

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072321\  
 Data File : VD069836.D  
 Acq On : 23 Jul 2021 18:42  
 Operator : VA/SY  
 Sample : M3117-08  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 NJ-CLEAN-8

Quant Time: Jul 24 01:36:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 04:51:13 2021  
 Response via : Initial Calibration

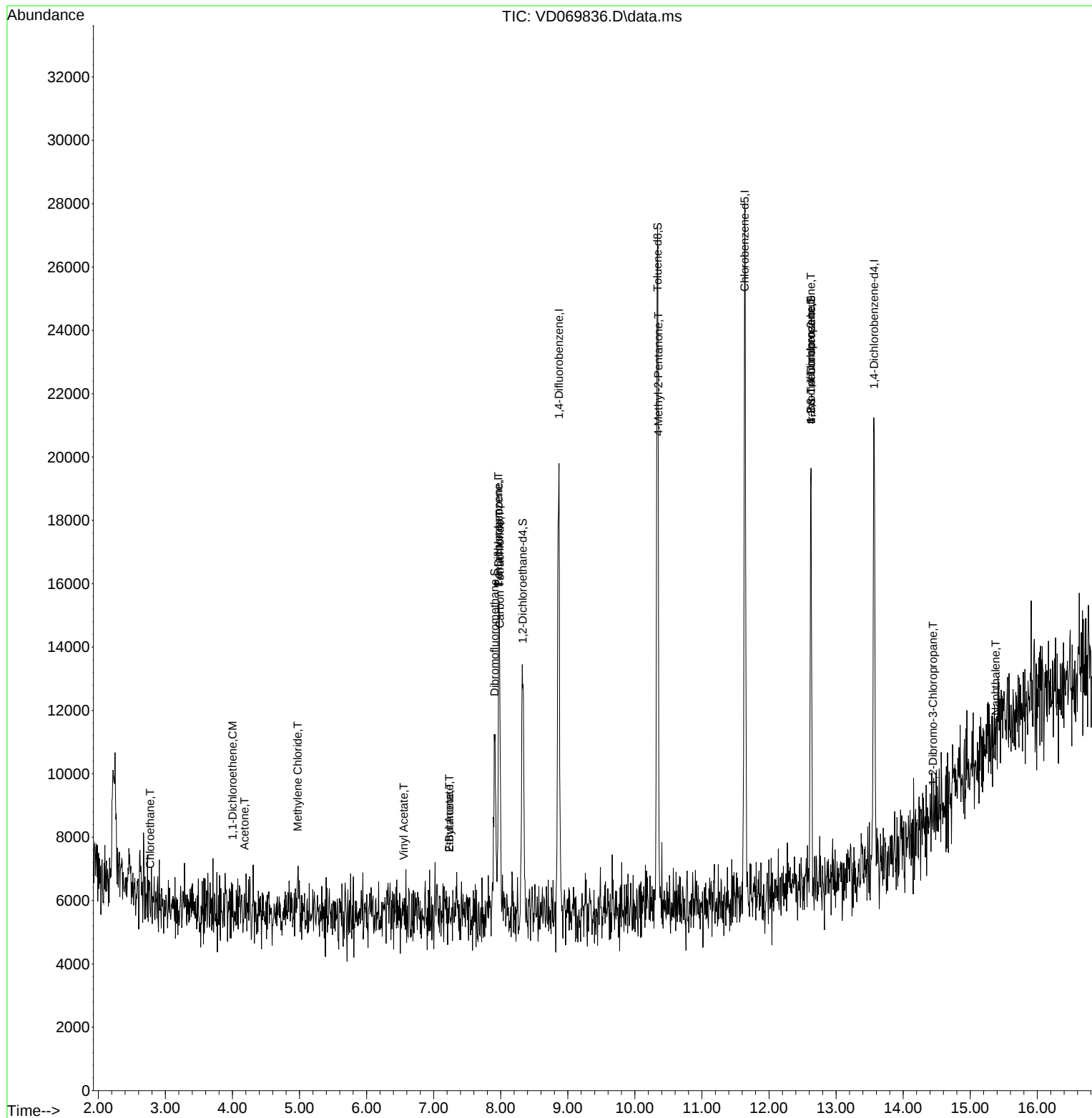
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.967  | 168   | 7413     | 50.000    | ug/l       | #-0.01   |
| 34) 1,4-Difluorobenzene       | 8.867  | 114   | 12710    | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.638 | 117   | 12868    | 50.000    | ug/l       | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.567 | 152   | 3868     | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 7290     | 85.507    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 171.020% | #        |
| 35) Dibromofluoromethane      | 7.909  | 113   | 4830     | 60.282    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 120.560% |          |
| 50) Toluene-d8                | 10.338 | 98    | 16990    | 54.992    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 109.980% |          |
| 62) 4-Bromofluorobenzene      | 12.626 | 95    | 4961     | 48.047    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 96.100%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           |            | Qvalue   |
| 5) Bromomethane               | 2.797  | 94    | 77       | Below Cal | #          | 3        |
| 6) Chloroethane               | 2.774  | 64    | 132      | 1.711     | ug/l #     | 40       |
| 12) 1,1-Dichloroethene        | 4.003  | 96    | 123      | 1.450     | ug/l #     | 1        |
| 16) Acetone                   | 4.179  | 43    | 62       | 4.026     | ug/l #     | 38       |
| 20) Methylene Chloride        | 4.973  | 84    | 1014     | 3.172     | ug/l #     | 61       |
| 23) Vinyl Acetate             | 6.556  | 43    | 66       | 20.757    | ug/l #     | 71       |
| 25) 2-Butanone                | 7.232  | 43    | 67       | 3.208     | ug/l #     | 46       |
| 36) 1,1-Dichloropropene       | 7.967  | 75    | 893      | 6.511     | ug/l #     | 42       |
| 37) Ethyl Acetate             | 7.232  | 43    | 67       | 1.342     | ug/l #     | 67       |
| 38) Carbon Tetrachloride      | 7.985  | 117   | 652      | 5.204     | ug/l #     | 12       |
| 51) 4-Methyl-2-Pentanone      | 10.350 | 43    | 126      | 2.704     | ug/l #     | 34       |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75    | 2345     | 57.037    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75    | 2345     | 173.034   | ug/l #     | 16       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.444 | 75    | 78       | 9.760     | ug/l #     | 7        |
| 95) Naphthalene               | 15.379 | 128   | 59       | 5.419     | ug/l #     | 69       |
| -----                         |        |       |          |           |            |          |

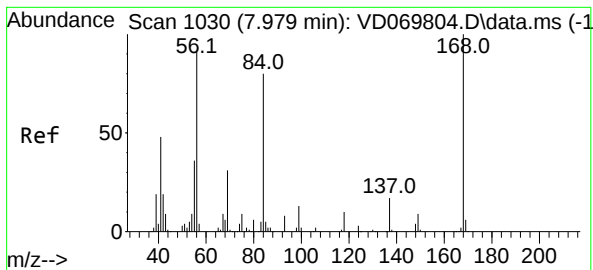
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072321\  
Data File : VD069836.D  
Acq On : 23 Jul 2021 18:42  
Operator : VA/SY  
Sample : M3117-08  
Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-8

Quant Time: Jul 24 01:36:28 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 04:51:13 2021  
Response via : Initial Calibration

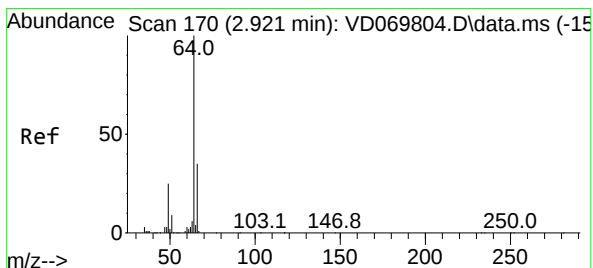
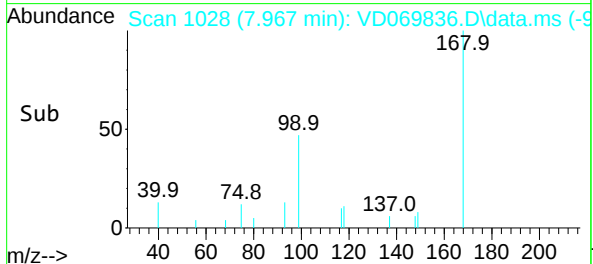
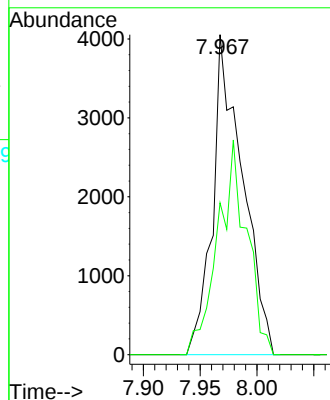
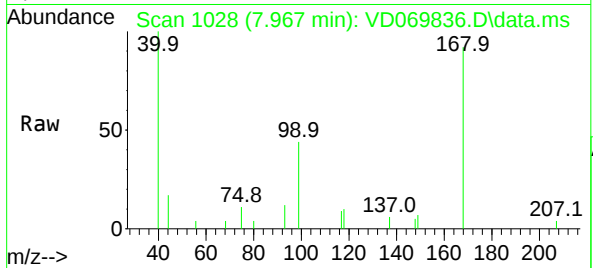




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.012 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

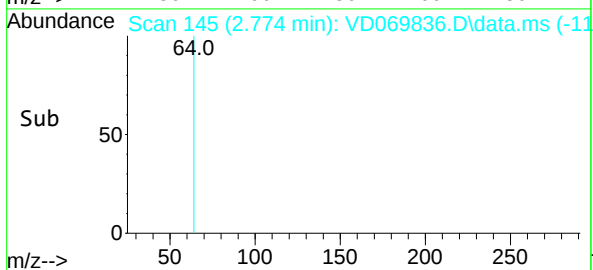
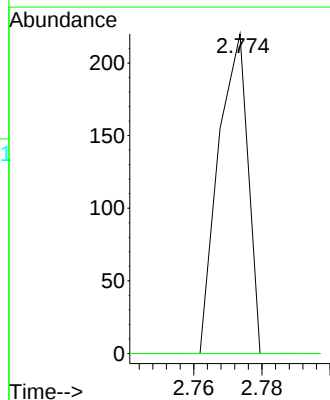
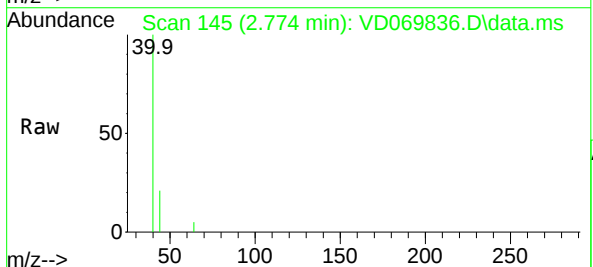
Instrument :  
MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-8

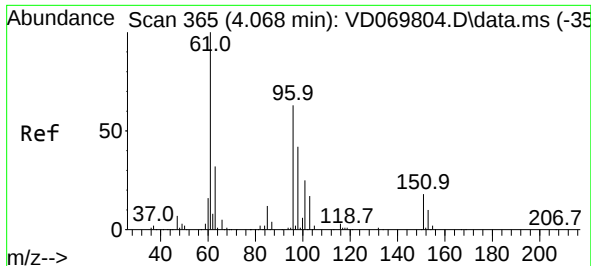
Tgt Ion:168 Resp: 7413  
Ion Ratio Lower Upper  
168 100  
99 47.5 51.1 76.7#



#6  
Chloroethane  
Concen: 1.711 ug/l  
RT: 2.774 min Scan# 145  
Delta R.T. -0.147 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

Tgt Ion: 64 Resp: 132  
Ion Ratio Lower Upper  
64 100  
66 0.0 27.8 41.6#

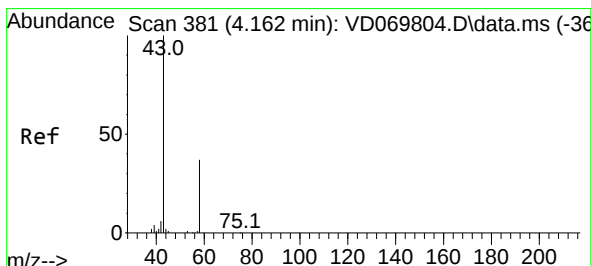
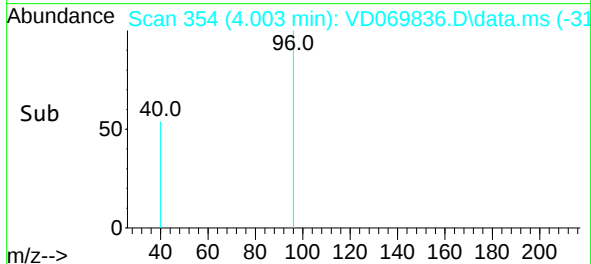
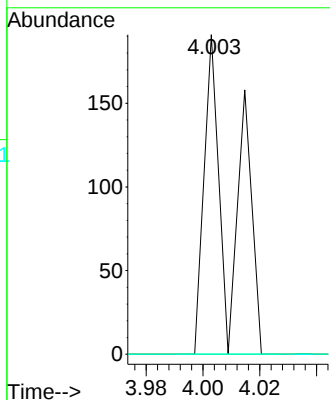
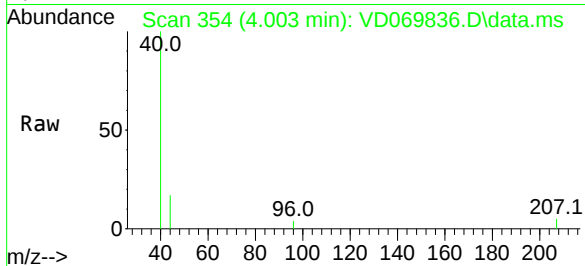




#12  
1,1-Dichloroethene  
Concen: 1.450 ug/l  
RT: 4.003 min Scan# 354  
Delta R.T. -0.065 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

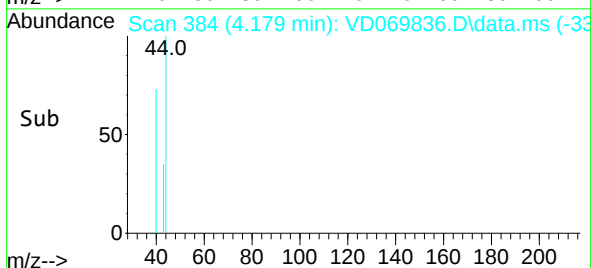
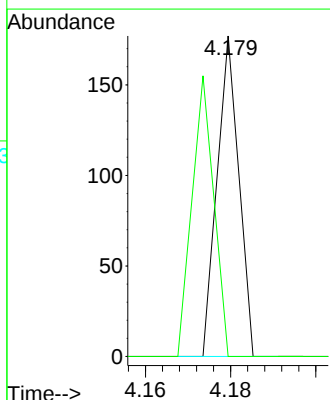
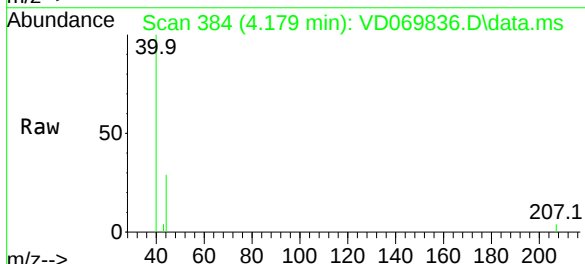
Instrument :  
MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-8

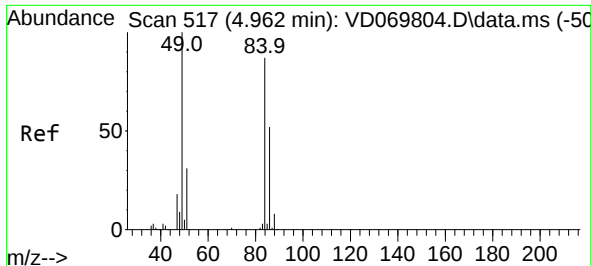
Tgt Ion: 96 Resp: 123  
Ion Ratio Lower Upper  
96 100  
61 0.0 126.9 190.3#  
98 0.0 53.2 79.8#



#16  
Acetone  
Concen: 4.026 ug/l  
RT: 4.179 min Scan# 384  
Delta R.T. 0.018 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

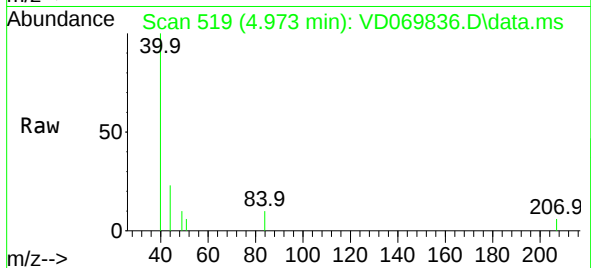
Tgt Ion: 43 Resp: 62  
Ion Ratio Lower Upper  
43 100  
58 0.0 29.4 44.0#



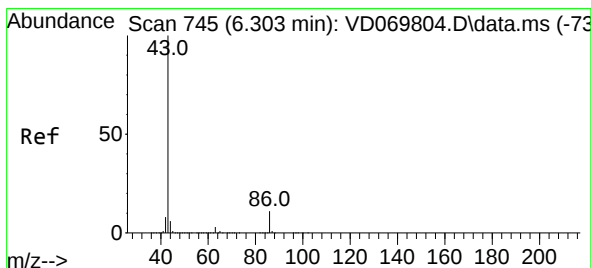
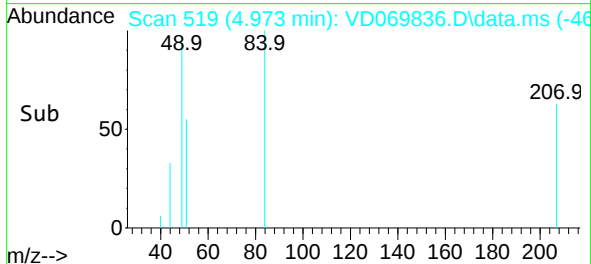
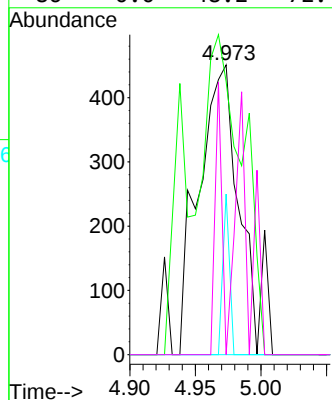


#20  
Methylene Chloride  
Concen: 3.172 ug/l  
RT: 4.973 min Scan# 519  
Delta R.T. 0.011 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-8

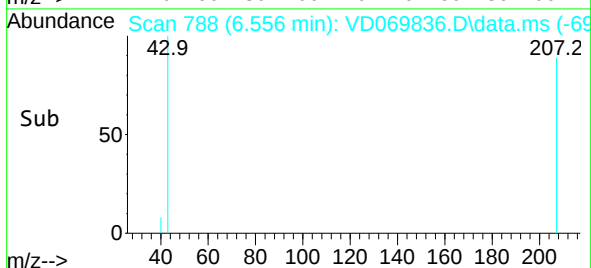
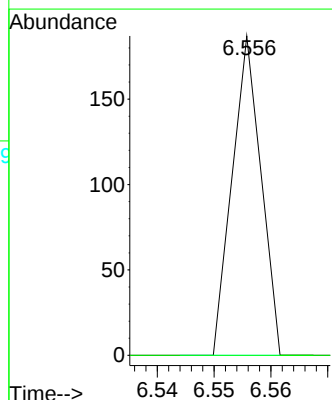
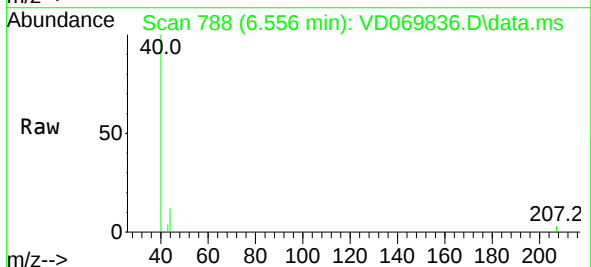


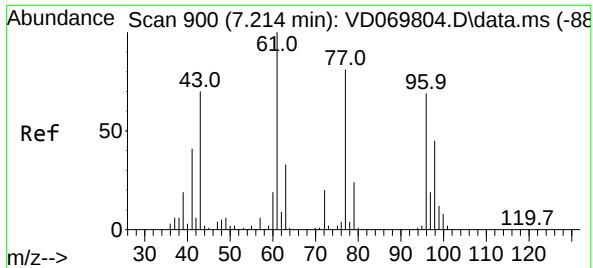
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1014  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 94.2  | 92.4  | 138.6 |
| 51       | 55.4  | 28.5  | 42.7# |
| 86       | 0.0   | 48.2  | 72.4# |



#23  
Vinyl Acetate  
Concen: 20.757 ug/l  
RT: 6.556 min Scan# 788  
Delta R.T. 0.253 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 66    |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 0.0   | 8.6   | 13.0# |

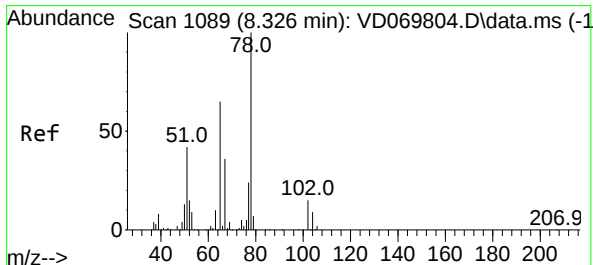
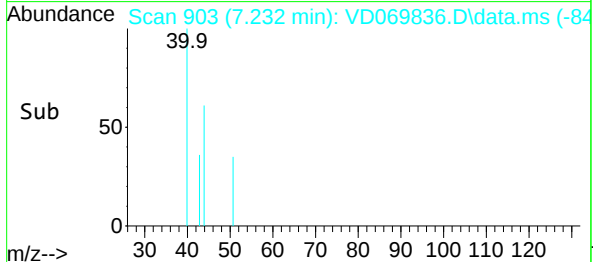
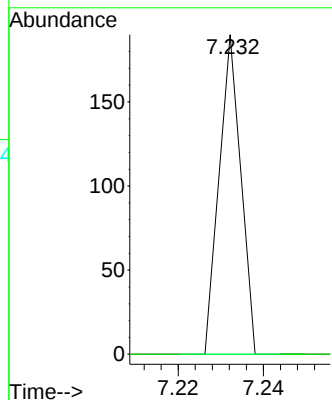
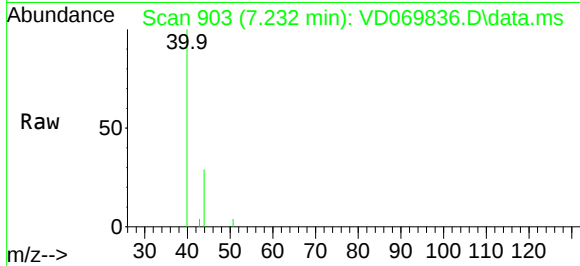




#25  
2-Butanone  
Concen: 3.208 ug/l  
RT: 7.232 min Scan# 903  
Delta R.T. 0.018 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

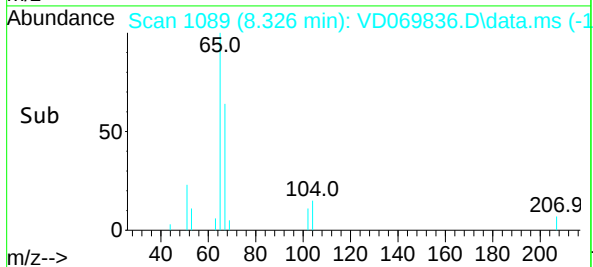
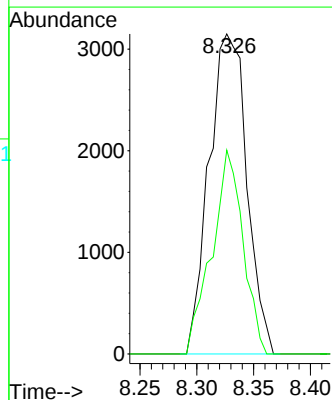
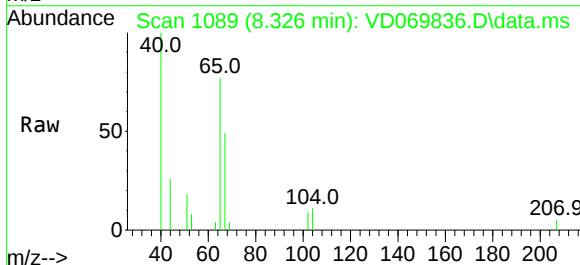
Instrument :  
MSVOA\_D  
ClientSampled :  
NJ-CLEAN-8

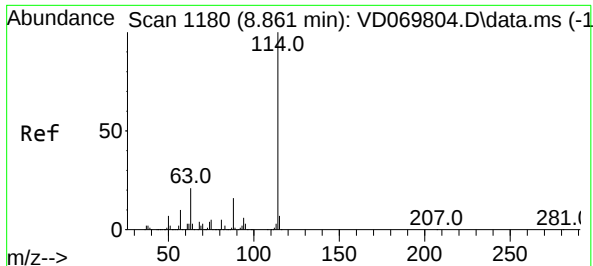
Tgt Ion: 43 Resp: 67  
Ion Ratio Lower Upper  
43 100  
72 0.0 22.8 34.2#



#33  
1,2-Dichloroethane-d4  
Concen: 85.507 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

Tgt Ion: 65 Resp: 7290  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 111.2

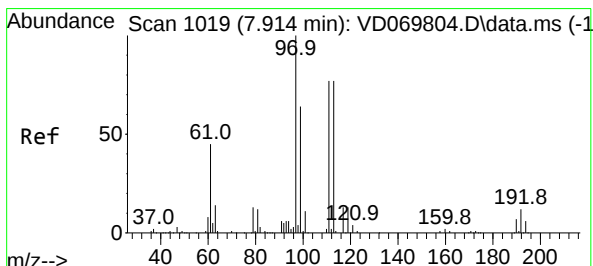
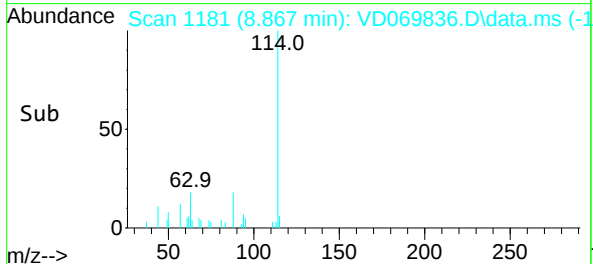
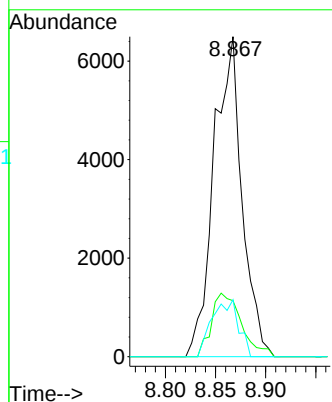
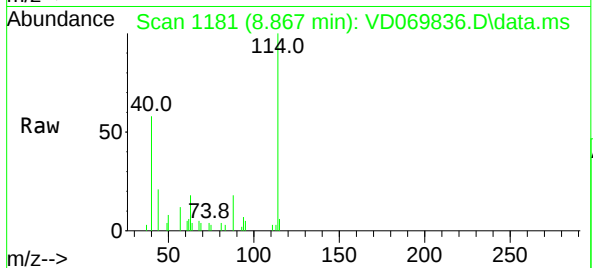




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.006 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

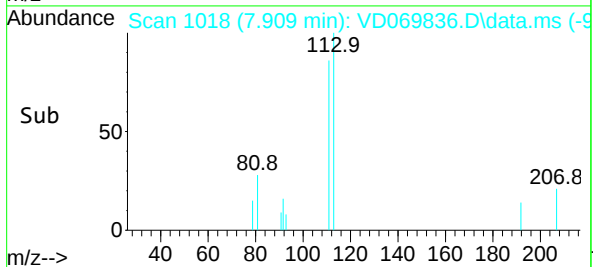
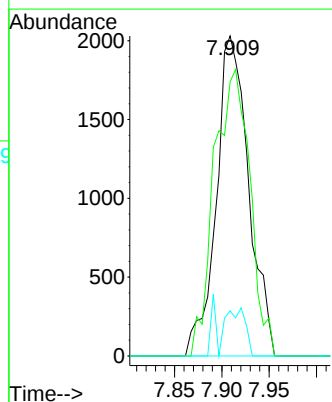
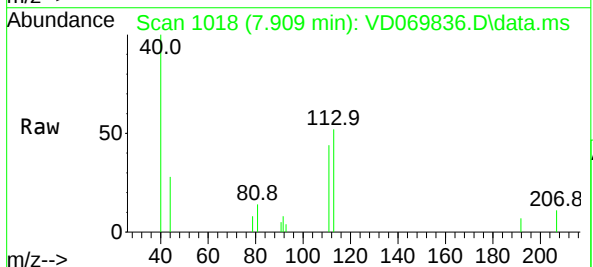
Instrument :  
MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-8

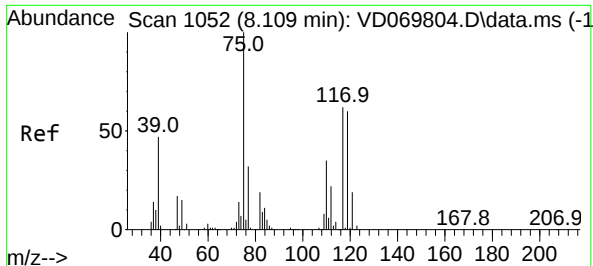
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 12710 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 17.5  | 0.0   | 41.6  |
| 88       | 17.8  | 0.0   | 31.4  |



#35  
Dibromofluoromethane  
Concen: 60.282 ug/l  
RT: 7.909 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 4830  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 98.9  | 80.5  | 120.7 |
| 192      | 9.2   | 12.6  | 19.0# |

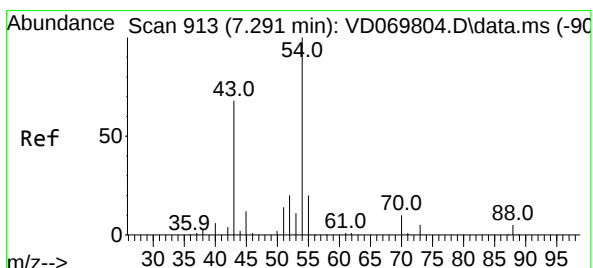
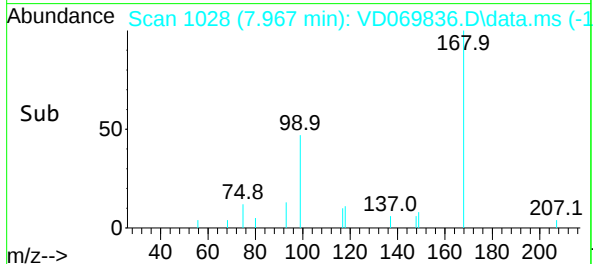
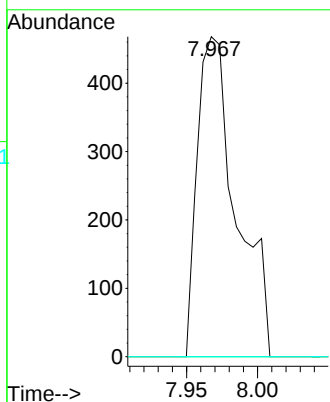
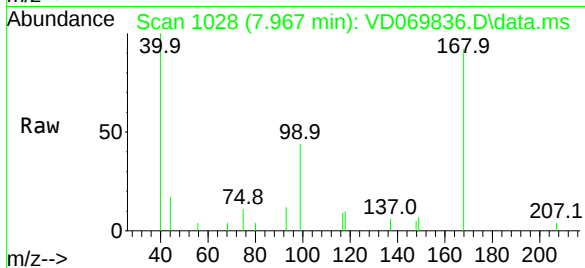




#36  
1,1-Dichloropropene  
Concen: 6.511 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.141 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

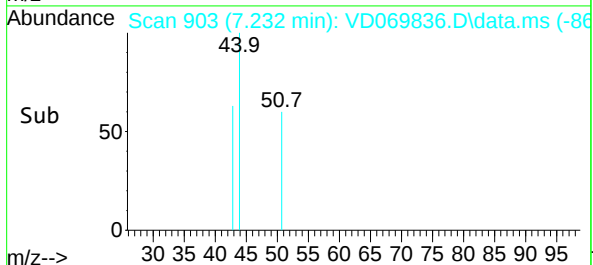
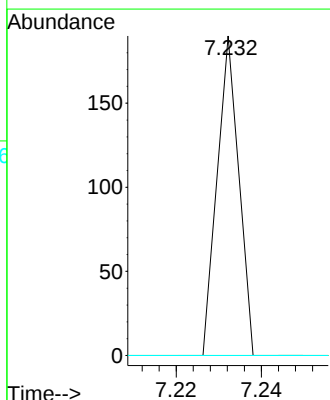
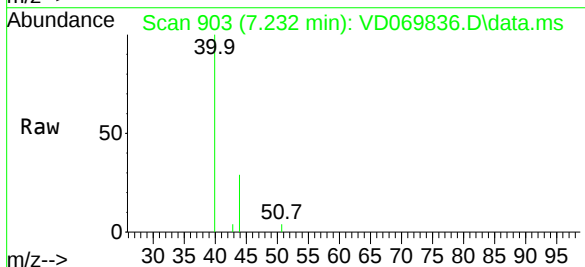
Instrument :  
MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-8

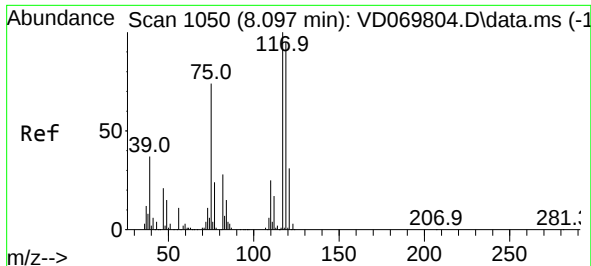
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 893   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 0.0   | 16.9  | 50.7# |
| 77       | 0.0   | 24.9  | 37.3# |



#37  
Ethyl Acetate  
Concen: 1.342 ug/l  
RT: 7.232 min Scan# 903  
Delta R.T. -0.059 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 67    |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 11.8  | 17.8# |
| 70       | 0.0   | 8.9   | 13.3# |

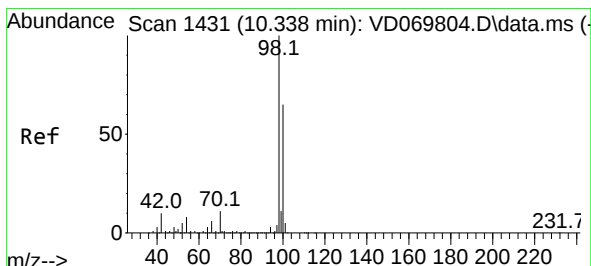
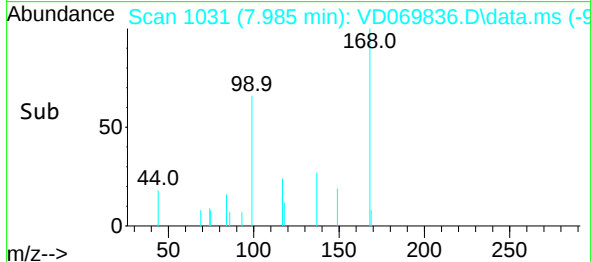
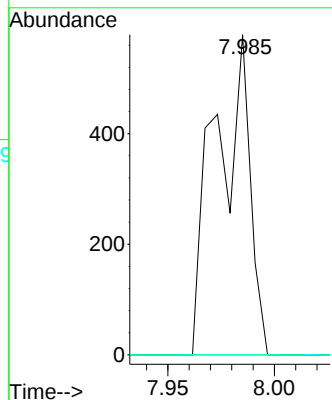
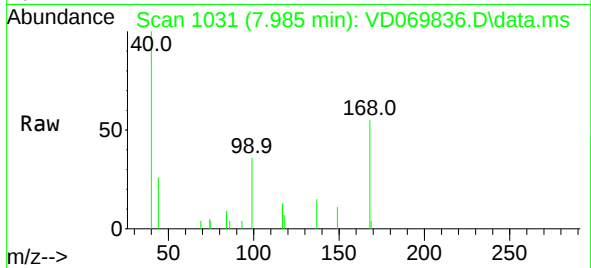




#38  
Carbon Tetrachloride  
Concen: 5.204 ug/l  
RT: 7.985 min Scan# 1031  
Delta R.T. -0.112 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

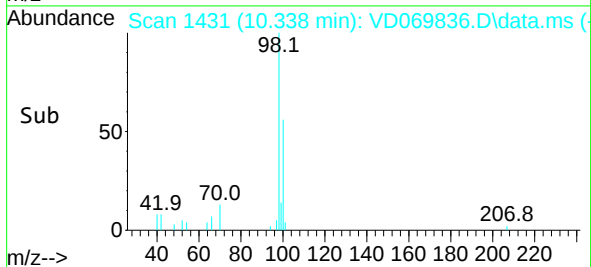
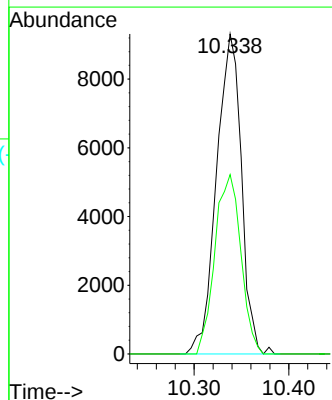
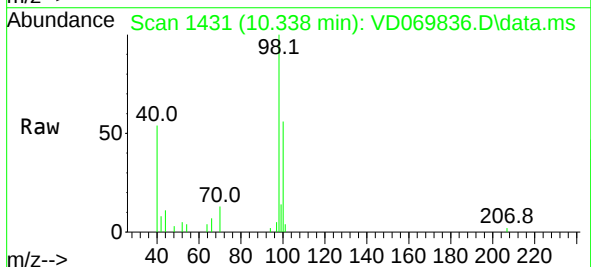
Instrument :  
MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-8

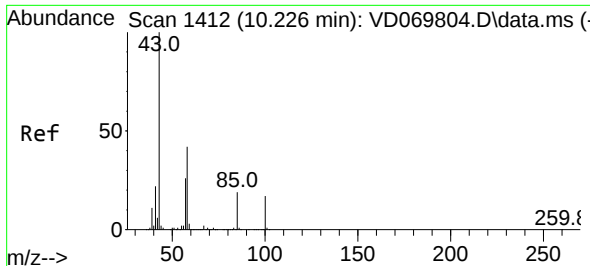
Tgt Ion:117 Resp: 652  
Ion Ratio Lower Upper  
117 100  
119 0.0 76.2 114.2#  
121 0.0 24.5 36.7#



#50  
Toluene-d8  
Concen: 54.992 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.000 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

Tgt Ion: 98 Resp: 16990  
Ion Ratio Lower Upper  
98 100  
100 58.5 51.9 77.9

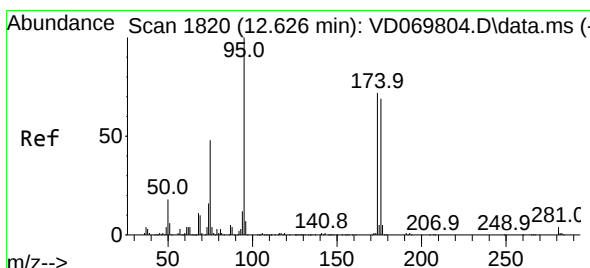
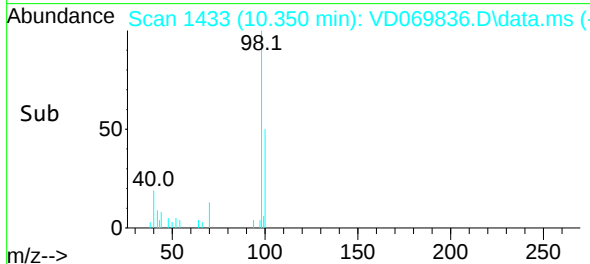
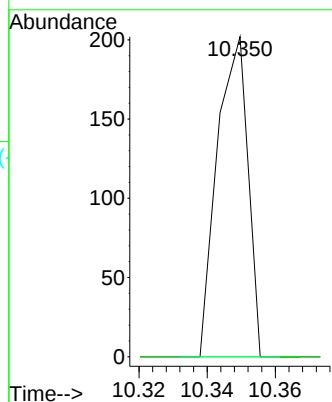
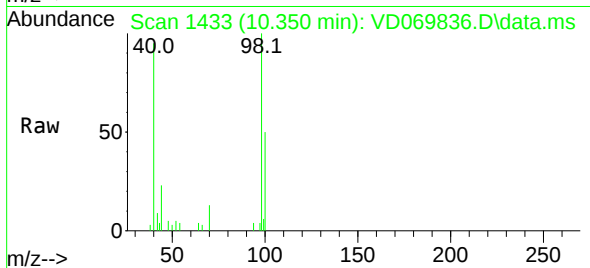




#51  
4-Methyl-2-Pentanone  
Concen: 2.704 ug/l  
RT: 10.350 min Scan# 1433  
Delta R.T. 0.124 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

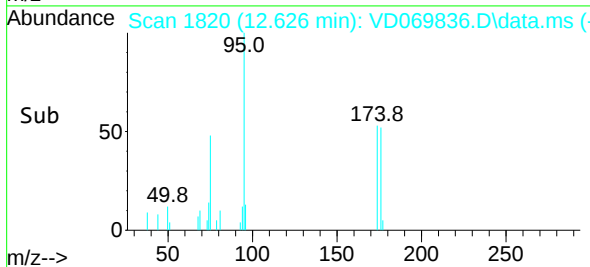
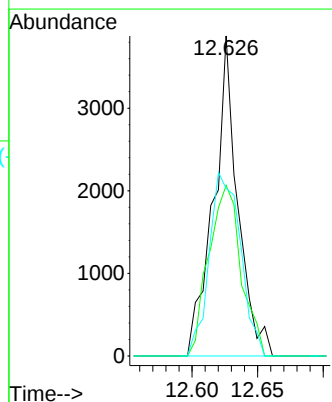
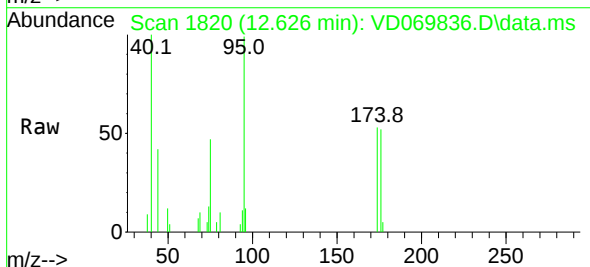
Instrument :  
MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-8

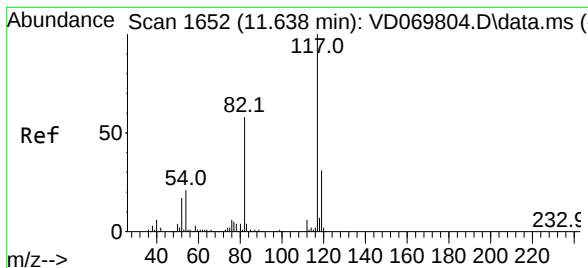
Tgt Ion: 43 Resp: 126  
Ion Ratio Lower Upper  
43 100  
58 0.0 33.7 50.5#



#62  
4-Bromofluorobenzene  
Concen: 48.047 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

Tgt Ion: 95 Resp: 4961  
Ion Ratio Lower Upper  
95 100  
174 71.4 0.0 142.6  
176 74.2 0.0 134.2

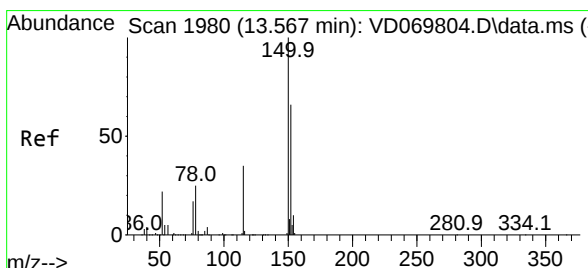
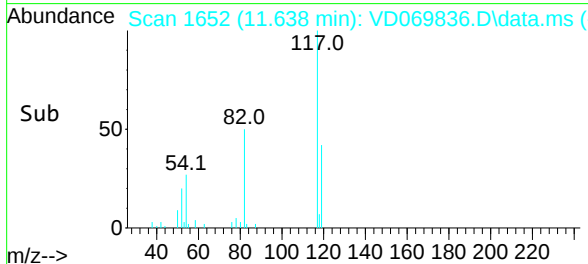
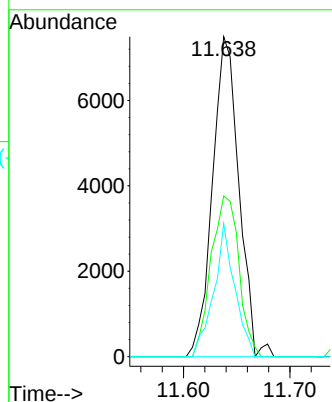
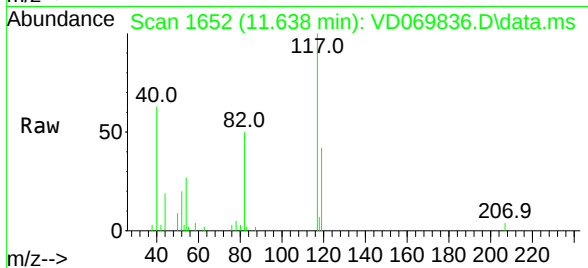




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

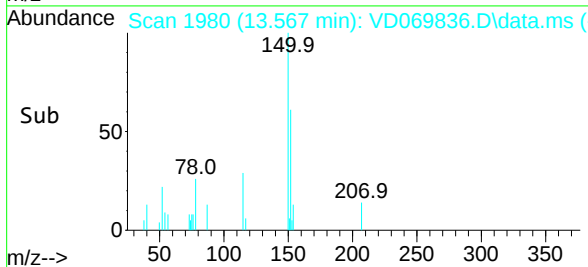
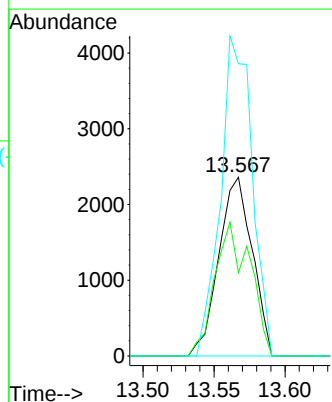
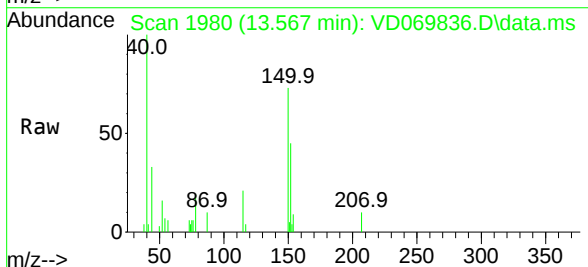
Instrument :  
MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-8

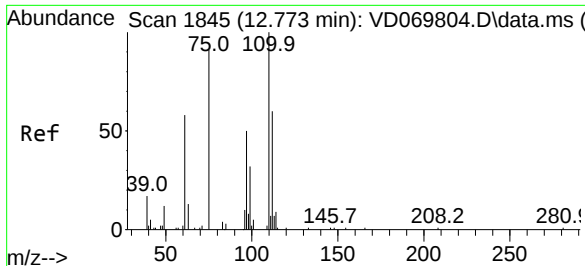
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 12868 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 50.3  | 46.3  | 69.5  |
| 119       | 41.6  | 24.7  | 37.1# |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 3868  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 78.2  | 31.1  | 93.3  |
| 150       | 169.2 | 0.0   | 343.0 |

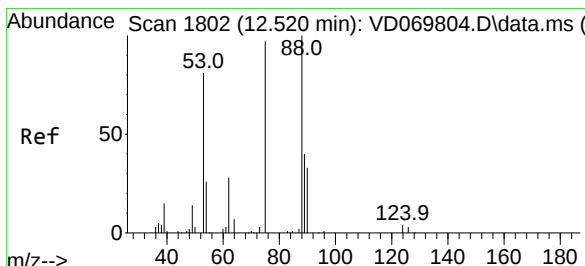
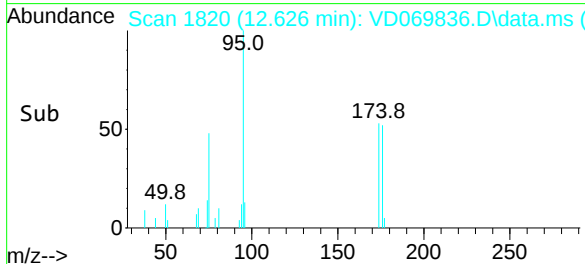
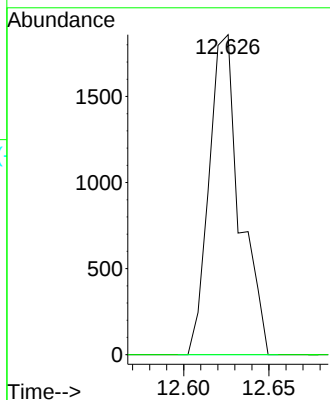
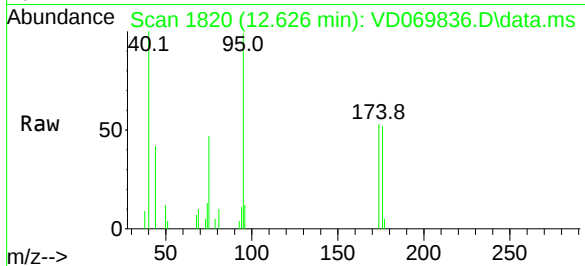




#76  
1,2,3-Trichloropropane  
Concen: 57.037 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

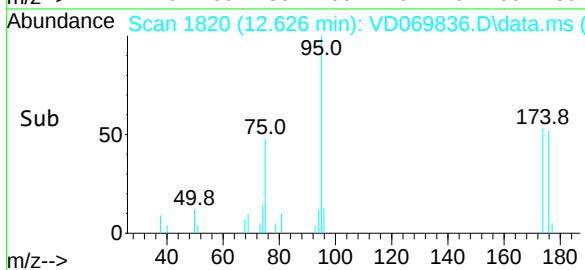
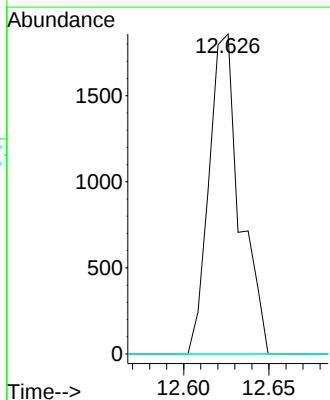
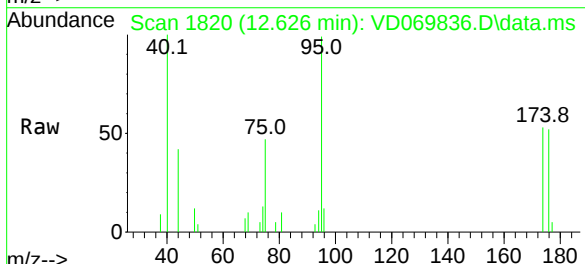
Instrument :  
MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-8

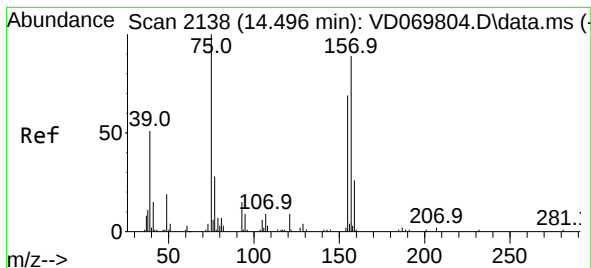
Tgt Ion: 75 Resp: 2345  
Ion Ratio Lower Upper  
75 100  
77 0.0 181.5 544.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 173.034 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

Tgt Ion: 75 Resp: 2345  
Ion Ratio Lower Upper  
75 100  
53 0.0 67.2 100.8#  
89 0.0 35.8 53.6#

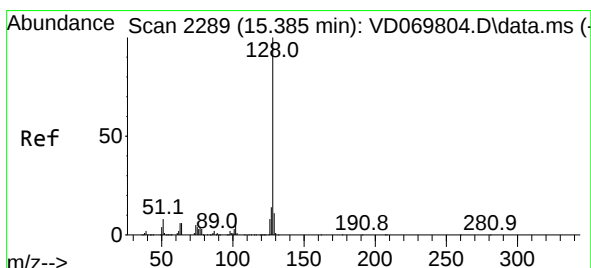
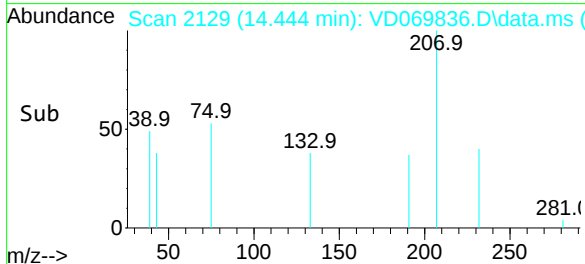
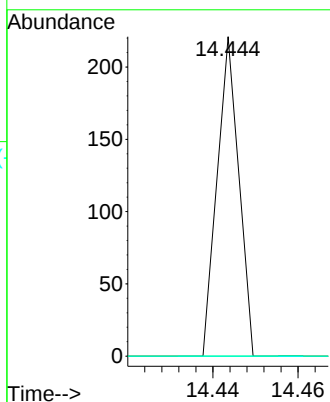
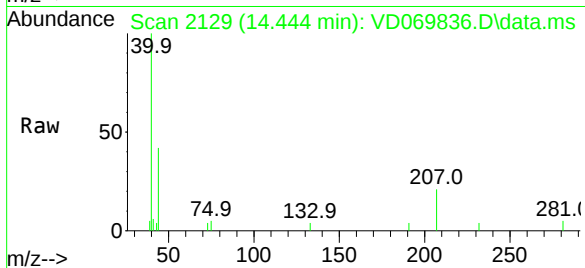




#92  
1,2-Dibromo-3-Chloropropane  
Concen: 9.760 ug/l  
RT: 14.444 min Scan# 2129  
Delta R.T. -0.053 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
NJ-CLEAN-8

Tgt Ion: 75 Resp: 78  
Ion Ratio Lower Upper  
75 100  
155 0.0 36.3 108.9#  
157 0.0 47.0 141.0#



#95  
Naphthalene  
Concen: 5.419 ug/l  
RT: 15.379 min Scan# 2288  
Delta R.T. -0.006 min  
Lab File: VD069836.D  
Acq: 23 Jul 2021 18:42

Tgt Ion: 128 Resp: 59  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 16.0#  
129 0.0 8.6 12.8#

