

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122821\  
 Data File : VD071506.D  
 Acq On : 28 Dec 2021 16:40  
 Operator : VA/SY  
 Sample : M5224-05  
 Misc : 5.04G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-5

Quant Time: Dec 28 16:58:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 23 08:20:24 2021  
 Response via : Initial Calibration

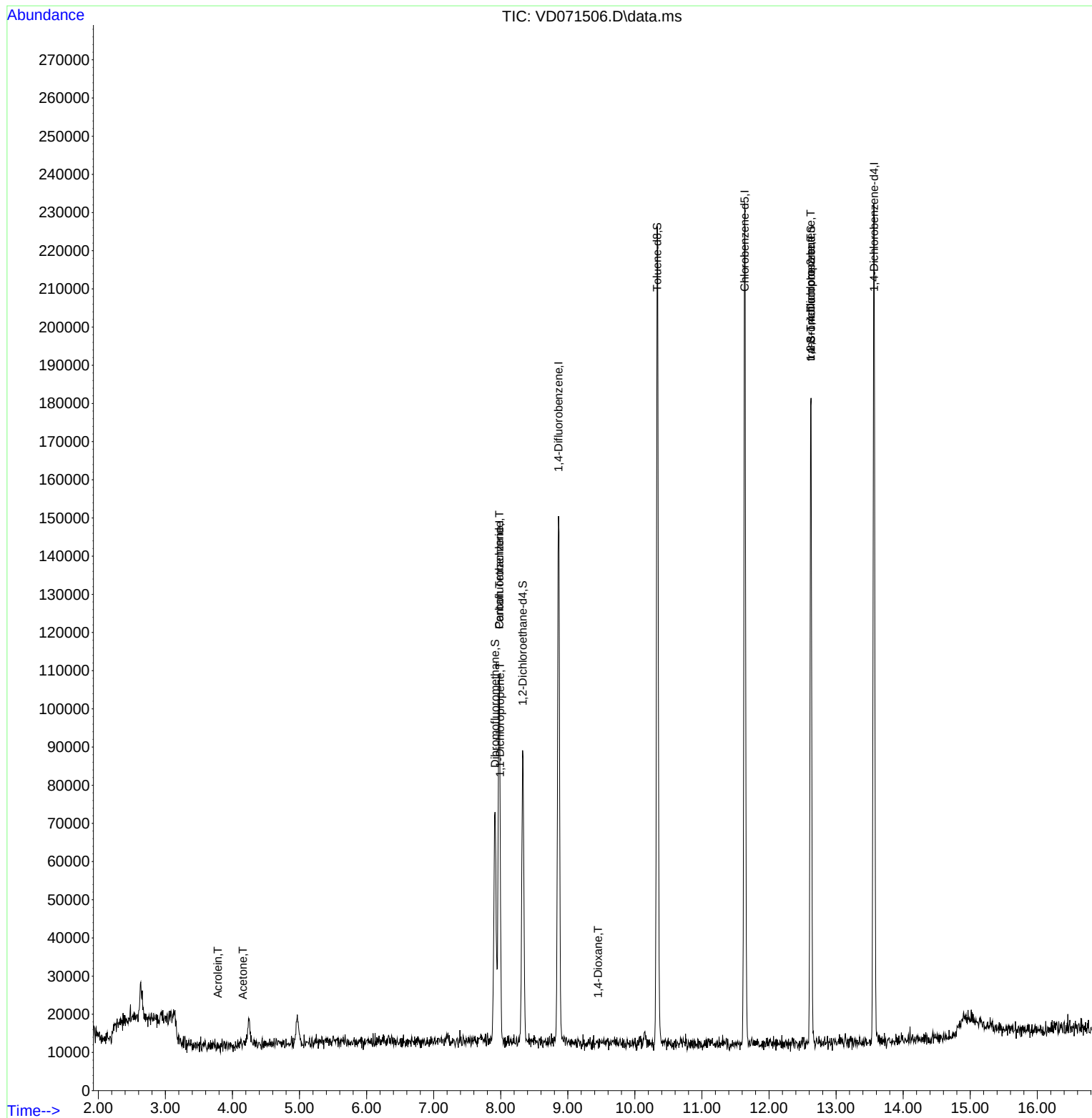
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.979  | 168   | 62762    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114   | 114760   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.638 | 117   | 115525   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567 | 152   | 57591    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 60526    | 72.614    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 145.220% |          |
| 35) Dibromofluoromethane      | 7.914  | 113   | 43137    | 55.929    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 111.860% |          |
| 50) Toluene-d8                | 10.332 | 98    | 143590   | 49.265    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 98.520%  |          |
| 62) 4-Bromofluorobenzene      | 12.626 | 95    | 52944    | 51.118    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 102.240% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 13) Acrolein                  | 3.779  | 56    | 62       | 1.540     | ug/l #     | 13       |
| 16) Acetone                   | 4.156  | 43    | 1713     | 8.182     | ug/l       | 100      |
| 20) Methylene Chloride        | 4.967  | 84    | 2228     | Below Cal | #          | 71       |
| 36) 1,1-Dichloropropene       | 7.991  | 75    | 6809     | 5.526     | ug/l #     | 46       |
| 38) Carbon Tetrachloride      | 7.979  | 117   | 7134     | 5.868     | ug/l #     | 12       |
| 49) 1,4-Dioxane               | 9.450  | 88    | 83       | 15.467    | ug/l #     | 23       |
| 76) 1,2,3-Trichloropropane    | 12.620 | 75    | 30525    | 44.609    | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.620 | 75    | 30525    | 126.043   | ug/l #     | 18       |
| -----                         |        |       |          |           |            |          |

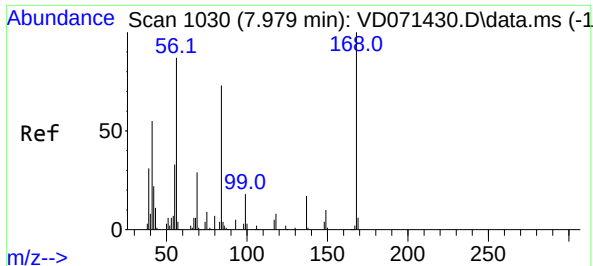
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 23 08:20:24 2021  
Response via : Initial Calibration

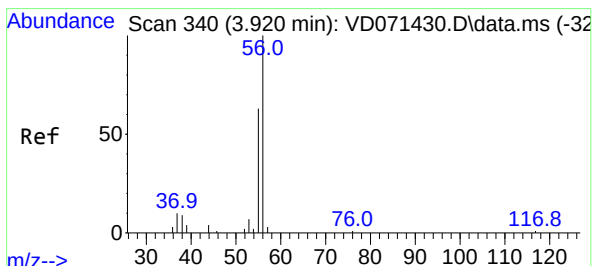
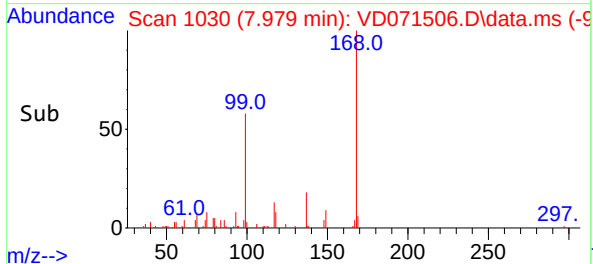
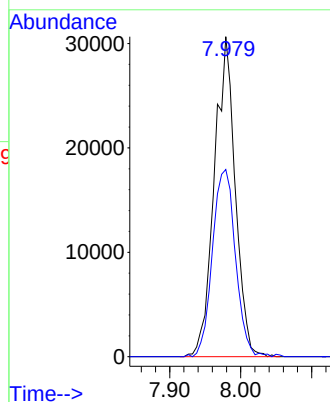
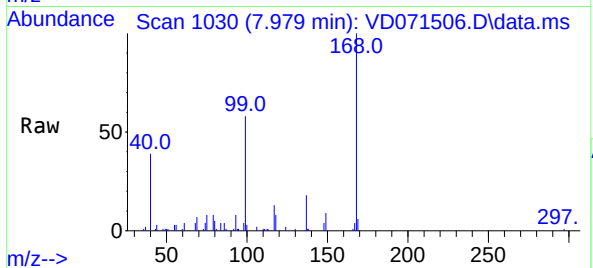




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.006 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

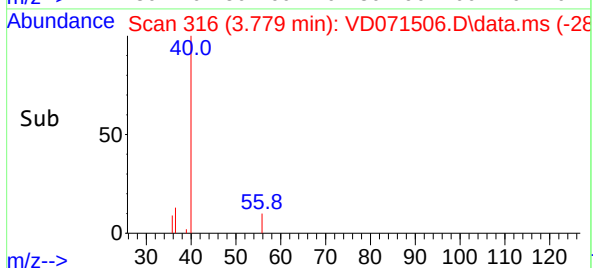
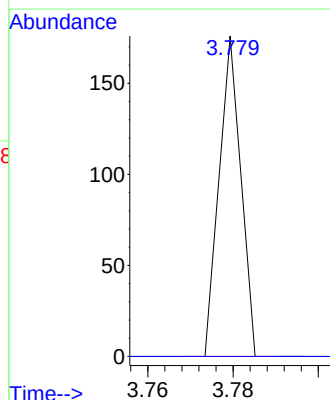
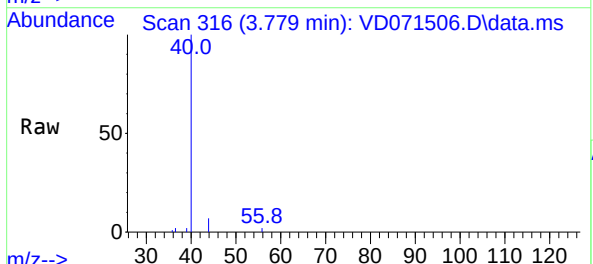
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-5

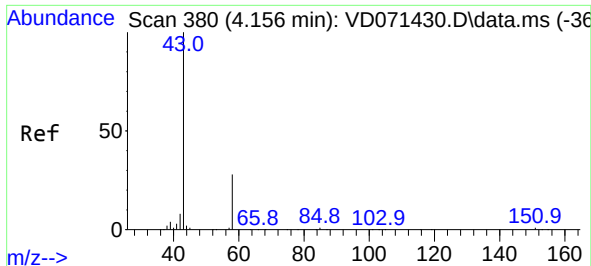
Tgt Ion:168 Resp: 62762  
Ion Ratio Lower Upper  
168 100  
99 58.5 46.6 69.8



#13  
Acrolein  
Concen: 1.540 ug/l  
RT: 3.779 min Scan# 316  
Delta R.T. -0.135 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

Tgt Ion: 56 Resp: 62  
Ion Ratio Lower Upper  
56 100  
55 0.0 58.6 87.8#

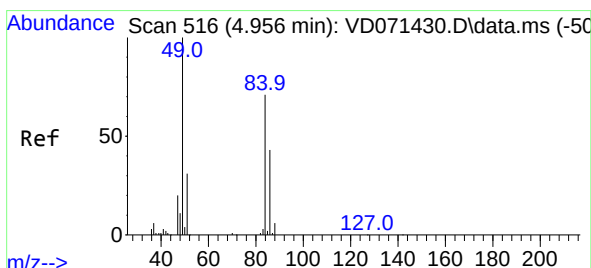
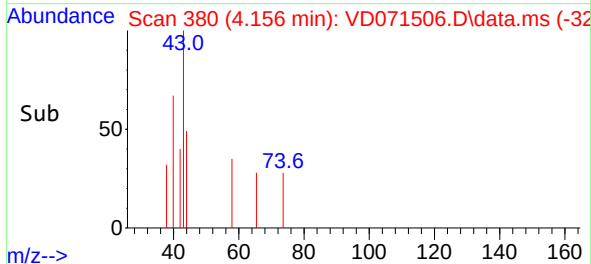
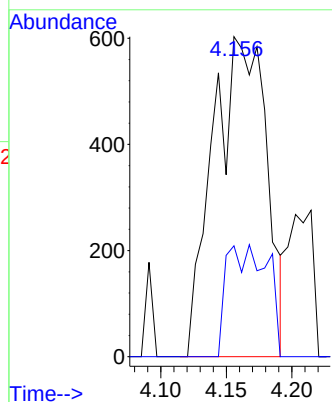
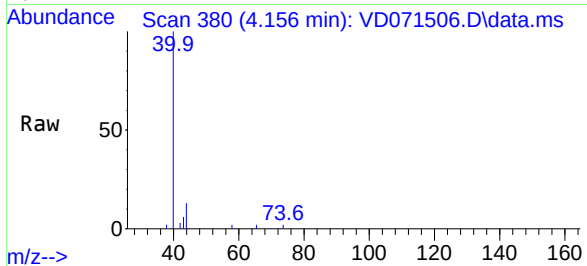




#16  
Acetone  
Concen: 8.182 ug/l  
RT: 4.156 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

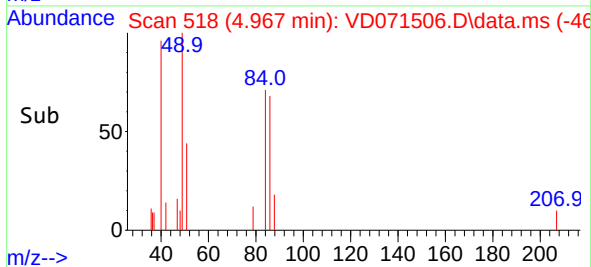
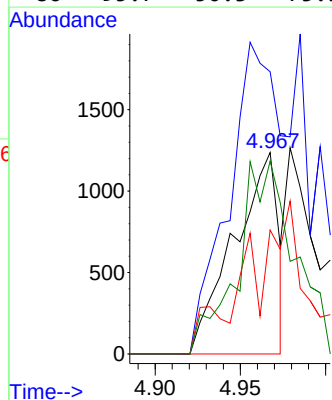
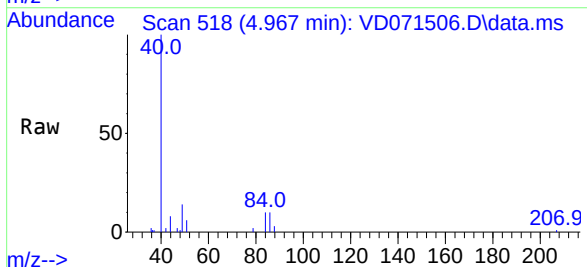
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-5

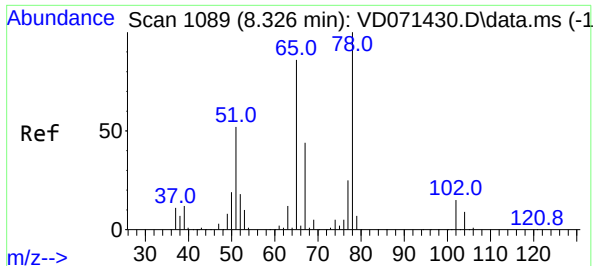
Tgt Ion: 43 Resp: 1713  
Ion Ratio Lower Upper  
43 100  
58 34.7 27.8 41.8



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.967 min Scan# 518  
Delta R.T. 0.006 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

Tgt Ion: 84 Resp: 2228  
Ion Ratio Lower Upper  
84 100  
49 140.1 95.8 143.6  
51 61.5 30.9 46.3#  
86 95.7 50.3 75.5#

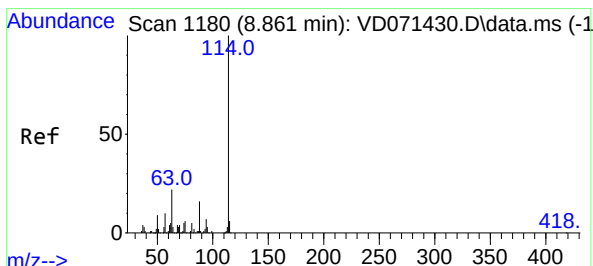
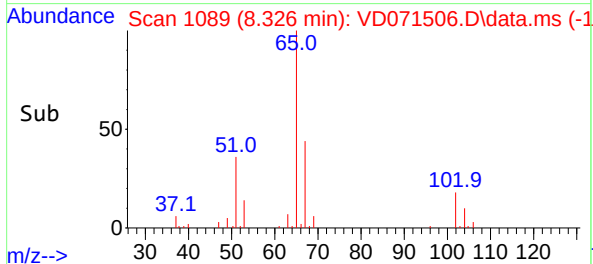
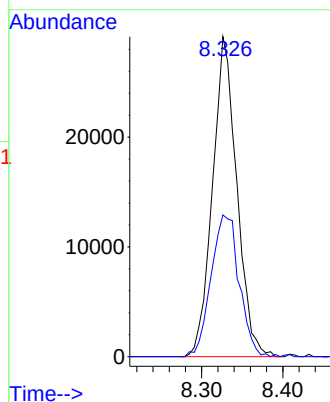
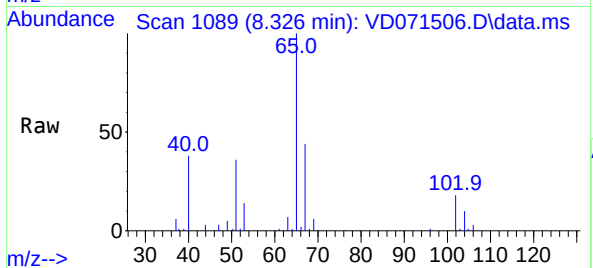




#33  
1,2-Dichloroethane-d4  
Concen: 72.614 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

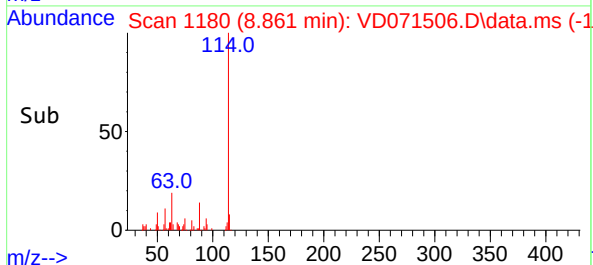
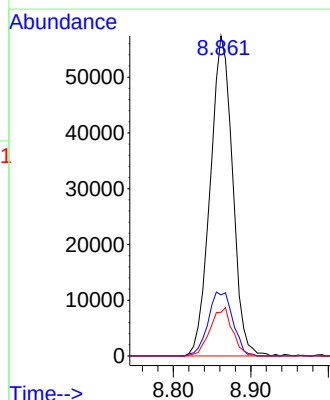
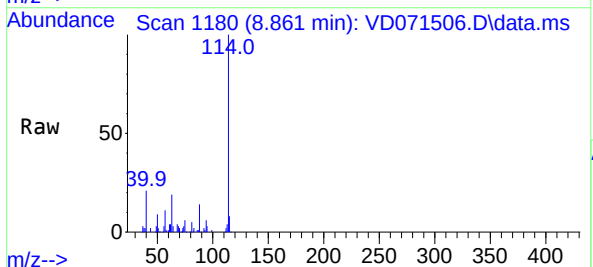
Instrument :  
MSVOA\_D  
ClientSampleId :  
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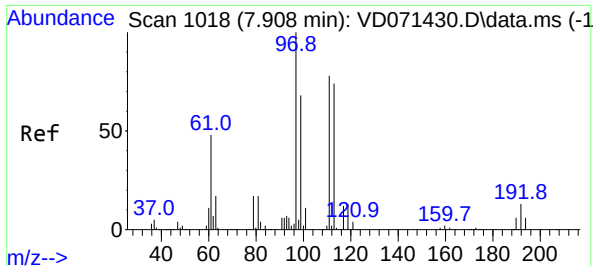
Tgt Ion: 65 Resp: 60526  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 112.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

Tgt Ion:114 Resp: 114760  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 41.8  
88 13.6 0.0 32.8

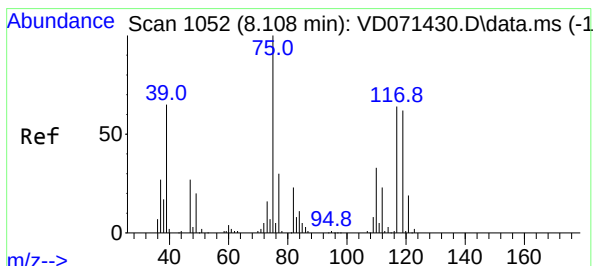
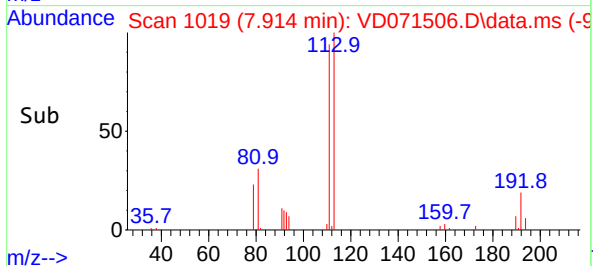
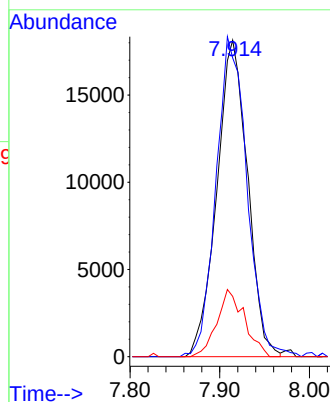
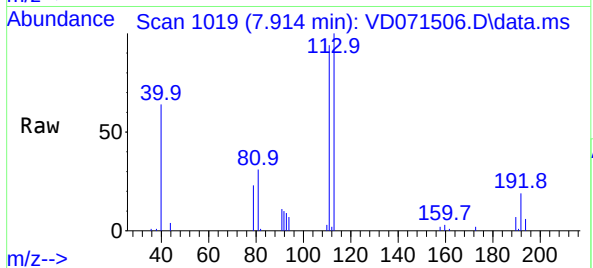




#35  
Dibromofluoromethane  
Concen: 55.929 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.006 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

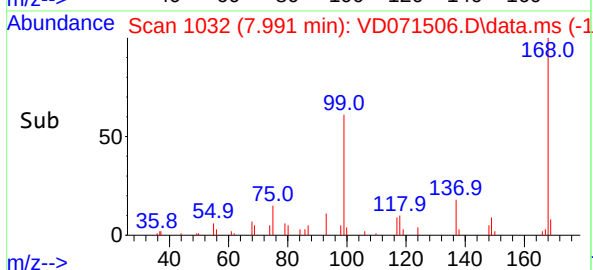
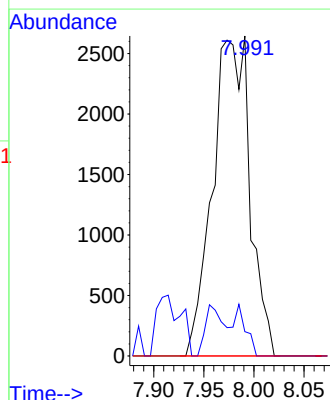
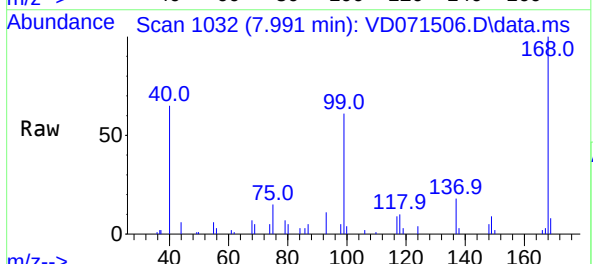
Instrument :  
MSVOA\_D  
ClientSampleId :  
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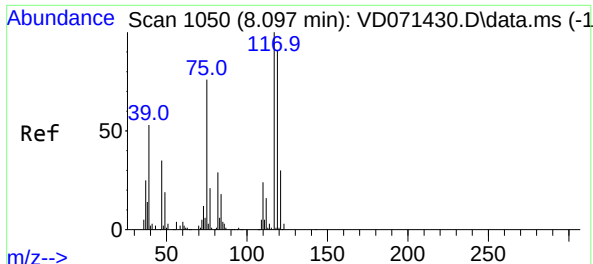
Tgt Ion:113 Resp: 43137  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.0 123.0  
192 19.0 15.2 22.8



#36  
1,1-Dichloropropene  
Concen: 5.526 ug/l  
RT: 7.991 min Scan# 1032  
Delta R.T. -0.117 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

Tgt Ion: 75 Resp: 6809  
Ion Ratio Lower Upper  
75 100  
110 5.4 17.8 53.4#  
77 0.0 24.8 37.2#

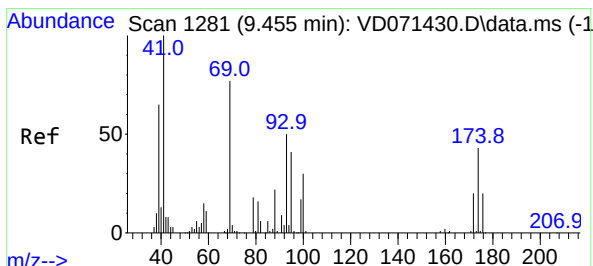
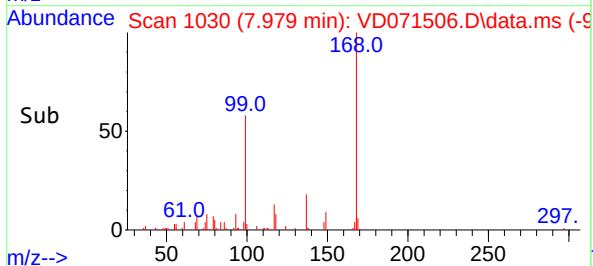
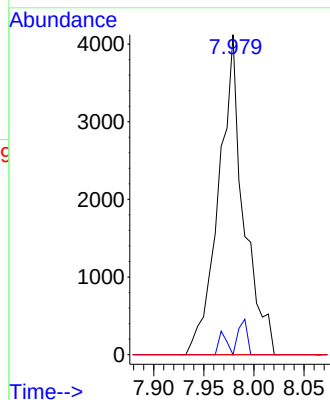
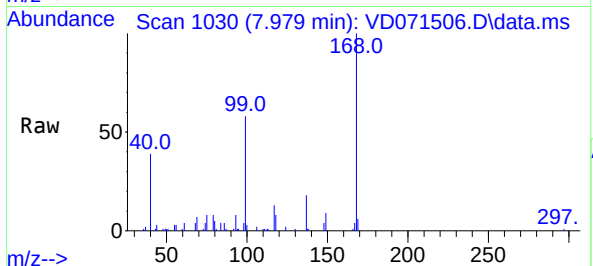




#38  
Carbon Tetrachloride  
Concen: 5.868 ug/l  
RT: 7.979 min Scan# 117  
Delta R.T. -0.118 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

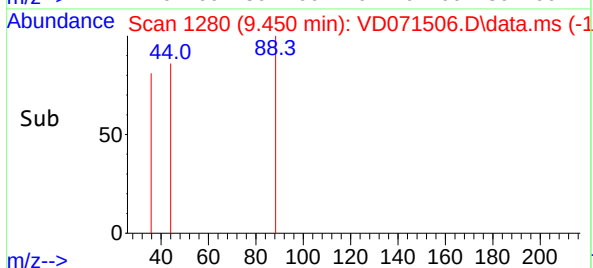
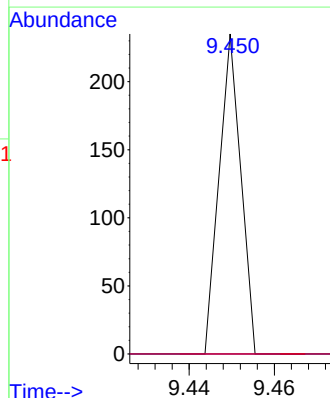
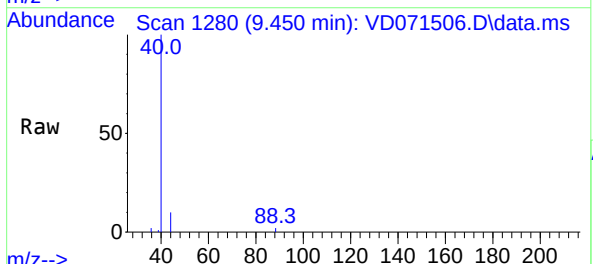
Instrument :  
MSVOA\_D  
ClientSampleId :  
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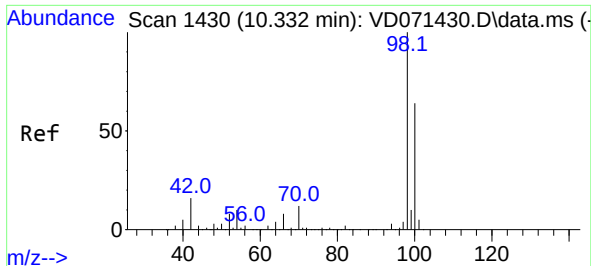
Tgt Ion:117 Resp: 7134  
Ion Ratio Lower Upper  
117 100  
119 0.0 75.8 113.6#  
121 0.0 23.6 35.4#



#49  
1,4-Dioxane  
Concen: 15.467 ug/l  
RT: 9.450 min Scan# 1280  
Delta R.T. -0.005 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

Tgt Ion: 88 Resp: 83  
Ion Ratio Lower Upper  
88 100  
43 0.0 28.9 43.3#  
58 0.0 56.3 84.5#

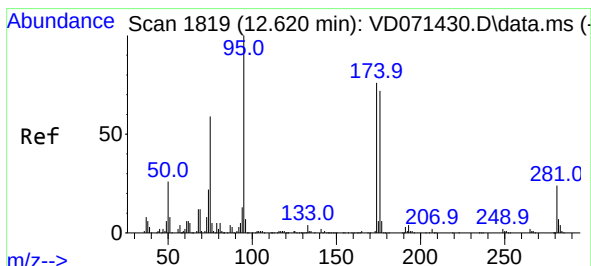
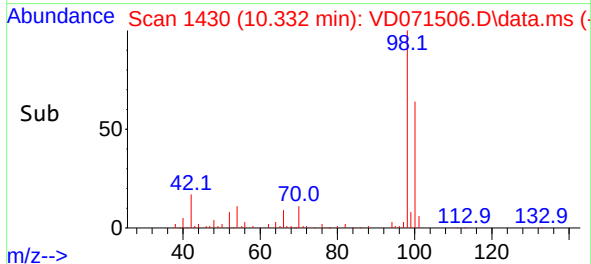
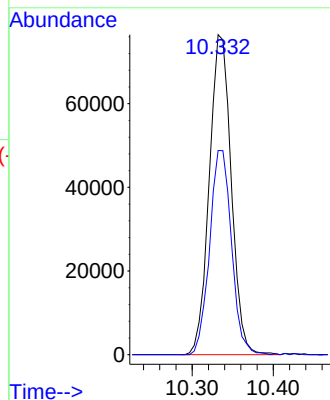
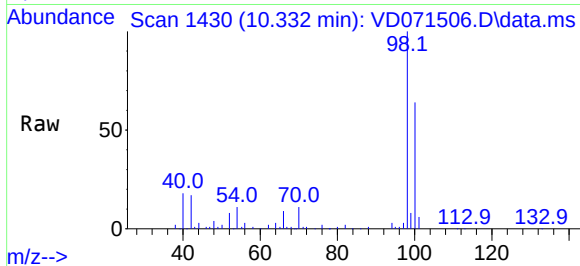




#50  
Toluene-d8  
Concen: 49.265 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

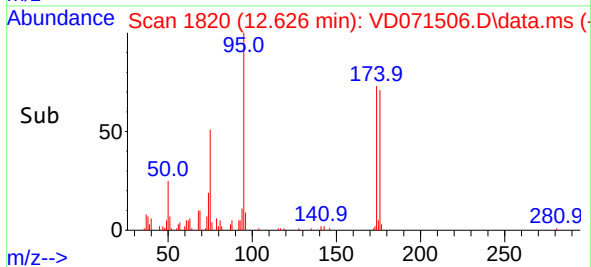
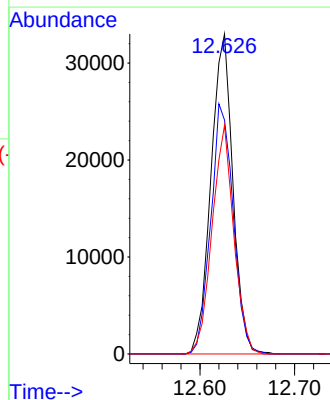
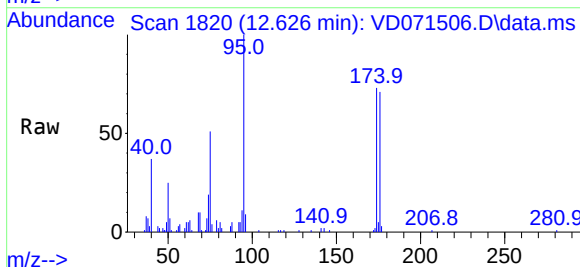
Instrument :  
MSVOA\_D  
ClientSampleId :  
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Tgt Ion: 98 Resp: 143590  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.8 77.6

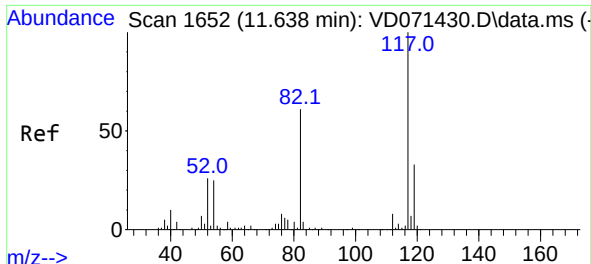


#62  
4-Bromofluorobenzene  
Concen: 51.118 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

Tgt Ion: 95 Resp: 52944  
Ion Ratio Lower Upper  
95 100  
174 80.2 0.0 159.4  
176 70.9 0.0 154.0



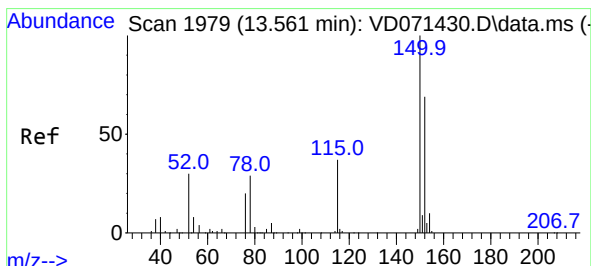
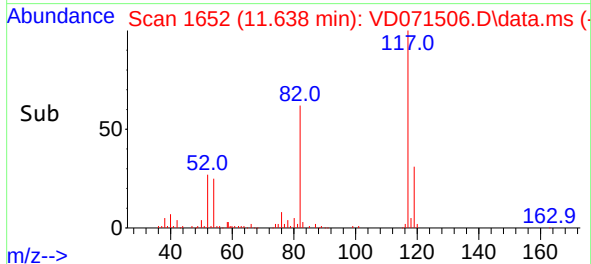
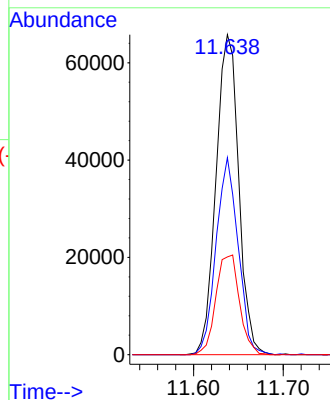
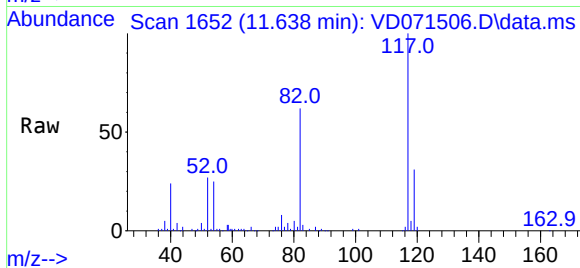




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 115525  
Delta R.T. -0.000 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

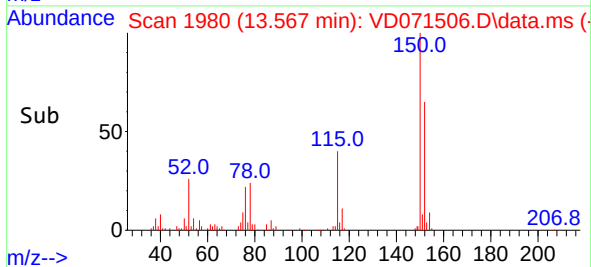
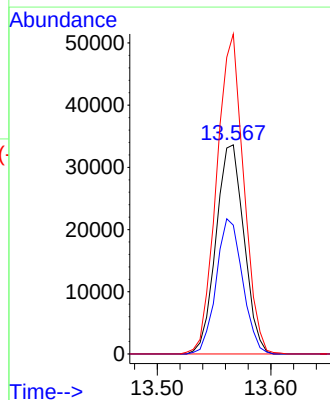
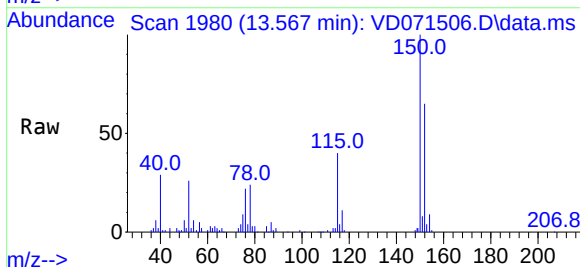
Instrument :  
MSVOA\_D  
ClientSampleId :  
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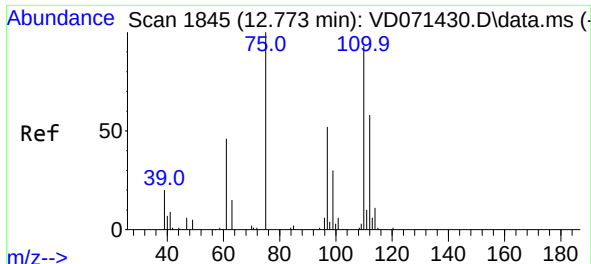
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 115525 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 61.6  | 44.7  | 67.1   |
| 119      | 30.6  | 26.2  | 39.4   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.006 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 57591 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 60.9  | 29.8  | 89.3  |
| 150      | 148.1 | 0.0   | 349.2 |

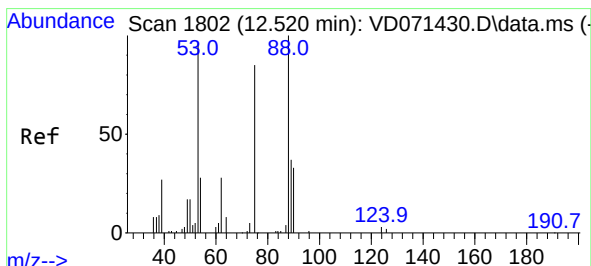
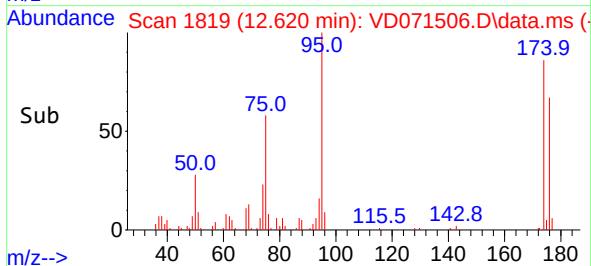
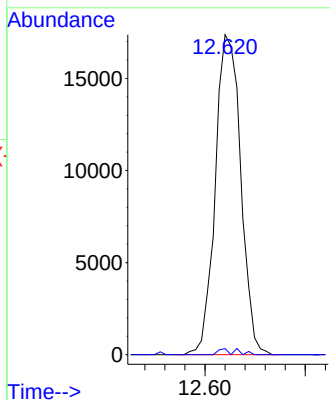
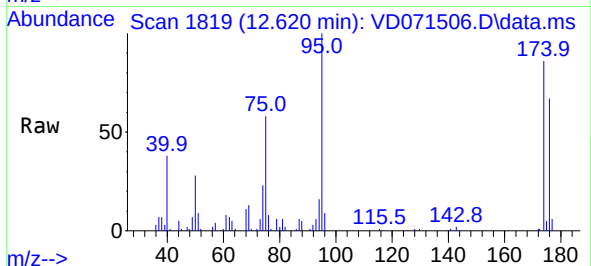




#76  
1,2,3-Trichloropropane  
Concen: 44.609 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.153 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-5

Tgt Ion: 75 Resp: 30525  
Ion Ratio Lower Upper  
75 100  
77 0.7 158.4 475.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 126.043 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.100 min  
Lab File: VD071506.D  
Acq: 28 Dec 2021 16:40

Tgt Ion: 75 Resp: 30525  
Ion Ratio Lower Upper  
75 100  
53 0.0 62.6 94.0#  
89 0.0 34.5 51.7#

