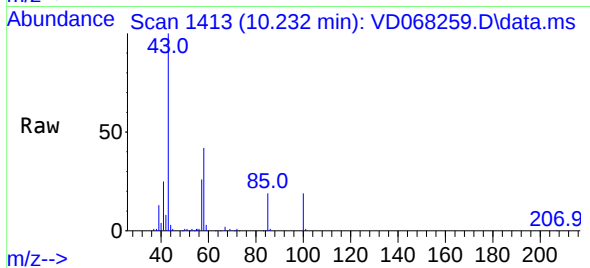
Tgt Ion: 98 Resp: 49528  
Ion Ratio Lower Upper  
98 100  
100 64.1 53.0 79.4





#51  
4-Methyl-2-Pentanone  
Concen: 887.56 ug/l  
RT: 10.232 min Scan# 1413  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

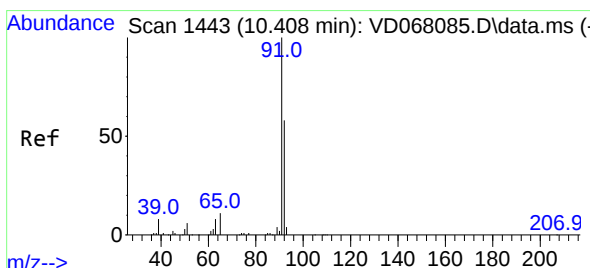
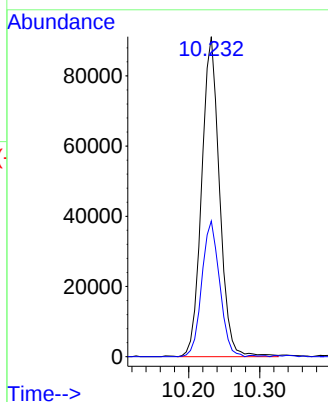
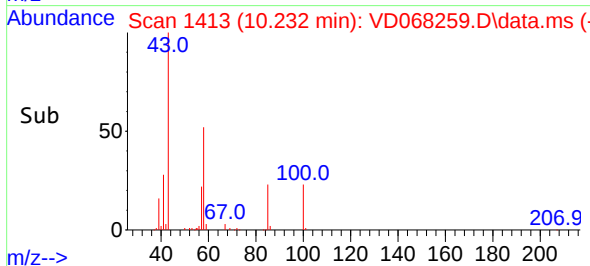
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD



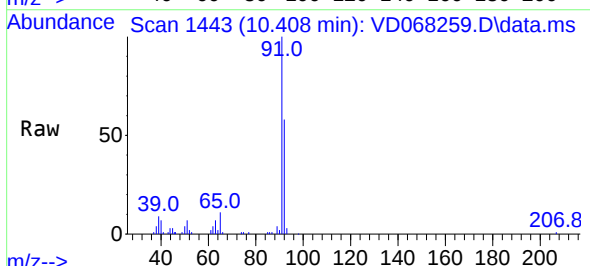
Tgt Ion: 43 Resp: 159567  
Ion Ratio Lower Upper  
43 100  
58 42.3 36.1 54.1

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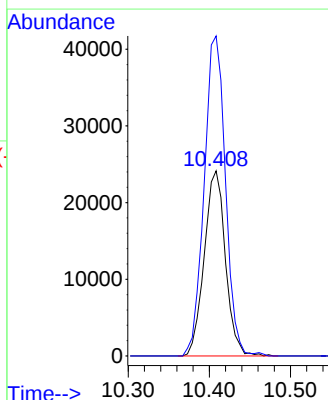
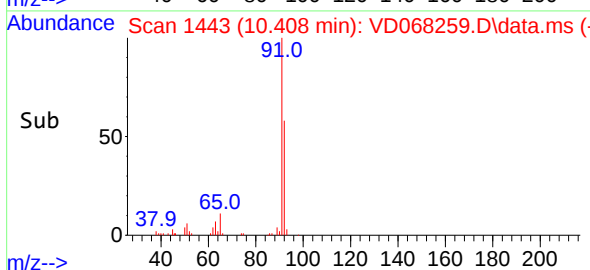
MMDadoda  
2/4/2021 10:35:27 AM

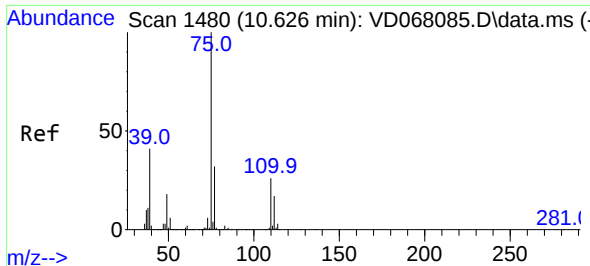


#52  
Toluene  
Concen: 45.77 ug/l  
RT: 10.408 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



Tgt Ion: 92 Resp: 43744  
Ion Ratio Lower Upper  
92 100  
91 173.8 134.1 201.1





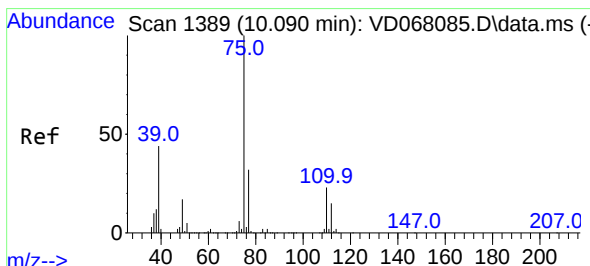
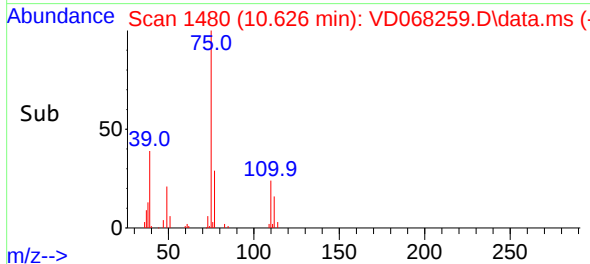
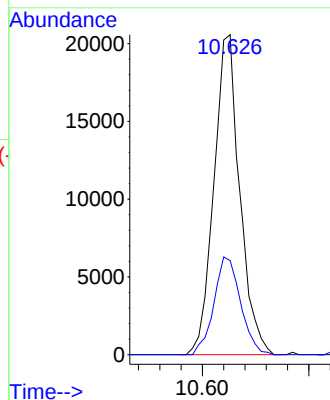
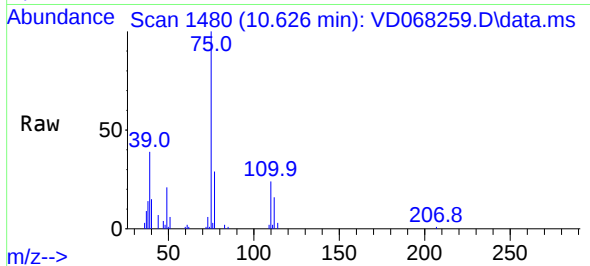
#53  
t-1,3-Dichloropropene  
Concen: 69.54 ug/l  
RT: 10.626 min Scan# 1480  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 75 Resp: 34572  
Ion Ratio Lower Upper  
75 100  
77 29.4 25.0 37.4

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

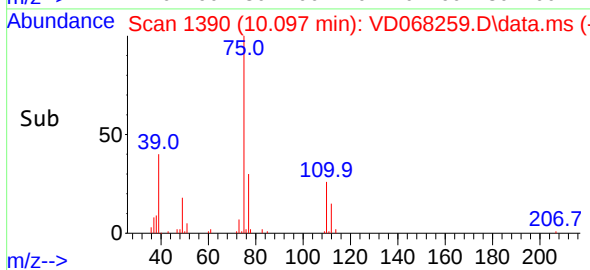
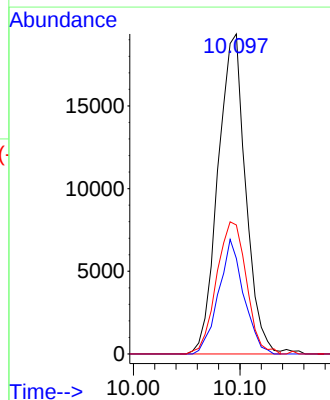
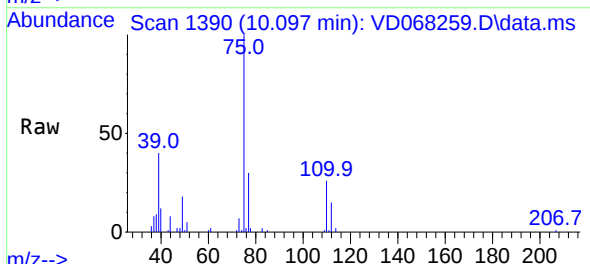
Manual Integrations  
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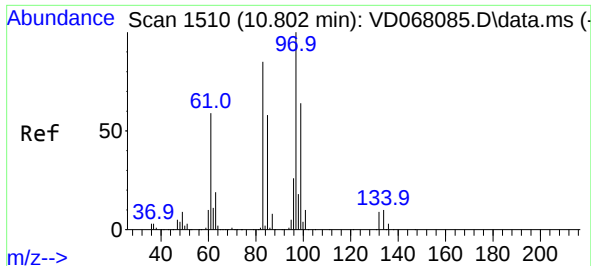
MMDadoda  
2/4/2021 10:35:27 AM



#54  
cis-1,3-Dichloropropene  
Concen: 59.01 ug/l  
RT: 10.097 min Scan# 1390  
Delta R.T. 0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 75 Resp: 34921  
Ion Ratio Lower Upper  
75 100  
77 29.9 24.6 37.0  
39 40.3 31.4 47.0





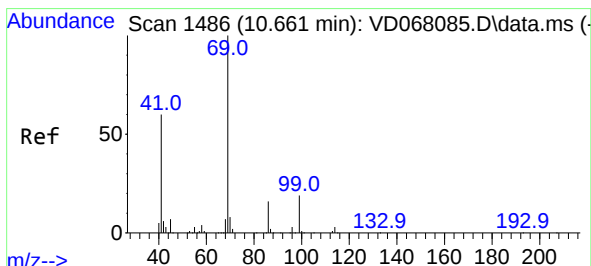
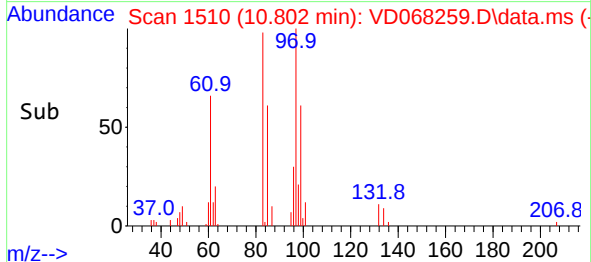
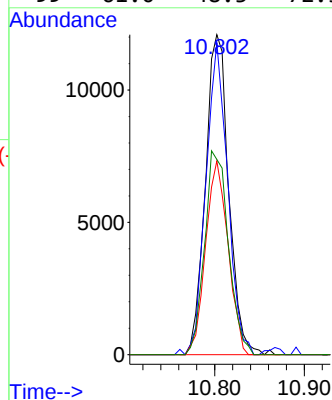
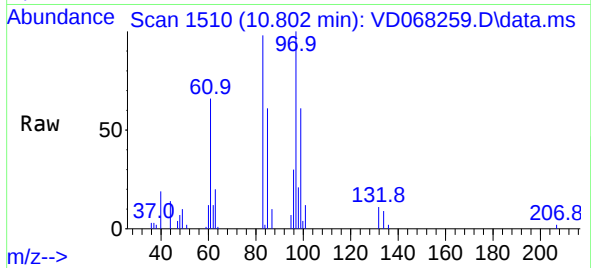
#55  
1,1,2-Trichloroethane  
Concen: 84.82 ug/l  
RT: 10.802 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 21879 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 95.9  | 61.8  | 92.6# |
| 85       | 60.6  | 42.2  | 63.2  |
| 99       | 61.0  | 48.3  | 72.5  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

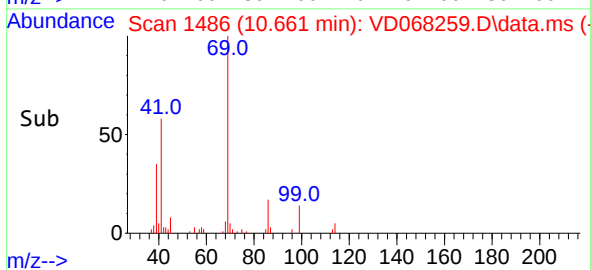
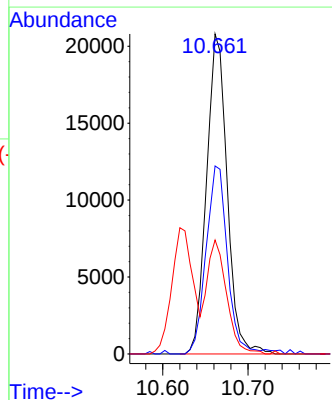
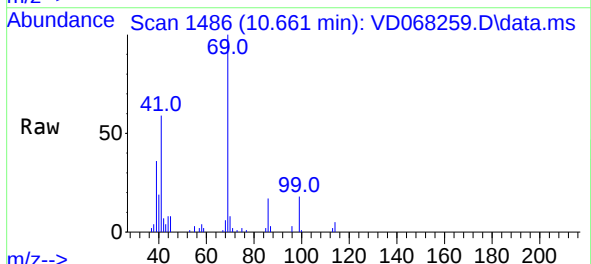
Manual Integrations  
APPROVED

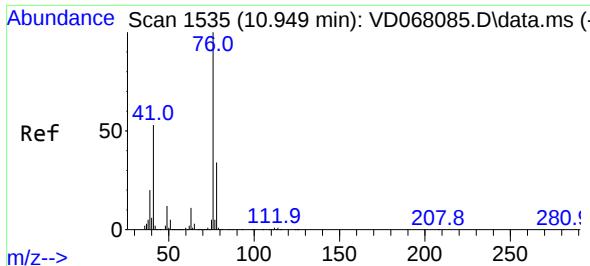
MMDadoda  
2/4/2021 10:35:27 AM



#56  
Ethyl methacrylate  
Concen: 101.69 ug/l  
RT: 10.661 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 34943 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 60.7  | 44.9  | 67.3  |
| 39       | 34.0  | 21.9  | 32.9# |





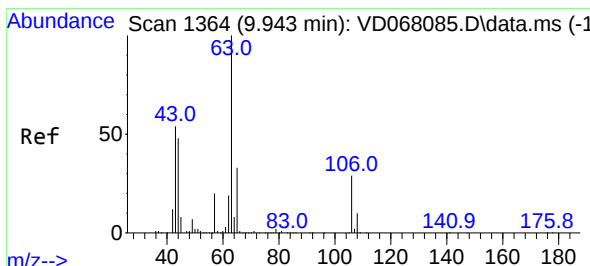
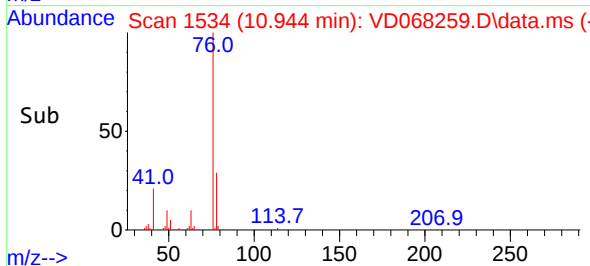
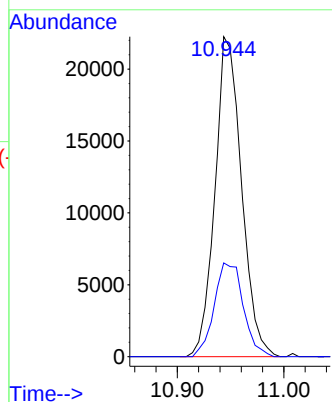
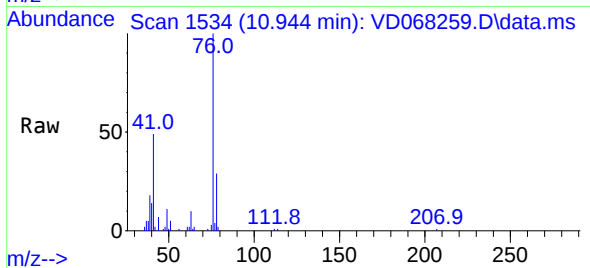
#57  
1,3-Dichloropropane  
Concen: 84.62 ug/l  
RT: 10.944 min Scan# 1534  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
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Tgt Ion: 76 Resp: 38515  
Ion Ratio Lower Upper  
76 100  
78 32.1 25.6 38.4

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

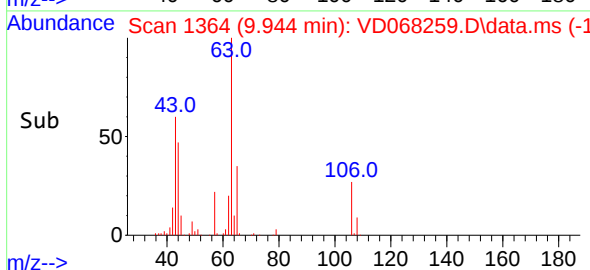
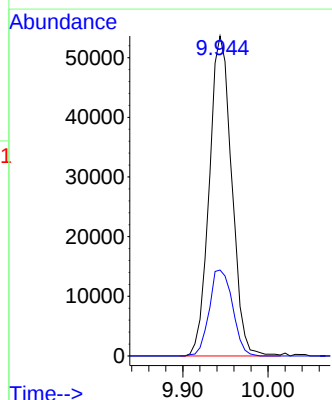
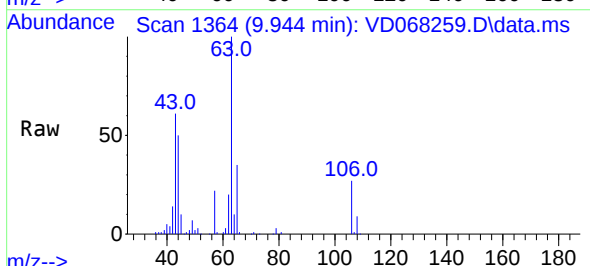
Manual Integrations  
APPROVED

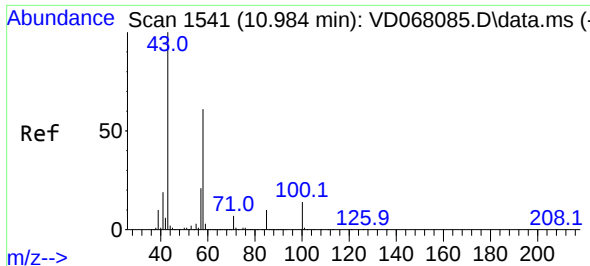
MMDadoda  
2/4/2021 10:35:27 AM



#58  
2-Chloroethyl Vinyl ether  
Concen: 618.16 ug/l  
RT: 9.944 min Scan# 1364  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

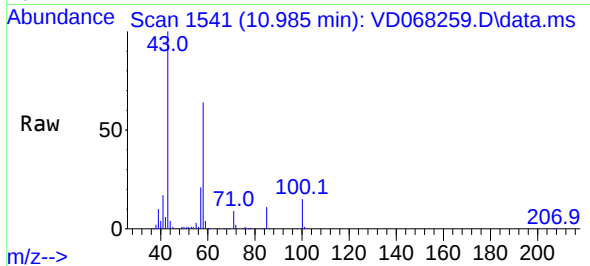
Tgt Ion: 63 Resp: 98023  
Ion Ratio Lower Upper  
63 100  
106 27.9 27.0 40.4





#59  
2-Hexanone  
Concen: 921.38 ug/l  
RT: 10.985 min Scan# 1541  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

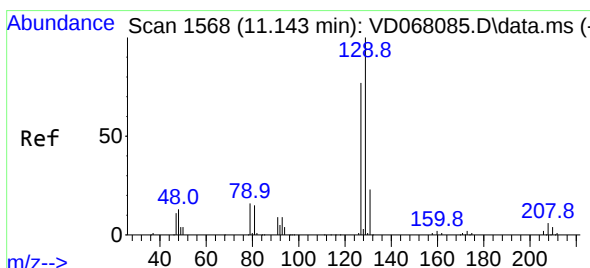
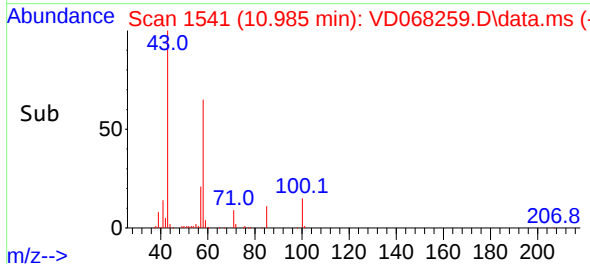
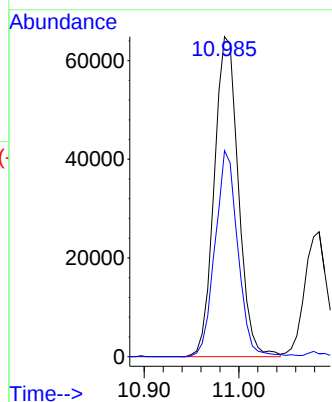
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD



Tgt Ion: 43 Resp: 114822  
Ion Ratio Lower Upper  
43 100  
58 60.9 31.0 93.0

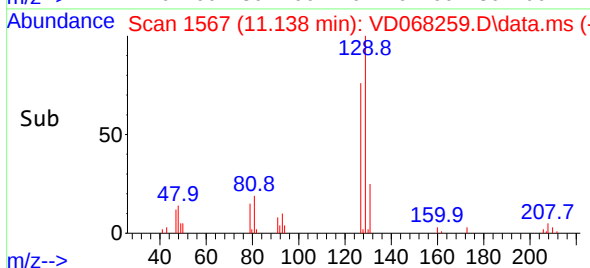
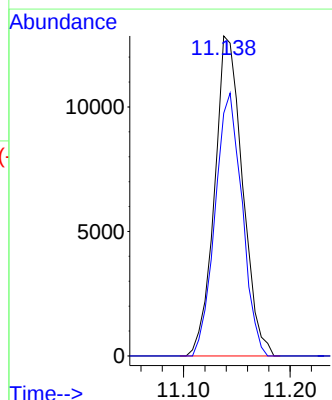
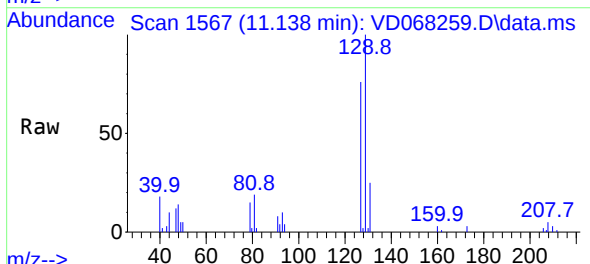
Manual Integrations  
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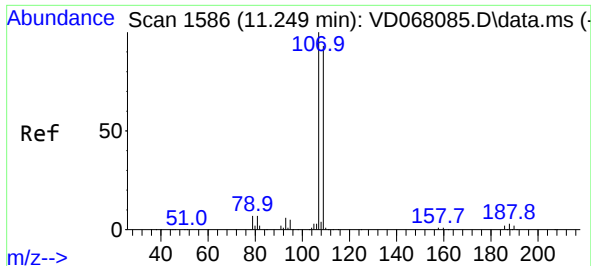
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#60  
Dibromochloromethane  
Concen: 72.45 ug/l  
RT: 11.138 min Scan# 1567  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

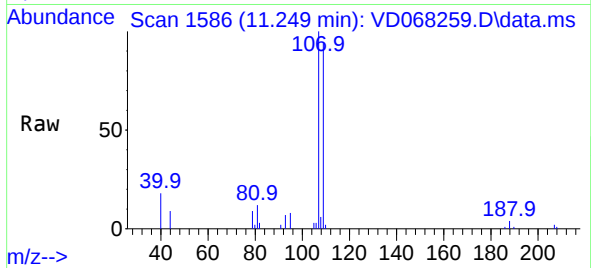
Tgt Ion: 129 Resp: 23433  
Ion Ratio Lower Upper  
129 100  
127 79.1 38.6 116.0





#61  
1,2-Dibromoethane  
Concen: 94.62 ug/l  
RT: 11.249 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

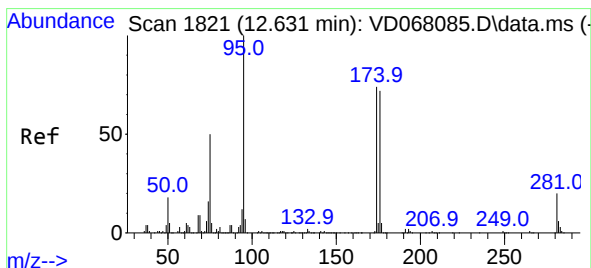
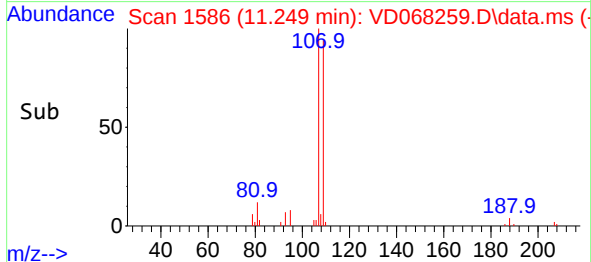
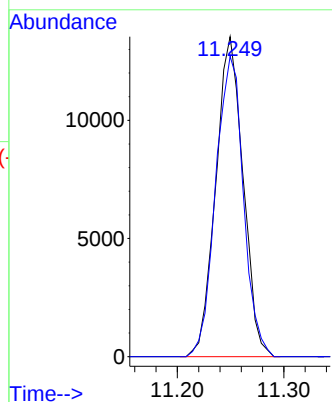
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD



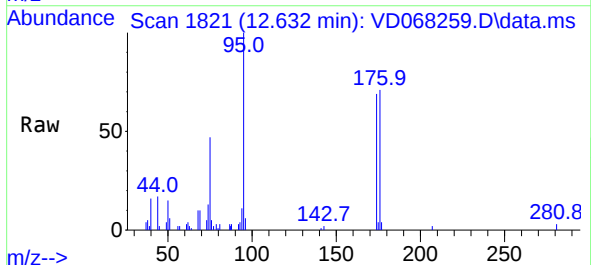
Tgt Ion:107 Resp: 24082  
Ion Ratio Lower Upper  
107 100  
109 95.5 74.8 112.2

Manual Integrations  
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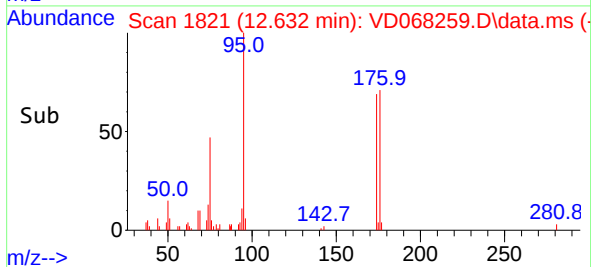
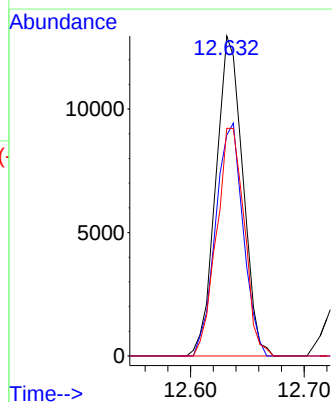
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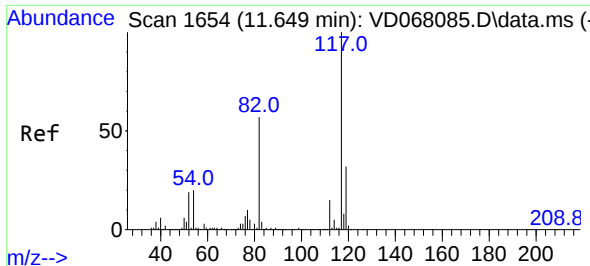


#62  
4-Bromofluorobenzene  
Concen: 51.51 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



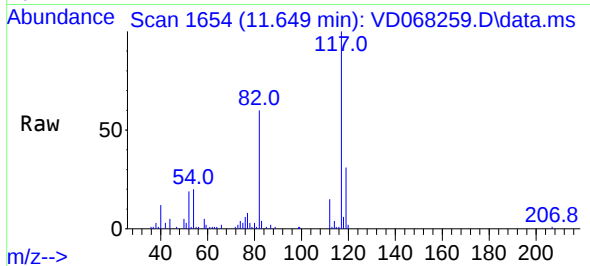
Tgt Ion: 95 Resp: 21343  
Ion Ratio Lower Upper  
95 100  
174 74.6 0.0 172.4  
176 73.3 0.0 168.4





#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.649 min Scan# 1654  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

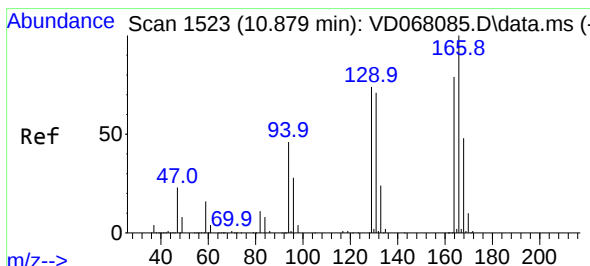
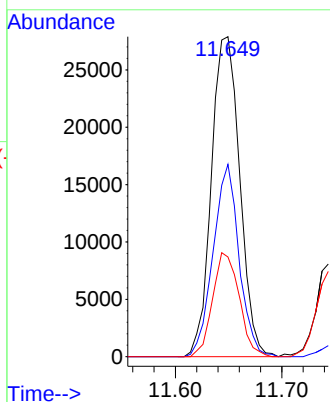
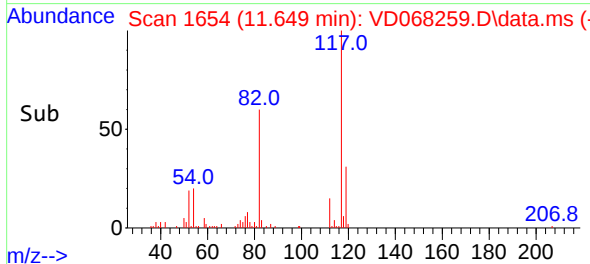
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD



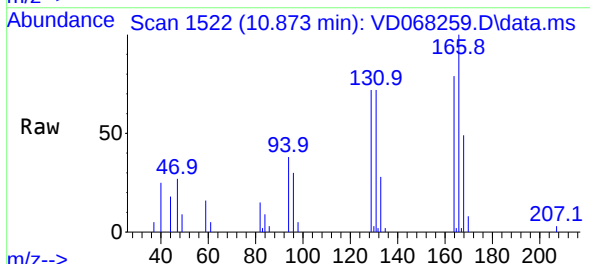
Tgt Ion:117 Resp: 51618  
Ion Ratio Lower Upper  
117 100  
82 60.1 41.4 62.0  
119 31.2 26.1 39.1

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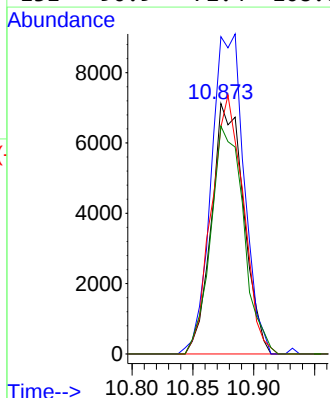
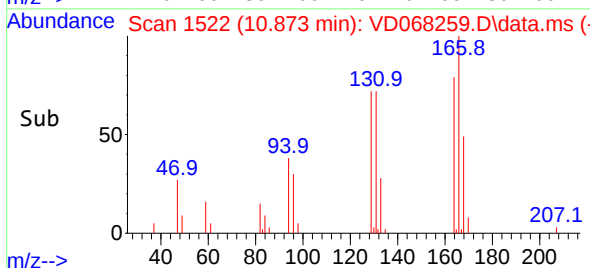
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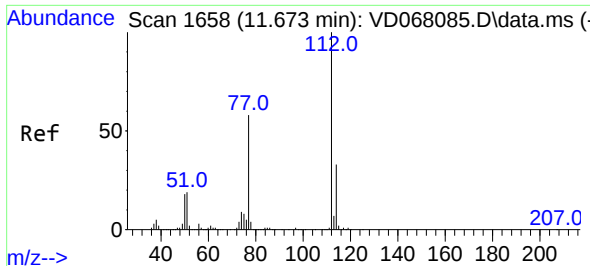


#64  
Tetrachloroethene  
Concen: 35.99 ug/l  
RT: 10.873 min Scan# 1522  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



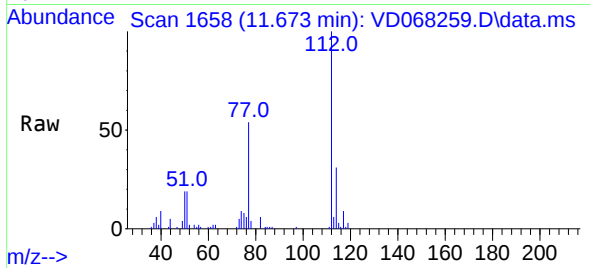
Tgt Ion:164 Resp: 13094  
Ion Ratio Lower Upper  
164 100  
166 126.7 105.5 158.3  
129 90.6 75.6 113.4  
131 90.9 72.4 108.6





#65  
Chlorobenzene  
Concen: 46.53 ug/l  
RT: 11.673 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

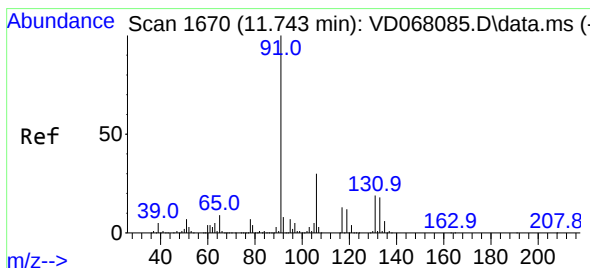
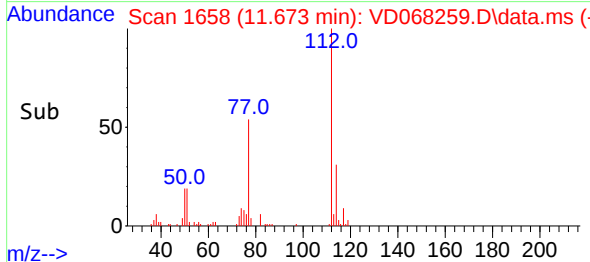
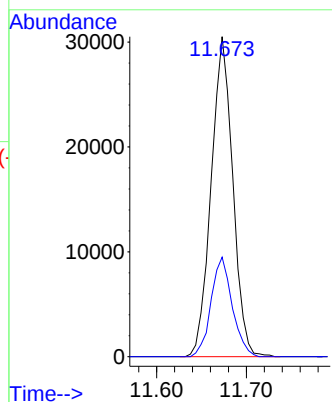
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD



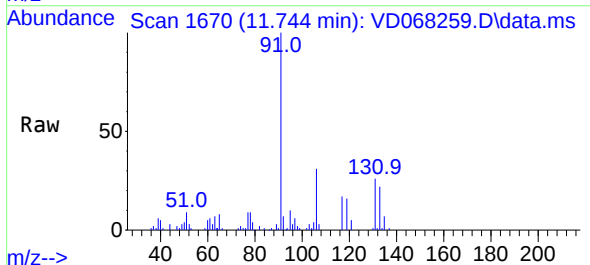
Tgt Ion:112 Resp: 51029  
Ion Ratio Lower Upper  
112 100  
114 31.1 25.7 38.5

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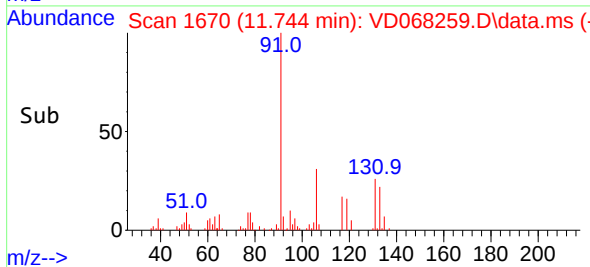
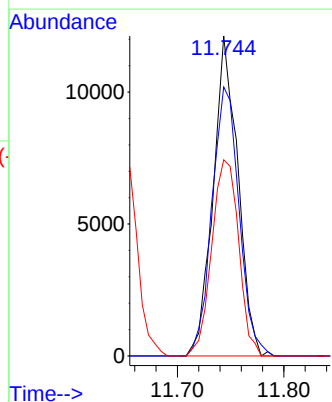
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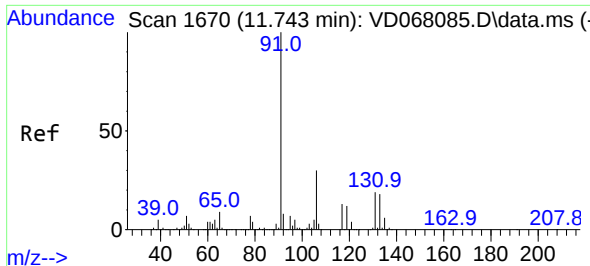


#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.67 ug/l  
RT: 11.744 min Scan# 1670  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



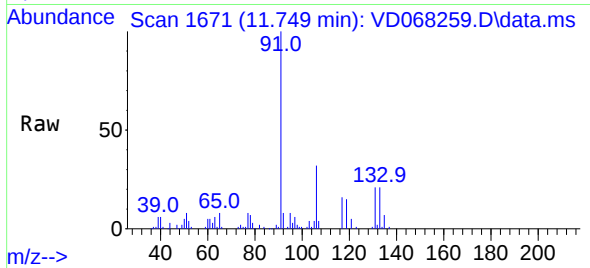
Tgt Ion:131 Resp: 19548  
Ion Ratio Lower Upper  
131 100  
133 92.1 48.1 144.4  
119 66.6 31.6 94.8





#67  
Ethyl Benzene  
Concen: 38.52 ug/l  
RT: 11.749 min Scan# 1671  
Delta R.T. 0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

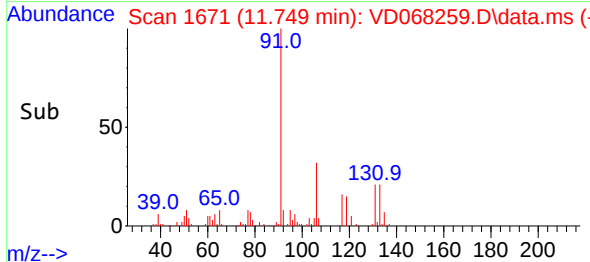
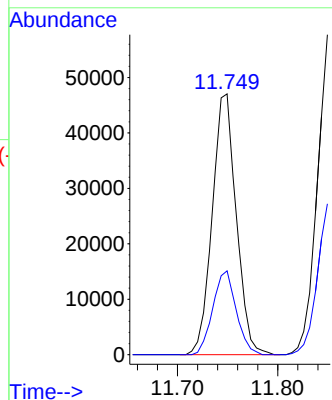
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD



Tgt Ion: 91 Resp: 78218  
Ion Ratio Lower Upper  
91 100  
106 32.1 25.9 38.9

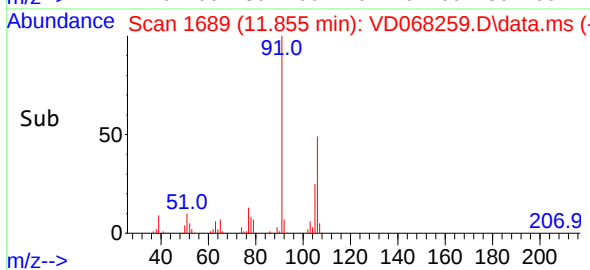
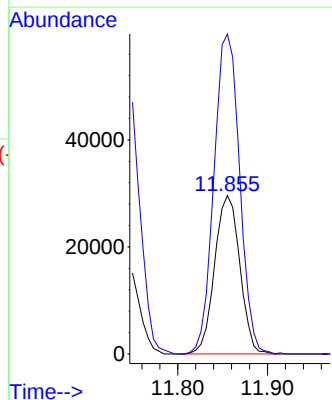
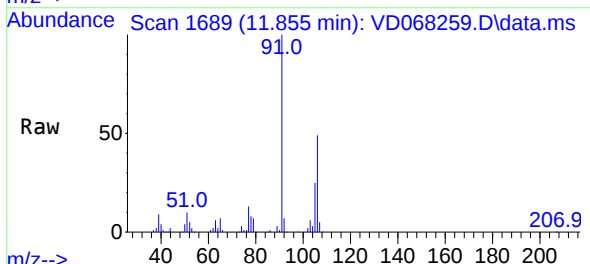
Manual Integrations  
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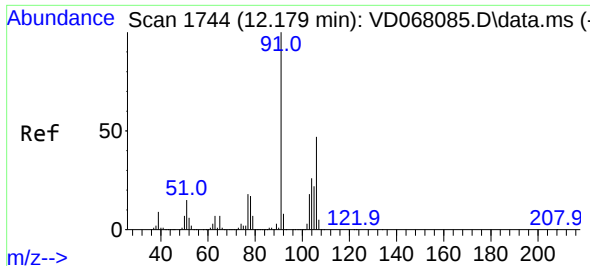
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#68  
m/p-Xylenes  
Concen: 75.11 ug/l  
RT: 11.855 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

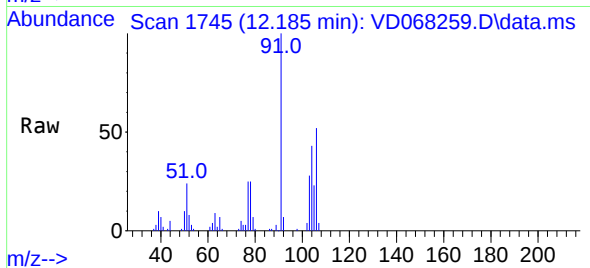
Tgt Ion: 106 Resp: 57585  
Ion Ratio Lower Upper  
106 100  
91 206.5 159.1 238.7





#69  
o-Xylene  
Concen: 44.79 ug/l  
RT: 12.185 min Scan# 1745  
Delta R.T. 0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

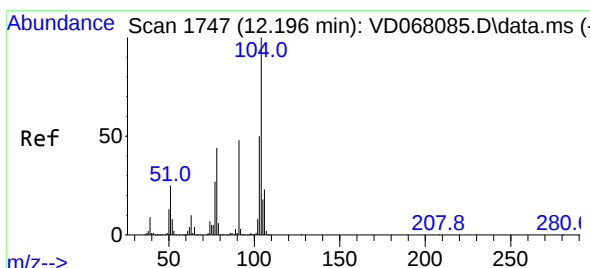
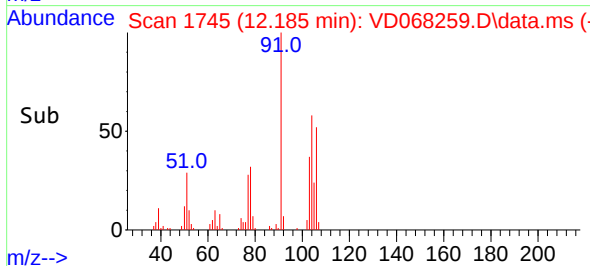
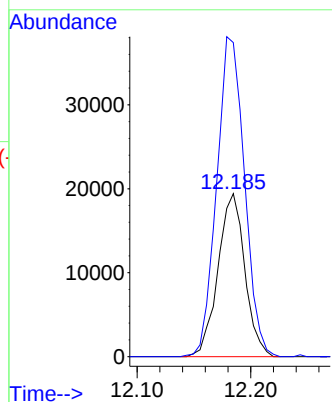
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD



Tgt Ion:106 Resp: 31889  
Ion Ratio Lower Upper  
106 100  
91 203.3 108.7 325.9

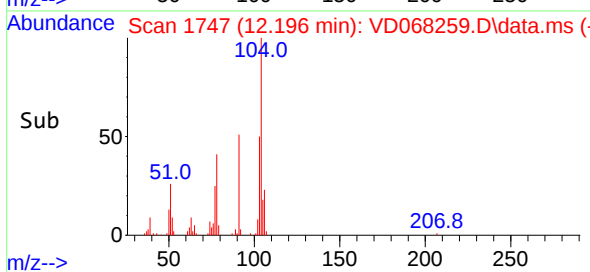
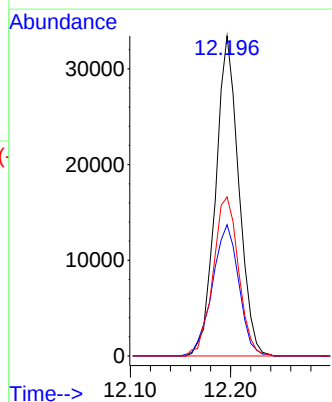
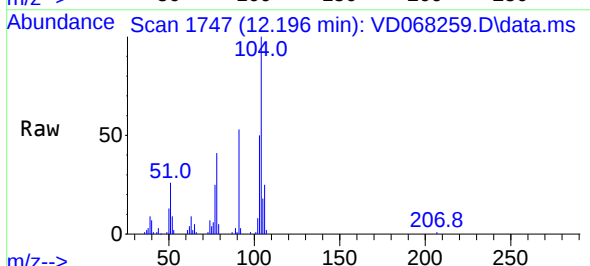
Manual Integrations  
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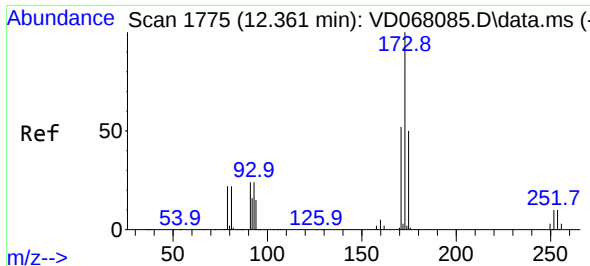
MMDadoda  
2/4/2021 10:35:27 AM



#70  
Styrene  
Concen: 44.09 ug/l  
RT: 12.196 min Scan# 1747  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion:104 Resp: 53586  
Ion Ratio Lower Upper  
104 100  
78 46.9 38.2 57.2  
103 54.7 43.1 64.7





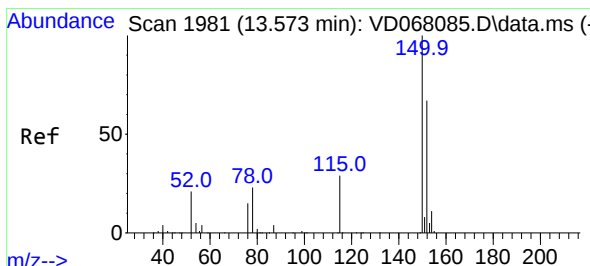
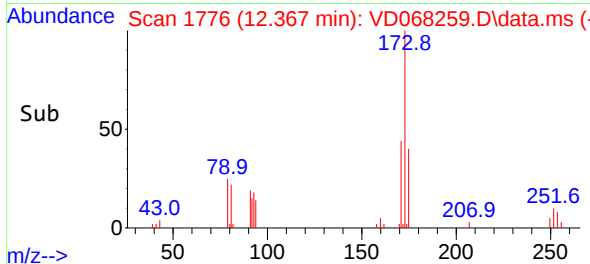
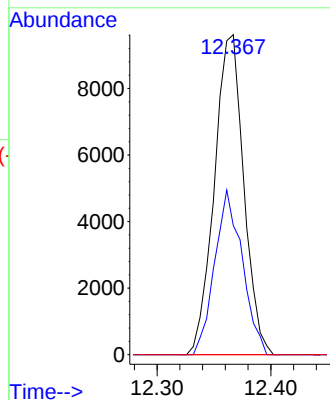
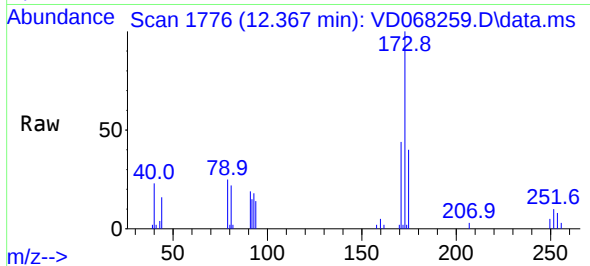
#71  
Bromoform  
Concen: 88.39 ug/l  
RT: 12.367 min Scan# 1776  
Delta R.T. 0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion:173 Resp: 17284  
Ion Ratio Lower Upper  
173 100  
175 48.3 24.6 73.8  
254 0.0 0.0 0.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

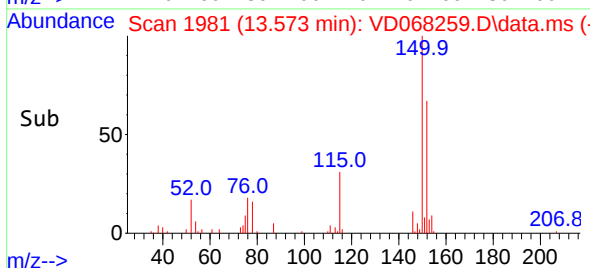
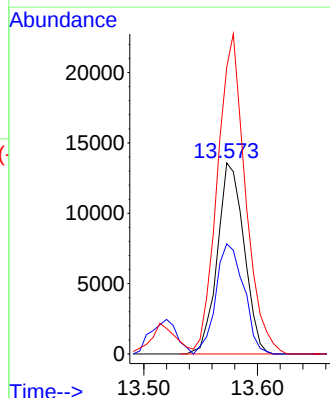
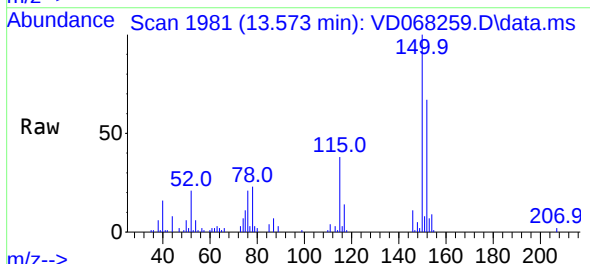
Manual Integrations  
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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

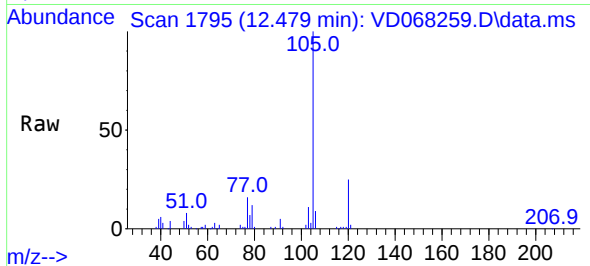
Tgt Ion:152 Resp: 22112  
Ion Ratio Lower Upper  
152 100  
115 60.5 28.9 86.8  
150 175.9 0.0 344.4





#73  
Isopropylbenzene  
Concen: 37.19 ug/l  
RT: 12.479 min Scan# 1795  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

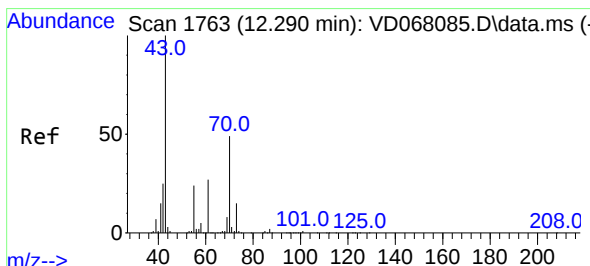
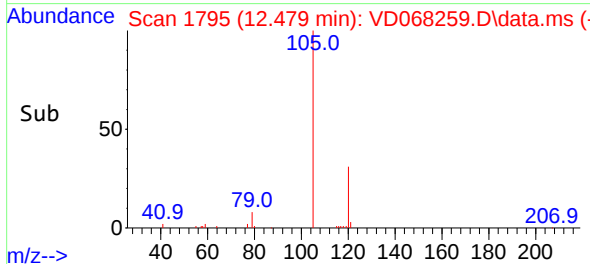
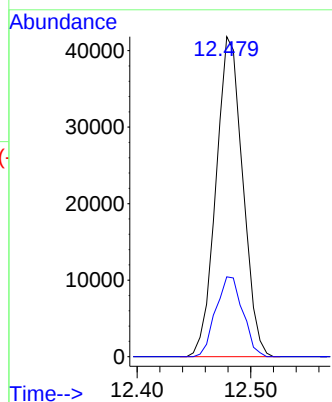
Instrument :  
MSVOA\_D  
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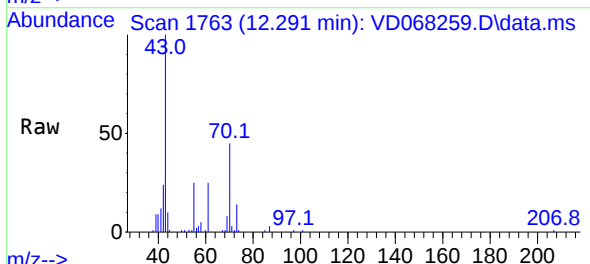
Tgt Ion: 105 Resp: 68434  
Ion Ratio Lower Upper  
105 100  
120 25.2 13.2 39.6

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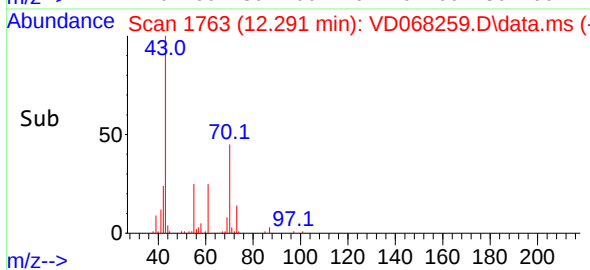
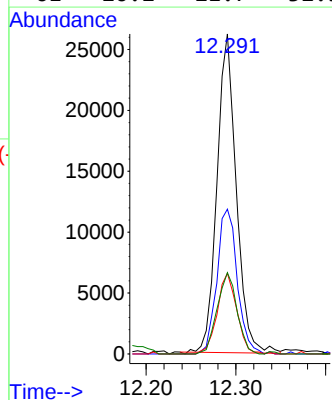
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#74  
N-ethyl acetate  
Concen: 102.21 ug/l  
RT: 12.291 min Scan# 1763  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

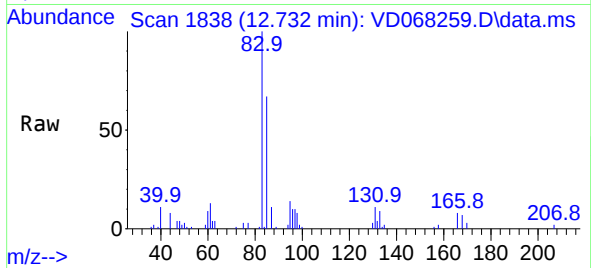


Tgt Ion: 43 Resp: 39089  
Ion Ratio Lower Upper  
43 100  
70 48.0 41.8 62.8  
55 25.7 24.2 36.4  
61 26.2 21.7 32.5

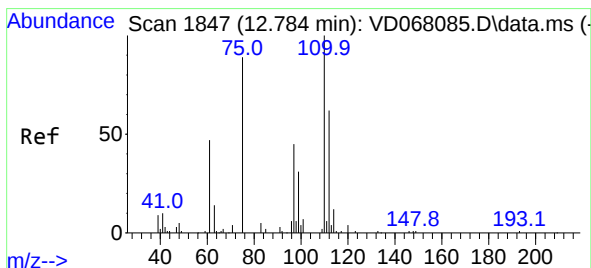
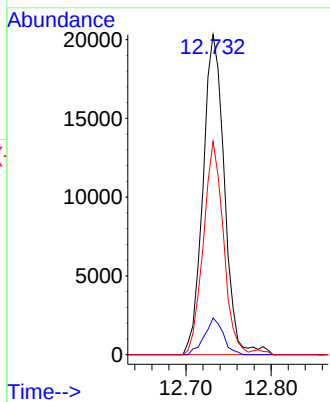
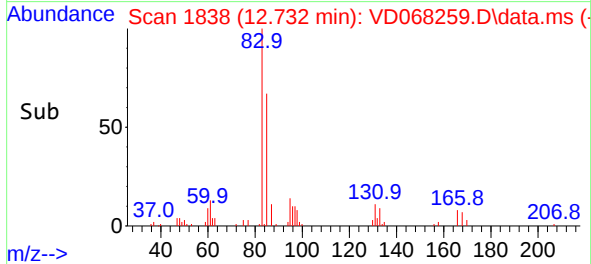




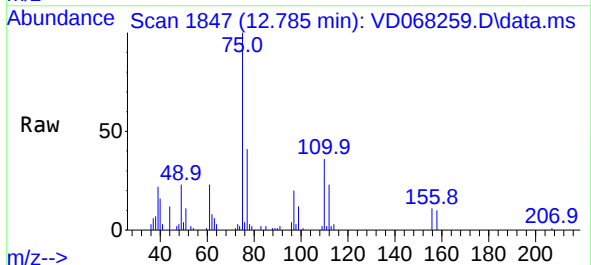
#75  
1,1,2,2-Tetrachloroethane  
Concen: 121.03 ug/l  
RT: 12.732 min Scan# 1838  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



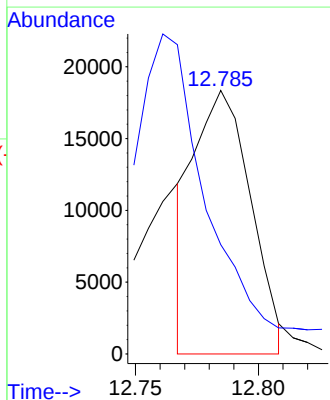
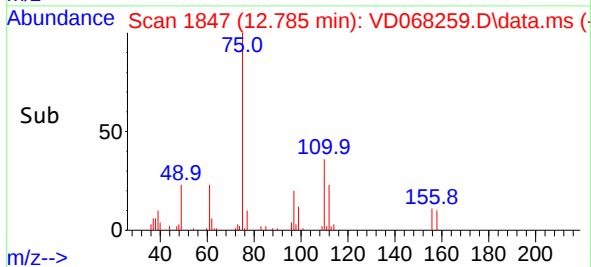
Tgt Ion: 83 Resp: 35420  
Ion Ratio Lower Upper  
83 100  
131 10.1 5.8 17.4  
85 62.6 32.4 97.2



#76  
1,2,3-Trichloropropane  
Concen: 138.49 ug/l m  
RT: 12.785 min Scan# 1847  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



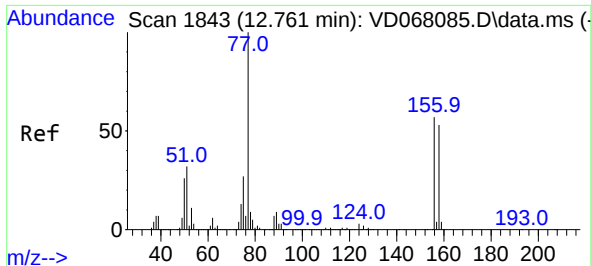
Tgt Ion: 75 Resp: 29608  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



Instrument :  
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#77  
Bromobenzene  
Concen: 51.40 ug/l  
RT: 12.761 min Scan# 1843  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

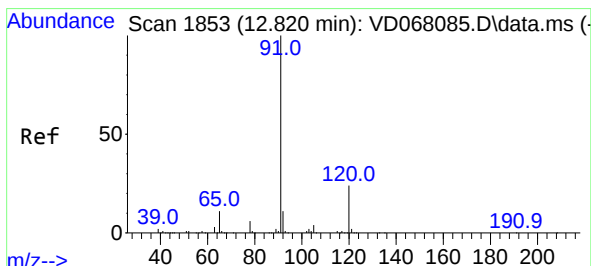
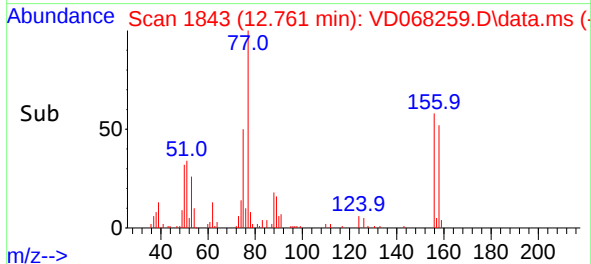
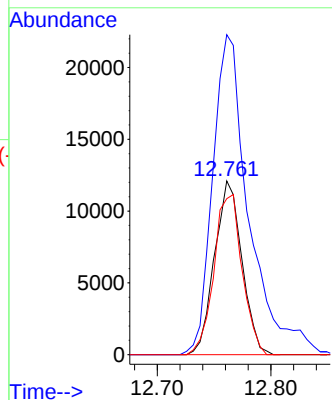
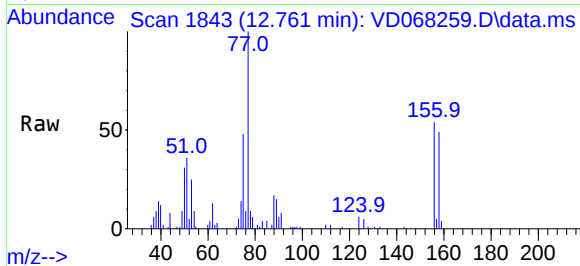
Tgt Ion: 156 Resp: 20277  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 156 | 100   |       |       |
| 77  | 243.5 | 82.8  | 248.3 |
| 158 | 94.8  | 48.0  | 144.0 |

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

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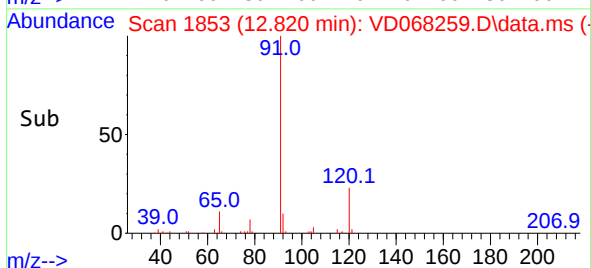
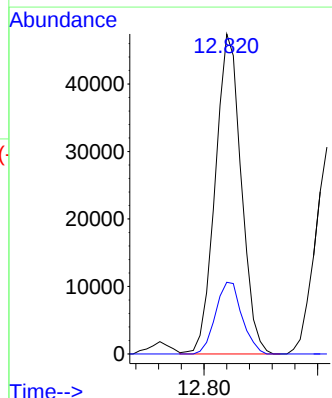
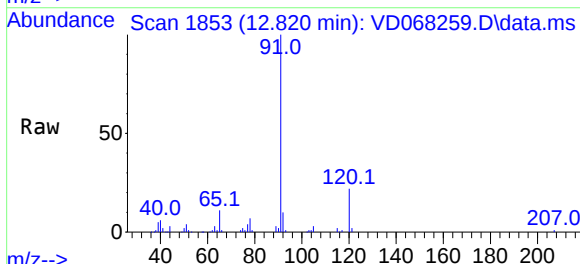
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#78  
n-propylbenzene  
Concen: 34.56 ug/l  
RT: 12.820 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 91 Resp: 75231  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 120 | 22.8  | 12.0  | 36.0  |





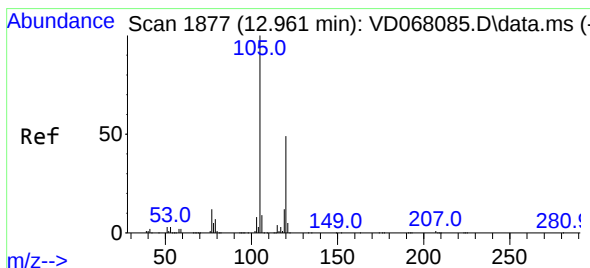
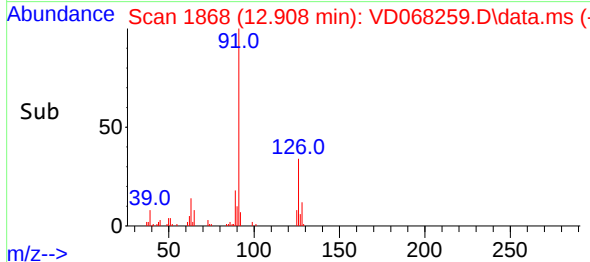
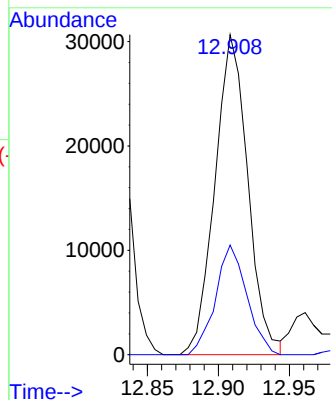
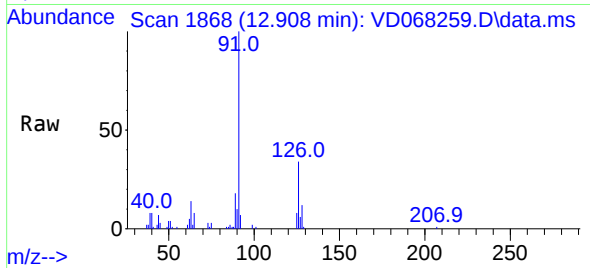
#79  
2-Chlorotoluene  
Concen: 40.42 ug/l  
RT: 12.908 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

Tgt Ion: 91 Resp: 49400  
Ion Ratio Lower Upper  
91 100  
126 32.7 17.8 53.5

Instrument :  
MSVOA\_D  
ClientSampleId :  
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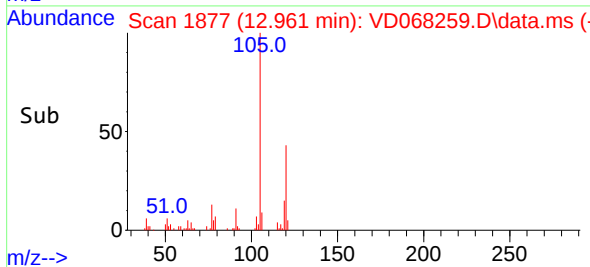
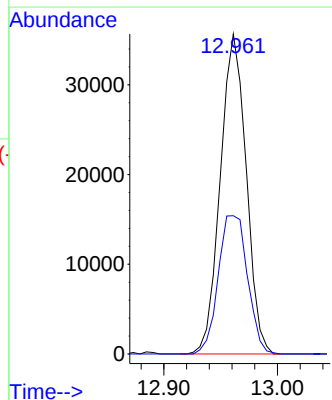
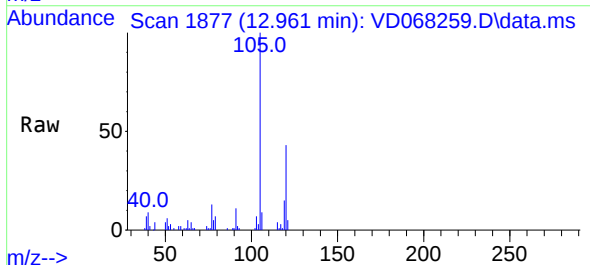
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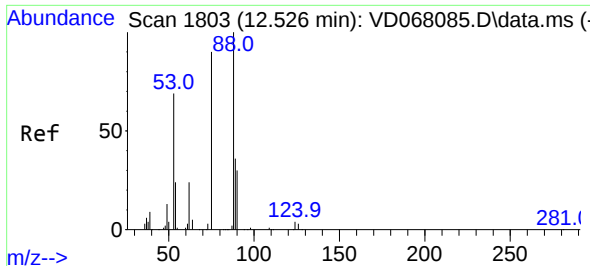
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#80  
1,3,5-Trimethylbenzene  
Concen: 36.87 ug/l  
RT: 12.961 min Scan# 1877  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

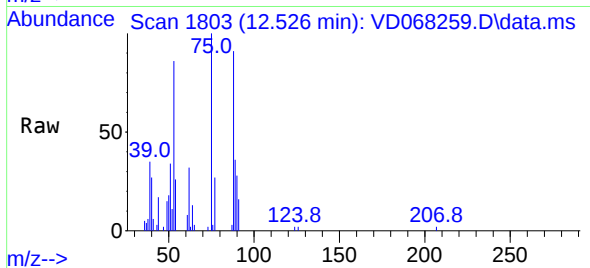
Tgt Ion:105 Resp: 56496  
Ion Ratio Lower Upper  
105 100  
120 48.9 24.2 72.6





#81  
trans-1,4-Dichloro-2-butene  
Concen: 110.79 ug/l  
RT: 12.526 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

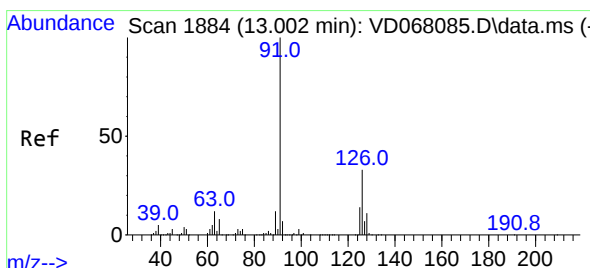
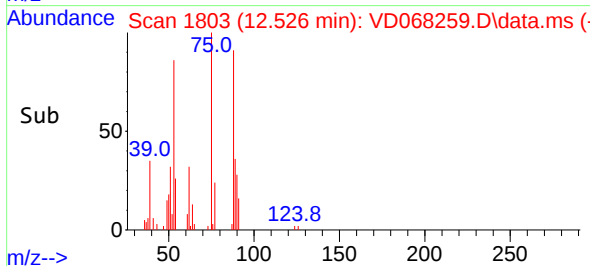
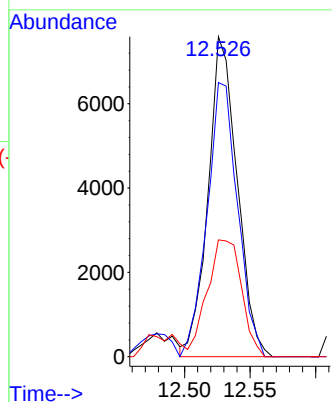
Instrument :  
MSVOA\_D  
ClientSampleId :  
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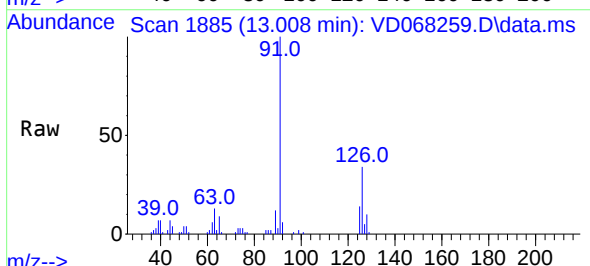
Tgt Ion: 75 Resp: 11706  
Ion Ratio Lower Upper  
75 100  
53 90.0 70.2 105.2  
89 42.9 40.3 60.5

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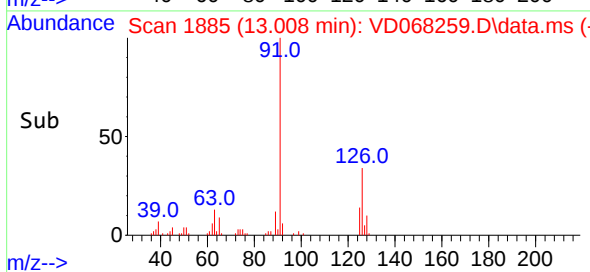
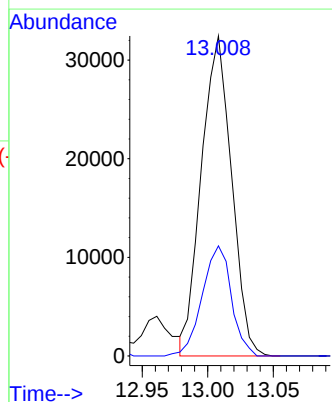
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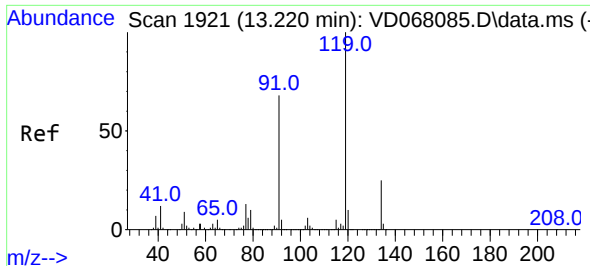


#82  
4-Chlorotoluene  
Concen: 40.90 ug/l  
RT: 13.008 min Scan# 1885  
Delta R.T. 0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



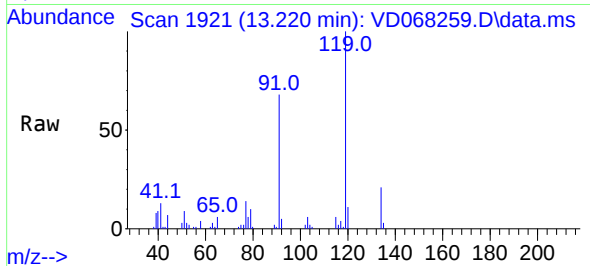
Tgt Ion: 91 Resp: 51984  
Ion Ratio Lower Upper  
91 100  
126 33.2 17.7 53.1





#83  
tert-Butylbenzene  
Concen: 33.98 ug/l  
RT: 13.220 min Scan# 1921  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

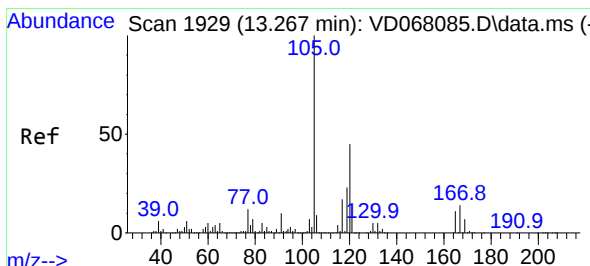
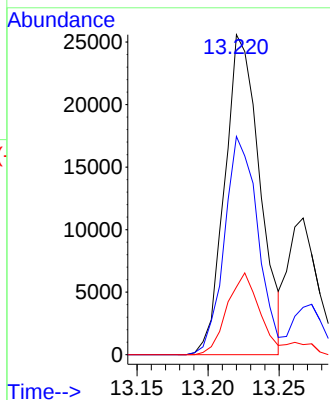
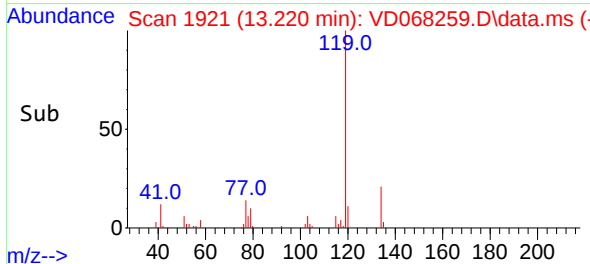
Instrument :  
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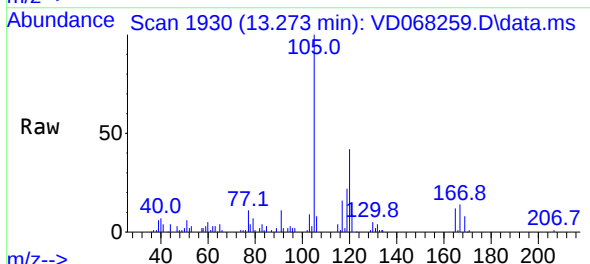
Tgt Ion:119 Resp: 44123  
Ion Ratio Lower Upper  
119 100  
91 64.7 31.1 93.5  
134 24.1 13.3 39.8

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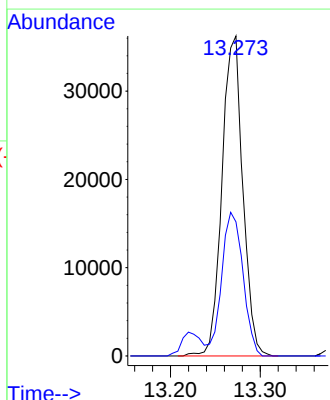
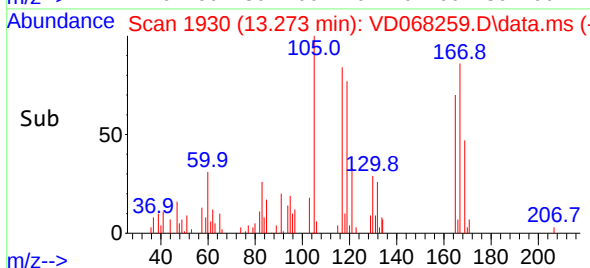
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#84  
1,2,4-Trimethylbenzene  
Concen: 38.38 ug/l  
RT: 13.273 min Scan# 1930  
Delta R.T. 0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



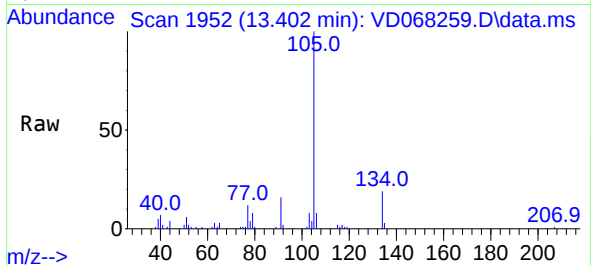
Tgt Ion:105 Resp: 58377  
Ion Ratio Lower Upper  
105 100  
120 46.2 22.4 67.0





#85  
 sec-Butylbenzene  
 Concen: 29.47 ug/l  
 RT: 13.402 min Scan# 1952  
 Delta R.T. 0.000 min  
 Lab File: VD068259.D  
 Acq: 03 Feb 2021 13:39

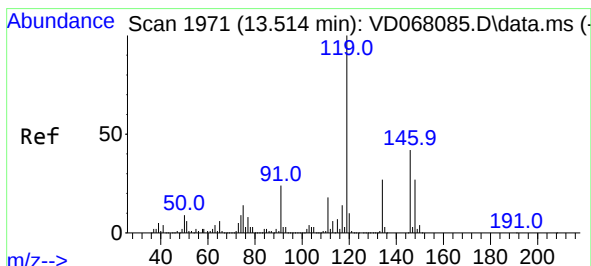
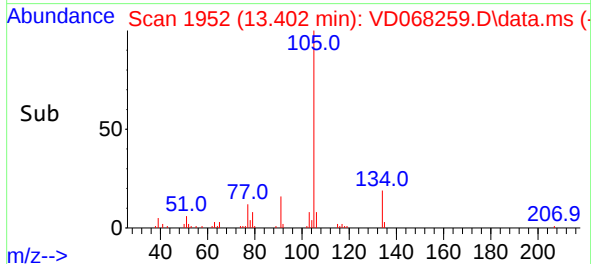
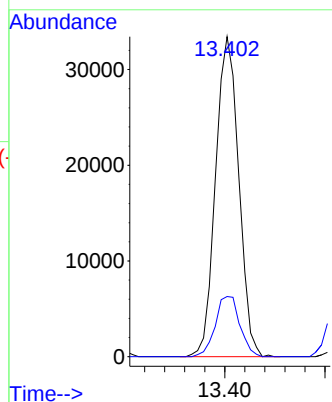
Instrument :  
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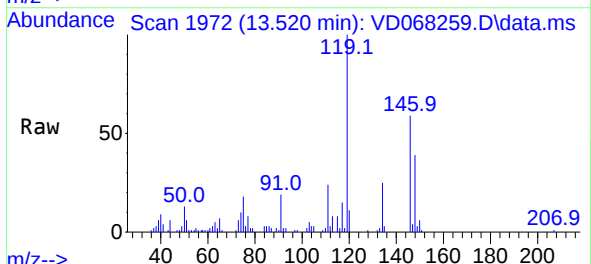
Tgt Ion:105 Resp: 53530  
 Ion Ratio Lower Upper  
 105 100  
 134 20.0 10.3 30.9

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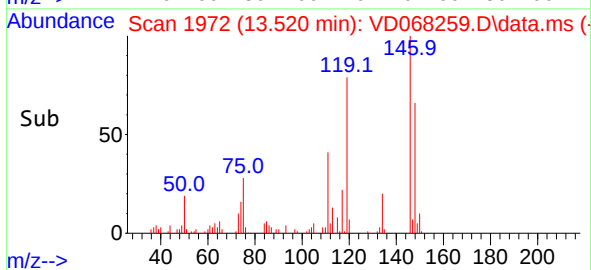
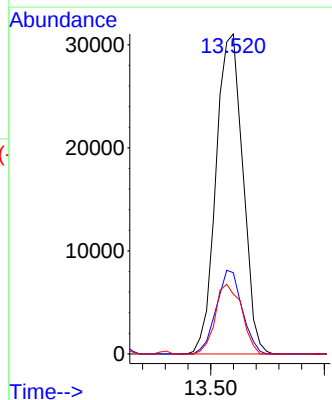
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#86  
 p-Isopropyltoluene  
 Concen: 30.86 ug/l  
 RT: 13.520 min Scan# 1972  
 Delta R.T. 0.006 min  
 Lab File: VD068259.D  
 Acq: 03 Feb 2021 13:39



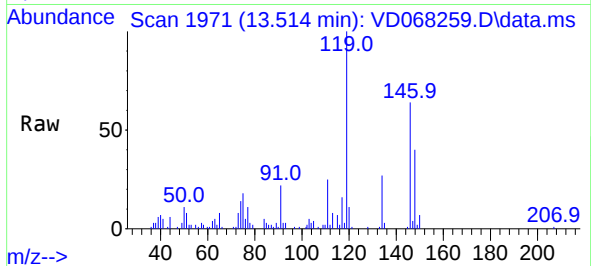
Tgt Ion:119 Resp: 50988  
 Ion Ratio Lower Upper  
 119 100  
 134 25.2 12.9 38.7  
 91 21.5 11.7 35.0





#87  
1,3-Dichlorobenzene  
Concen: 41.91 ug/l  
RT: 13.514 min Scan# 1971  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

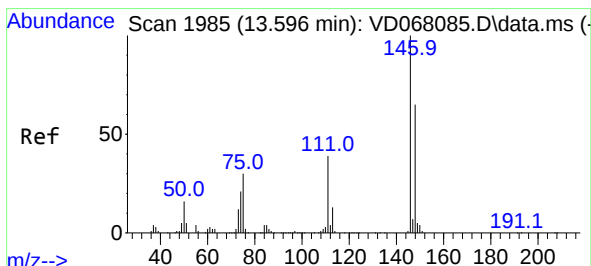
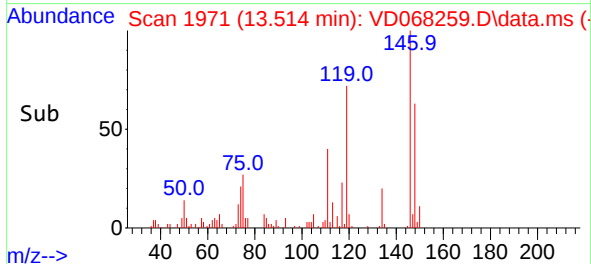
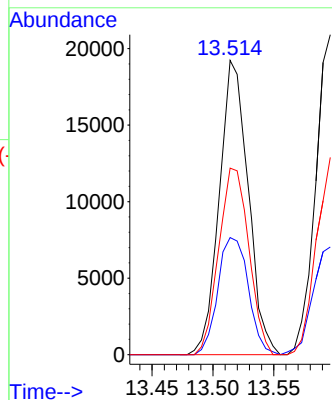
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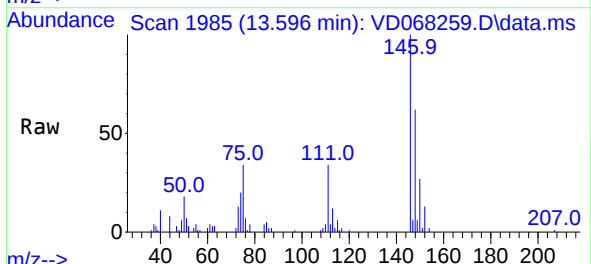
Tgt Ion:146 Resp: 31789  
Ion Ratio Lower Upper  
146 100  
111 41.9 19.5 58.5  
148 66.1 31.6 95.0

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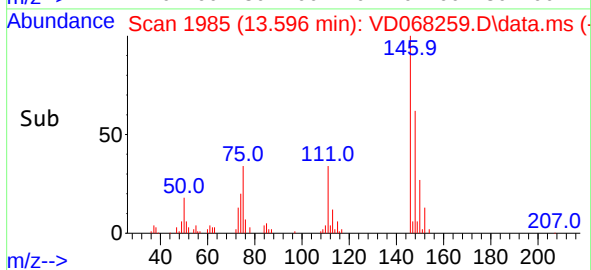
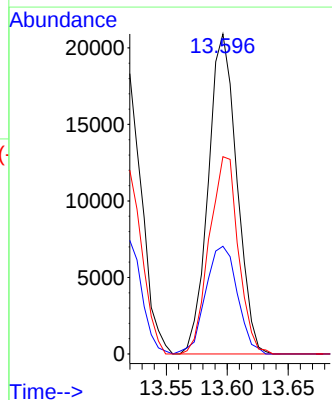
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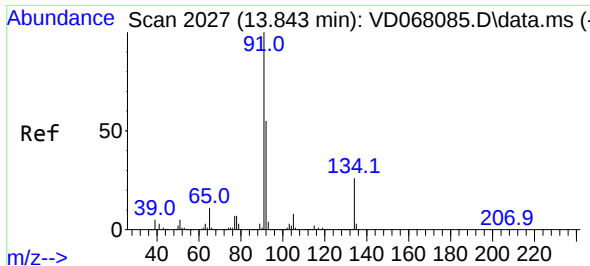


#88  
1,4-Dichlorobenzene  
Concen: 45.69 ug/l  
RT: 13.596 min Scan# 1985  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



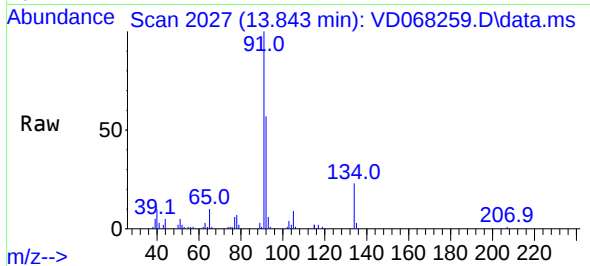
Tgt Ion:146 Resp: 34144  
Ion Ratio Lower Upper  
146 100  
111 37.5 19.1 57.1  
148 62.7 31.9 95.7





#89  
n-Butylbenzene  
Concen: 25.82 ug/l  
RT: 13.843 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

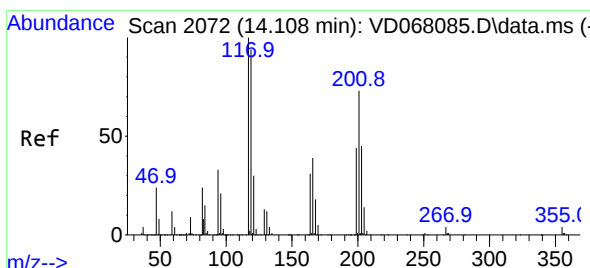
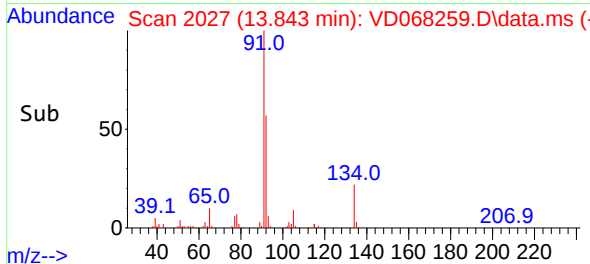
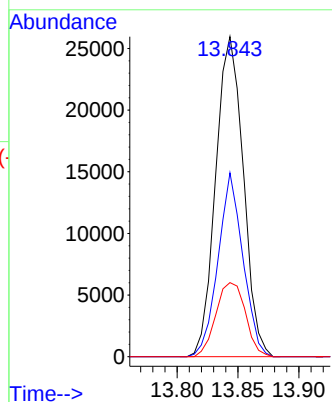
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD



Tgt Ion: 91 Resp: 40928  
Ion Ratio Lower Upper  
91 100  
92 51.9 27.2 81.6  
134 24.8 13.9 41.7

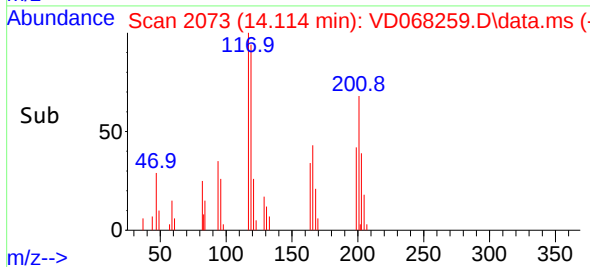
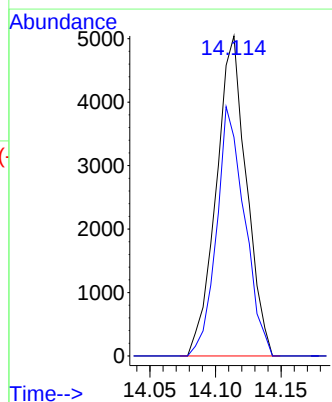
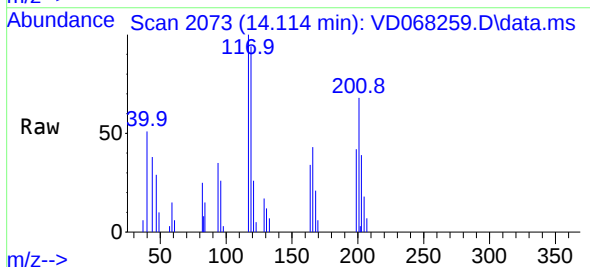
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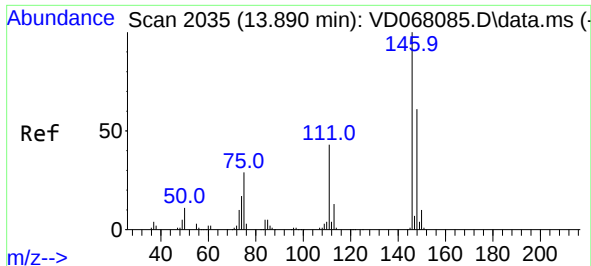
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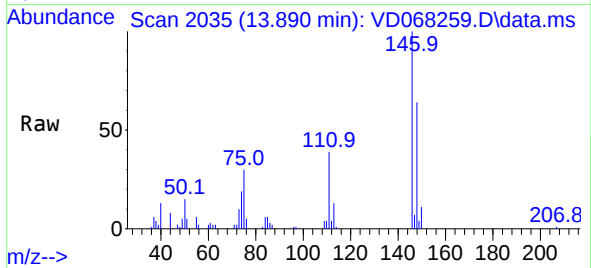
#90  
Hexachloroethane  
Concen: 27.08 ug/l  
RT: 14.114 min Scan# 2073  
Delta R.T. 0.006 min  
Lab File: VD068259.D  
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Tgt Ion: 117 Resp: 8081  
Ion Ratio Lower Upper  
117 100  
201 72.2 39.5 118.5

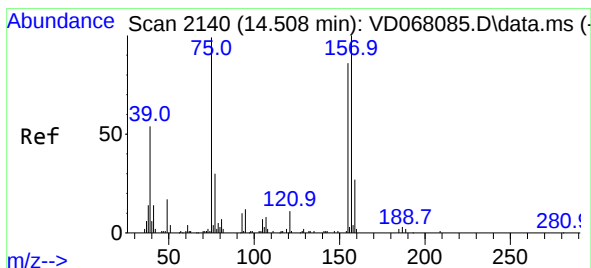
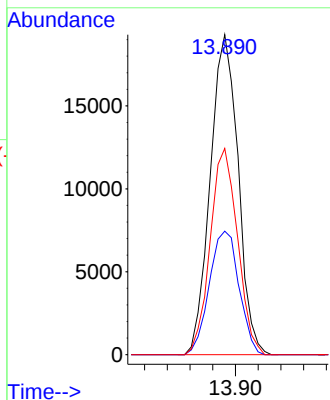
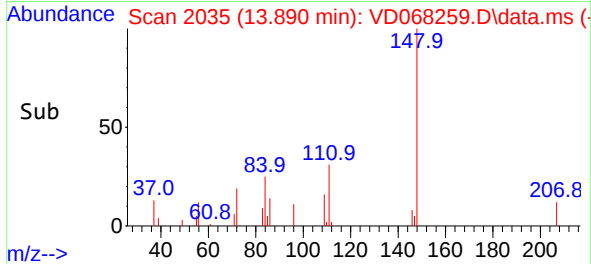




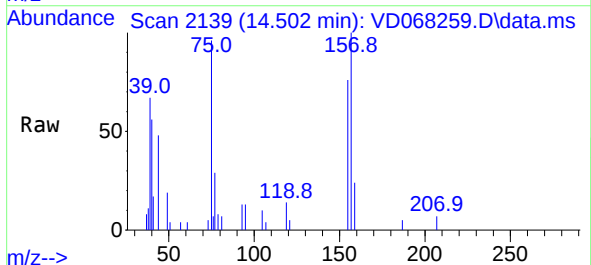
#91  
1,2-Dichlorobenzene  
Concen: 50.58 ug/l  
RT: 13.890 min Scan# 2035  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



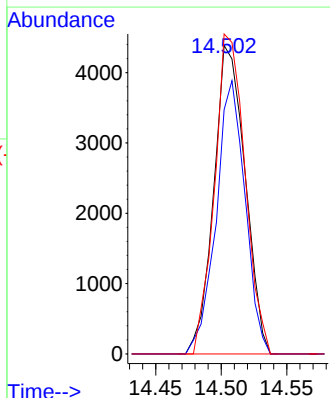
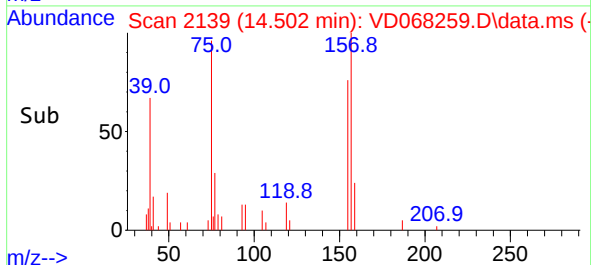
Tgt Ion:146 Resp: 32858  
Ion Ratio Lower Upper  
146 100  
111 41.2 20.3 60.9  
148 63.4 31.7 95.1



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 151.91 ug/l  
RT: 14.502 min Scan# 2139  
Delta R.T. -0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39



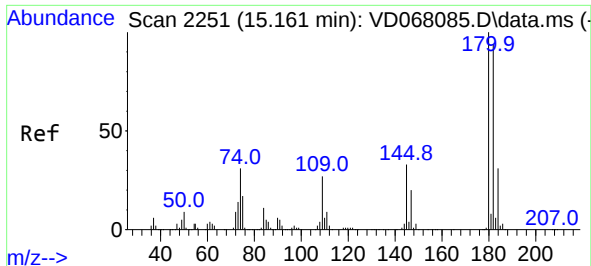
Tgt Ion: 75 Resp: 7276  
Ion Ratio Lower Upper  
75 100  
155 81.9 48.0 144.2  
157 101.0 65.0 194.8



Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

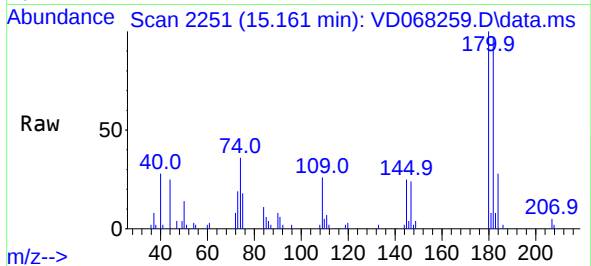
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#93  
1,2,4-Trichlorobenzene  
Concen: 36.26 ug/l  
RT: 15.161 min Scan# 2251  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

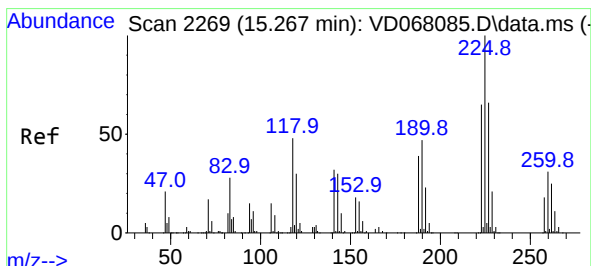
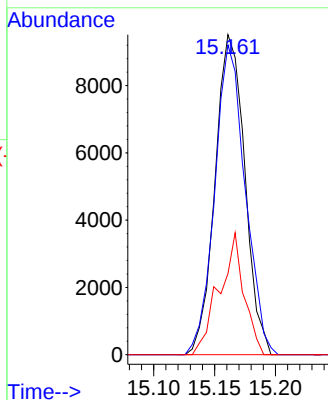
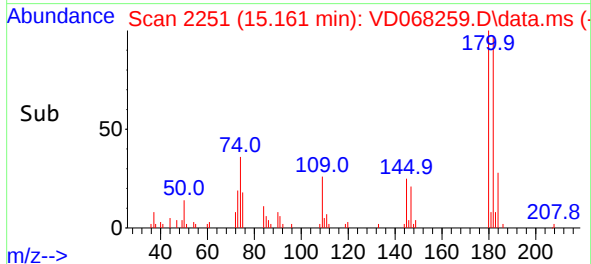
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD



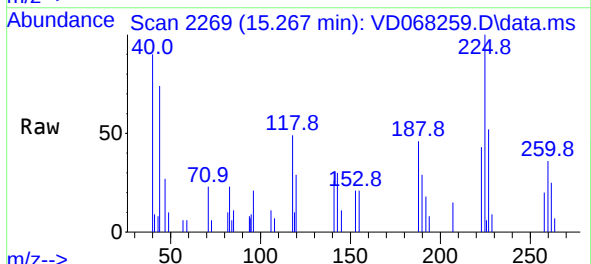
Tgt Ion:180 Resp: 16148  
Ion Ratio Lower Upper  
180 100  
182 99.3 46.8 140.4  
145 31.7 15.2 45.5

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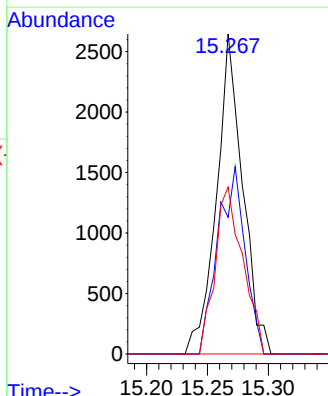
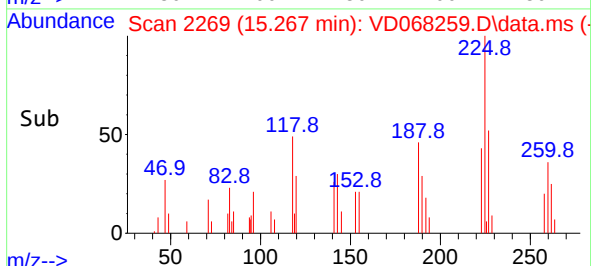
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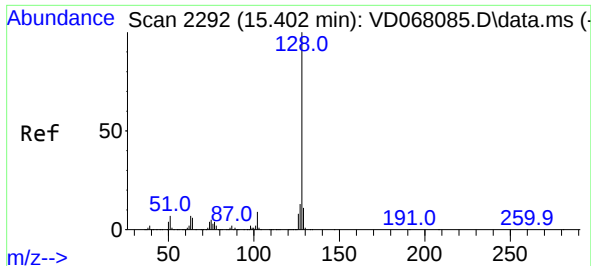


#94  
Hexachlorobutadiene  
Concen: 16.03 ug/l  
RT: 15.267 min Scan# 2269  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
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Tgt Ion:225 Resp: 3957  
Ion Ratio Lower Upper  
225 100  
223 60.9 31.9 95.5  
227 55.1 32.1 96.5





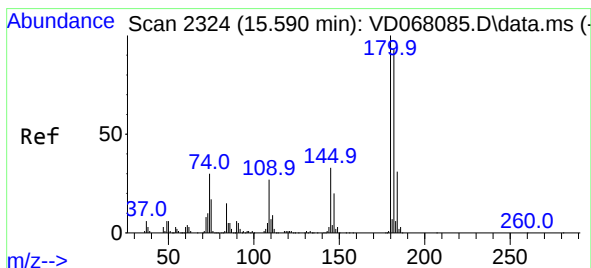
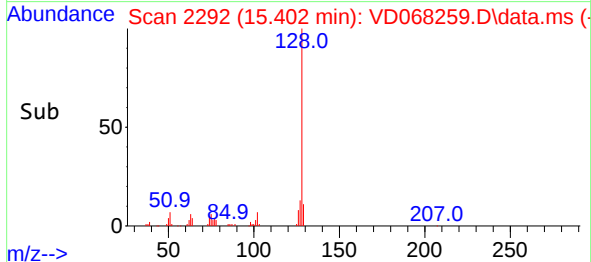
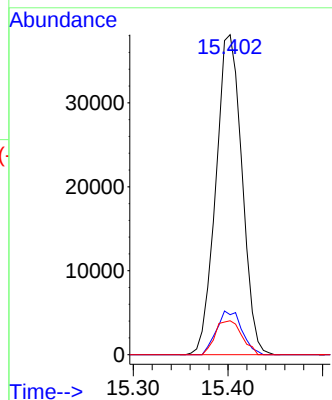
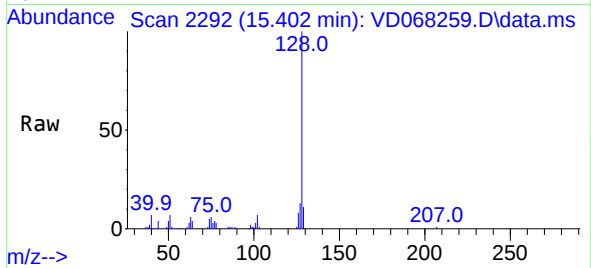
#95  
Naphthalene  
Concen: 87.31 ug/l  
RT: 15.402 min Scan# 2292  
Delta R.T. 0.000 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 72909 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.3  | 10.2  | 15.2  |
| 129       | 10.8  | 8.8   | 13.2  |

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

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#96  
1,2,3-Trichlorobenzene  
Concen: 41.26 ug/l  
RT: 15.596 min Scan# 2325  
Delta R.T. 0.006 min  
Lab File: VD068259.D  
Acq: 03 Feb 2021 13:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 15500 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 99.1  | 48.3  | 144.8 |
| 145       | 35.4  | 16.7  | 50.1  |

