

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020421\  
 Data File : VD068289.D  
 Acq On : 04 Feb 2021 20:56  
 Operator : VA/SY  
 Sample : M1292-03MSD  
 Misc : 5.17G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Feb 05 00:07:23 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  | 48001    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.867  | 114  | 105433   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.644 | 117  | 105108   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.573 | 152  | 41542    | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 42736    | 93.07    | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 186.14%# |      |
| 35) Dibromofluoromethane    | 7.914  | 113   | 33316    | 57.16    | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 114.32%  |      |
| 50) Toluene-d8              | 10.344 | 98    | 103263   | 44.29    | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 88.58%   |      |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 41248    | 49.13    | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 98.26%   |      |

|                              |       |     |        |         |           |
|------------------------------|-------|-----|--------|---------|-----------|
| Target Compounds             |       |     |        |         | Qvalue    |
| 2) Dichlorodifluoromethane   | 1.991 | 85  | 17737  | 31.11   | ug/l 96   |
| 3) Chloromethane             | 2.209 | 50  | 36213  | 58.97   | ug/l 95   |
| 4) Vinyl Chloride            | 2.350 | 62  | 31751  | 46.49   | ug/l 97   |
| 5) Bromomethane              | 2.750 | 94  | 31855  | 68.01   | ug/l 94   |
| 6) Chloroethane              | 2.920 | 64  | 26479  | 63.46   | ug/l 91   |
| 7) Trichlorofluoromethane    | 3.273 | 101 | 34779  | 38.79   | ug/l 94   |
| 8) Diethyl Ether             | 3.709 | 74  | 27458  | 104.02  | ug/l 97   |
| 9) 1,1,2-Trichlorotrifluo... | 4.103 | 101 | 19786  | 37.84   | ug/l 95   |
| 10) Methyl Iodide            | 4.303 | 142 | 23715  | 41.04   | ug/l 93   |
| 11) Tert butyl alcohol       | 5.232 | 59  | 39455  | 1205.09 | ug/l # 94 |
| 12) 1,1-Dichloroethene       | 4.073 | 96  | 23459  | 44.61   | ug/l 91   |
| 13) Acrolein                 | 3.920 | 56  | 31338  | 866.04  | ug/l 98   |
| 14) Allyl chloride           | 4.709 | 41  | 49261  | 64.40   | ug/l # 87 |
| 15) Acrylonitrile            | 5.420 | 53  | 128958 | 1233.34 | ug/l 99   |
| 16) Acetone                  | 4.156 | 43  | 105686 | 1289.02 | ug/l 95   |
| 17) Carbon Disulfide         | 4.409 | 76  | 73532  | 43.41   | ug/l 97   |
| 18) Methyl Acetate           | 4.720 | 43  | 80218  | 376.97  | ug/l 92   |
| 19) Methyl tert-butyl Ether  | 5.473 | 73  | 132412 | 108.91  | ug/l 94   |
| 20) Methylene Chloride       | 4.967 | 84  | 48453  | 87.69   | ug/l 94   |
| 21) trans-1,2-Dichloroethene | 5.467 | 96  | 32475  | 53.79   | ug/l 94   |
| 22) Diisopropyl ether        | 6.361 | 45  | 127823 | 82.81   | ug/l # 93 |
| 23) Vinyl Acetate            | 6.309 | 43  | 404866 | 492.07  | ug/l 98   |
| 24) 1,1-Dichloroethane       | 6.273 | 63  | 65452  | 65.44   | ug/l 96   |
| 25) 2-Butanone               | 7.214 | 43  | 154285 | 1249.76 | ug/l 93   |
| 26) 2,2-Dichloropropane      | 7.208 | 77  | 44246  | 46.76   | ug/l 98   |
| 27) cis-1,2-Dichloroethene   | 7.214 | 96  | 46630  | 71.14   | ug/l 98   |
| 28) Bromochloromethane       | 7.550 | 49  | 31689  | 93.00   | ug/l # 76 |
| 29) Tetrahydrofuran          | 7.567 | 42  | 100495 | 1255.75 | ug/l 92   |
| 30) Chloroform               | 7.714 | 83  | 72313  | 71.55   | ug/l 100  |
| 31) Cyclohexane              | 7.991 | 56  | 32039  | 32.22   | ug/l 95   |
| 32) 1,1,1-Trichloroethane    | 7.908 | 97  | 45064  | 49.48   | ug/l 96   |
| 36) 1,1-Dichloropropene      | 8.108 | 75  | 36474  | 34.31   | ug/l 98   |
| 37) Ethyl Acetate            | 7.297 | 43  | 61557  | 163.67  | ug/l 97   |
| 38) Carbon Tetrachloride     | 8.097 | 117 | 31896  | 32.05   | ug/l 98   |
| 39) Methylcyclohexane        | 9.355 | 83  | 28127  | 20.23   | ug/l 97   |
| 40) Benzene                  | 8.355 | 78  | 150381 | 50.59   | ug/l 99   |

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 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Feb 05 00:07:23 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         | 7.561  | 41   | 91435    | 402.83  | ug/l # | 31       |
| 42) 1,2-Dichloroethane        | 8.426  | 62   | 62632    | 78.85   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.455  | 43   | 94491    | 120.56  | ug/l   | 93       |
| 44) Trichloroethene           | 9.120  | 130  | 35204    | 43.12   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.391  | 63   | 44449    | 61.06   | ug/l   | 95       |
| 46) Dibromomethane            | 9.473  | 93   | 33313    | 90.31   | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.667  | 83   | 63962    | 64.26   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.461  | 41   | 48860    | 125.25  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.461  | 88   | 21156    | 4894.08 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.232 | 43   | 302156   | 829.33  | ug/l   | 97       |
| 52) Toluene                   | 10.402 | 92   | 89868    | 46.40   | ug/l   | 93       |
| 53) t-1,3-Dichloropropene     | 10.626 | 75   | 69691    | 69.18   | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene   | 10.091 | 75   | 74166    | 61.84   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.802 | 97   | 48449    | 92.68   | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.661 | 69   | 67576    | 97.04   | ug/l # | 93       |
| 57) 1,3-Dichloropropane       | 10.949 | 76   | 82526    | 89.47   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.944  | 63   | 186693   | 580.96  | ug/l   | 91       |
| 59) 2-Hexanone                | 10.985 | 43   | 216207   | 856.10  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.144 | 129  | 51357    | 78.35   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.249 | 107  | 49211    | 95.41   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.879 | 164  | 24359    | 32.88   | ug/l   | 93       |
| 65) Chlorobenzene             | 11.673 | 112  | 104435   | 46.76   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.744 | 131  | 42527    | 54.14   | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.744 | 91   | 158505   | 38.33   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.855 | 106  | 119443   | 76.51   | ug/l   | 99       |
| 69) o-Xylene                  | 12.179 | 106  | 60494    | 41.72   | ug/l   | 99       |
| 70) Styrene                   | 12.196 | 104  | 108350   | 43.78   | ug/l   | 96       |
| 71) Bromoform                 | 12.361 | 173  | 34973    | 87.83   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.479 | 105  | 129179   | 37.37   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.291 | 43   | 66290    | 92.26   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.732 | 83   | 68719    | 124.99  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.785 | 75   | 89460    | 222.72  | ug/l # | 100      |
| 77) Bromobenzene              | 12.761 | 156  | 42349    | 57.14   | ug/l   | 70       |
| 78) n-propylbenzene           | 12.820 | 91   | 144725   | 35.39   | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.908 | 91   | 101171   | 44.06   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.955 | 105  | 108859   | 37.81   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.526 | 75   | 21960    | 110.63  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 13.002 | 91   | 105349   | 44.12   | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.220 | 119  | 77588    | 31.81   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.267 | 105  | 114309   | 40.00   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.402 | 105  | 90505    | 26.52   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.514 | 119  | 84796    | 27.32   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.514 | 146  | 61463    | 43.13   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.591 | 146  | 66218    | 47.17   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.843 | 91   | 64320    | 21.59   | ug/l   | 97       |
| 90) Hexachloroethane          | 14.108 | 117  | 14924    | 26.62   | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 13.890 | 146  | 65836    | 53.94   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.502 | 75   | 13834    | 153.74  | ug/l   | 82       |
| 93) 1,2,4-Trichlorobenzene    | 15.161 | 180  | 25665    | 30.67   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.261 | 225  | 4591     | 9.90    | ug/l   | 93       |
| 95) Naphthalene               | 15.396 | 128  | 129503   | 82.55   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.596 | 180  | 24559    | 34.80   | ug/l   | 97       |

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ALS Vial : 18 Sample Multiplier: 1

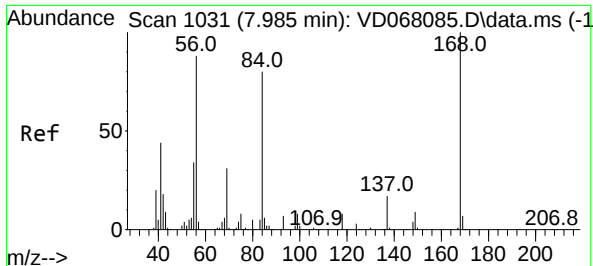
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

Quant Time: Feb 05 00:07:23 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

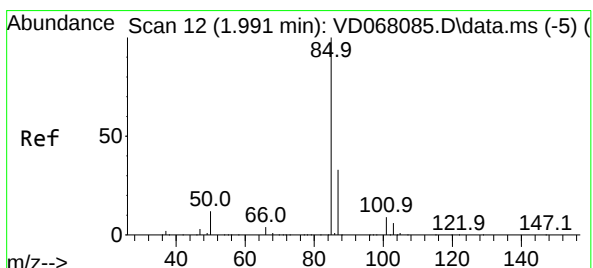
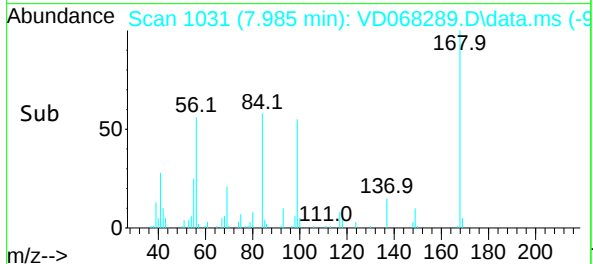
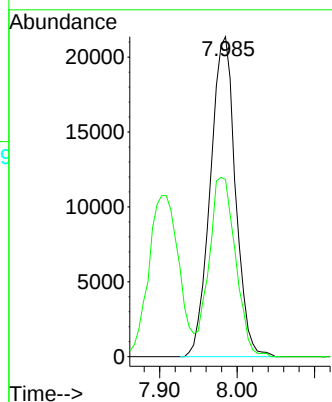
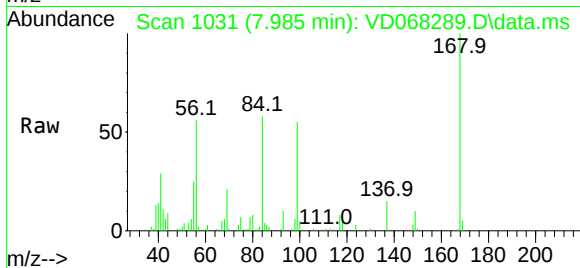




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

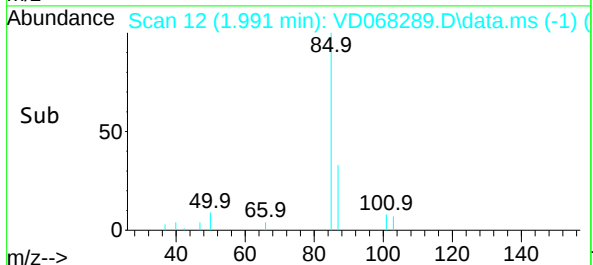
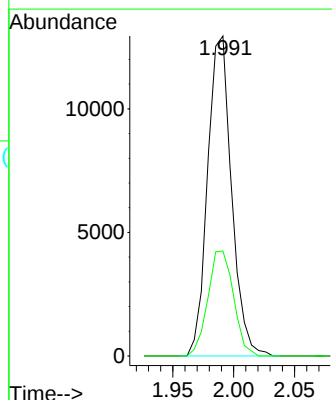
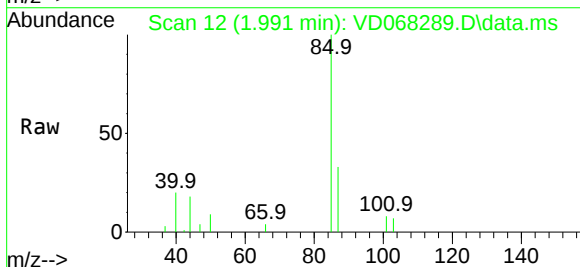
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

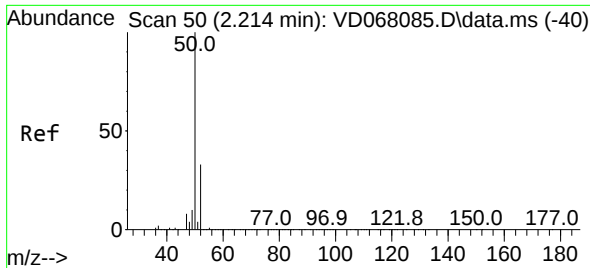
Tgt Ion:168 Resp: 48001  
Ion Ratio Lower Upper  
168 100  
99 55.4 43.5 65.3



#2  
Dichlorodifluoromethane  
Concen: 31.11 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 85 Resp: 17737  
Ion Ratio Lower Upper  
85 100  
87 32.8 15.4 46.1

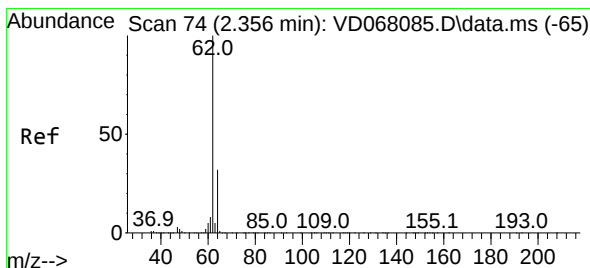
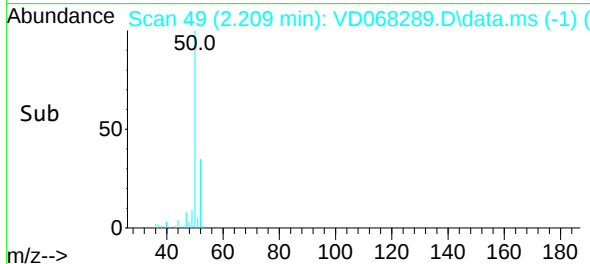
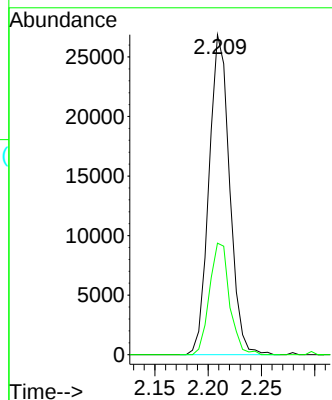
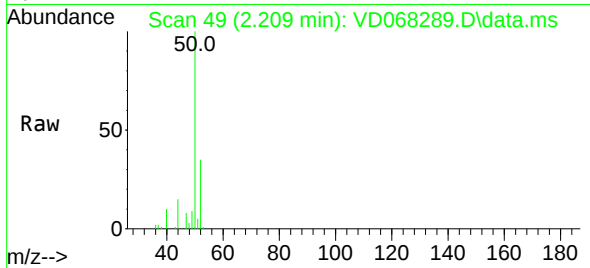




#3  
Chloromethane  
Concen: 58.97 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. -0.005 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

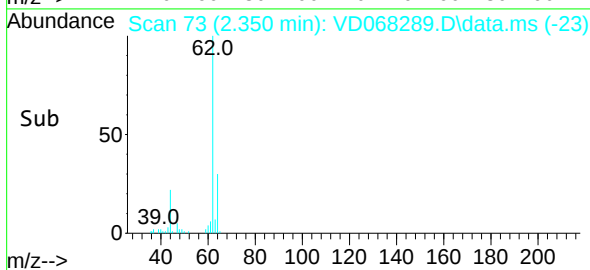
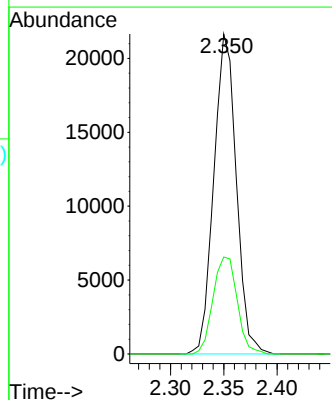
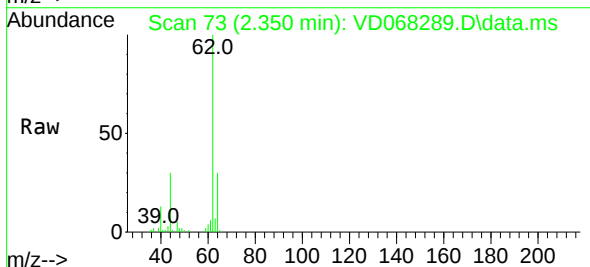
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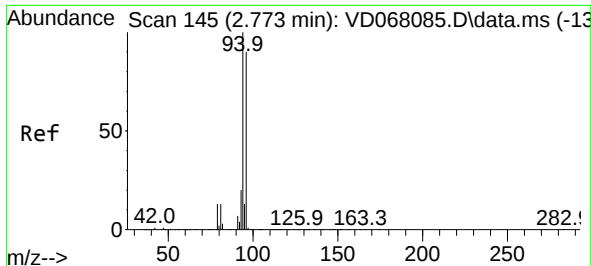
Tgt Ion: 50 Resp: 36213  
Ion Ratio Lower Upper  
50 100  
52 34.9 25.4 38.2



#4  
Vinyl Chloride  
Concen: 46.49 ug/l  
RT: 2.350 min Scan# 73  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 62 Resp: 31751  
Ion Ratio Lower Upper  
62 100  
64 30.3 25.4 38.2

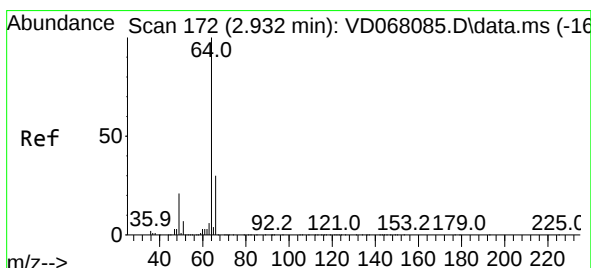
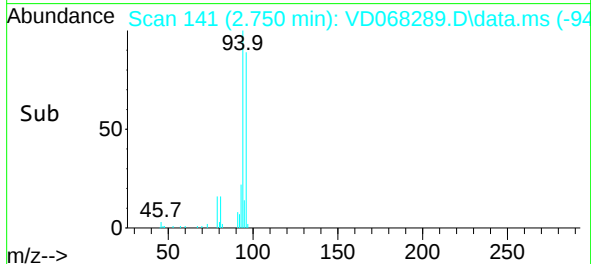
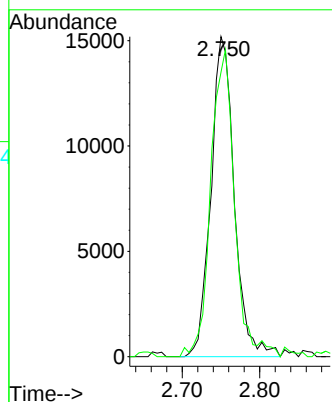
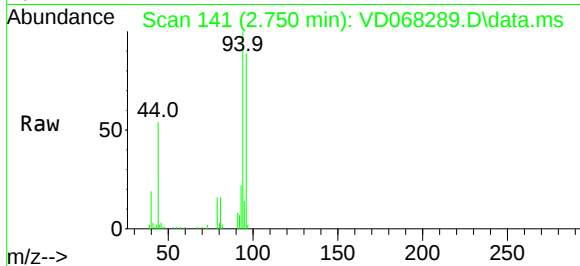




#5  
Bromomethane  
Concen: 68.01 ug/l  
RT: 2.750 min Scan# 141  
Delta R.T. -0.023 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

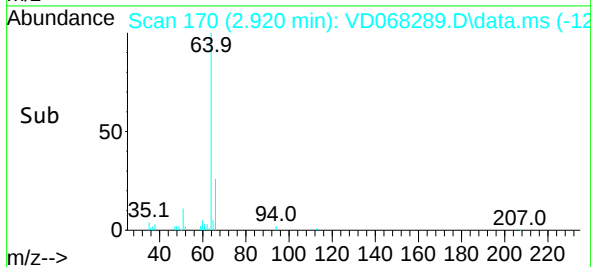
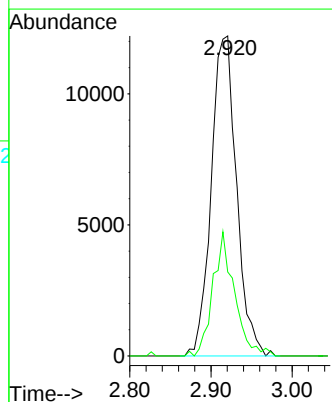
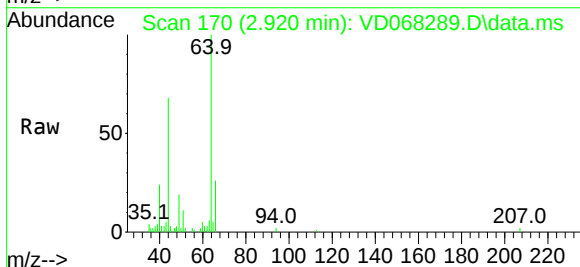
Instrument :  
MSVOA\_D  
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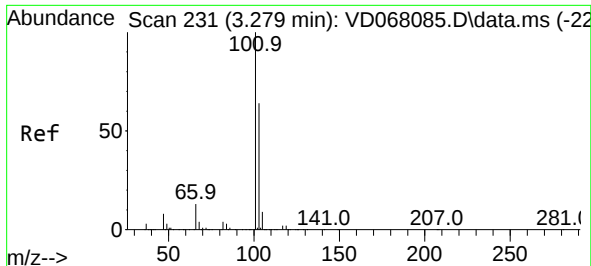
Tgt Ion: 94 Resp: 31855  
Ion Ratio Lower Upper  
94 100  
96 88.9 75.8 113.8



#6  
Chloroethane  
Concen: 63.46 ug/l  
RT: 2.920 min Scan# 170  
Delta R.T. -0.012 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 64 Resp: 26479  
Ion Ratio Lower Upper  
64 100  
66 26.2 25.1 37.7

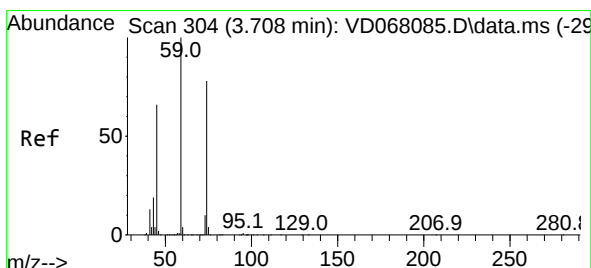
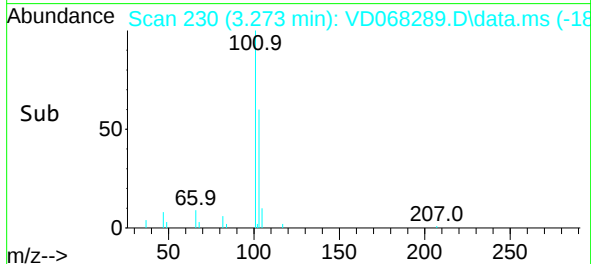
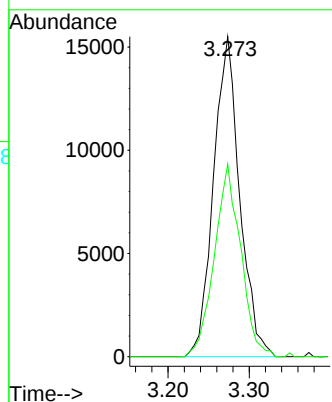
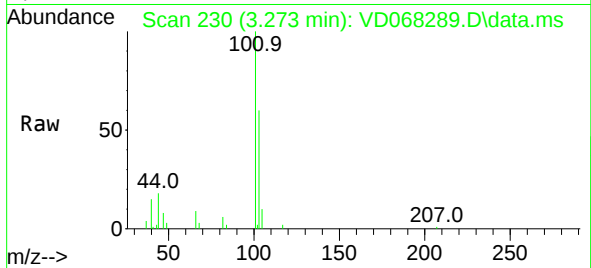




#7  
Trichlorofluoromethane  
Concen: 38.79 ug/l  
RT: 3.273 min Scan# 230  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

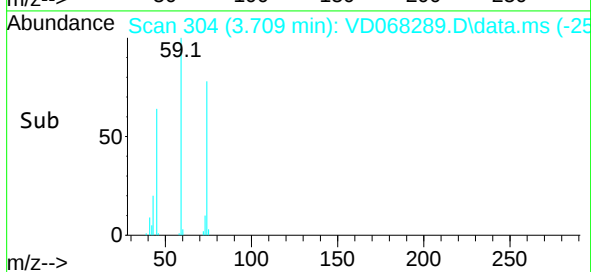
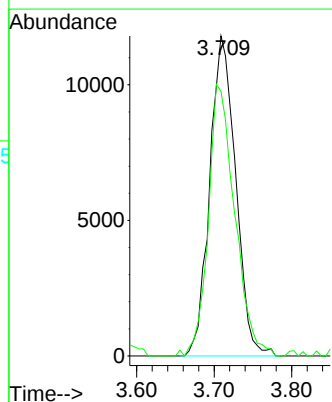
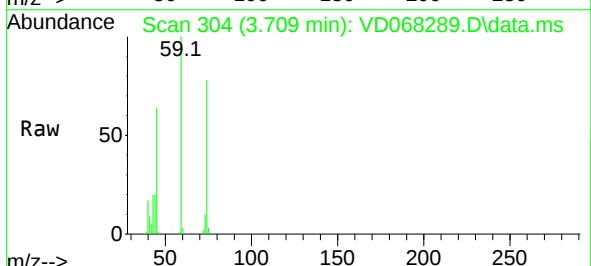
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

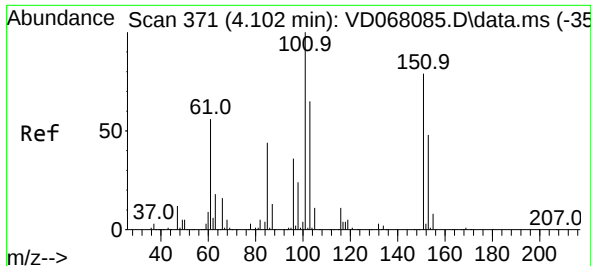
Tgt Ion:101 Resp: 34779  
Ion Ratio Lower Upper  
101 100  
103 60.2 52.0 78.0



#8  
Diethyl Ether  
Concen: 104.02 ug/l  
RT: 3.709 min Scan# 304  
Delta R.T. 0.001 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 74 Resp: 27458  
Ion Ratio Lower Upper  
74 100  
45 86.7 42.1 126.4

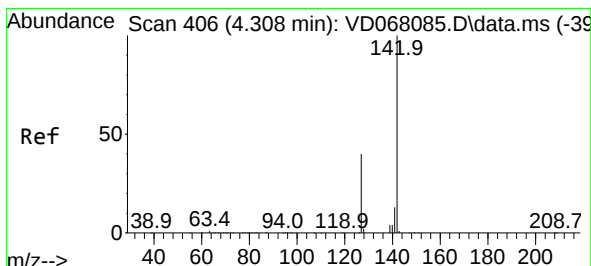
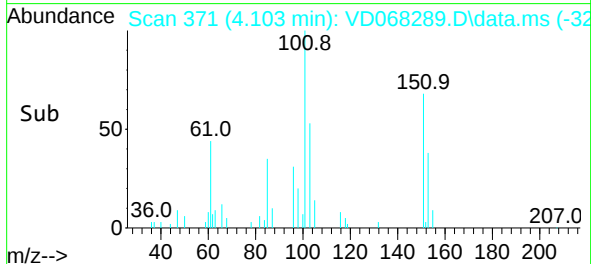
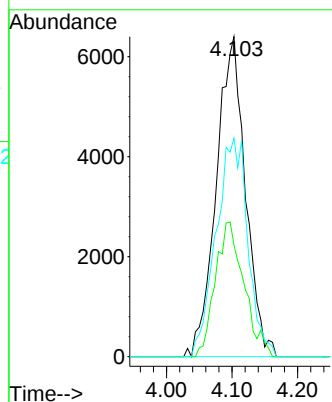
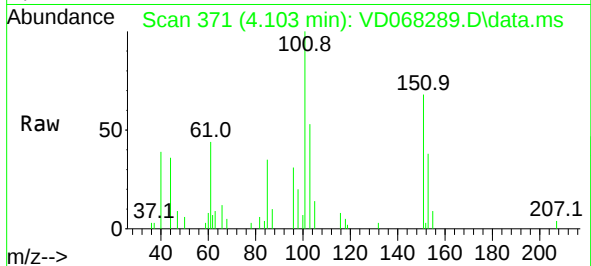




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 37.84 ug/l  
RT: 4.103 min Scan# 371  
Delta R.T. 0.001 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

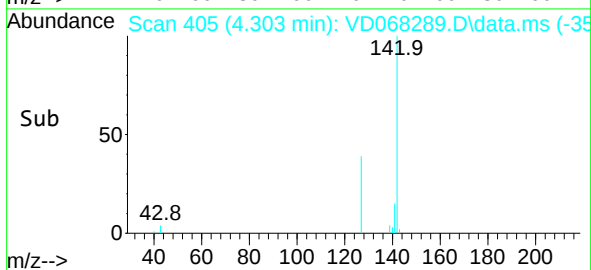
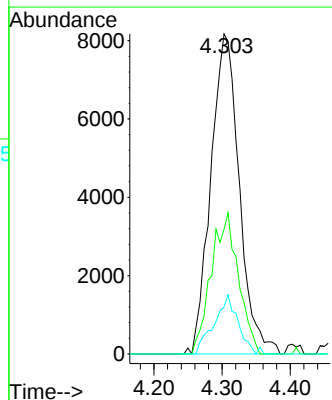
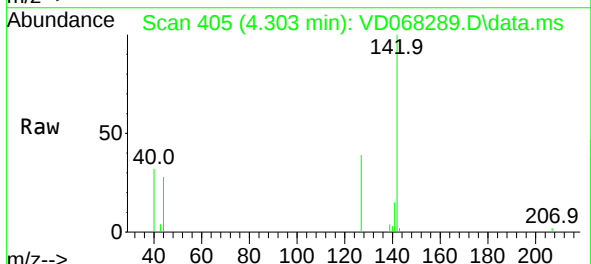
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

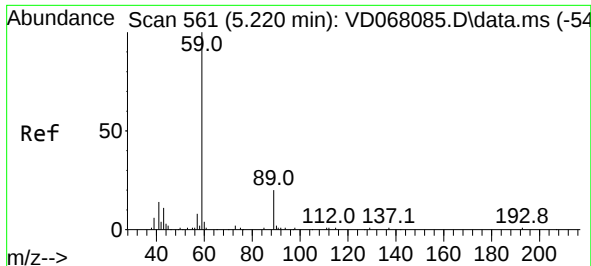
Tgt Ion:101 Resp: 19786  
Ion Ratio Lower Upper  
101 100  
85 41.3 34.0 51.0  
151 74.4 64.1 96.1



#10  
Methyl Iodide  
Concen: 41.04 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. -0.005 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion:142 Resp: 23715  
Ion Ratio Lower Upper  
142 100  
127 42.2 37.9 56.9  
141 15.5 11.5 17.3



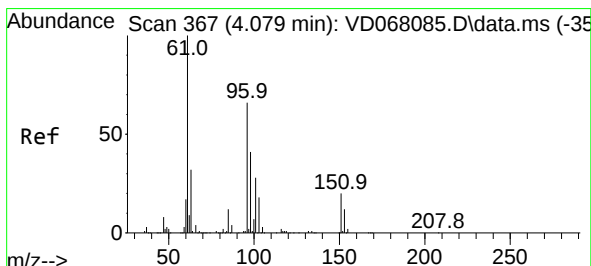
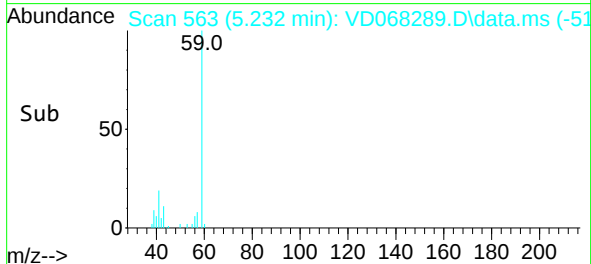
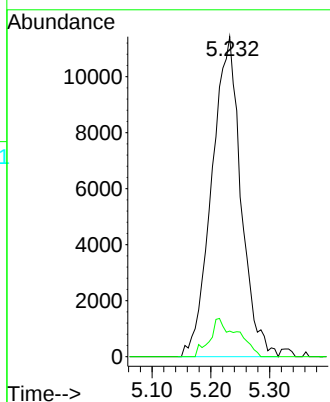
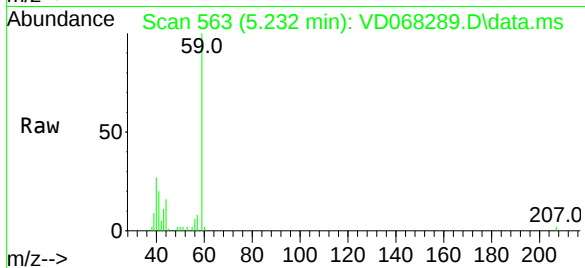


#11

Tert butyl alcohol  
Concen: 1205.09 ug/l  
RT: 5.232 min Scan# 563  
Delta R.T. 0.012 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

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

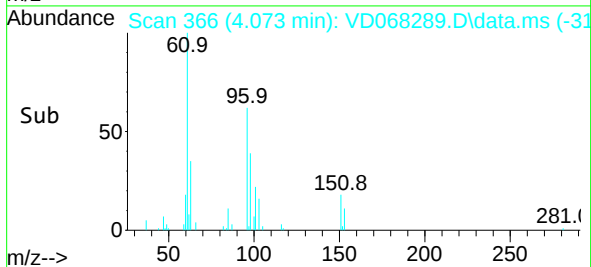
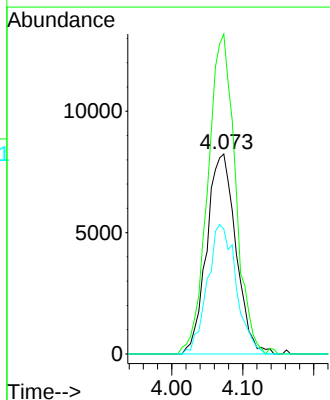
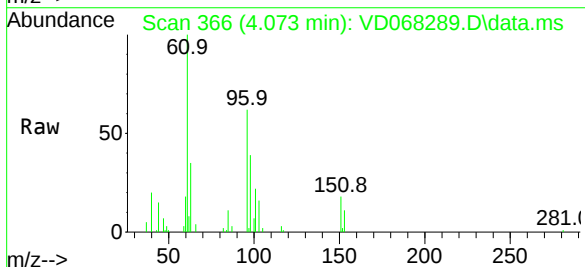
Tgt Ion: 59 Resp: 39455  
Ion Ratio Lower Upper  
59 100  
57 11.3 7.4 11.2#

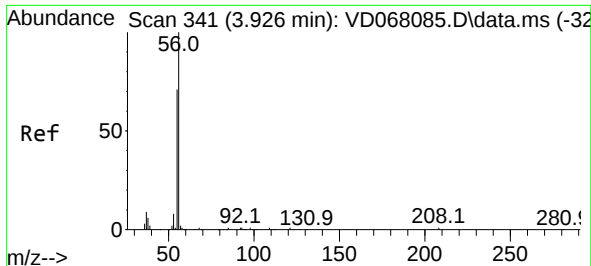


#12

1,1-Dichloroethene  
Concen: 44.61 ug/l  
RT: 4.073 min Scan# 366  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 96 Resp: 23459  
Ion Ratio Lower Upper  
96 100  
61 160.0 116.2 174.4  
98 62.5 48.6 73.0

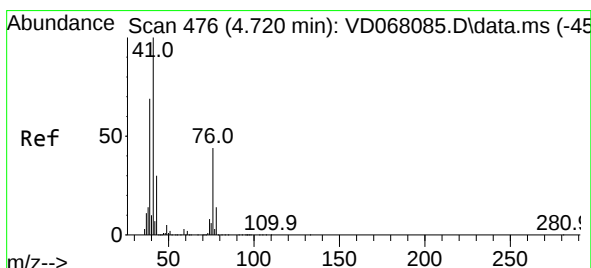
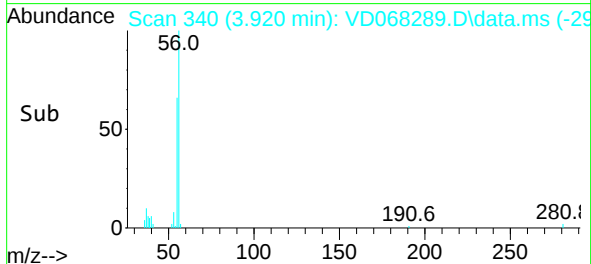
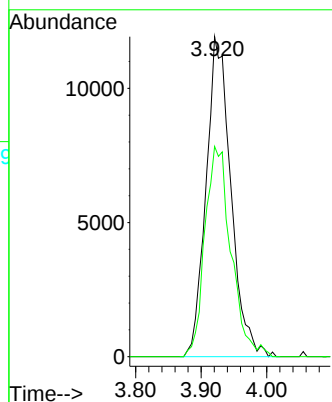
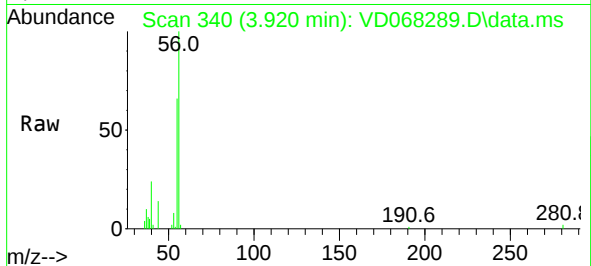




#13  
Acrolein  
Concen: 866.04 ug/l  
RT: 3.920 min Scan# 340  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

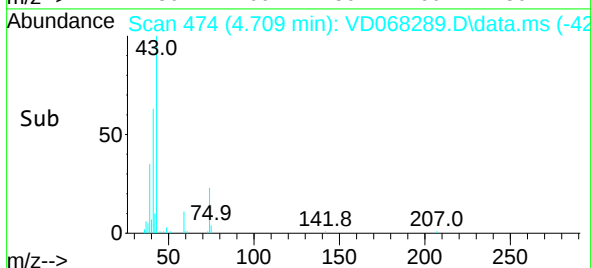
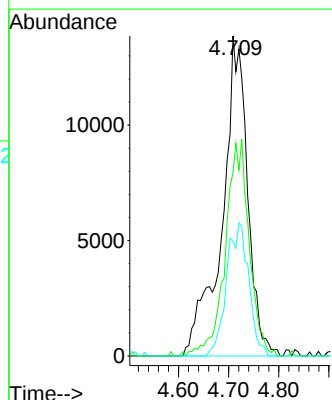
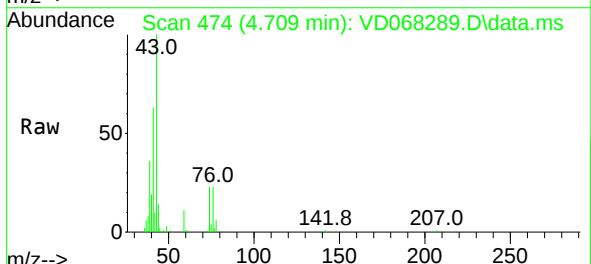
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

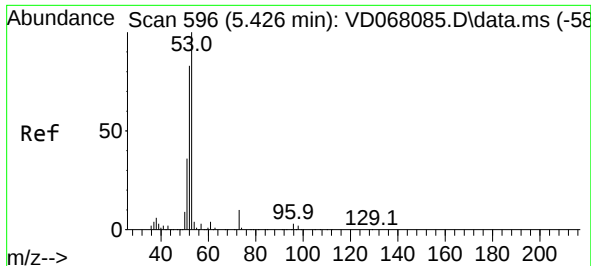
Tgt Ion: 56 Resp: 31338  
Ion Ratio Lower Upper  
56 100  
55 69.2 56.5 84.7



#14  
Allyl chloride  
Concen: 64.40 ug/l  
RT: 4.709 min Scan# 474  
Delta R.T. -0.011 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 41 Resp: 49261  
Ion Ratio Lower Upper  
41 100  
39 62.6 56.3 84.5  
76 35.9 38.9 58.3#

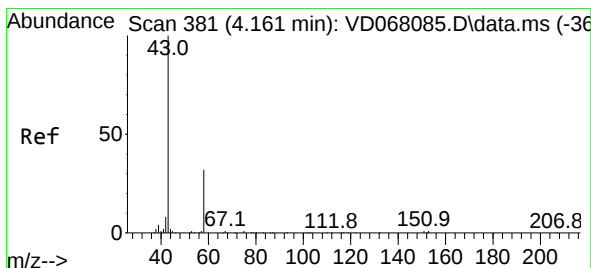
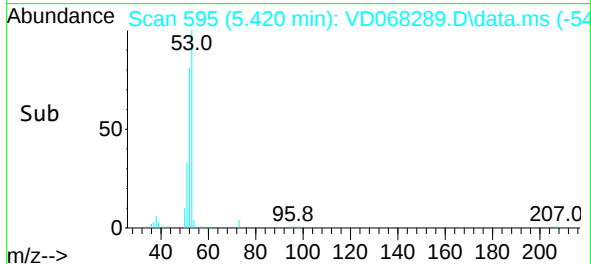
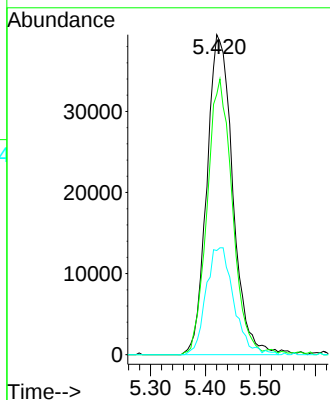
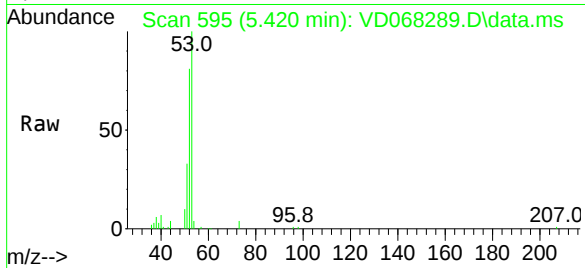




#15  
Acrylonitrile  
Concen: 1233.34 ug/l  
RT: 5.420 min Scan# 595  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

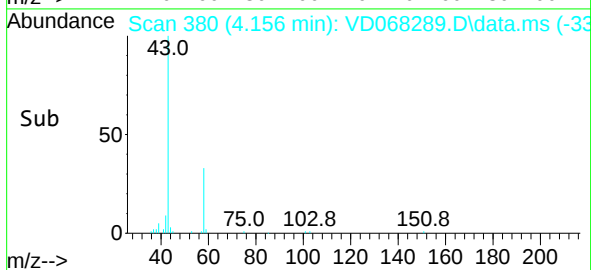
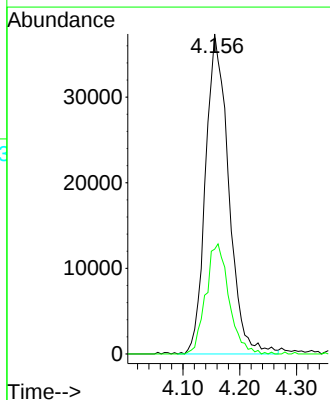
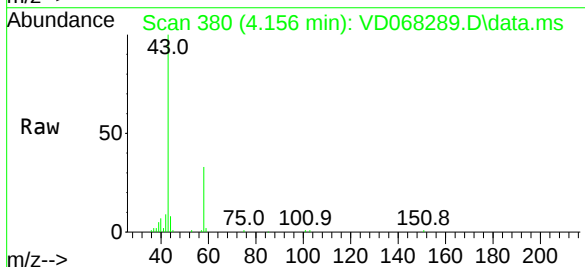
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

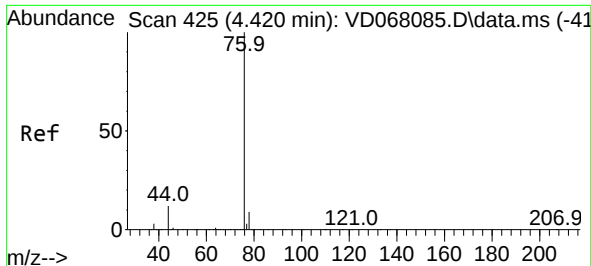
|             |              |
|-------------|--------------|
| Tgt Ion: 53 | Resp: 128958 |
| Ion Ratio   | Lower Upper  |
| 53 100      |              |
| 52 83.9     | 66.2 99.2    |
| 51 35.9     | 29.0 43.4    |



#16  
Acetone  
Concen: 1289.02 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

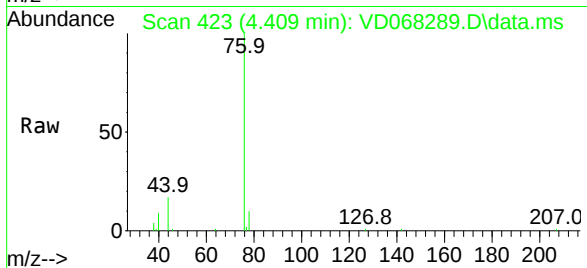
|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 105686 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 58 32.8     | 24.2 36.4    |



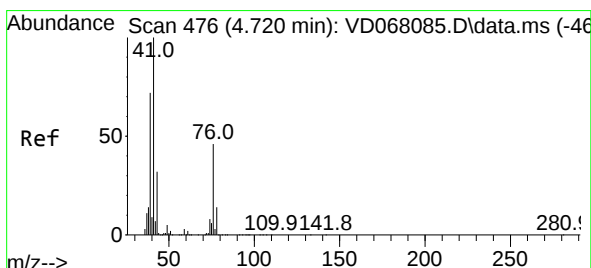
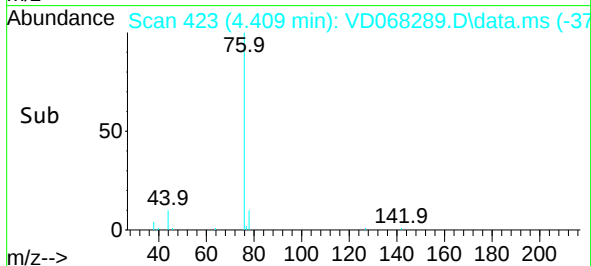
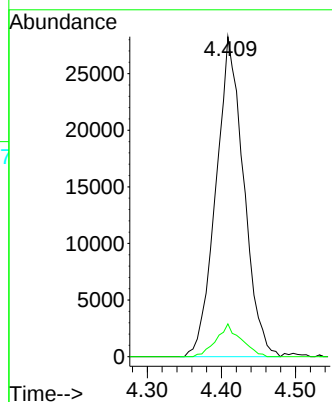


#17  
Carbon Disulfide  
Concen: 43.41 ug/l  
RT: 4.409 min Scan# 423  
Delta R.T. -0.011 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

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

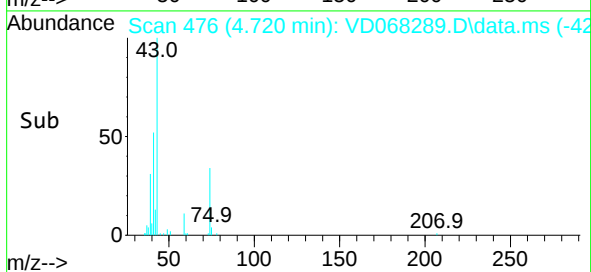
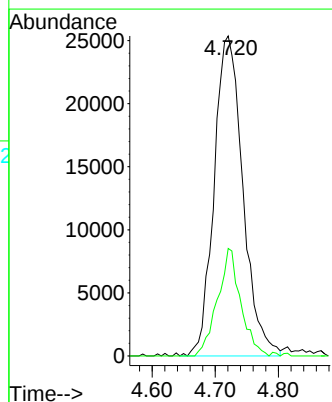
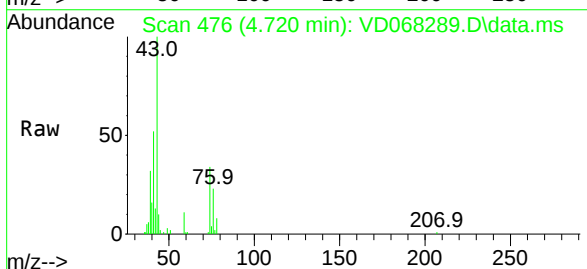


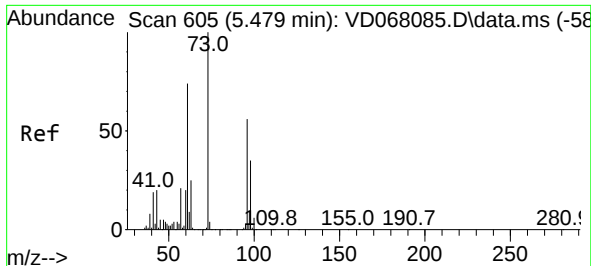
Tgt Ion: 76 Resp: 73532  
Ion Ratio Lower Upper  
76 100  
78 10.2 7.3 10.9



#18  
Methyl Acetate  
Concen: 376.97 ug/l  
RT: 4.720 min Scan# 476  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 43 Resp: 80218  
Ion Ratio Lower Upper  
43 100  
74 27.0 25.4 38.0

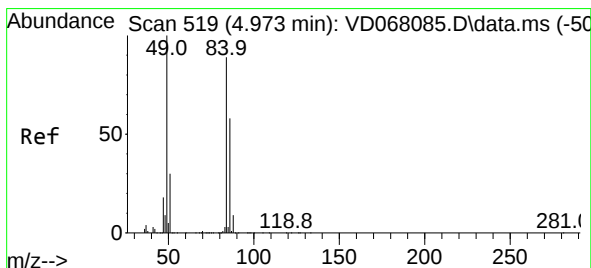
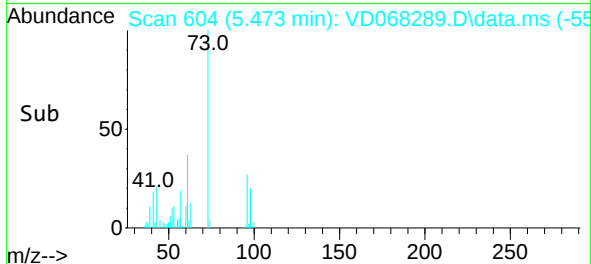
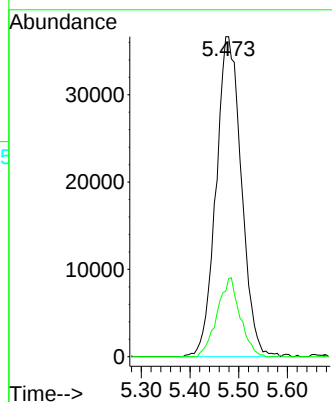
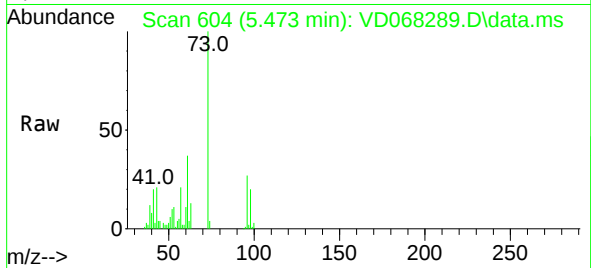




#19  
Methyl tert-butyl Ether  
Concen: 108.91 ug/l  
RT: 5.473 min Scan# 604  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

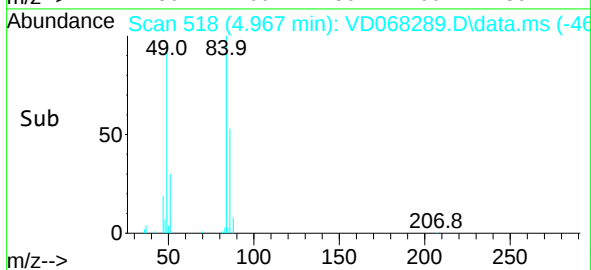
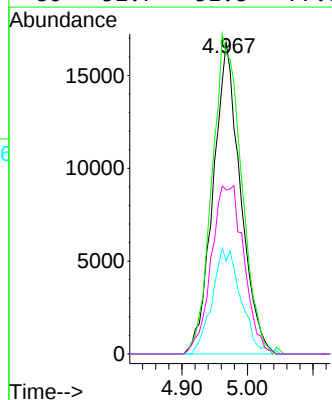
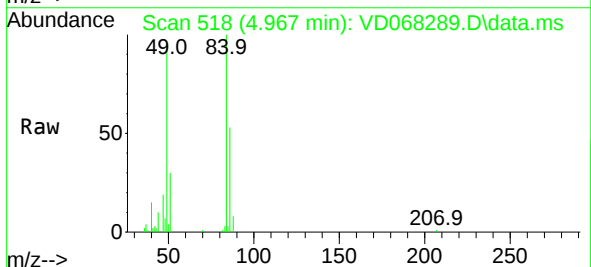
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

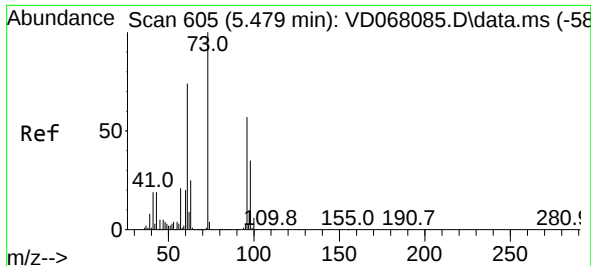
Tgt Ion: 73 Resp: 132412  
Ion Ratio Lower Upper  
73 100  
57 20.5 14.4 21.6



#20  
Methylene Chloride  
Concen: 87.69 ug/l  
RT: 4.967 min Scan# 518  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 84 Resp: 48453  
Ion Ratio Lower Upper  
84 100  
49 96.4 77.4 116.2  
51 29.9 26.1 39.1  
86 52.7 51.8 77.8

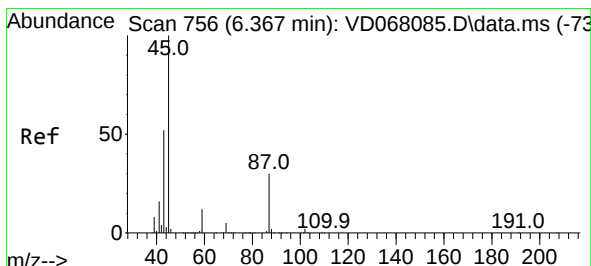
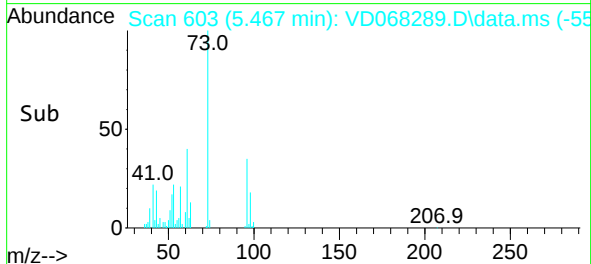
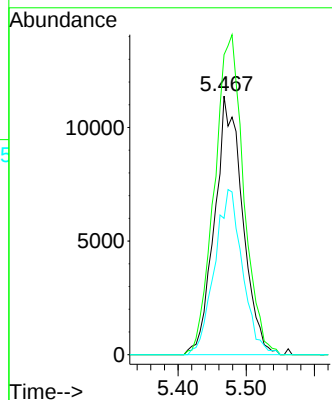
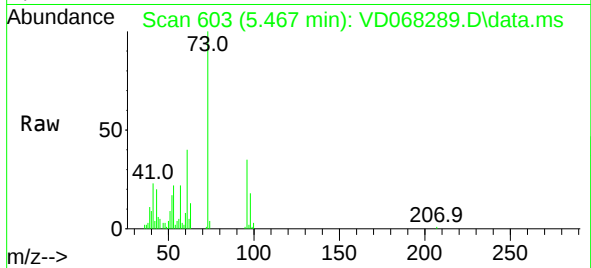




#21  
trans-1,2-Dichloroethene  
Concen: 53.79 ug/l  
RT: 5.467 min Scan# 603  
Delta R.T. -0.011 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

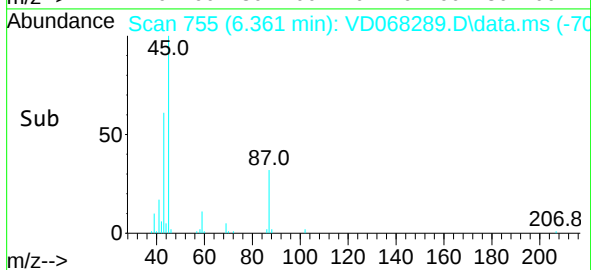
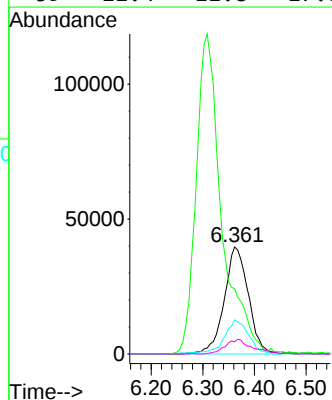
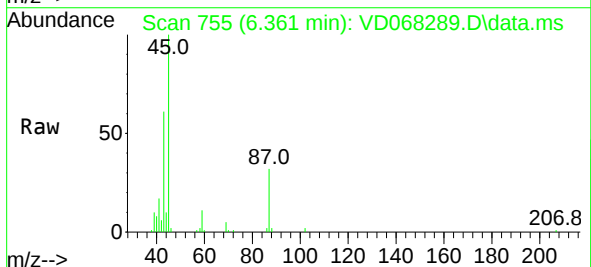
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

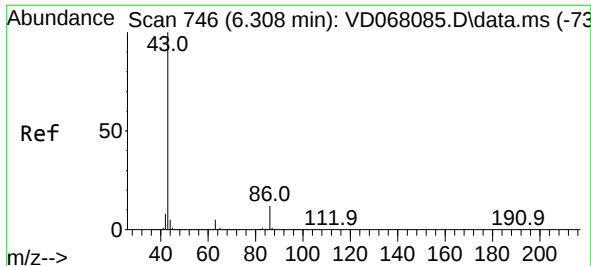
Tgt Ion: 96 Resp: 32475  
Ion Ratio Lower Upper  
96 100  
61 116.0 96.7 145.1  
98 52.7 47.6 71.4



#22  
Diisopropyl ether  
Concen: 82.81 ug/l  
RT: 6.361 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 45 Resp: 127823  
Ion Ratio Lower Upper  
45 100  
43 59.0 43.9 65.9  
87 31.8 29.9 44.9  
59 11.4 11.8 17.8#

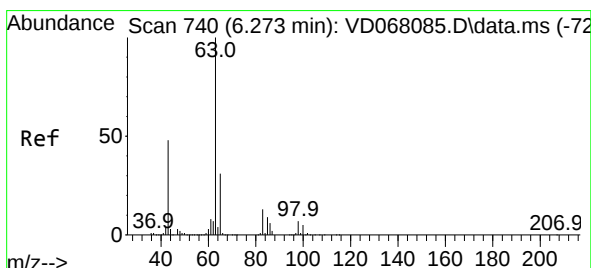
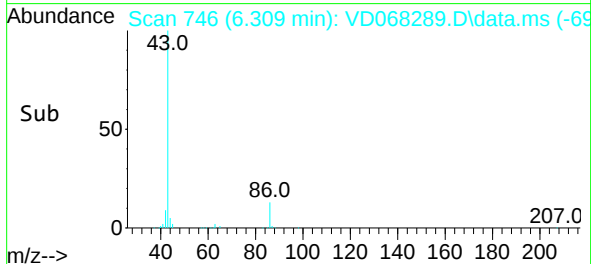
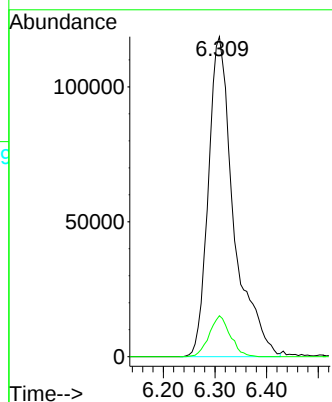
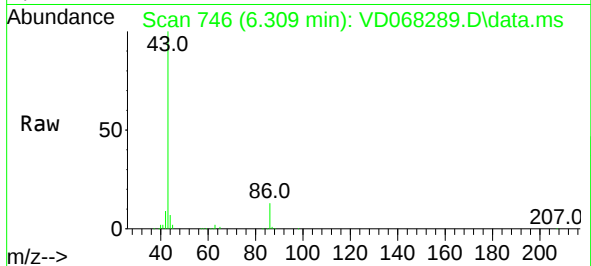




#23  
 Vinyl Acetate  
 Concen: 492.07 ug/l  
 RT: 6.309 min Scan# 746  
 Delta R.T. 0.000 min  
 Lab File: VD068289.D  
 Acq: 04 Feb 2021 20:56

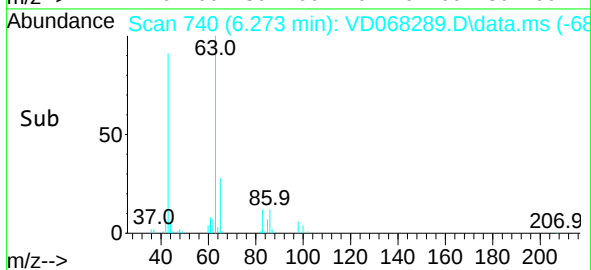
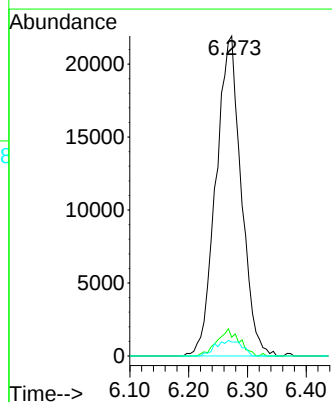
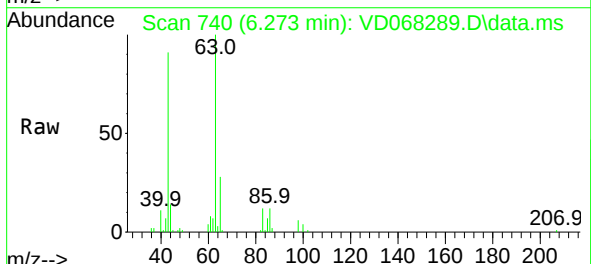
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OU421-005-0510MSD

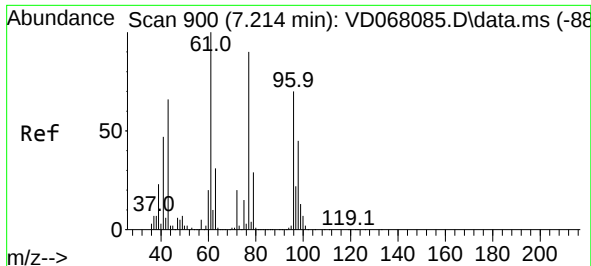
Tgt Ion: 43 Resp: 404866  
 Ion Ratio Lower Upper  
 43 100  
 86 12.8 10.8 16.2



#24  
 1,1-Dichloroethane  
 Concen: 65.44 ug/l  
 RT: 6.273 min Scan# 740  
 Delta R.T. 0.000 min  
 Lab File: VD068289.D  
 Acq: 04 Feb 2021 20:56

Tgt Ion: 63 Resp: 65452  
 Ion Ratio Lower Upper  
 63 100  
 98 5.8 3.8 11.4  
 100 4.3 2.6 8.0

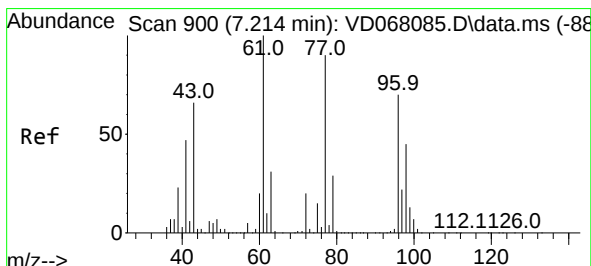
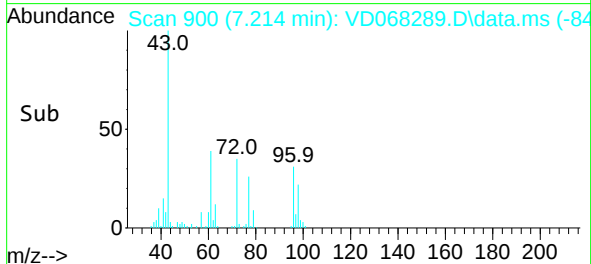
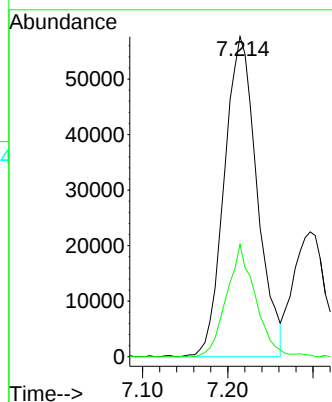
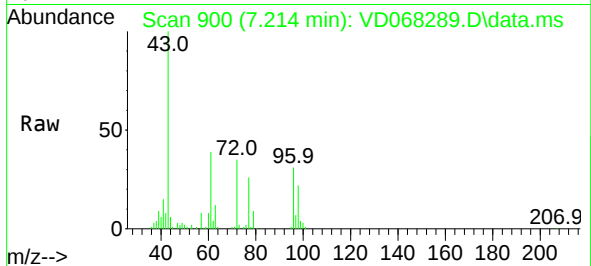




#25  
2-Butanone  
Concen: 1249.76 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

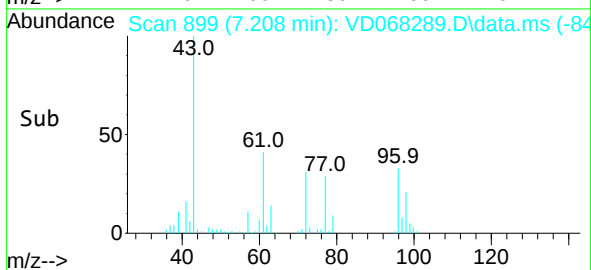
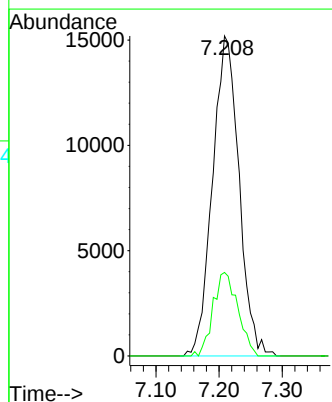
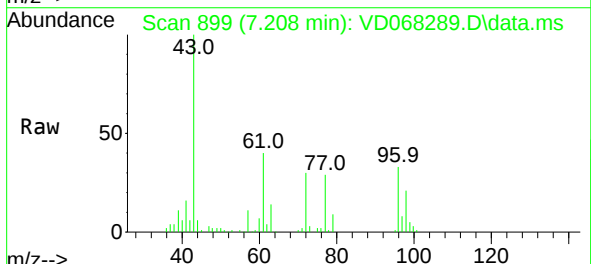
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

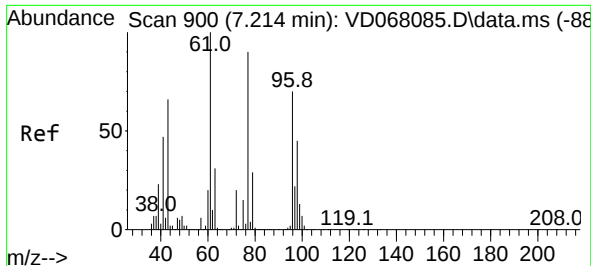
Tgt Ion: 43 Resp: 154285  
Ion Ratio Lower Upper  
43 100  
72 35.1 25.1 37.7



#26  
2,2-Dichloropropane  
Concen: 46.76 ug/l  
RT: 7.208 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

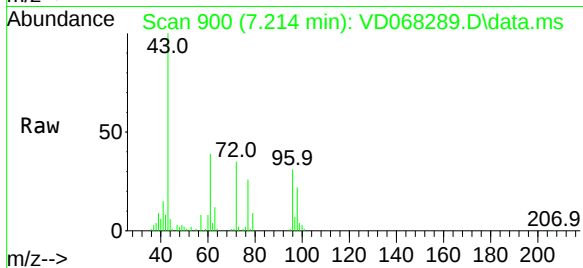
Tgt Ion: 77 Resp: 44246  
Ion Ratio Lower Upper  
77 100  
97 24.4 11.7 35.1



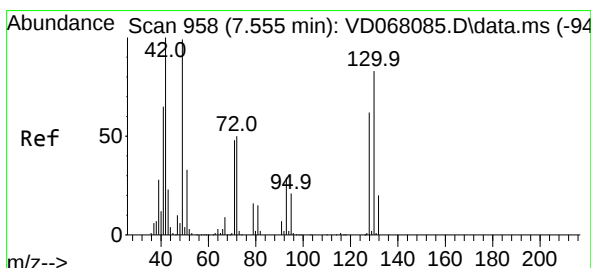
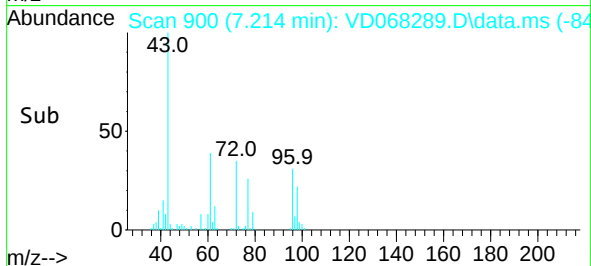
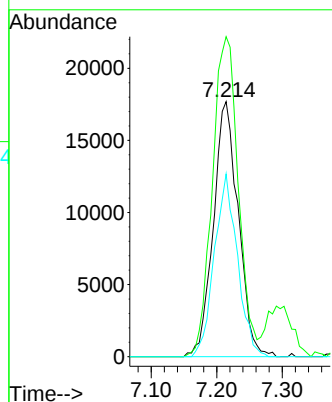


#27  
cis-1,2-Dichloroethene  
Concen: 71.14 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

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

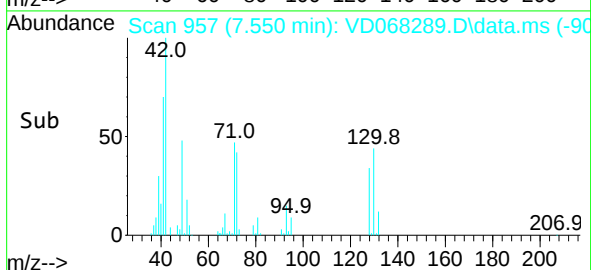
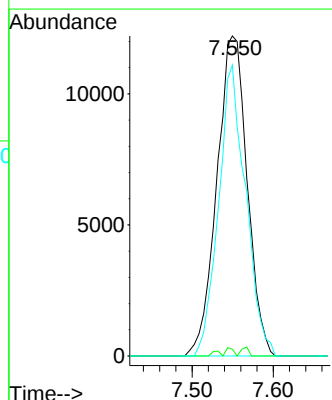
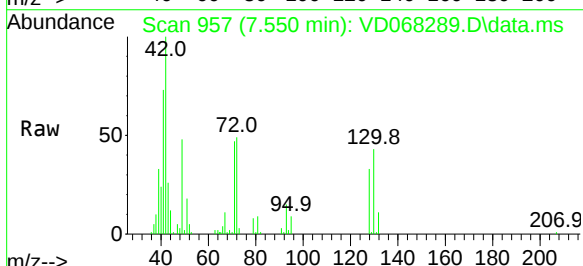


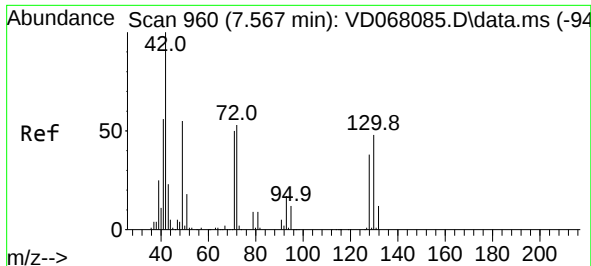
Tgt Ion: 96 Resp: 46630  
Ion Ratio Lower Upper  
96 100  
61 130.3 0.0 257.4  
98 66.3 0.0 126.6



#28  
Bromochloromethane  
Concen: 93.00 ug/l  
RT: 7.550 min Scan# 957  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 49 Resp: 31689  
Ion Ratio Lower Upper  
49 100  
129 1.0 0.0 4.8  
130 81.3 85.5 128.3#





#29

Tetrahydrofuran

Concen: 1255.75 ug/l

RT: 7.567 min Scan# 960

Delta R.T. 0.000 min

Lab File: VD068289.D

Acq: 04 Feb 2021 20:56

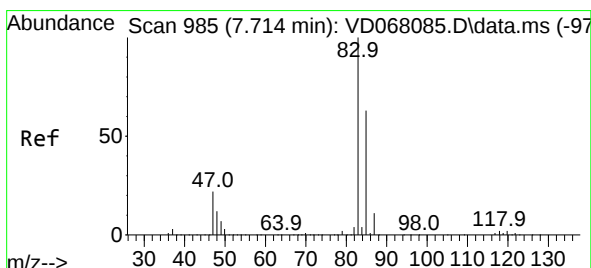
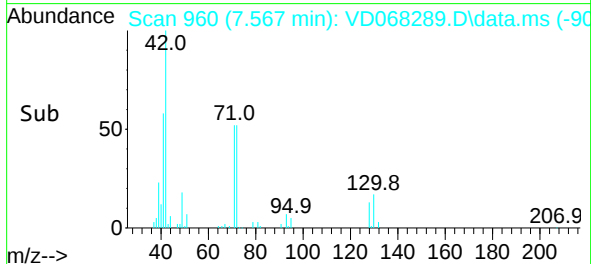
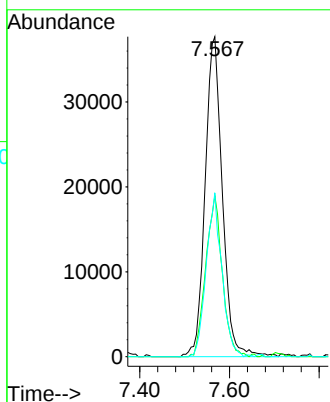
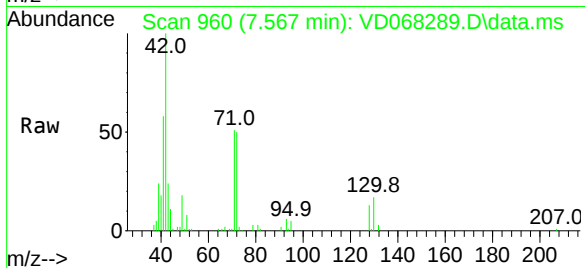
Instrument :

MSVOA\_D

ClientSampleId :

OU421-005-0510MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 100495 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 48.4  | 43.4  | 65.0   |
| 71       | 46.2  | 40.8  | 61.2   |



#30

Chloroform

Concen: 71.55 ug/l

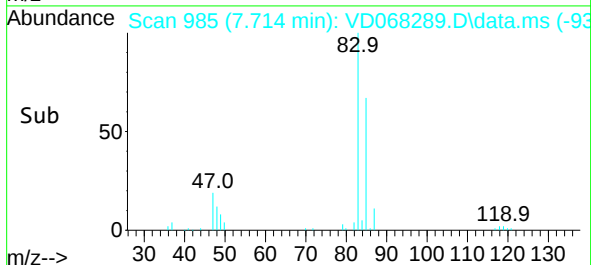
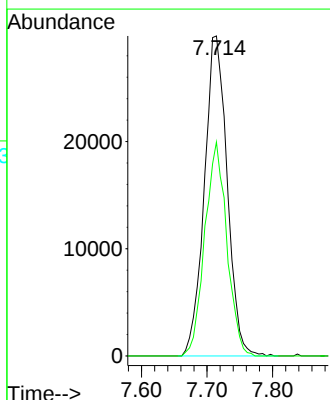
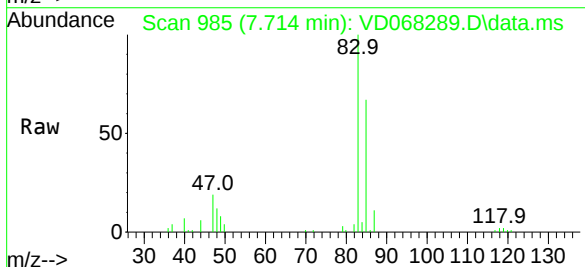
RT: 7.714 min Scan# 985

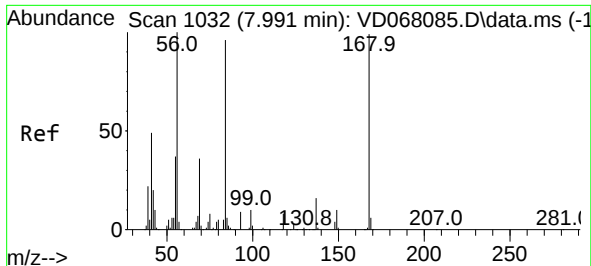
Delta R.T. 0.000 min

Lab File: VD068289.D

Acq: 04 Feb 2021 20:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 72313 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 66.9  | 53.4  | 80.0  |





#31

Cyclohexane

Concen: 32.22 ug/l

RT: 7.991 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VD068289.D

Acq: 04 Feb 2021 20:56

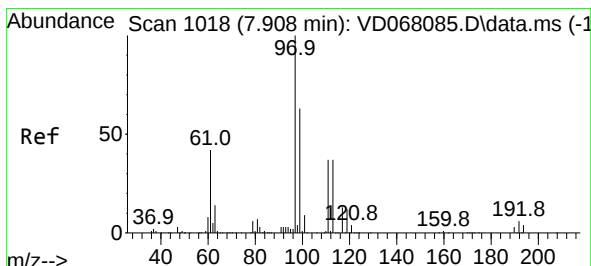
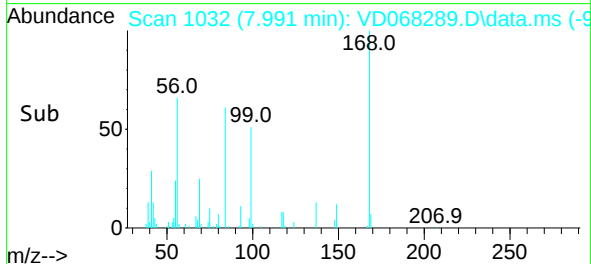
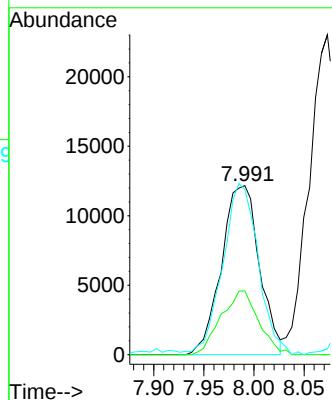
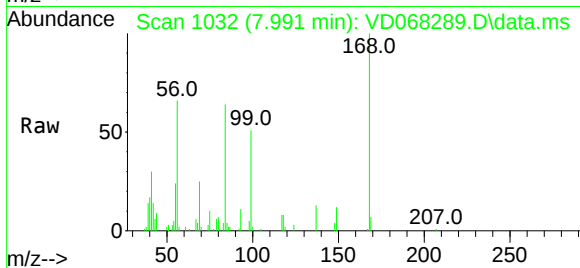
Instrument :

MSVOA\_D

ClientSampleId :

OU421-005-0510MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 32039 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 37.8  | 30.1  | 45.1  |
| 84       | 96.3  | 82.1  | 123.1 |



#32

1,1,1-Trichloroethane

Concen: 49.48 ug/l

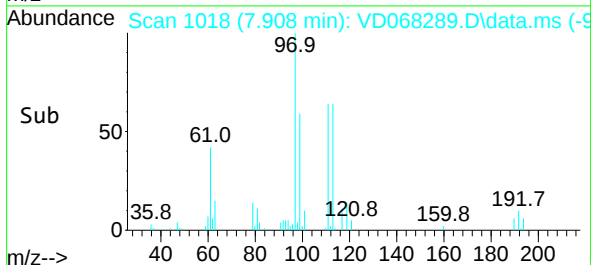
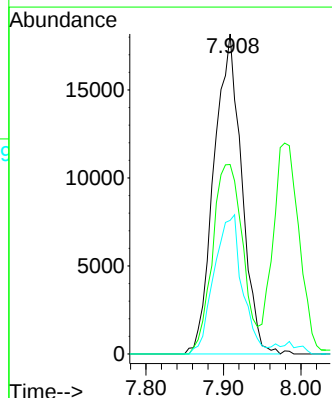
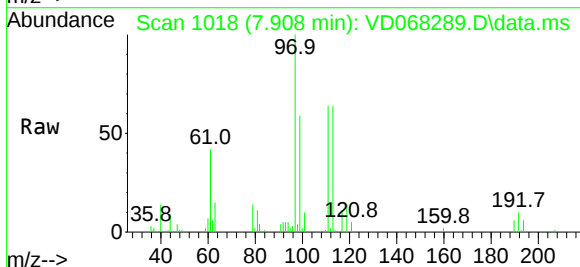
RT: 7.908 min Scan# 1018

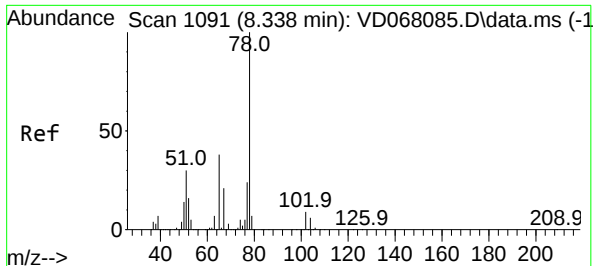
Delta R.T. 0.000 min

Lab File: VD068289.D

Acq: 04 Feb 2021 20:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 45064 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.7  | 52.1  | 78.1  |
| 61       | 44.4  | 30.1  | 45.1  |

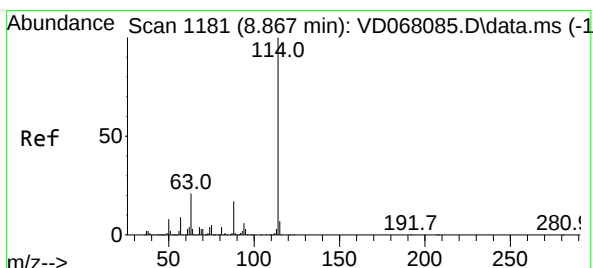
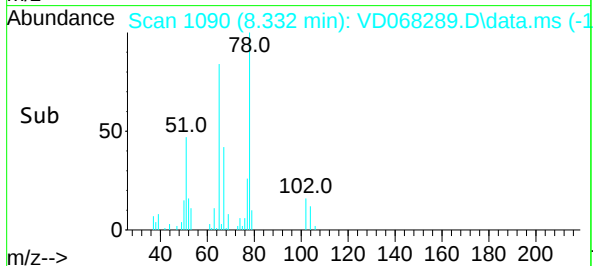
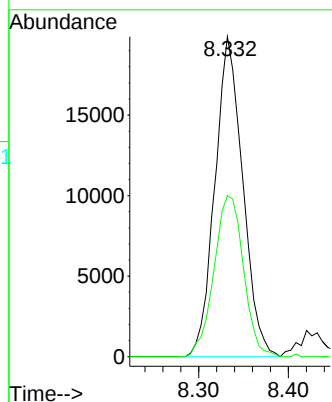
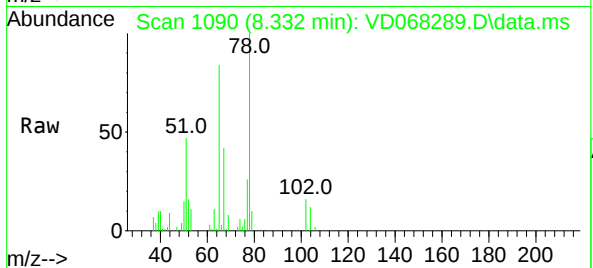




#33  
1,2-Dichloroethane-d4  
Concen: 93.07 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

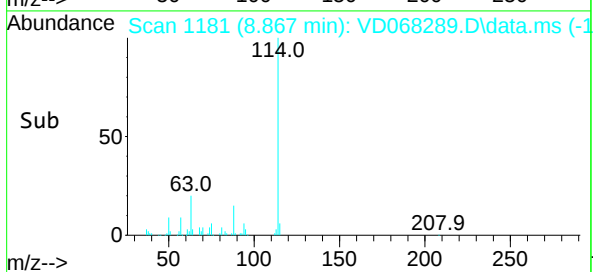
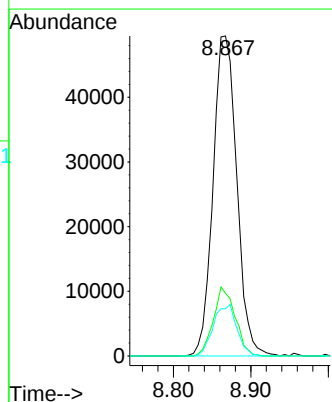
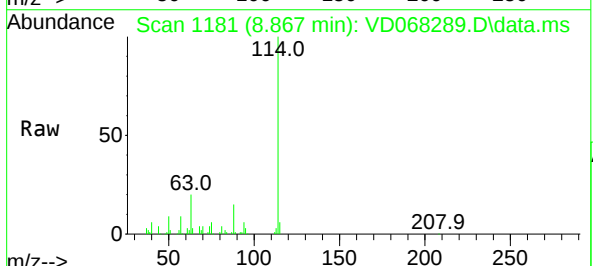
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

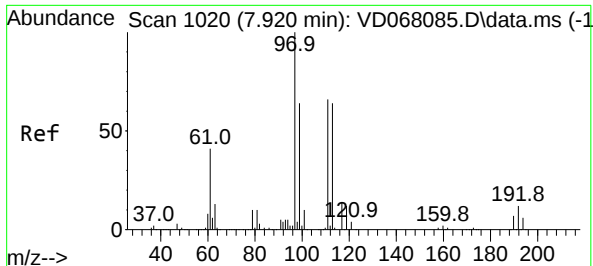
Tgt Ion: 65 Resp: 42736  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 105.0



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 114 Resp: 105433  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 34.8  
88 14.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 57.16 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068289.D

Acq: 04 Feb 2021 20:56

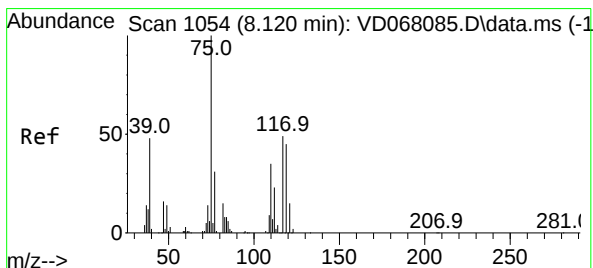
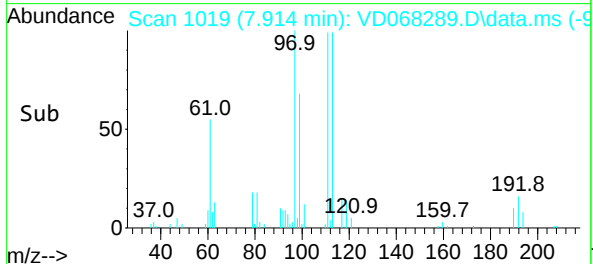
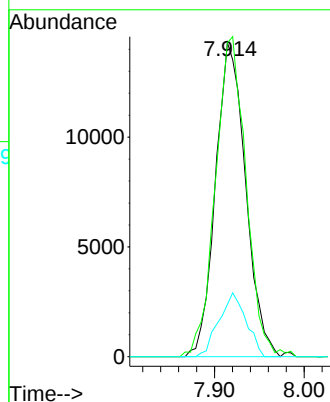
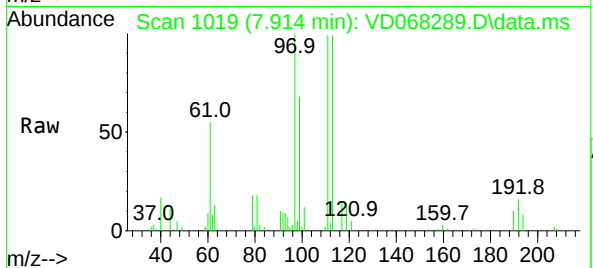
Instrument :

MSVOA\_D

ClientSampleId :

OU421-005-0510MSD

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 33316      |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 103.7 | 81.4 122.0 |
| 192         | 18.4  | 16.1 24.1  |



#36

1,1-Dichloropropene

Concen: 34.31 ug/l

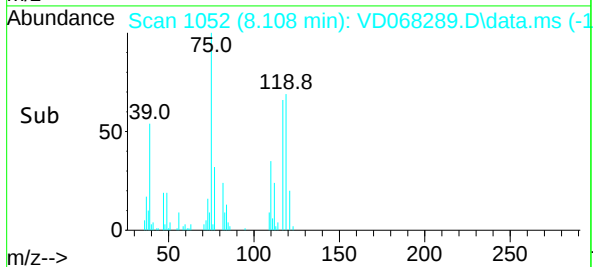
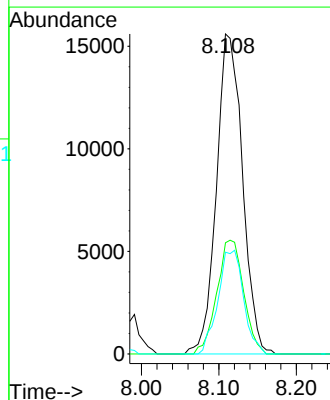
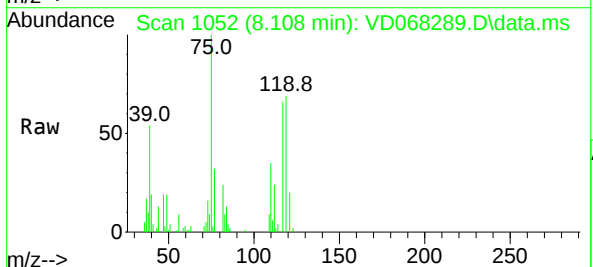
RT: 8.108 min Scan# 1052

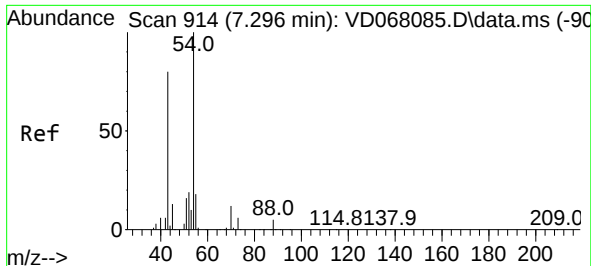
Delta R.T. -0.011 min

Lab File: VD068289.D

Acq: 04 Feb 2021 20:56

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 75 | Resp: | 36474     |
| Ion Ratio   | Lower | Upper     |
| 75          | 100   |           |
| 110         | 36.5  | 19.4 58.2 |
| 77          | 31.9  | 25.3 37.9 |





#37

Ethyl Acetate

Concen: 163.67 ug/l

RT: 7.297 min Scan# 914

Delta R.T. 0.000 min

Lab File: VD068289.D

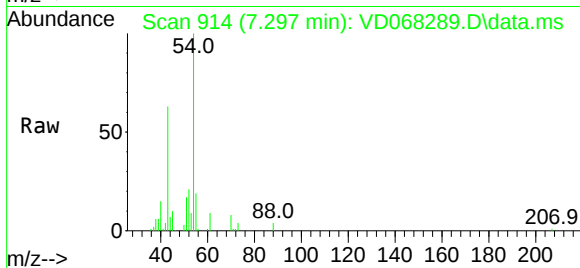
Acq: 04 Feb 2021 20:56

Instrument :

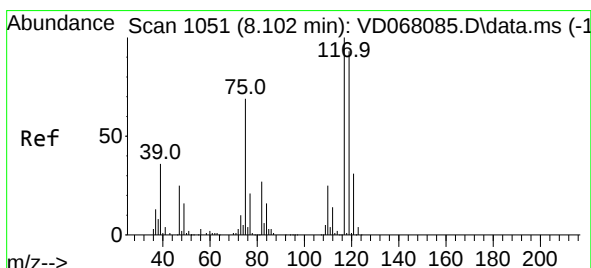
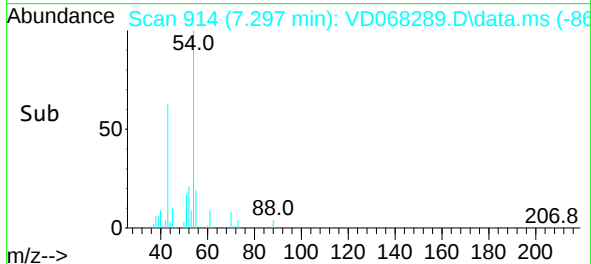
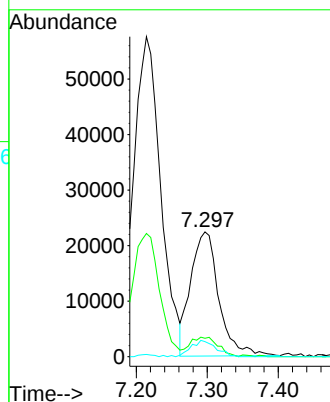
MSVOA\_D

ClientSampleId :

OU421-005-0510MSD



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 61557 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 15.9  | 12.9  | 19.3  |
| 70       | 11.6  | 11.0  | 16.6  |



#38

Carbon Tetrachloride

Concen: 32.05 ug/l

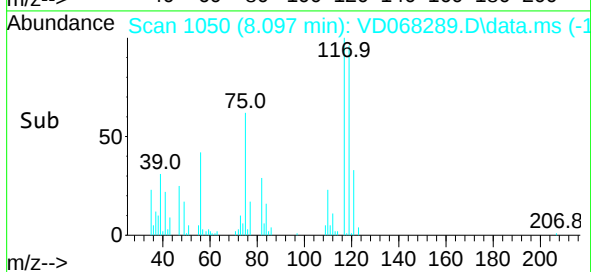
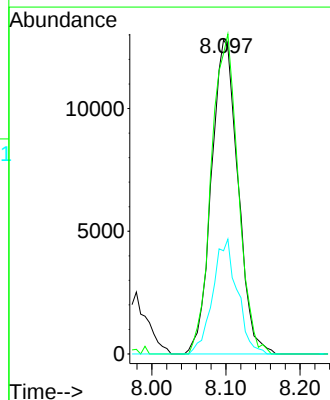
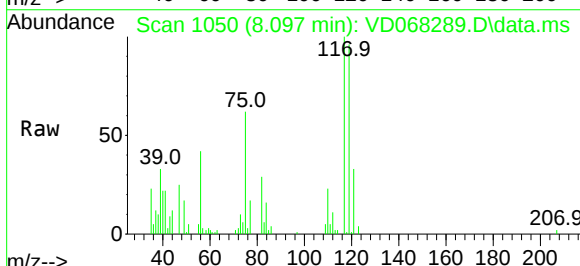
RT: 8.097 min Scan# 1050

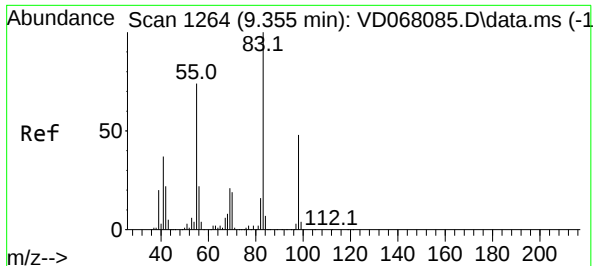
Delta R.T. -0.006 min

Lab File: VD068289.D

Acq: 04 Feb 2021 20:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 31896 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 95.6  | 77.3  | 115.9 |
| 121      | 32.8  | 24.7  | 37.1  |





#39

Methylcyclohexane

Concen: 20.23 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VD068289.D

Acq: 04 Feb 2021 20:56

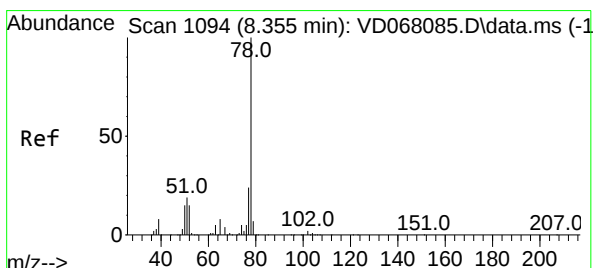
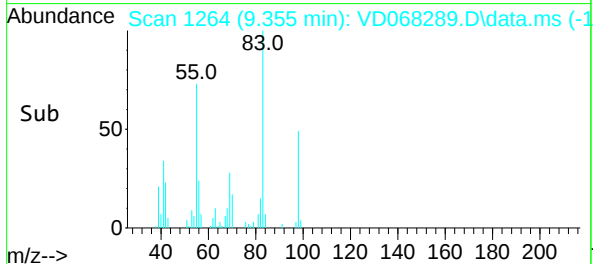
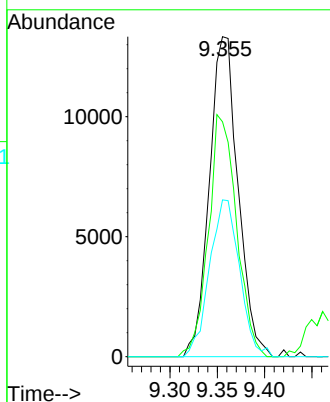
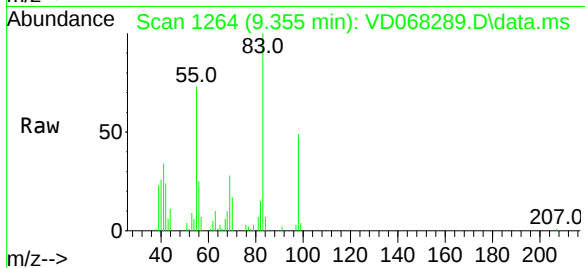
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 28127 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 73.4  | 55.2  | 82.8  |
| 98       | 49.0  | 39.1  | 58.7  |

Instrument :

MSVOA\_D

ClientSampleId :

OU421-005-0510MSD



#40

Benzene

Concen: 50.59 ug/l

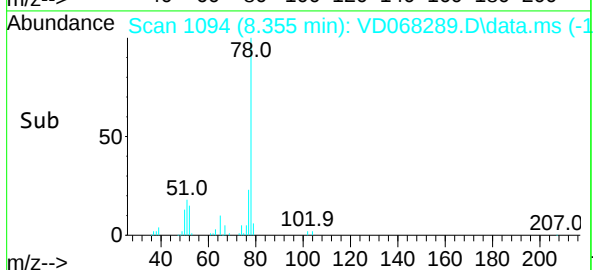
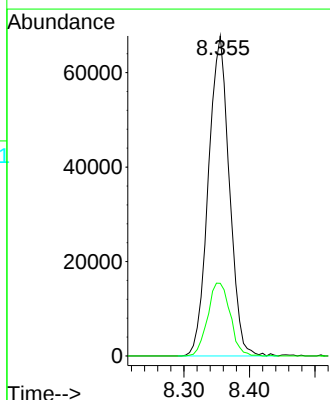
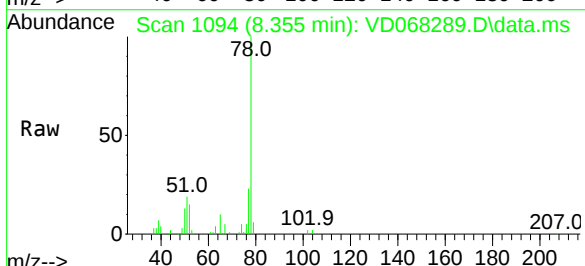
RT: 8.355 min Scan# 1094

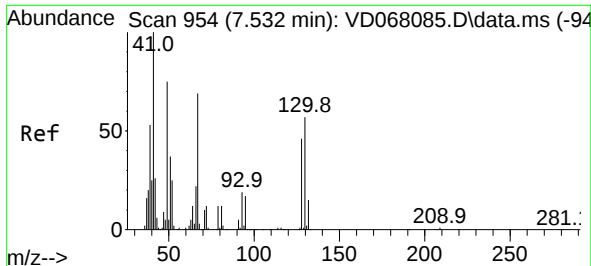
Delta R.T. 0.000 min

Lab File: VD068289.D

Acq: 04 Feb 2021 20:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 150381 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 22.7  | 17.8  | 26.6   |

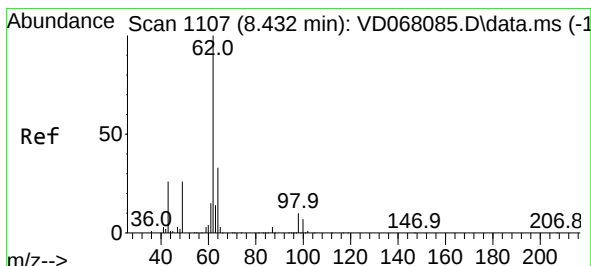
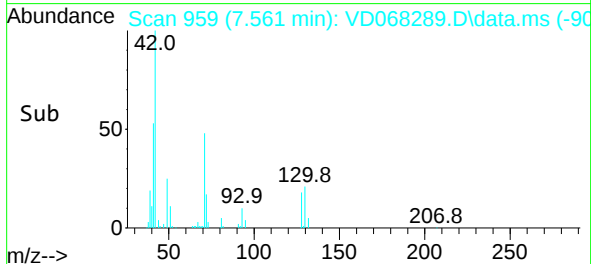
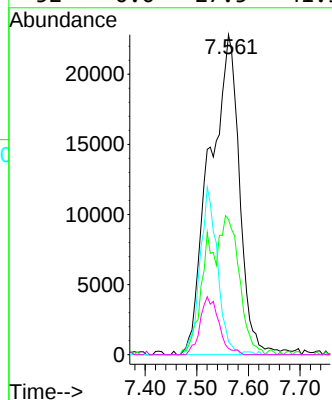
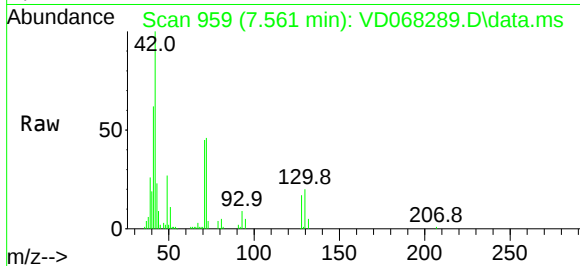




#41  
Methacrylonitrile  
Concen: 402.83 ug/l  
RT: 7.561 min Scan# 959  
Delta R.T. 0.029 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

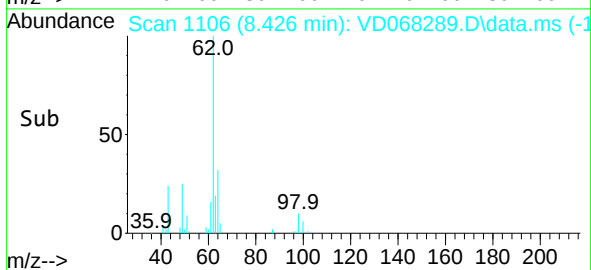
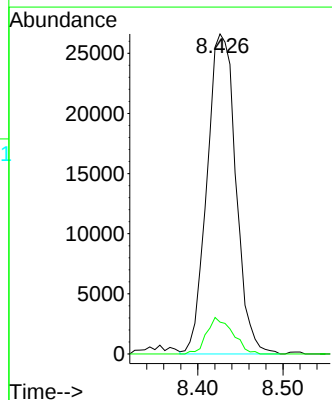
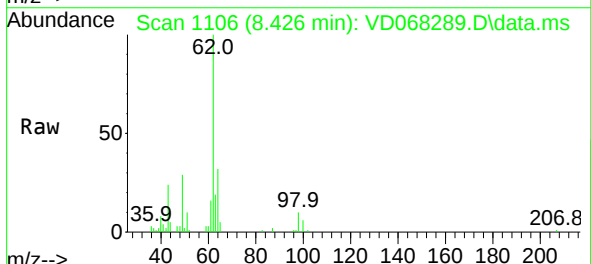
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

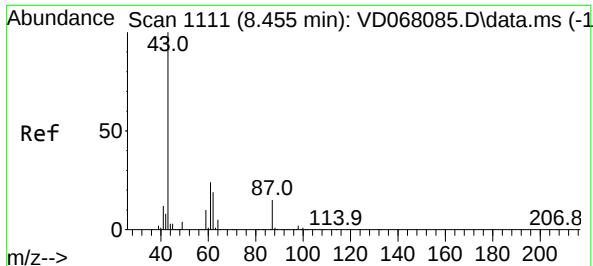
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 91435  |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 28.6  | 45.2  | 67.8#  |
| 67       | 0.0   | 67.4  | 101.2# |
| 52       | 0.0   | 27.5  | 41.3#  |



#42  
1,2-Dichloroethane  
Concen: 78.85 ug/l  
RT: 8.426 min Scan# 1106  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

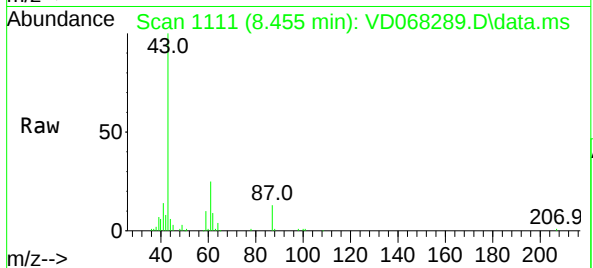
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 62632 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 10.3  | 0.0   | 21.8  |



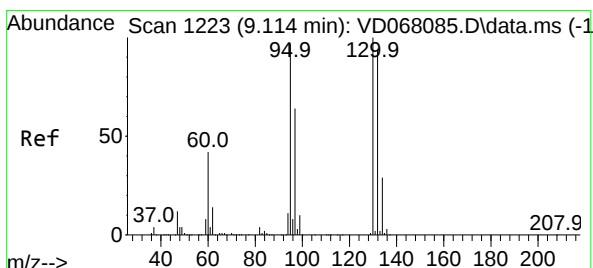
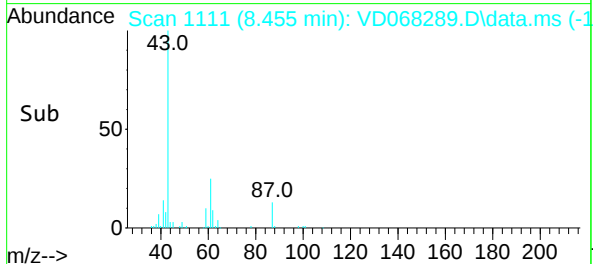
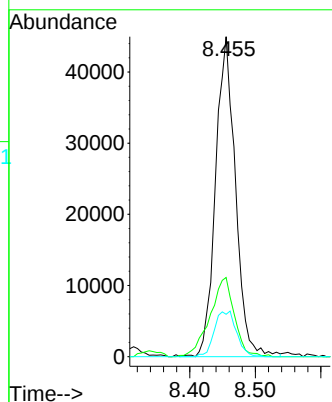


#43  
Isopropyl Acetate  
Concen: 120.56 ug/l  
RT: 8.455 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

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

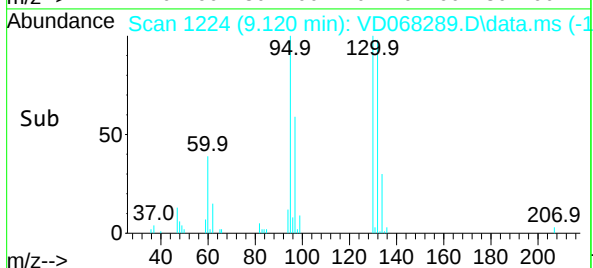
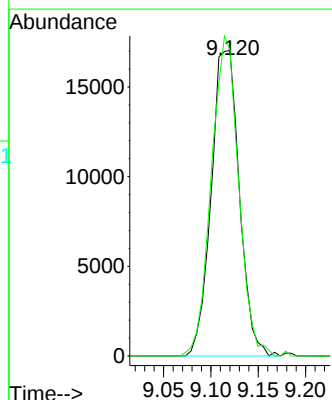
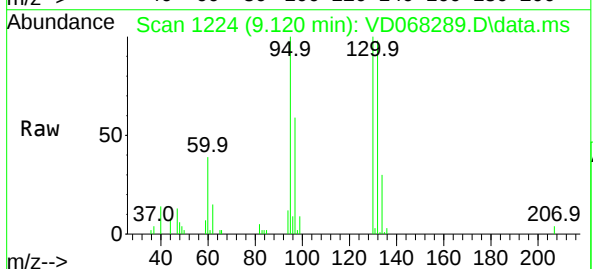


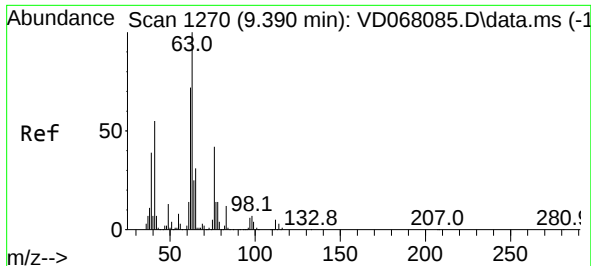
Tgt Ion: 43 Resp: 94491  
Ion Ratio Lower Upper  
43 100  
61 30.5 28.7 43.1  
87 15.9 13.9 20.9



#44  
Trichloroethene  
Concen: 43.12 ug/l  
RT: 9.120 min Scan# 1224  
Delta R.T. 0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion:130 Resp: 35204  
Ion Ratio Lower Upper  
130 100  
95 100.2 0.0 191.2



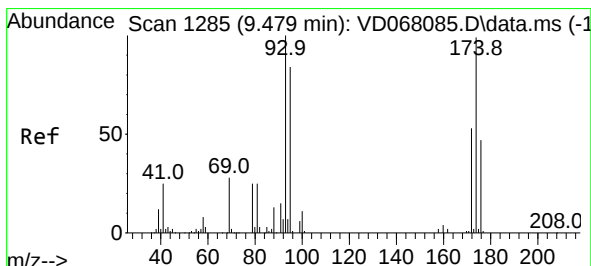
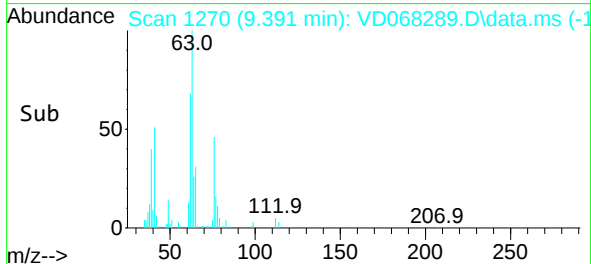
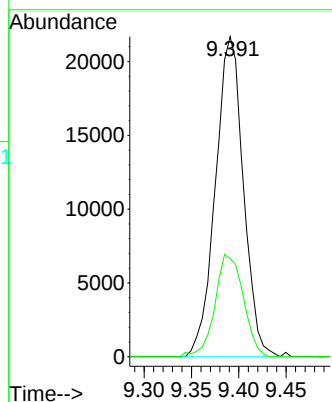
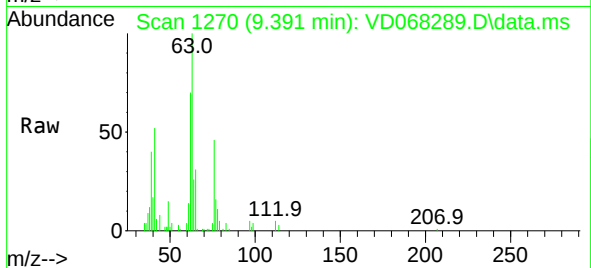


#45

1,2-Dichloropropane  
Concen: 61.06 ug/l  
RT: 9.391 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

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

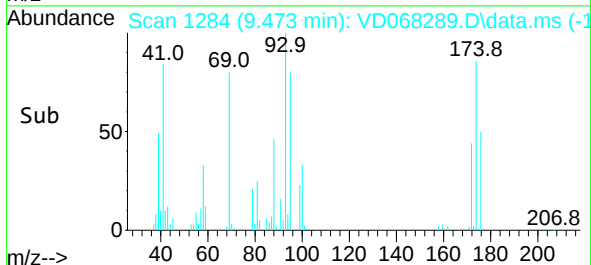
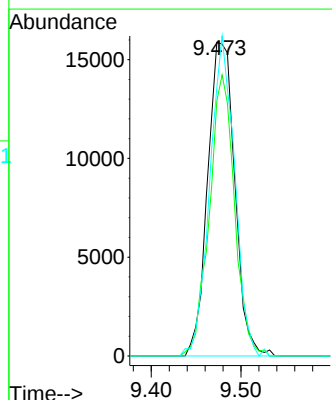
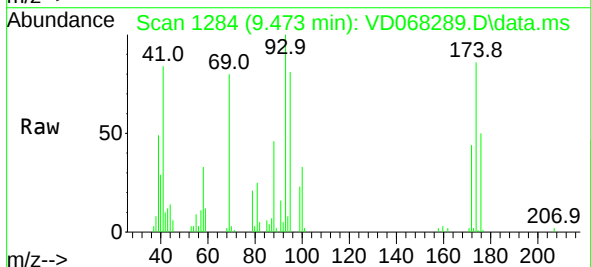
Tgt Ion: 63 Resp: 44449  
Ion Ratio Lower Upper  
63 100  
65 30.6 26.6 40.0

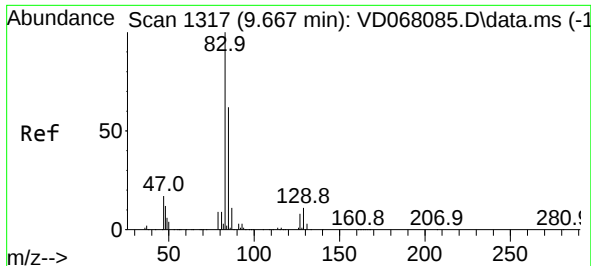


#46

Dibromomethane  
Concen: 90.31 ug/l  
RT: 9.473 min Scan# 1284  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 93 Resp: 33313  
Ion Ratio Lower Upper  
93 100  
95 83.1 67.3 100.9  
174 93.3 84.6 127.0

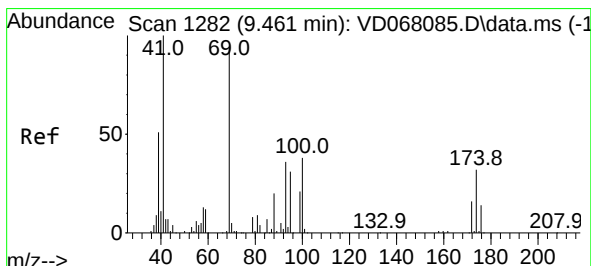
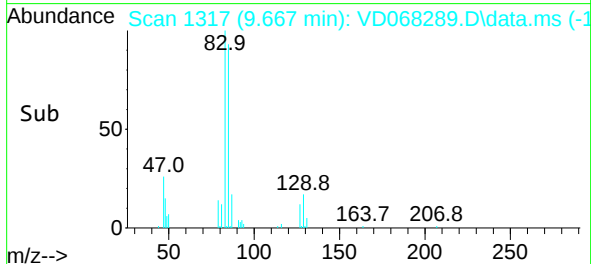
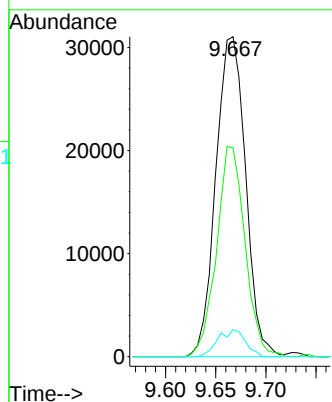
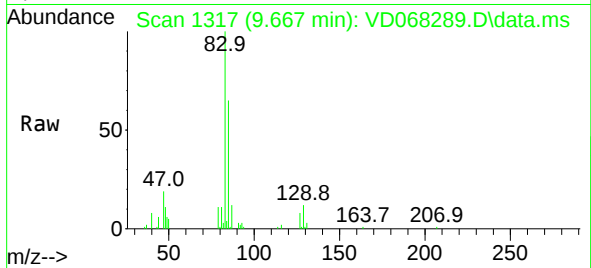




#47  
Bromodichloromethane  
Concen: 64.26 ug/l  
RT: 9.667 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

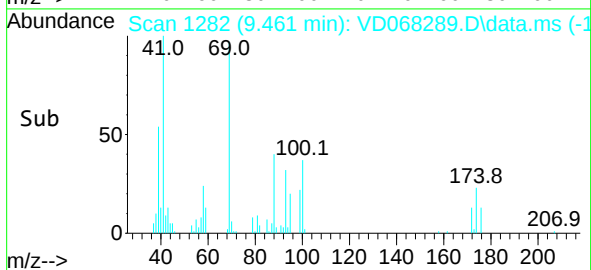
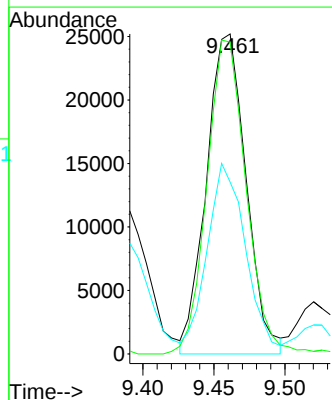
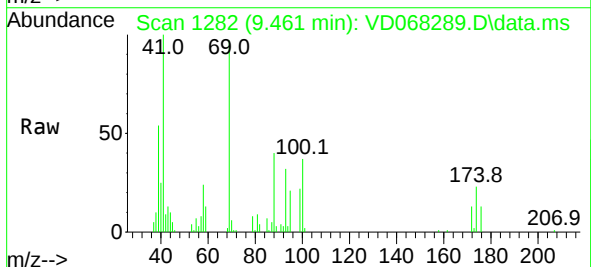
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

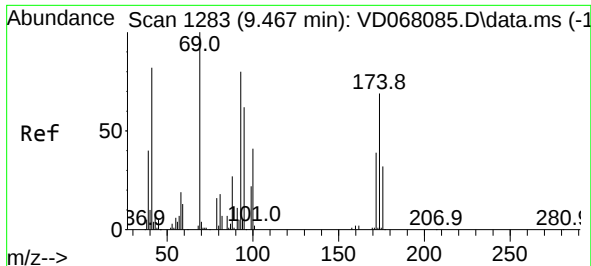
Tgt Ion: 83 Resp: 63962  
Ion Ratio Lower Upper  
83 100  
85 65.3 51.6 77.4  
127 8.4 7.4 11.0



#48  
Methyl methacrylate  
Concen: 125.25 ug/l  
RT: 9.461 min Scan# 1282  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 41 Resp: 48860  
Ion Ratio Lower Upper  
41 100  
69 97.9 77.1 115.7  
39 58.1 41.5 62.3

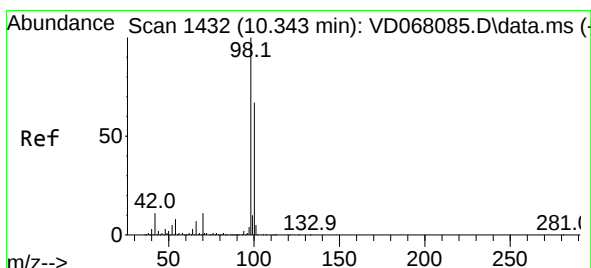
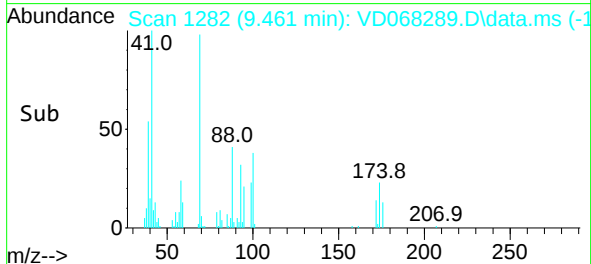
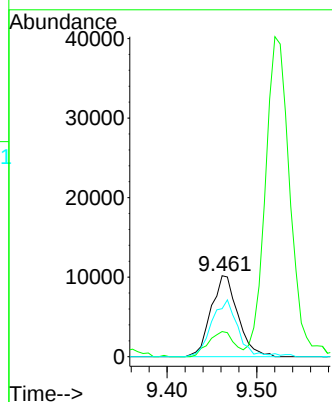
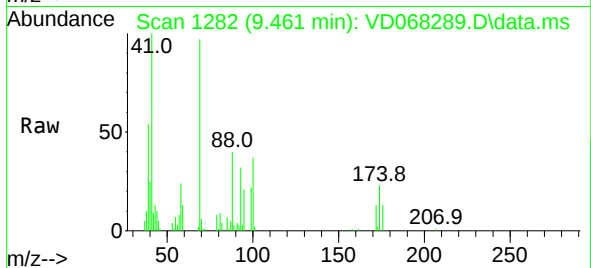




#49  
1,4-Dioxane  
Concen: 4894.08 ug/l  
RT: 9.461 min Scan# 1282  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

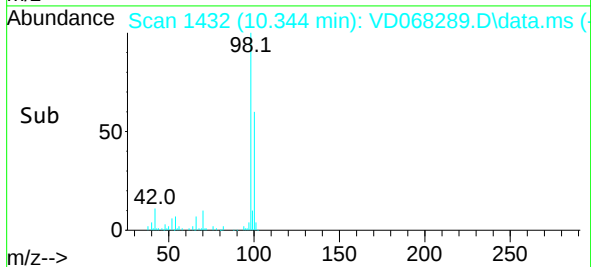
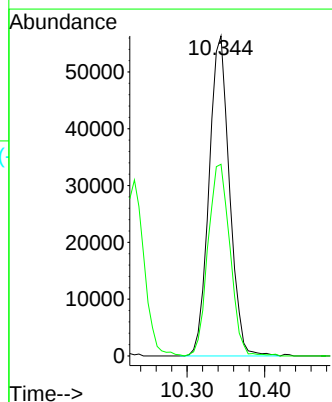
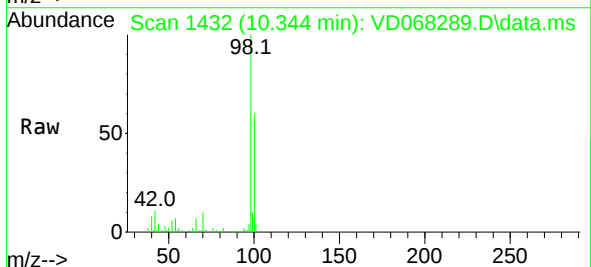
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

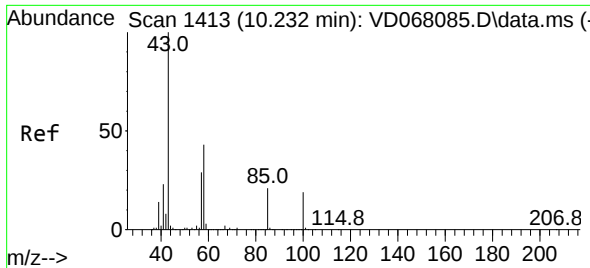
Tgt Ion: 88 Resp: 21156  
Ion Ratio Lower Upper  
88 100  
43 29.7 22.1 33.1  
58 67.8 46.7 70.1



#50  
Toluene-d8  
Concen: 44.29 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 98 Resp: 103263  
Ion Ratio Lower Upper  
98 100  
100 64.5 53.0 79.4

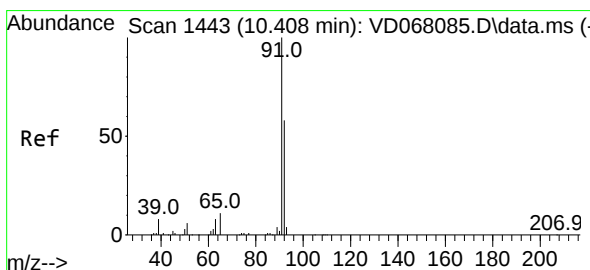
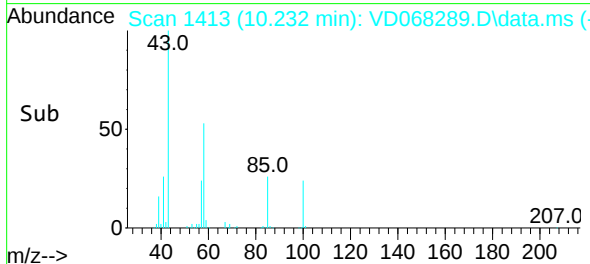
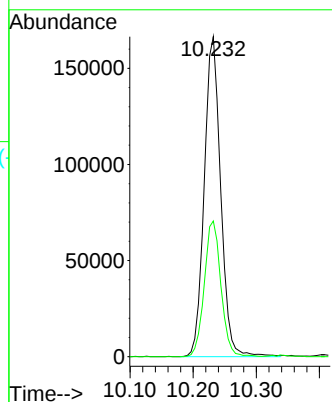
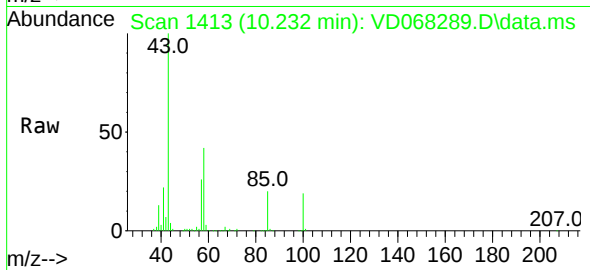




#51  
4-Methyl-2-Pentanone  
Concen: 829.33 ug/l  
RT: 10.232 min Scan# 1413  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

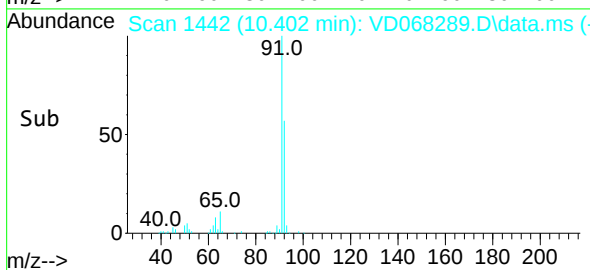
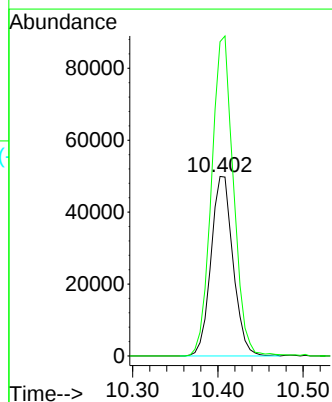
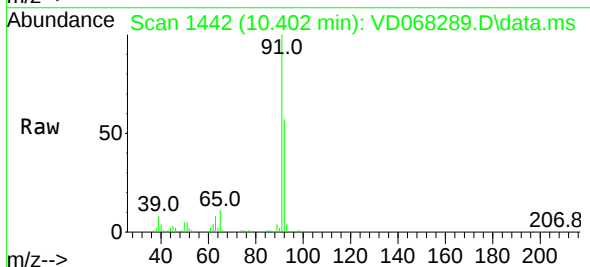
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

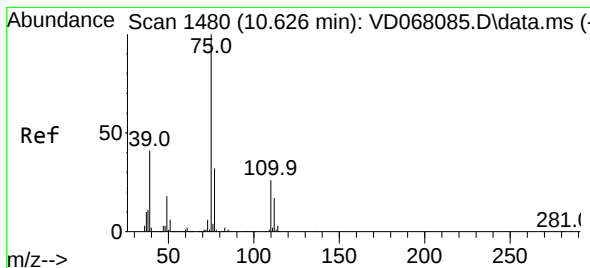
Tgt Ion: 43 Resp: 302156  
Ion Ratio Lower Upper  
43 100  
58 42.9 36.1 54.1



#52  
Toluene  
Concen: 46.40 ug/l  
RT: 10.402 min Scan# 1442  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 92 Resp: 89868  
Ion Ratio Lower Upper  
92 100  
91 177.6 134.1 201.1

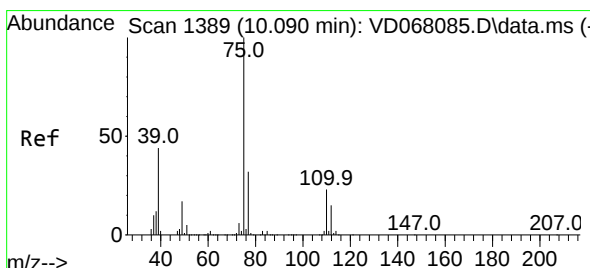
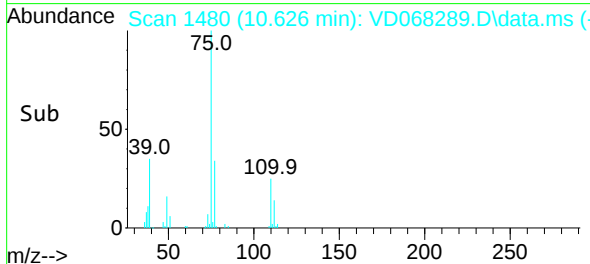
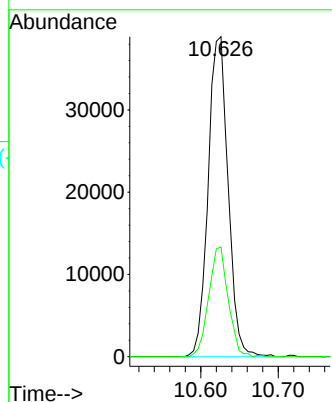
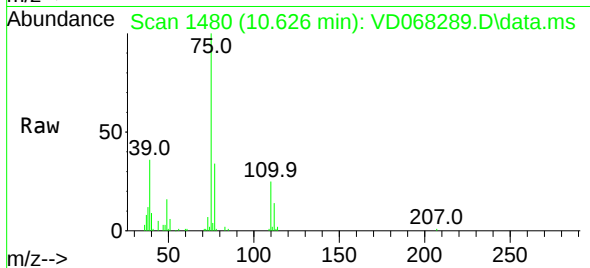




#53  
t-1,3-Dichloropropene  
Concen: 69.18 ug/l  
RT: 10.626 min Scan# 1480  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

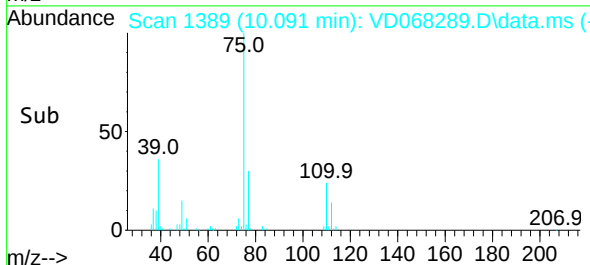
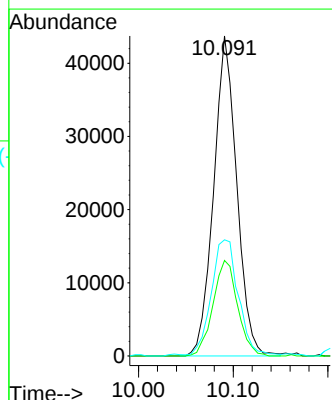
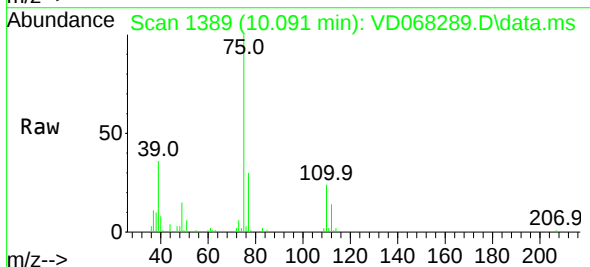
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

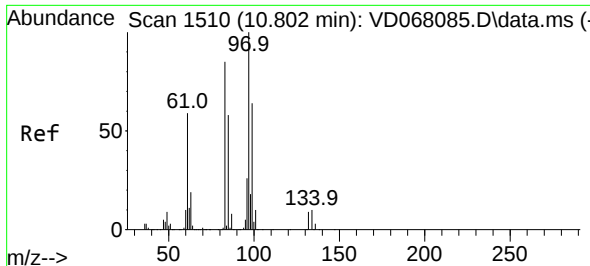
Tgt Ion: 75 Resp: 69691  
Ion Ratio Lower Upper  
75 100  
77 34.3 25.0 37.4



#54  
cis-1,3-Dichloropropene  
Concen: 61.84 ug/l  
RT: 10.091 min Scan# 1389  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

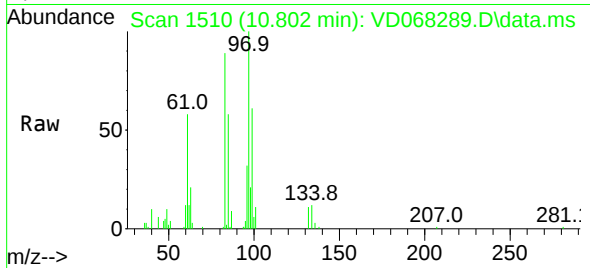
Tgt Ion: 75 Resp: 74166  
Ion Ratio Lower Upper  
75 100  
77 29.9 24.6 37.0  
39 35.9 31.4 47.0



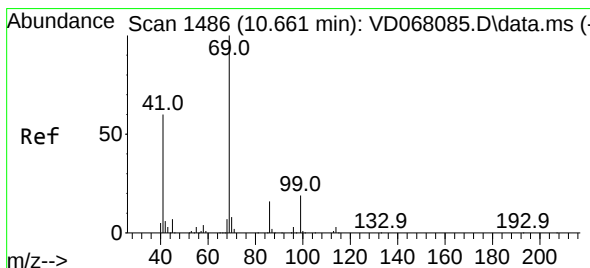
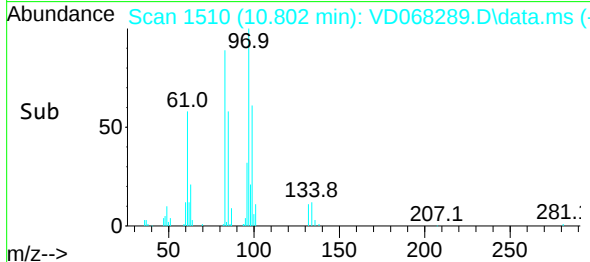
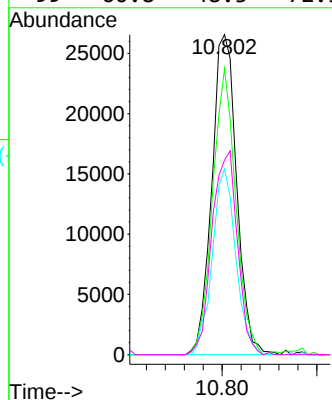


#55  
1,1,2-Trichloroethane  
Concen: 92.68 ug/l  
RT: 10.802 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

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

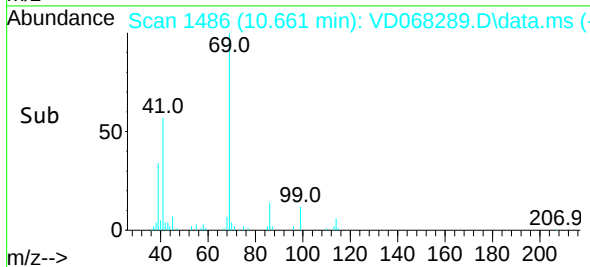
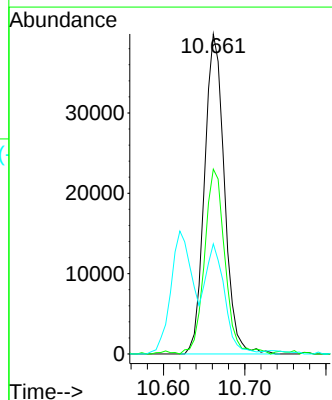
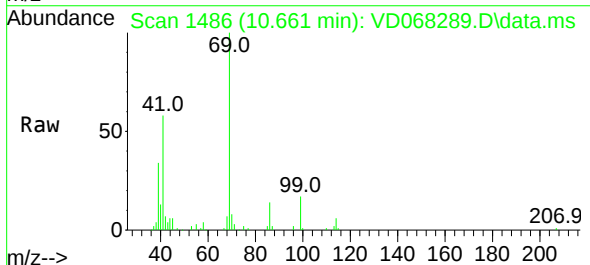


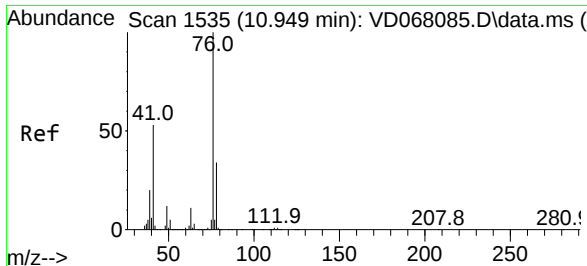
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 48449 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 89.4  | 61.8  | 92.6  |
| 85       | 58.0  | 42.2  | 63.2  |
| 99       | 60.8  | 48.3  | 72.5  |



#56  
Ethyl methacrylate  
Concen: 97.04 ug/l  
RT: 10.661 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 67576 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 59.5  | 44.9  | 67.3  |
| 39       | 33.6  | 21.9  | 32.9# |

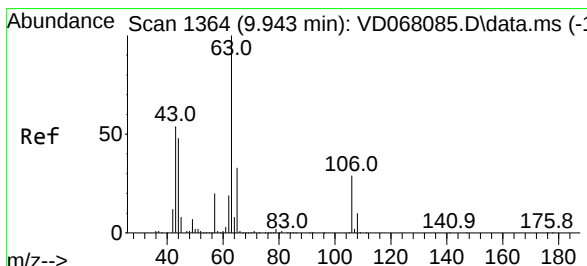
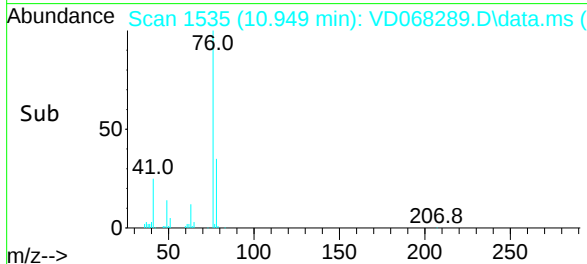
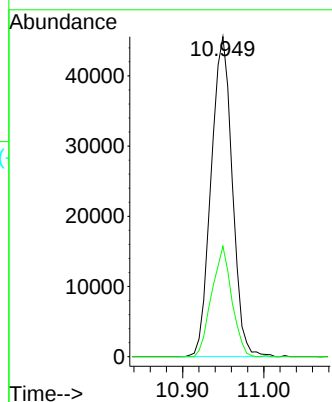
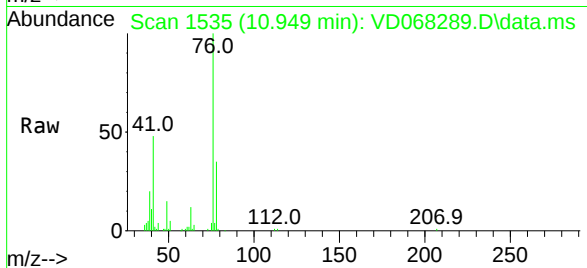




#57  
1,3-Dichloropropane  
Concen: 89.47 ug/l  
RT: 10.949 min Scan# 1535  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

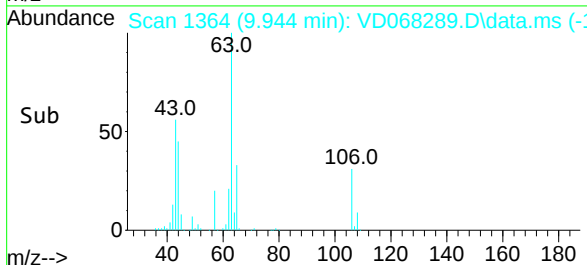
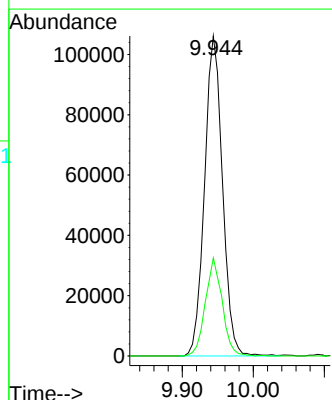
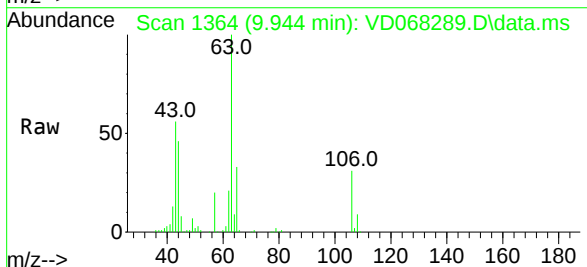
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

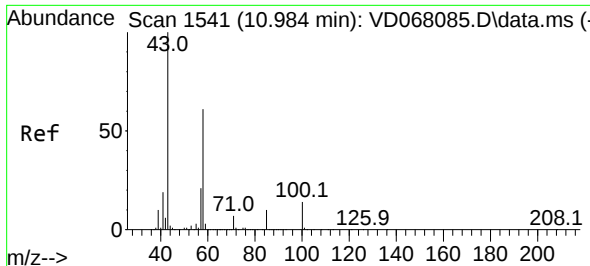
Tgt Ion: 76 Resp: 82526  
Ion Ratio Lower Upper  
76 100  
78 32.7 25.6 38.4



#58  
2-Chloroethyl Vinyl ether  
Concen: 580.96 ug/l  
RT: 9.944 min Scan# 1364  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 63 Resp: 186693  
Ion Ratio Lower Upper  
63 100  
106 28.7 27.0 40.4

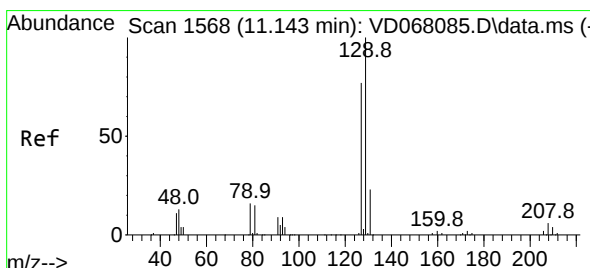
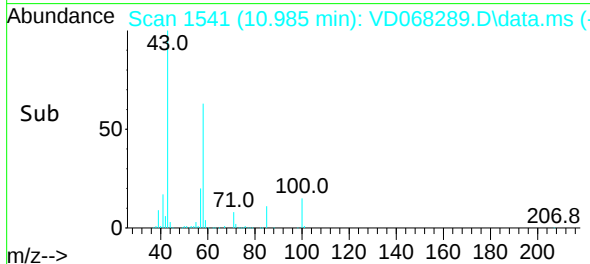
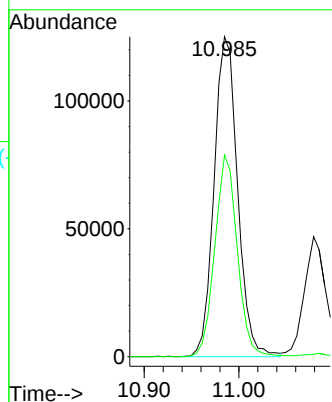
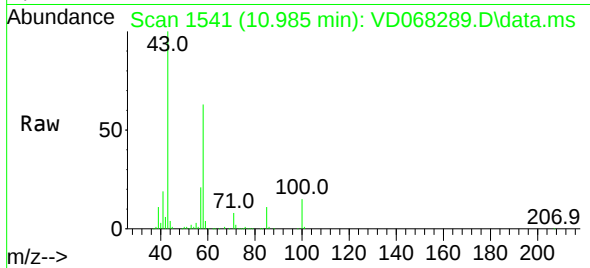




#59  
2-Hexanone  
Concen: 856.10 ug/l  
RT: 10.985 min Scan# 1541  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

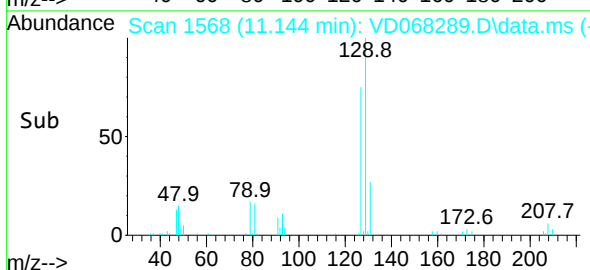
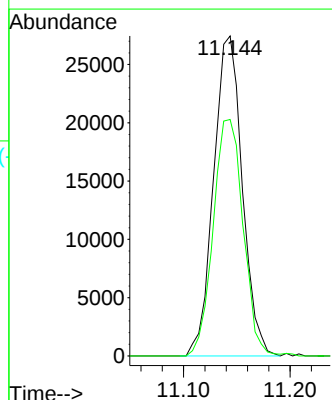
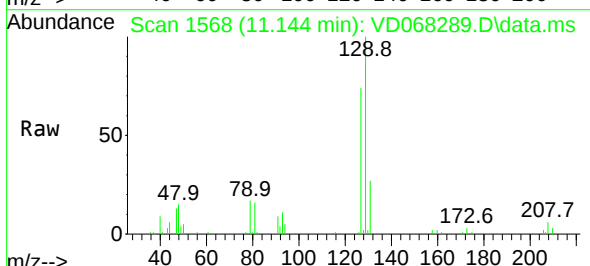
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

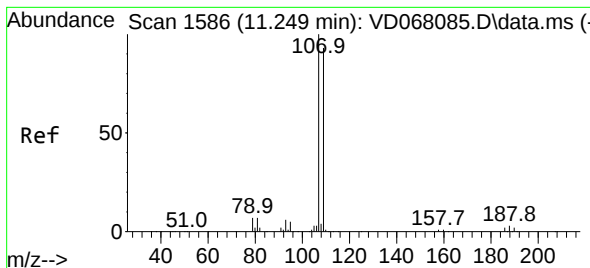
Tgt Ion: 43 Resp: 216207  
Ion Ratio Lower Upper  
43 100  
58 60.3 31.0 93.0



#60  
Dibromochloromethane  
Concen: 78.35 ug/l  
RT: 11.144 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 129 Resp: 51357  
Ion Ratio Lower Upper  
129 100  
127 77.1 38.6 116.0

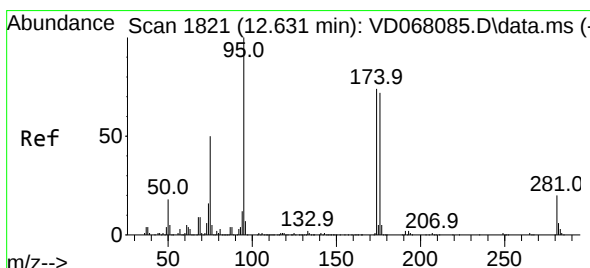
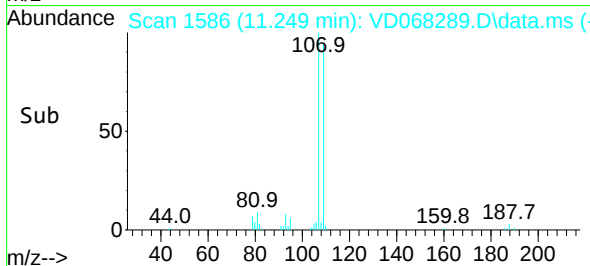
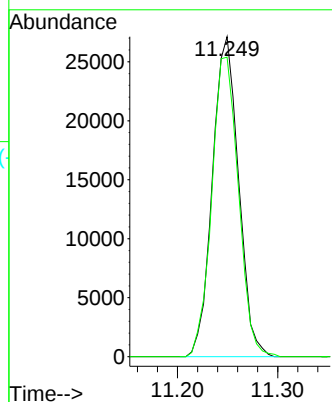
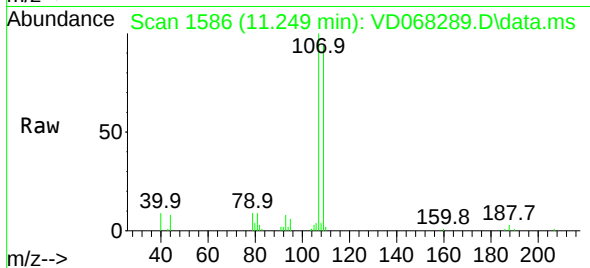




#61  
1,2-Dibromoethane  
Concen: 95.41 ug/l  
RT: 11.249 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

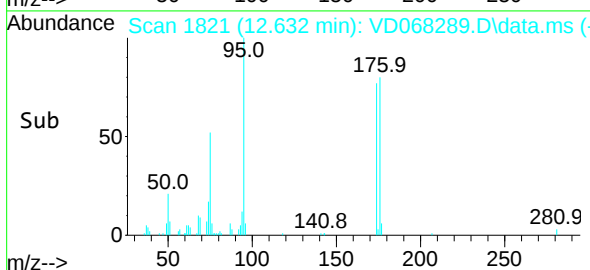
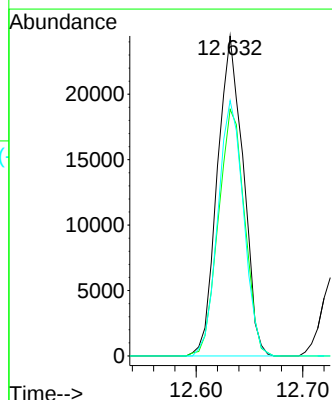
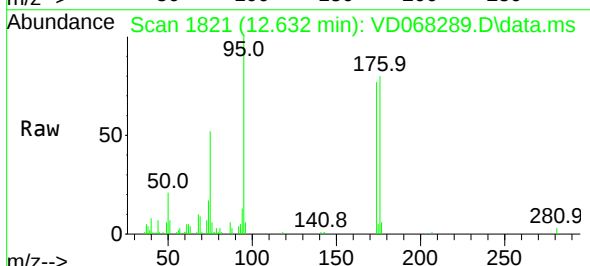
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

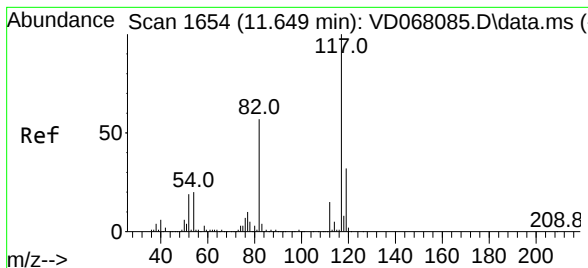
Tgt Ion:107 Resp: 49211  
Ion Ratio Lower Upper  
107 100  
109 95.6 74.8 112.2



#62  
4-Bromofluorobenzene  
Concen: 49.13 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 95 Resp: 41248  
Ion Ratio Lower Upper  
95 100  
174 78.1 0.0 172.4  
176 79.0 0.0 168.4

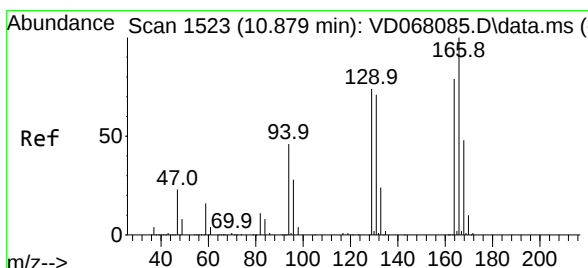
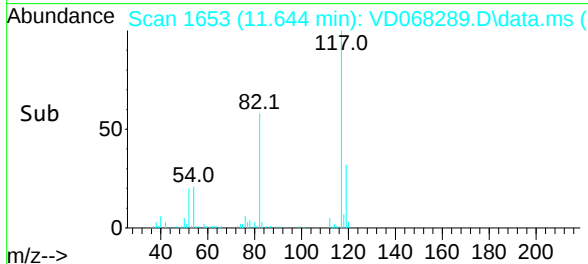
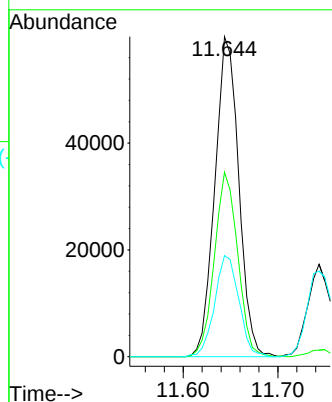
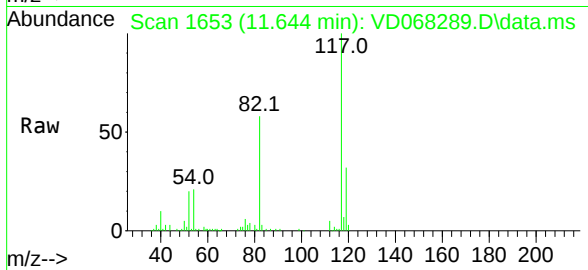




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. -0.005 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

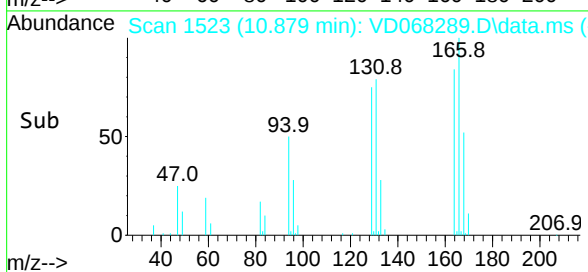
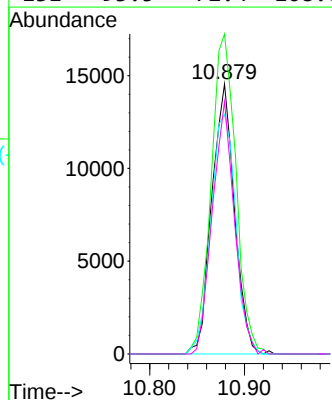
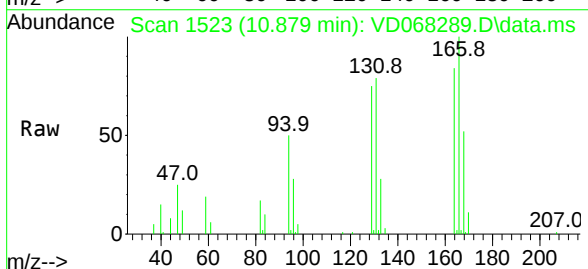
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

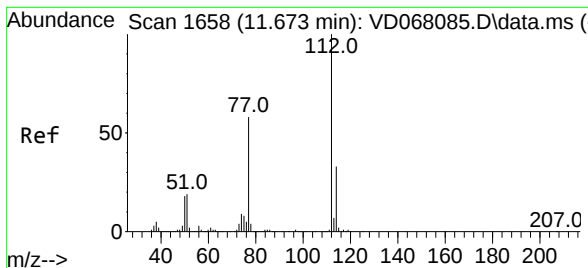
Tgt Ion:117 Resp: 105108  
Ion Ratio Lower Upper  
117 100  
82 57.6 41.4 62.0  
119 31.6 26.1 39.1



#64  
Tetrachloroethene  
Concen: 32.88 ug/l  
RT: 10.879 min Scan# 1523  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion:164 Resp: 24359  
Ion Ratio Lower Upper  
164 100  
166 118.6 105.5 158.3  
129 88.7 75.6 113.4  
131 93.5 72.4 108.6

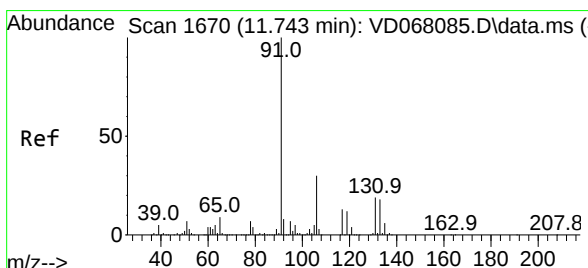
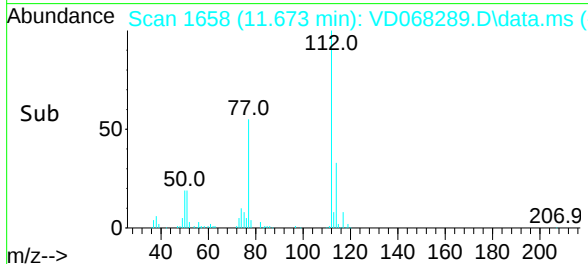
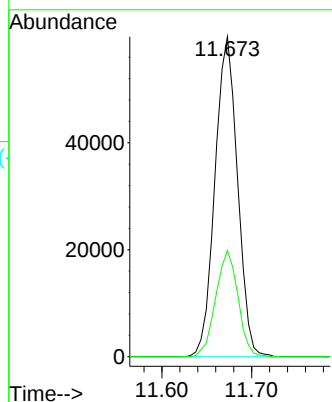
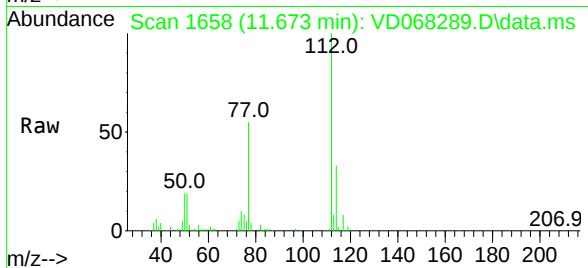




#65  
Chlorobenzene  
Concen: 46.76 ug/l  
RT: 11.673 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

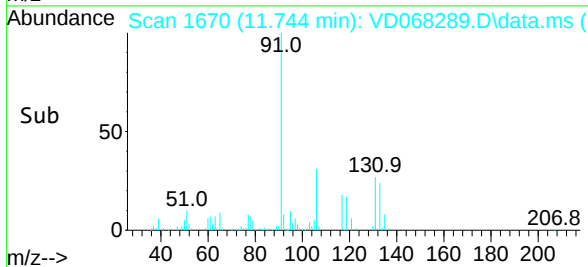
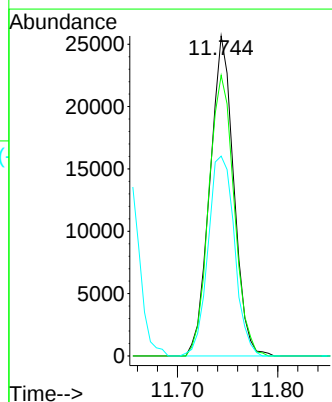
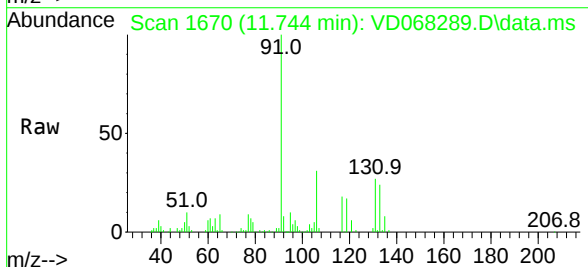
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

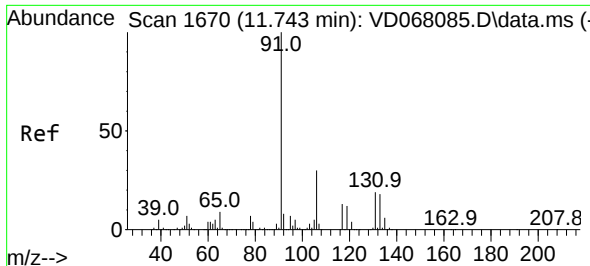
Tgt Ion:112 Resp: 104435  
Ion Ratio Lower Upper  
112 100  
114 33.2 25.7 38.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 54.14 ug/l  
RT: 11.744 min Scan# 1670  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion:131 Resp: 42527  
Ion Ratio Lower Upper  
131 100  
133 92.7 48.1 144.4  
119 68.9 31.6 94.8

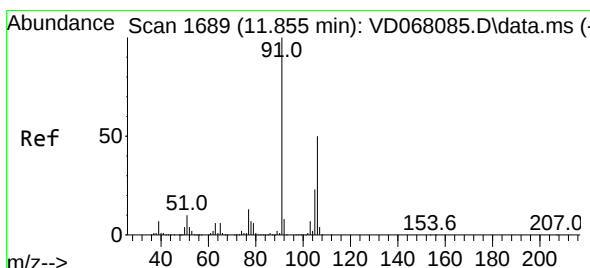
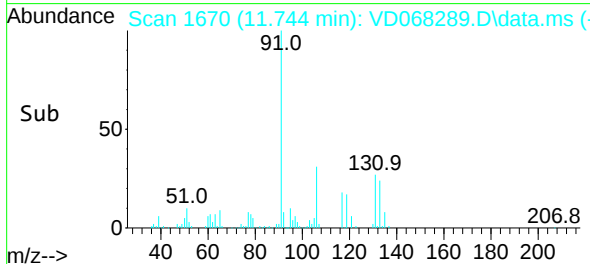
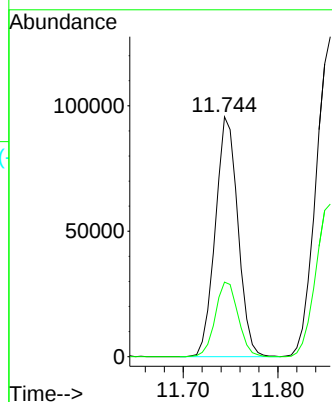
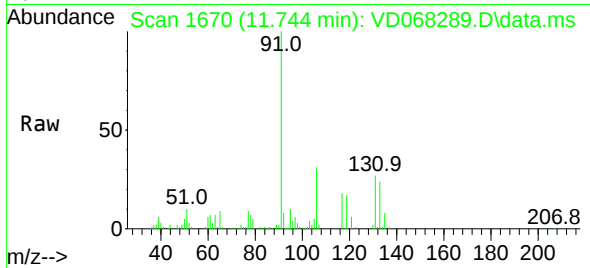




#67  
Ethyl Benzene  
Concen: 38.33 ug/l  
RT: 11.744 min Scan# 1670  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

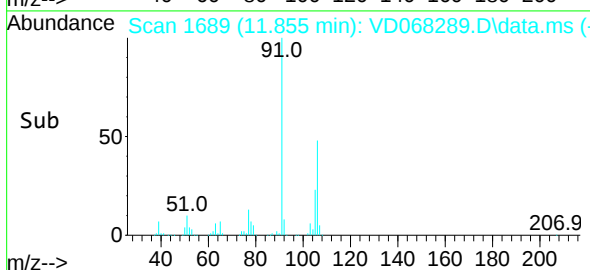
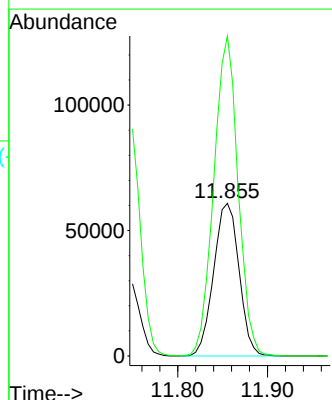
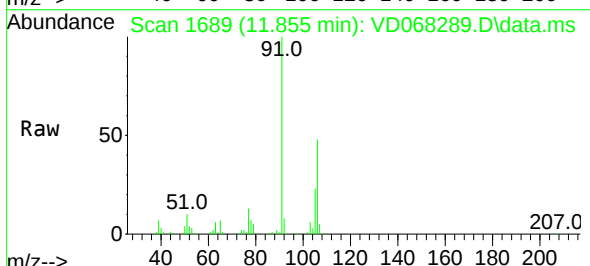
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

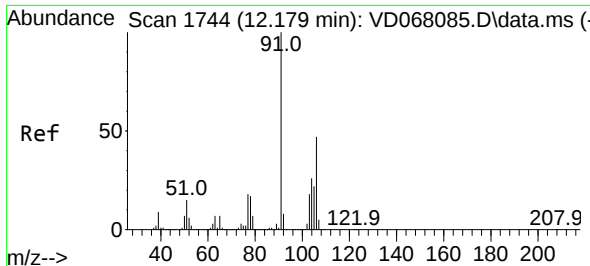
Tgt Ion: 91 Resp: 158505  
Ion Ratio Lower Upper  
91 100  
106 31.1 25.9 38.9



#68  
m/p-Xylenes  
Concen: 76.51 ug/l  
RT: 11.855 min Scan# 1689  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion:106 Resp: 119443  
Ion Ratio Lower Upper  
106 100  
91 200.6 159.1 238.7

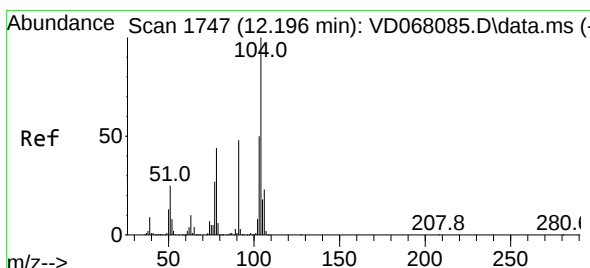
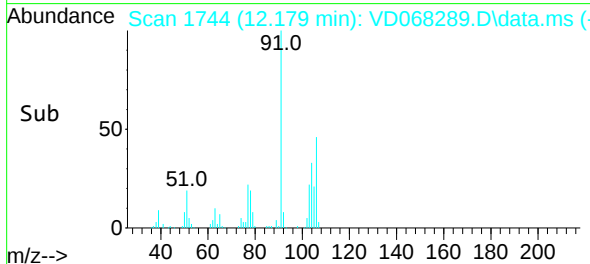
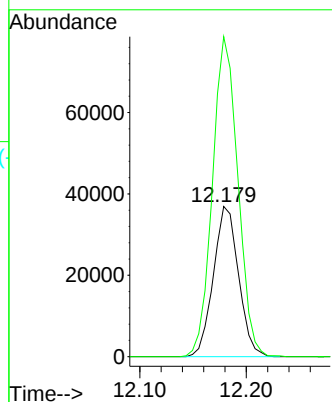
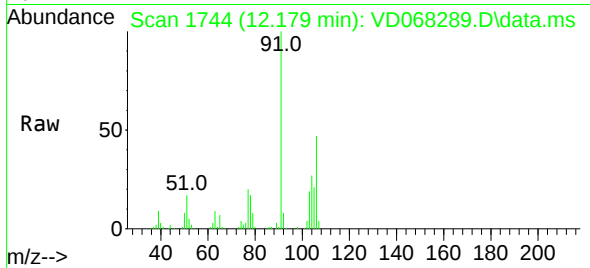




#69  
o-Xylene  
Concen: 41.72 ug/l  
RT: 12.179 min Scan# 1744  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

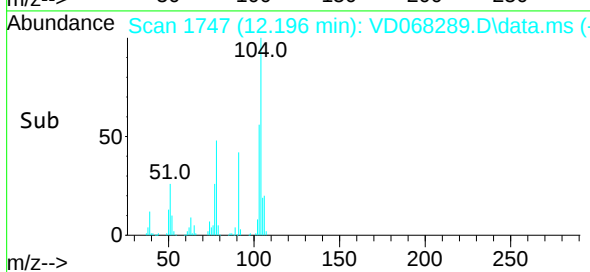
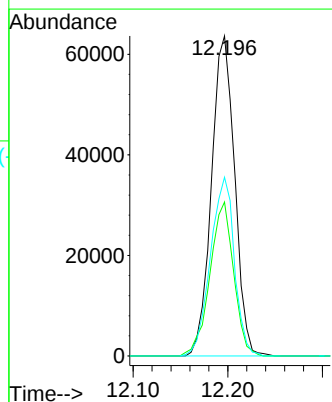
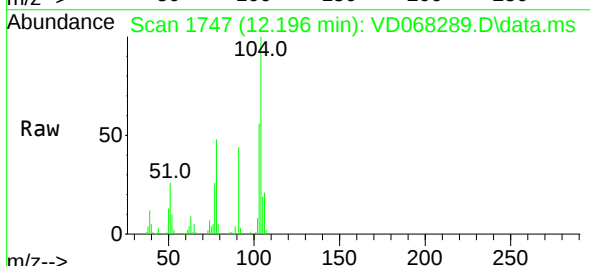
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

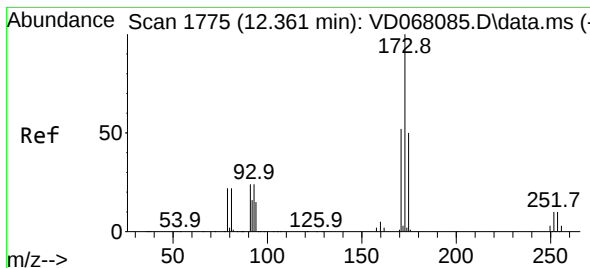
Tgt Ion:106 Resp: 60494  
Ion Ratio Lower Upper  
106 100  
91 215.1 108.7 325.9



#70  
Styrene  
Concen: 43.78 ug/l  
RT: 12.196 min Scan# 1747  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion:104 Resp: 108350  
Ion Ratio Lower Upper  
104 100  
78 49.1 38.2 57.2  
103 57.6 43.1 64.7





#71

Bromoform

Concen: 87.83 ug/l

RT: 12.361 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VD068289.D

Acq: 04 Feb 2021 20:56

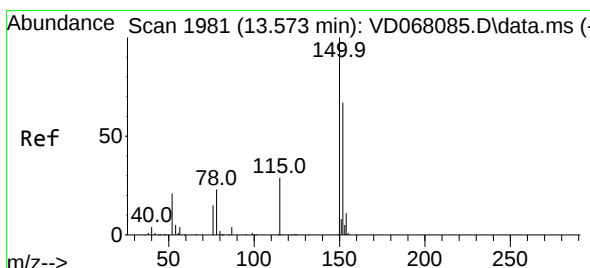
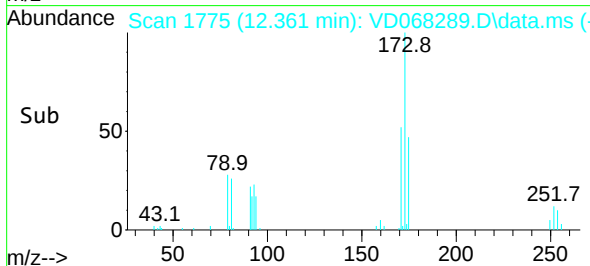
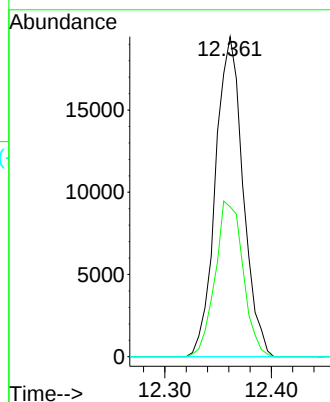
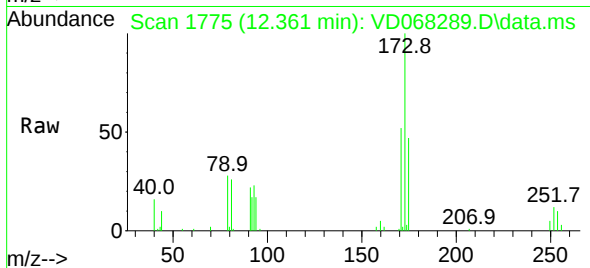
Tgt Ion:173 Resp: 34973

Ion Ratio Lower Upper

173 100

175 49.1 24.6 73.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.573 min Scan# 1981

Delta R.T. 0.000 min

Lab File: VD068289.D

Acq: 04 Feb 2021 20:56

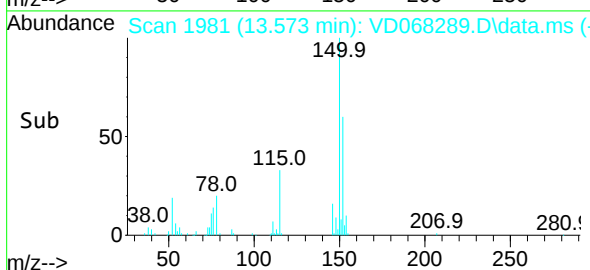
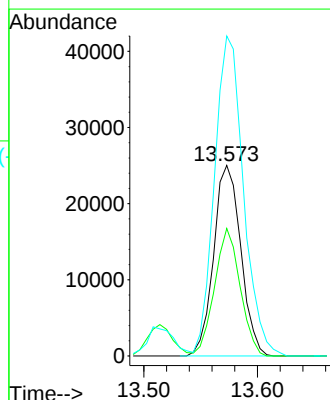
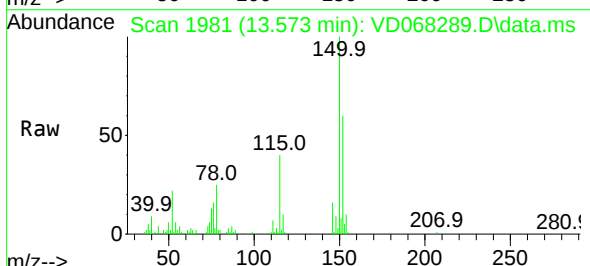
Tgt Ion:152 Resp: 41542

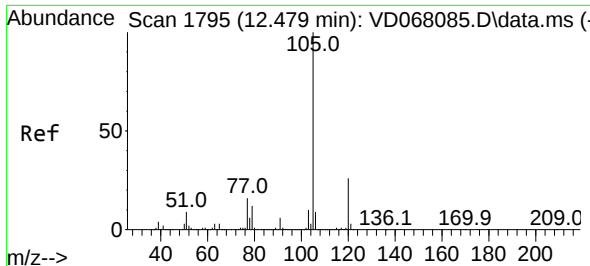
Ion Ratio Lower Upper

152 100

115 62.9 28.9 86.8

150 179.5 0.0 344.4

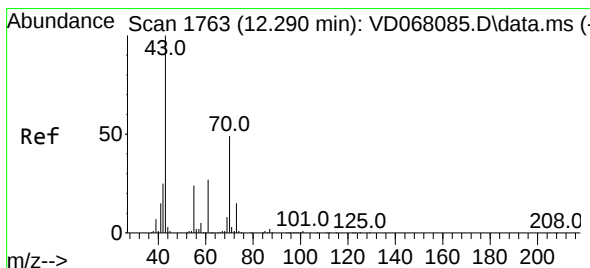
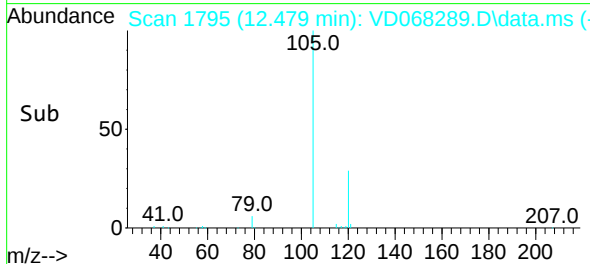
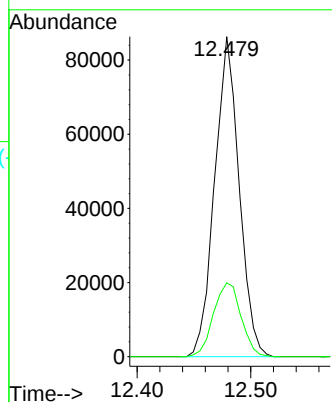
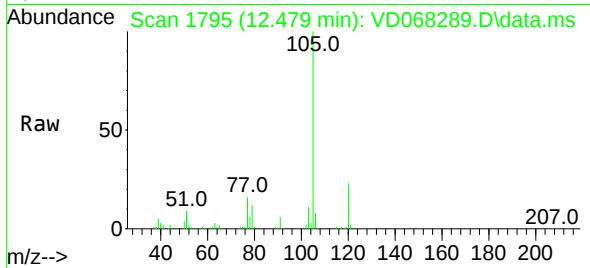




#73  
Isopropylbenzene  
Concen: 37.37 ug/l  
RT: 12.479 min Scan# 1795  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

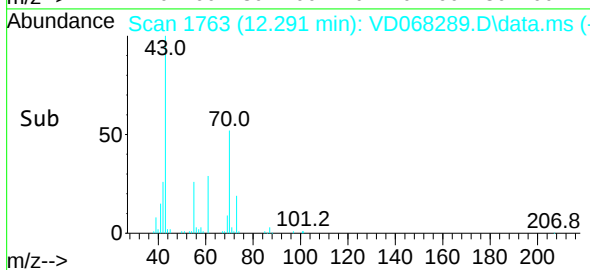
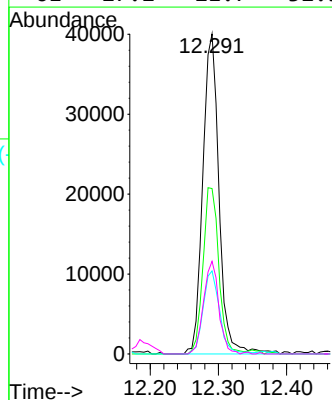
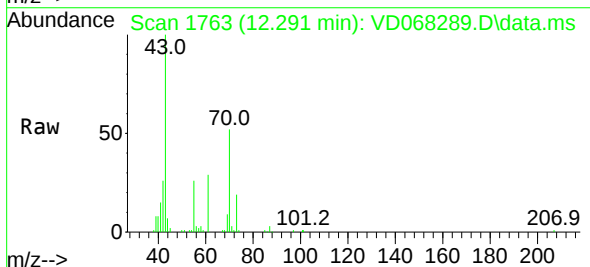
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

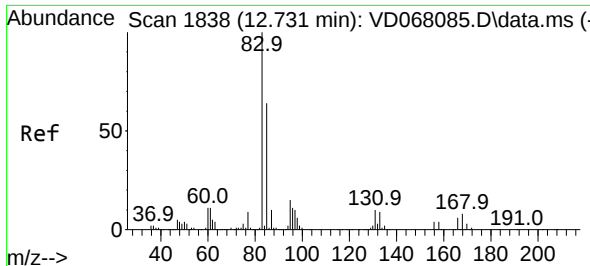
Tgt Ion:105 Resp: 129179  
Ion Ratio Lower Upper  
105 100  
120 25.9 13.2 39.6



#74  
N-ethyl acetate  
Concen: 92.26 ug/l  
RT: 12.291 min Scan# 1763  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 43 Resp: 66290  
Ion Ratio Lower Upper  
43 100  
70 50.8 41.8 62.8  
55 26.2 24.2 36.4  
61 27.2 21.7 32.5

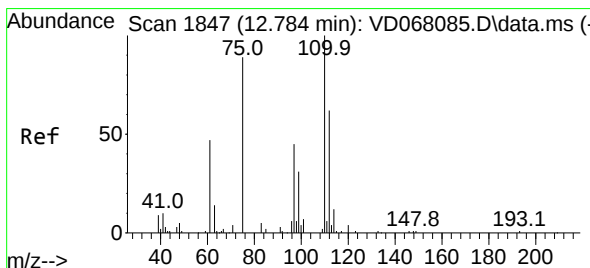
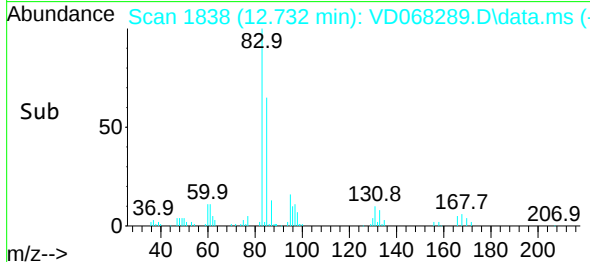
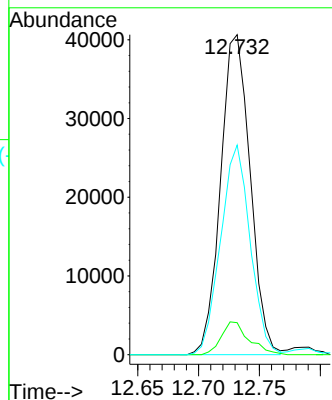
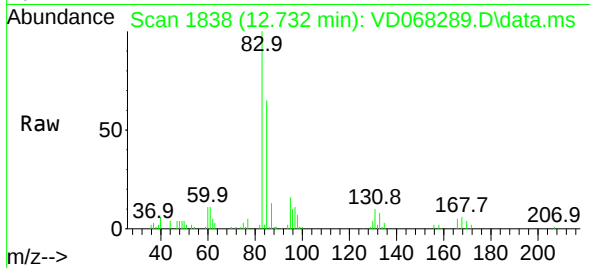




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 124.99 ug/l  
 RT: 12.732 min Scan# 1838  
 Delta R.T. 0.000 min  
 Lab File: VD068289.D  
 Acq: 04 Feb 2021 20:56

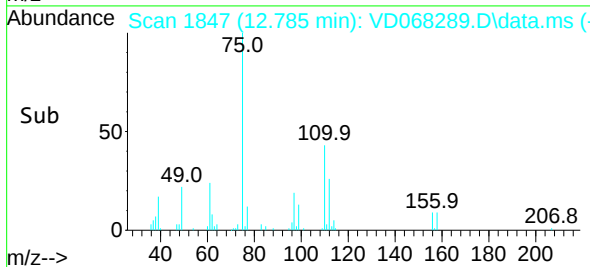
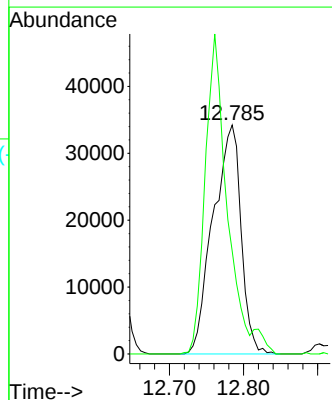
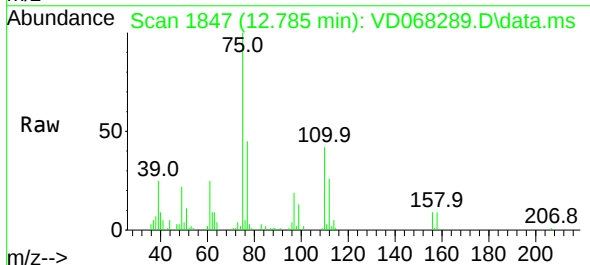
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 ClientSampleId :  
 OU421-005-0510MSD

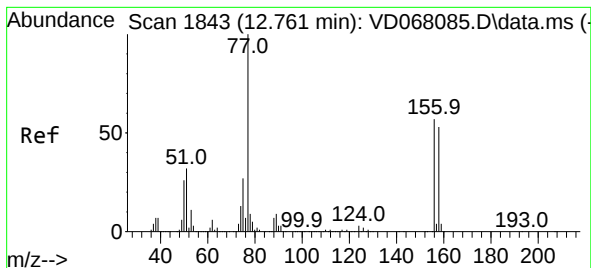
Tgt Ion: 83 Resp: 68719  
 Ion Ratio Lower Upper  
 83 100  
 131 9.6 5.8 17.4  
 85 65.3 32.4 97.2



#76  
 1,2,3-Trichloropropane  
 Concen: 222.72 ug/l  
 RT: 12.785 min Scan# 1847  
 Delta R.T. 0.000 min  
 Lab File: VD068289.D  
 Acq: 04 Feb 2021 20:56

Tgt Ion: 75 Resp: 89460  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0

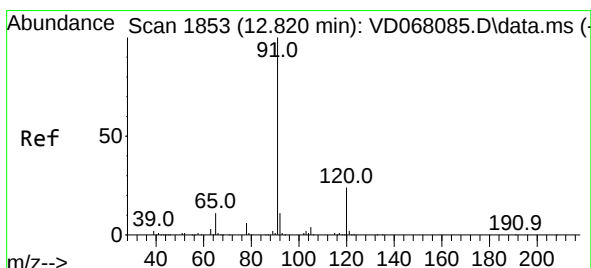
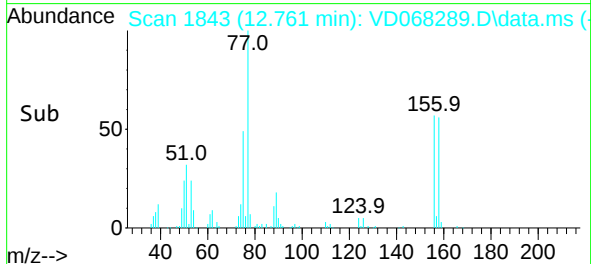
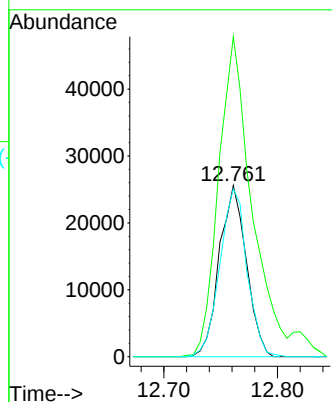
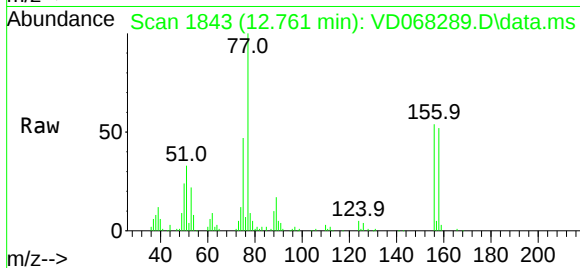




#77  
Bromobenzene  
Concen: 57.14 ug/l  
RT: 12.761 min Scan# 1843  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

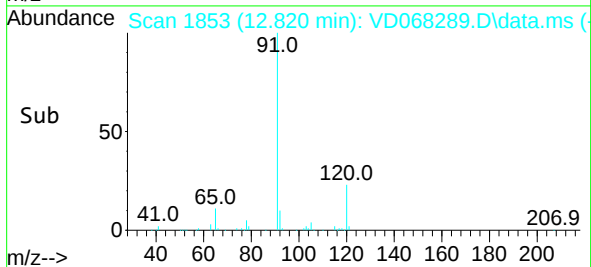
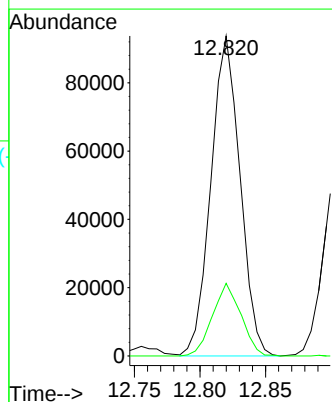
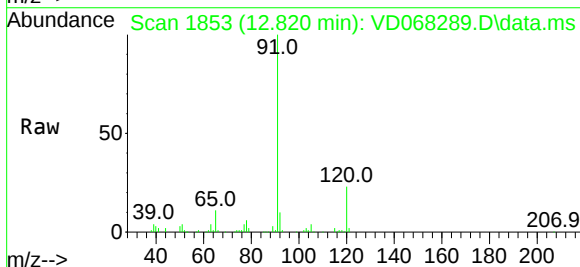
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ClientSampleId :  
OU421-005-0510MSD

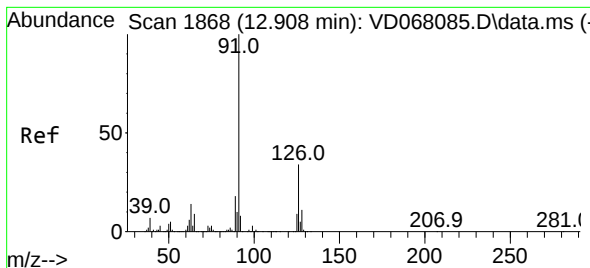
Tgt Ion:156 Resp: 42349  
Ion Ratio Lower Upper  
156 100  
77 226.8 82.8 248.3  
158 98.7 48.0 144.0



#78  
n-propylbenzene  
Concen: 35.39 ug/l  
RT: 12.820 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 91 Resp: 144725  
Ion Ratio Lower Upper  
91 100  
120 22.2 12.0 36.0

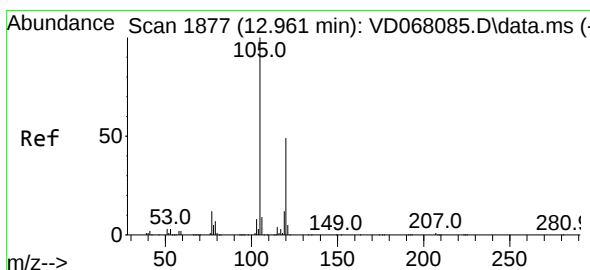
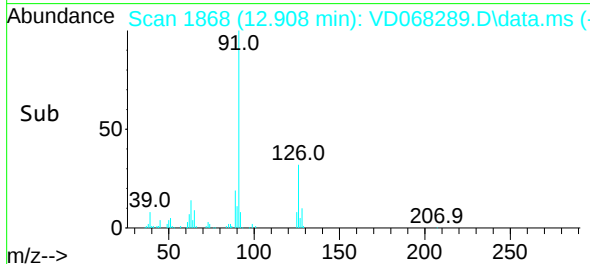
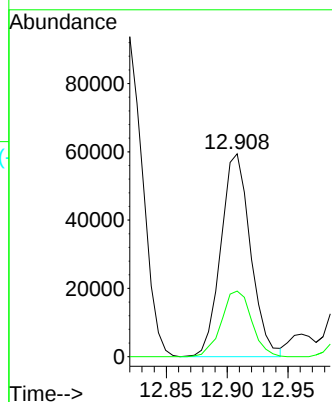
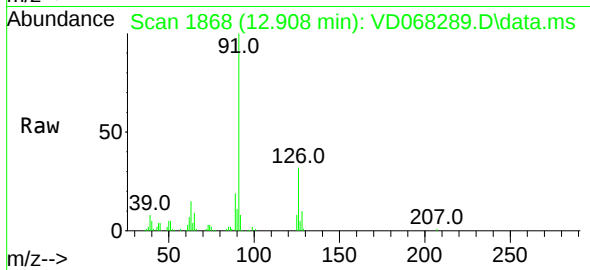




#79  
2-Chlorotoluene  
Concen: 44.06 ug/l  
RT: 12.908 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

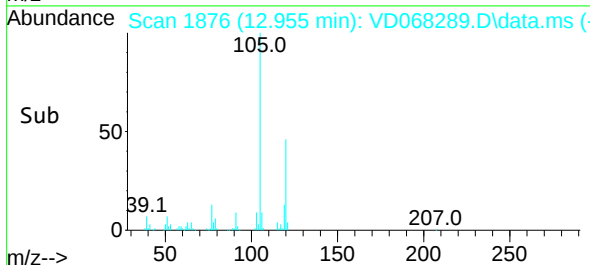
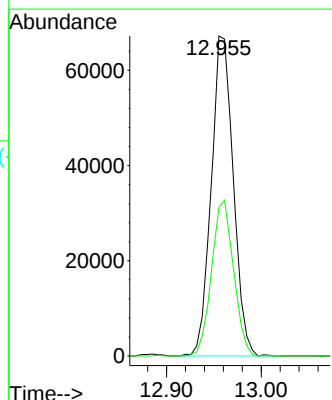
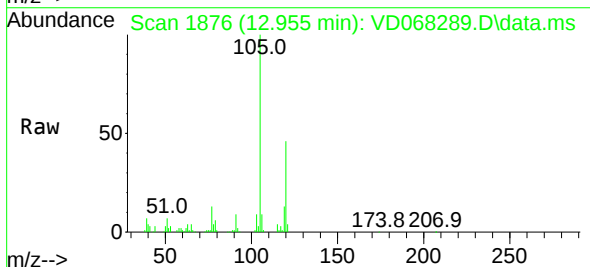
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

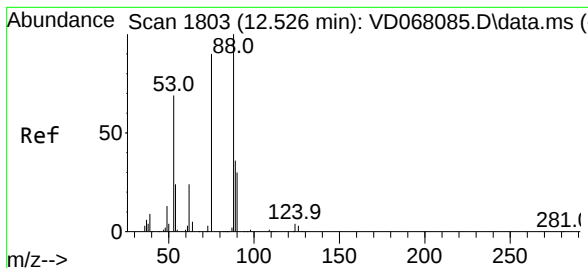
Tgt Ion: 91 Resp: 101171  
Ion Ratio Lower Upper  
91 100  
126 32.9 17.8 53.5



#80  
1,3,5-Trimethylbenzene  
Concen: 37.81 ug/l  
RT: 12.955 min Scan# 1876  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 105 Resp: 108859  
Ion Ratio Lower Upper  
105 100  
120 48.4 24.2 72.6

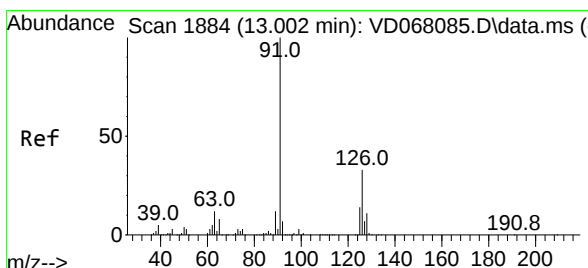
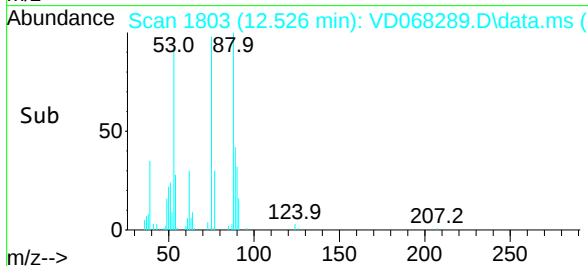
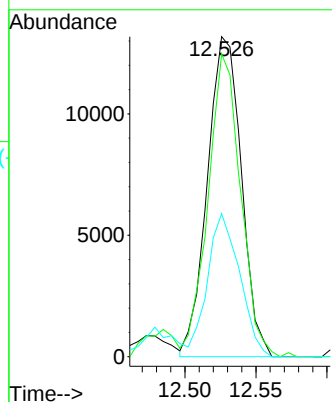
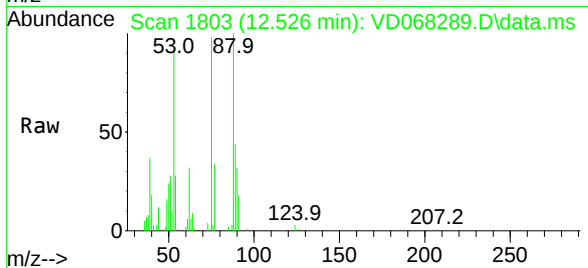




#81  
trans-1,4-Dichloro-2-butene  
Concen: 110.63 ug/l  
RT: 12.526 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

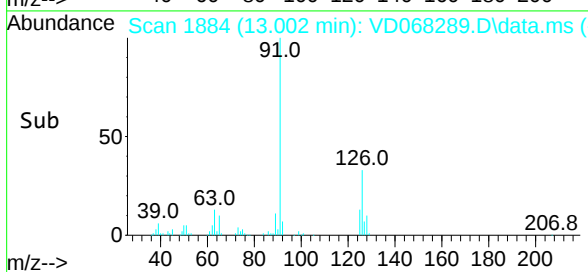
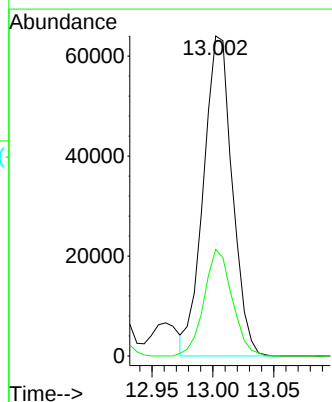
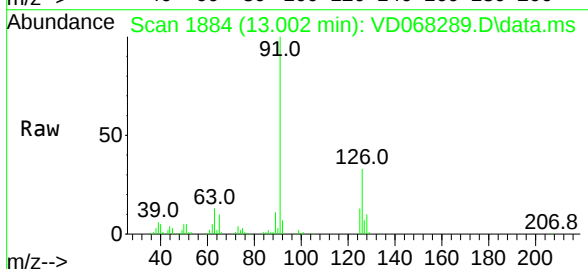
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ClientSampleId :  
OU421-005-0510MSD

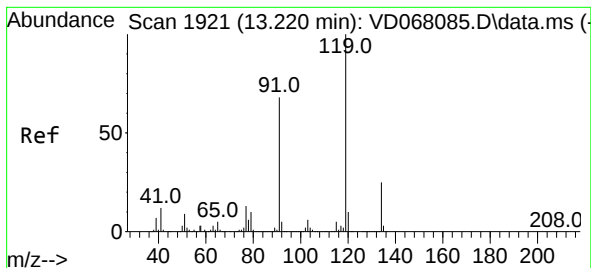
Tgt Ion: 75 Resp: 21960  
Ion Ratio Lower Upper  
75 100  
53 90.8 70.2 105.2  
89 42.1 40.3 60.5



#82  
4-Chlorotoluene  
Concen: 44.12 ug/l  
RT: 13.002 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 91 Resp: 105349  
Ion Ratio Lower Upper  
91 100  
126 32.5 17.7 53.1

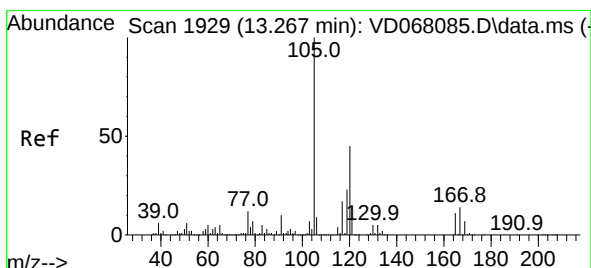
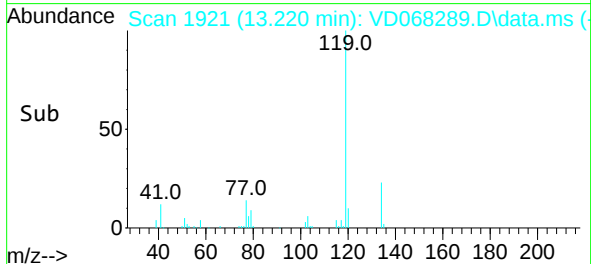
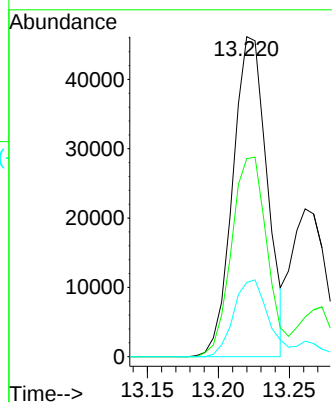
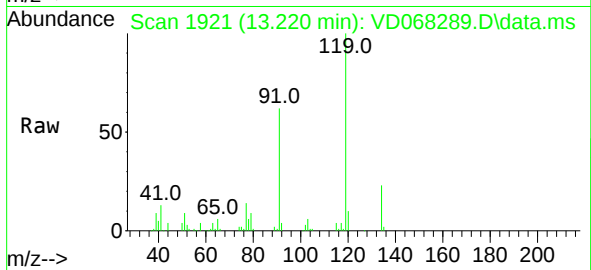




#83  
tert-Butylbenzene  
Concen: 31.81 ug/l  
RT: 13.220 min Scan# 1921  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

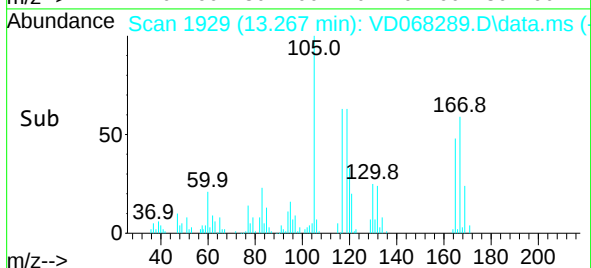
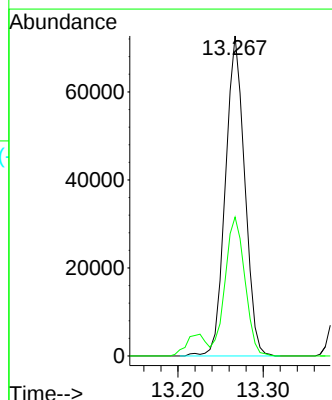
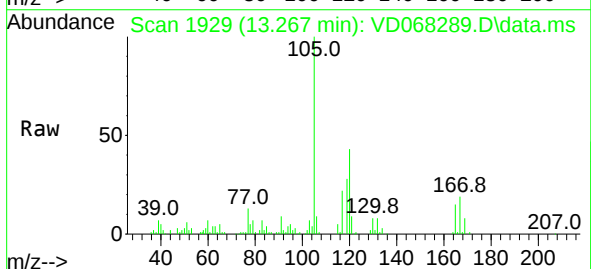
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MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

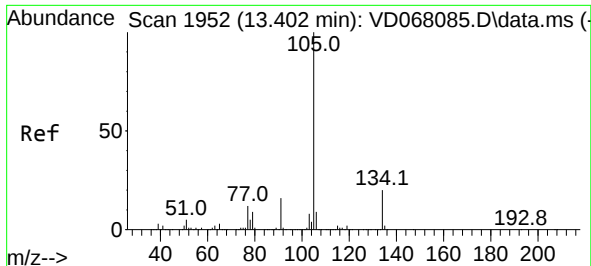
Tgt Ion:119 Resp: 77588  
Ion Ratio Lower Upper  
119 100  
91 64.9 31.1 93.5  
134 24.1 13.3 39.8



#84  
1,2,4-Trimethylbenzene  
Concen: 40.00 ug/l  
RT: 13.267 min Scan# 1929  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion:105 Resp: 114309  
Ion Ratio Lower Upper  
105 100  
120 44.4 22.4 67.0

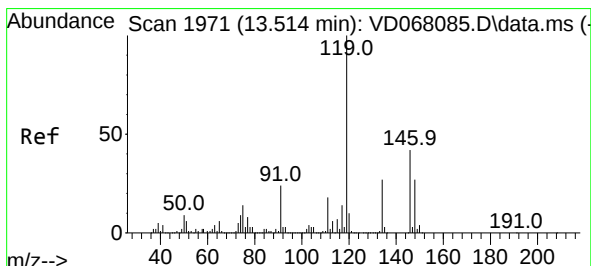
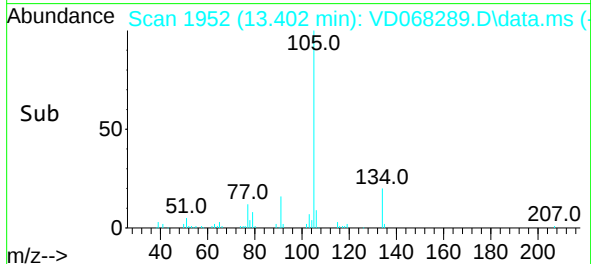
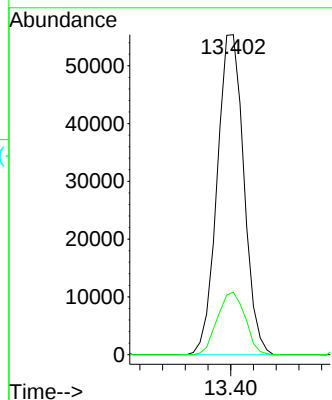
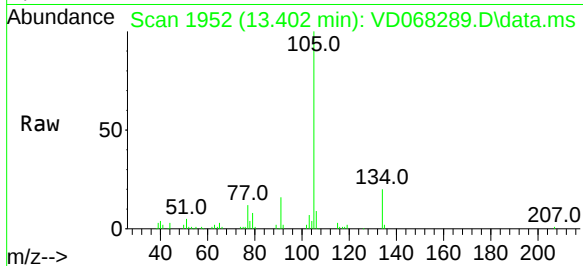




#85  
 sec-Butylbenzene  
 Concen: 26.52 ug/l  
 RT: 13.402 min Scan# 1952  
 Delta R.T. 0.000 min  
 Lab File: VD068289.D  
 Acq: 04 Feb 2021 20:56

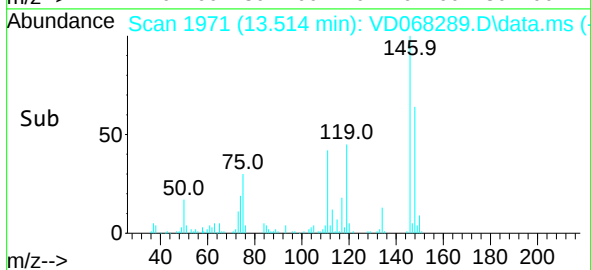
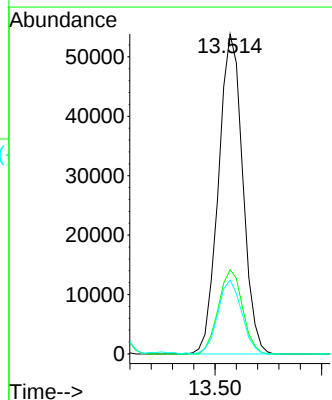
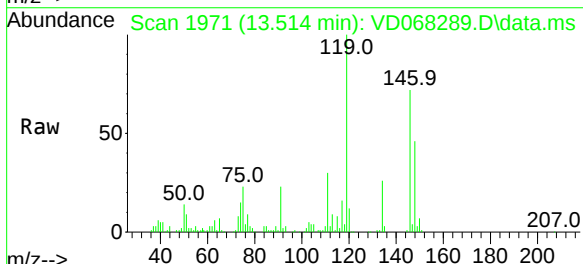
Instrument :  
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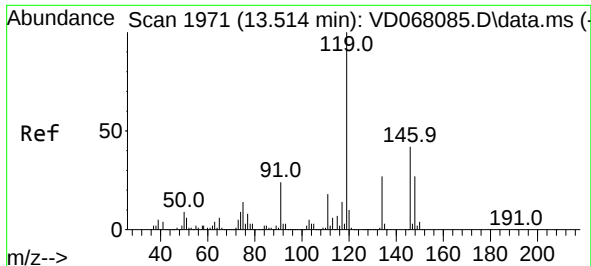
Tgt Ion:105 Resp: 90505  
 Ion Ratio Lower Upper  
 105 100  
 134 20.3 10.3 30.9



#86  
 p-Isopropyltoluene  
 Concen: 27.32 ug/l  
 RT: 13.514 min Scan# 1971  
 Delta R.T. 0.000 min  
 Lab File: VD068289.D  
 Acq: 04 Feb 2021 20:56

Tgt Ion:119 Resp: 84796  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 12.9 38.7  
 91 22.7 11.7 35.0

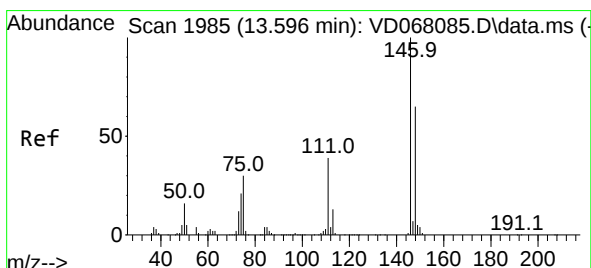
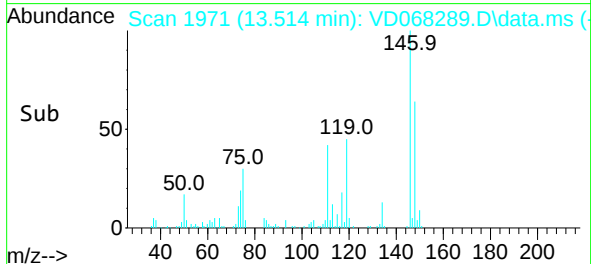
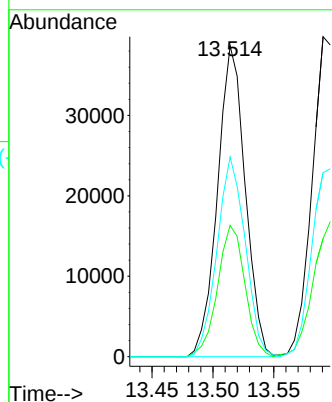
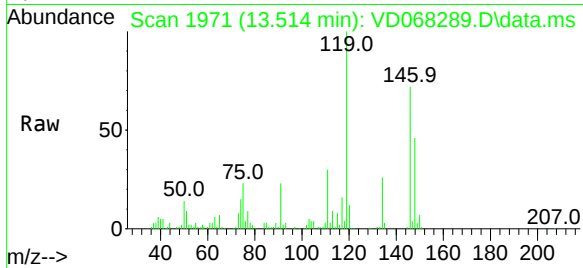




#87  
1,3-Dichlorobenzene  
Concen: 43.13 ug/l  
RT: 13.514 min Scan# 1971  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

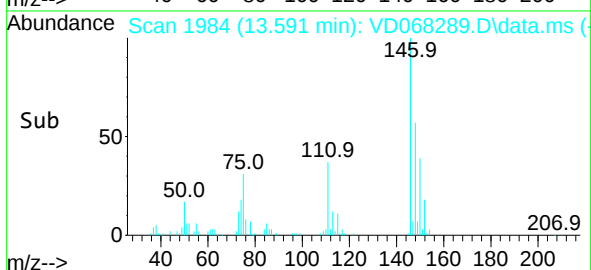
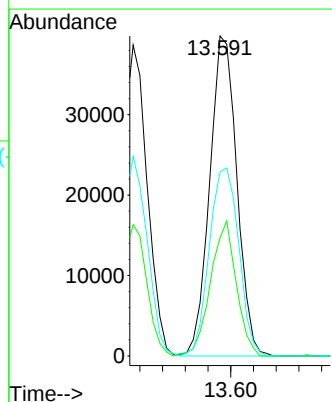
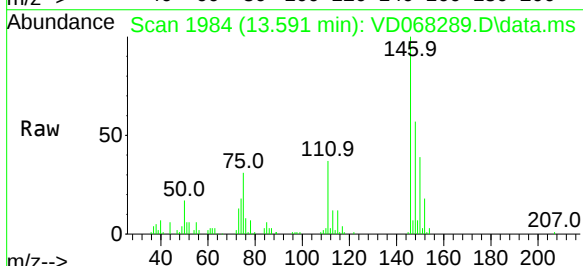
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

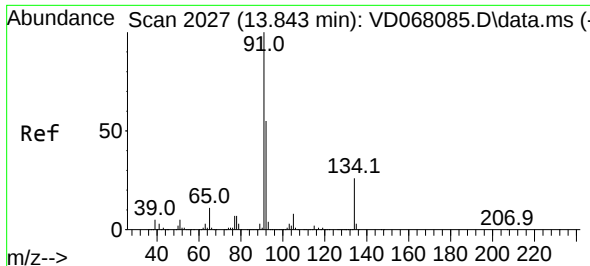
Tgt Ion:146 Resp: 61463  
Ion Ratio Lower Upper  
146 100  
111 41.5 19.5 58.5  
148 65.0 31.6 95.0



#88  
1,4-Dichlorobenzene  
Concen: 47.17 ug/l  
RT: 13.591 min Scan# 1984  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion:146 Resp: 66218  
Ion Ratio Lower Upper  
146 100  
111 40.0 19.1 57.1  
148 63.6 31.9 95.7

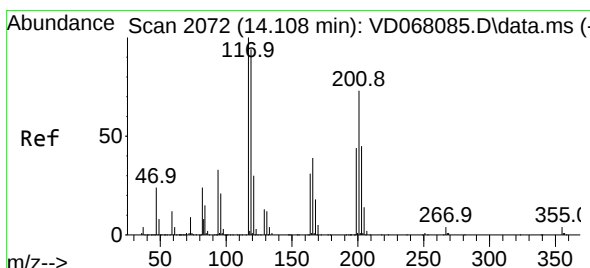
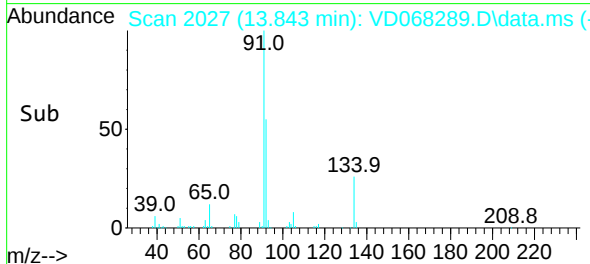
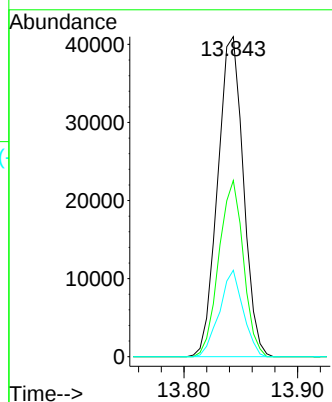
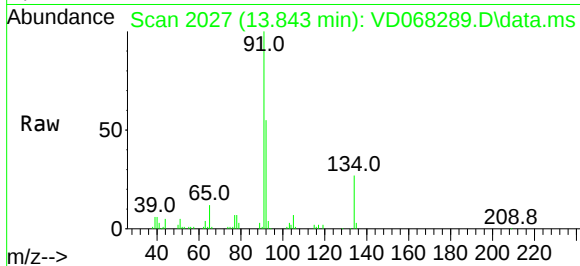




#89  
n-Butylbenzene  
Concen: 21.59 ug/l  
RT: 13.843 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

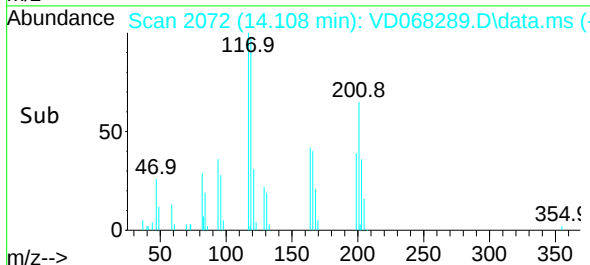
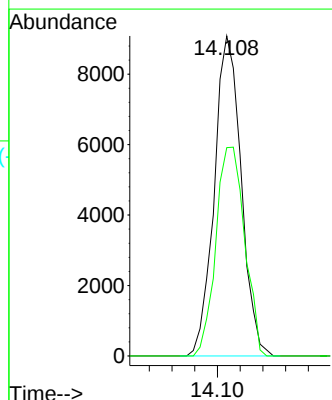
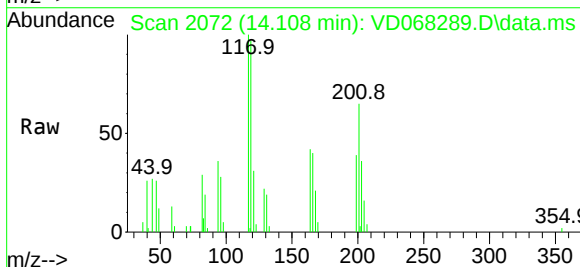
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

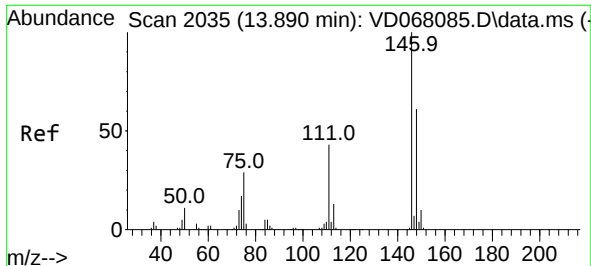
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 64320 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 52.6  | 27.2  | 81.6  |
| 134      | 25.0  | 13.9  | 41.7  |



#90  
Hexachloroethane  
Concen: 26.62 ug/l  
RT: 14.108 min Scan# 2072  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 14924 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 69.9  | 39.5  | 118.5 |

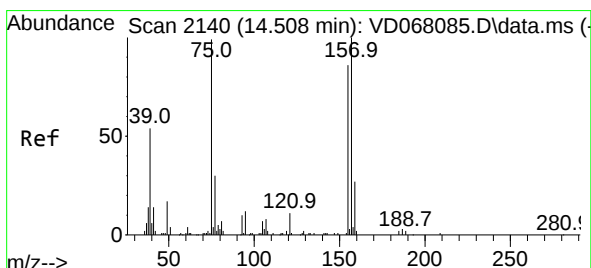
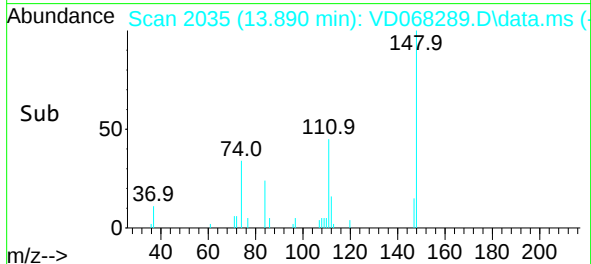
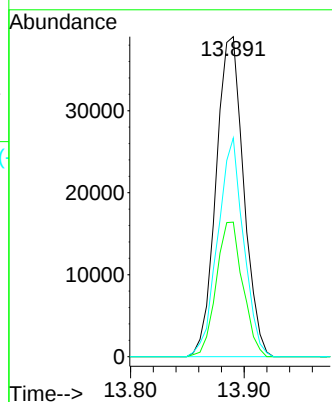
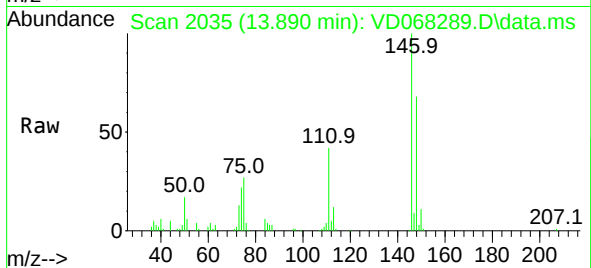




#91  
1,2-Dichlorobenzene  
Concen: 53.94 ug/l  
RT: 13.890 min Scan# 2035  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

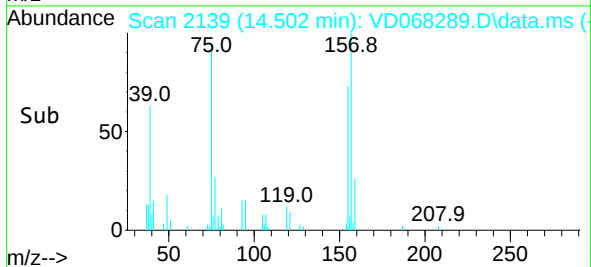
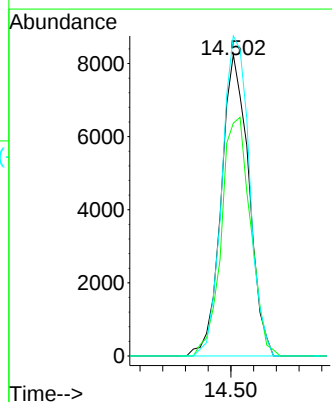
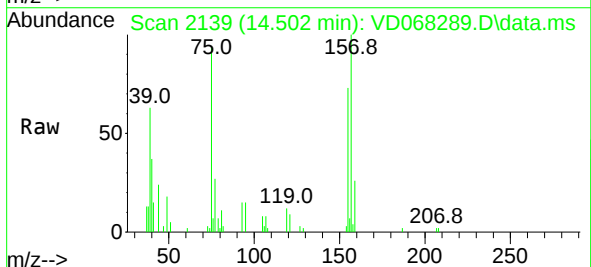
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

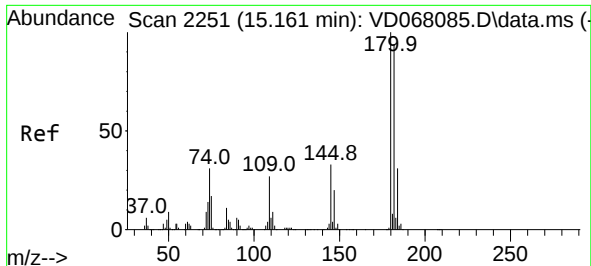
Tgt Ion:146 Resp: 65836  
Ion Ratio Lower Upper  
146 100  
111 40.4 20.3 60.9  
148 64.1 31.7 95.1



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 153.74 ug/l  
RT: 14.502 min Scan# 2139  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion: 75 Resp: 13834  
Ion Ratio Lower Upper  
75 100  
155 83.6 48.0 144.2  
157 105.4 65.0 194.8

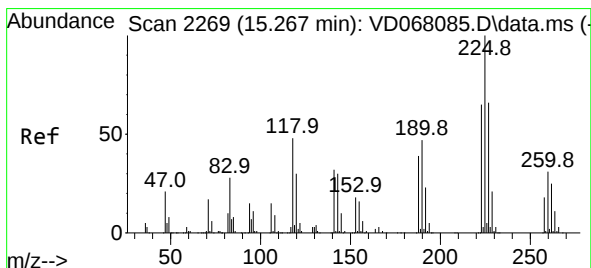
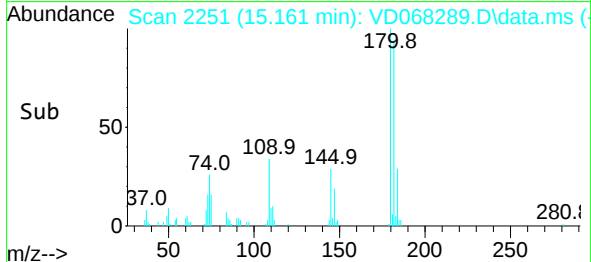
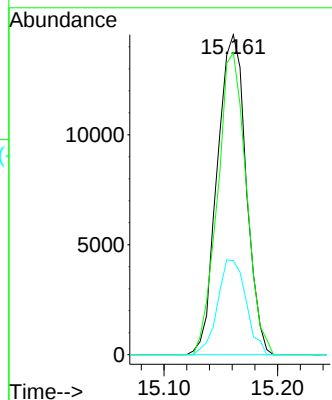
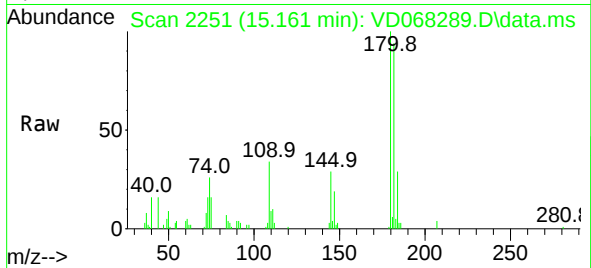




#93  
1,2,4-Trichlorobenzene  
Concen: 30.67 ug/l  
RT: 15.161 min Scan# 2251  
Delta R.T. 0.000 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

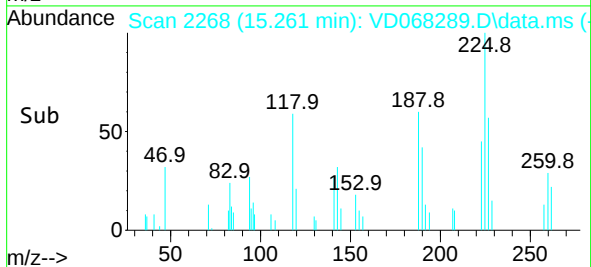
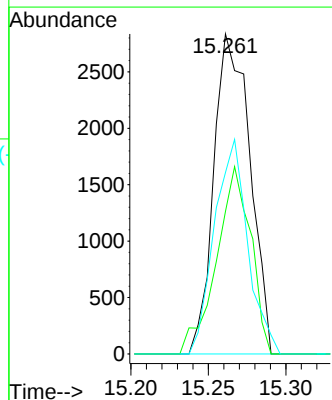
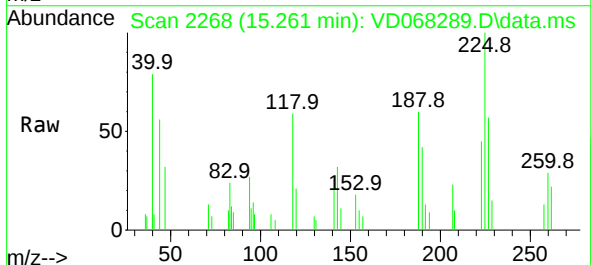
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MSVOA\_D  
ClientSampleId :  
OU421-005-0510MSD

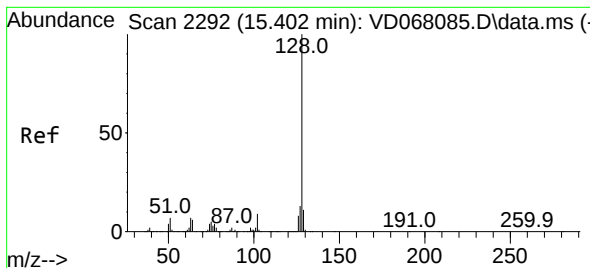
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 25665 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.9  | 46.8  | 140.4 |
| 145       | 29.1  | 15.2  | 45.5  |



#94  
Hexachlorobutadiene  
Concen: 9.90 ug/l  
RT: 15.261 min Scan# 2268  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 4591 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 55.5  | 31.9  | 95.5 |
| 227       | 61.9  | 32.1  | 96.5 |

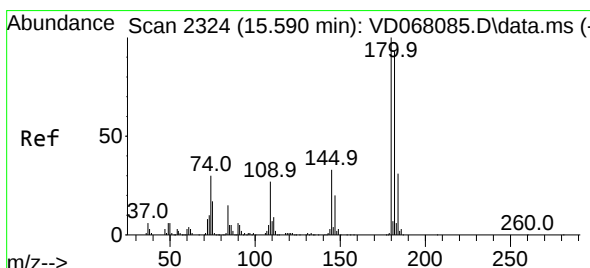
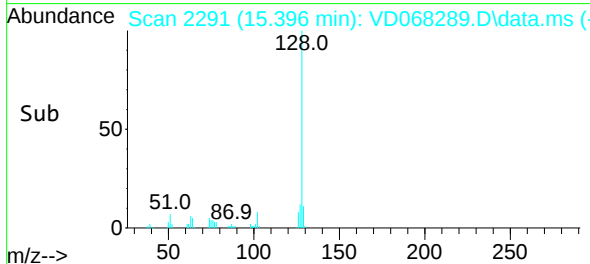
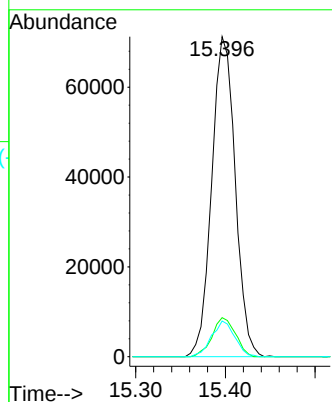
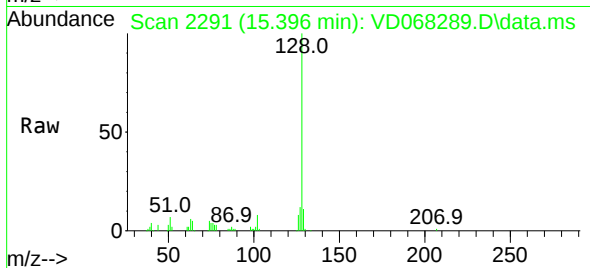




#95  
Naphthalene  
Concen: 82.55 ug/l  
RT: 15.396 min Scan# 2291  
Delta R.T. -0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

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

Tgt Ion:128 Resp: 129503  
Ion Ratio Lower Upper  
128 100  
127 12.1 10.2 15.2  
129 11.0 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 34.80 ug/l  
RT: 15.596 min Scan# 2325  
Delta R.T. 0.006 min  
Lab File: VD068289.D  
Acq: 04 Feb 2021 20:56

Tgt Ion:180 Resp: 24559  
Ion Ratio Lower Upper  
180 100  
182 93.6 48.3 144.8  
145 32.0 16.7 50.1

