

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061721\  
 Data File : VD069488.D  
 Acq On : 17 Jun 2021 19:10  
 Operator : VA/SY  
 Sample : M2764-01  
 Misc : 10.89G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PHC-250EM-001

Quant Time: Jun 18 01:28:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061121S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 11 12:50:13 2021  
 Response via : Initial Calibration

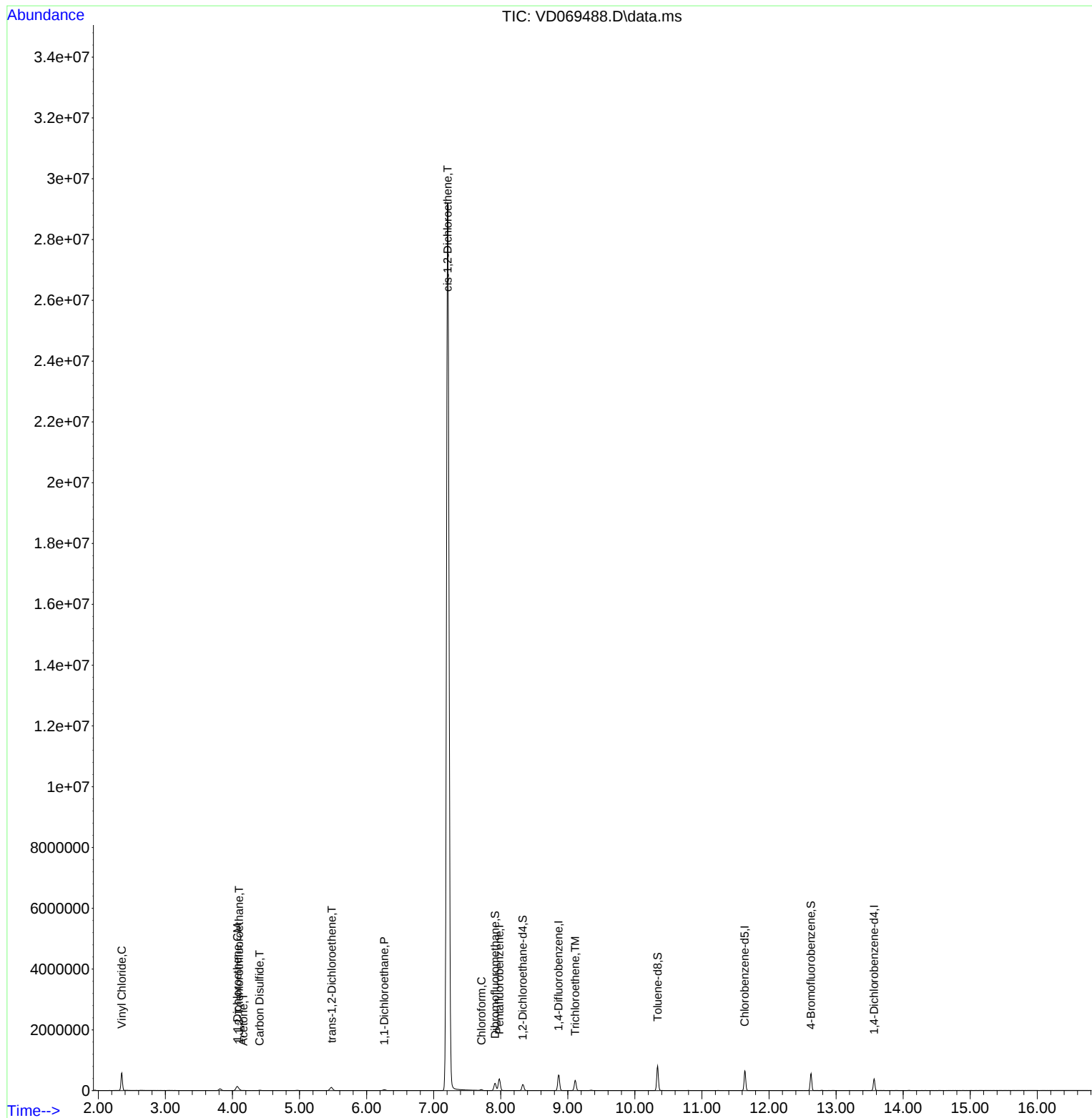
| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.979  | 168   | 280030   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.861  | 114   | 462733   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.638 | 117   | 394307   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.567 | 152   | 105451   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.326  | 65    | 161814   | 51.220   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 102.440% |          |
| 35) Dibromofluoromethane     | 7.914  | 113   | 174951   | 50.478   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 100.960% |          |
| 50) Toluene-d8               | 10.338 | 98    | 560602   | 44.224   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | = 88.440%  |          |
| 62) 4-Bromofluorobenzene     | 12.626 | 95    | 136260   | 33.501   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | = 67.000%  |          |
| Target Compounds             |        |       |          |          |            |          |
| 4) Vinyl Chloride            | 2.350  | 62    | 533608   | 158.085  | ug/l       | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.097  | 101   | 22804    | 6.946    | ug/l       | 98       |
| 12) 1,1-Dichloroethene       | 4.073  | 96    | 73208    | 24.650   | ug/l       | 95       |
| 16) Acetone                  | 4.162  | 43    | 9160     | 17.517   | ug/l #     | 76       |
| 17) Carbon Disulfide         | 4.403  | 76    | 27406    | 2.853    | ug/l       | 100      |
| 21) trans-1,2-Dichloroethene | 5.479  | 96    | 71690    | 20.617   | ug/l       | 97       |
| 24) 1,1-Dichloroethane       | 6.262  | 63    | 42950    | 7.429    | ug/l       | 98       |
| 27) cis-1,2-Dichloroethene   | 7.209  | 96    | 19064364 | 5065.126 | ug/l       | 87       |
| 30) Chloroform               | 7.714  | 83    | 29077    | 4.514    | ug/l       | 98       |
| 44) Trichloroethene          | 9.108  | 130   | 122769   | 31.390   | ug/l       | 97       |
| -----                        |        |       |          |          |            |          |

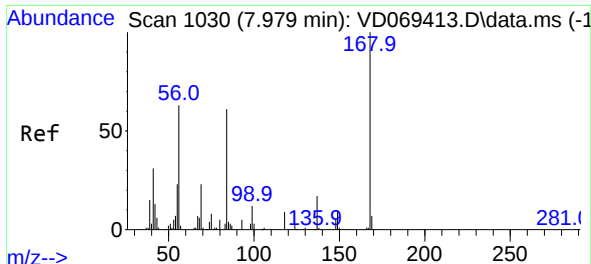
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
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Quant Title : SW846 8260  
QLast Update : Fri Jun 11 12:50:13 2021  
Response via : Initial Calibration

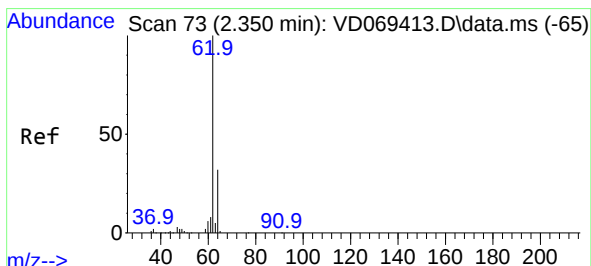
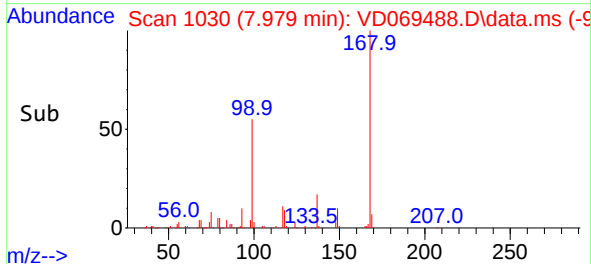
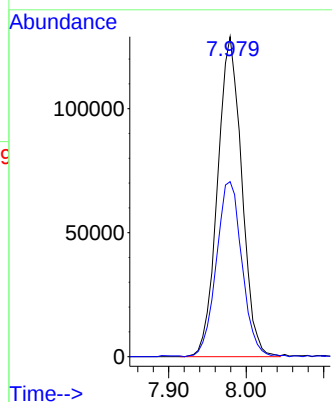
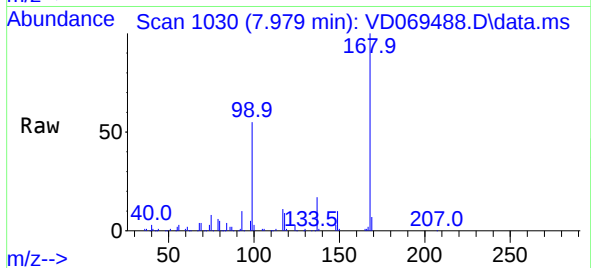




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

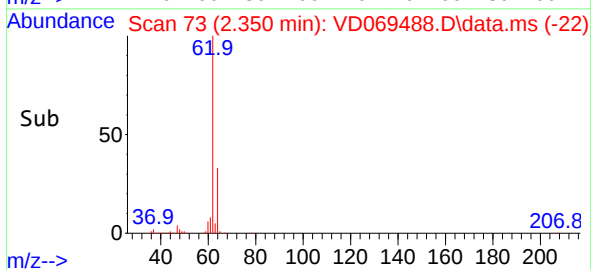
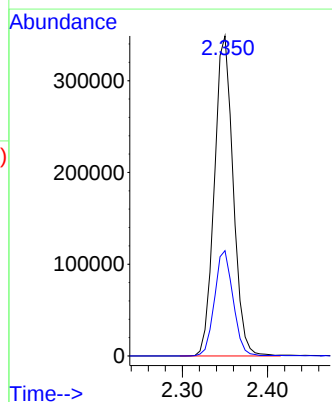
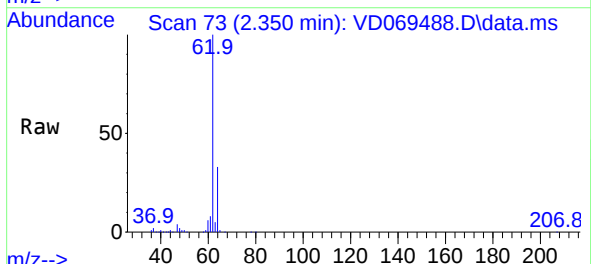
Instrument :  
MSVOA\_D  
ClientSampleId :  
PHC-250EM-001

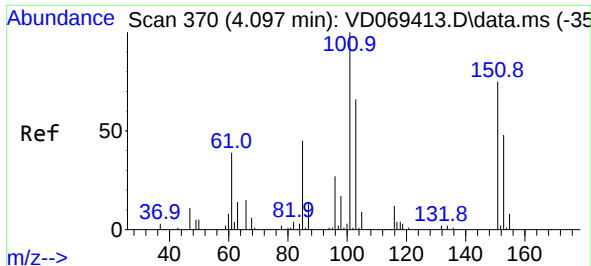
Tgt Ion:168 Resp: 280030  
Ion Ratio Lower Upper  
168 100  
99 54.4 46.2 69.2



#4  
Vinyl Chloride  
Concen: 158.085 ug/l  
RT: 2.350 min Scan# 73  
Delta R.T. 0.000 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

Tgt Ion: 62 Resp: 533608  
Ion Ratio Lower Upper  
62 100  
64 32.9 26.2 39.4

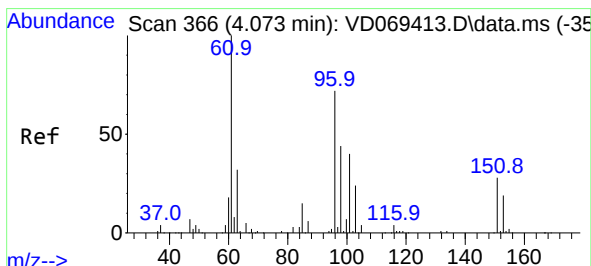
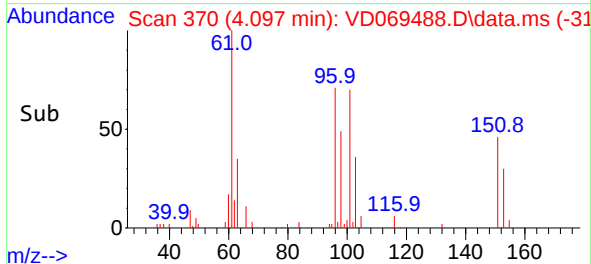
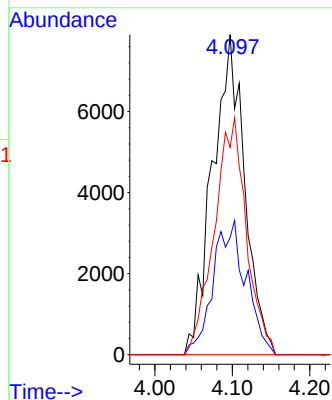
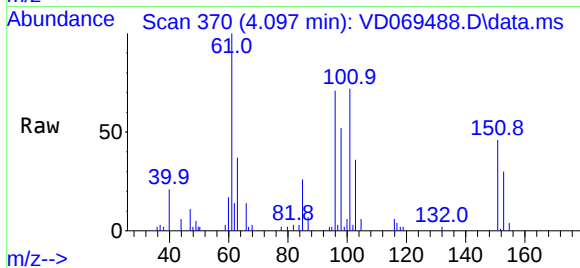




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 6.946 ug/l  
RT: 4.097 min Scan# 370  
Delta R.T. -0.000 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

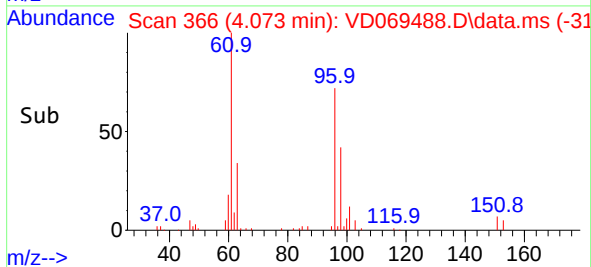
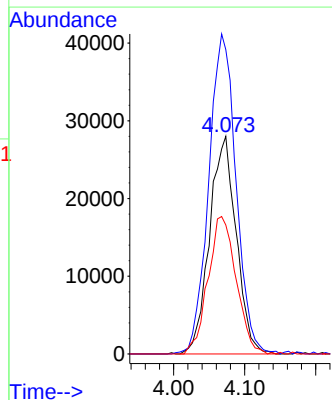
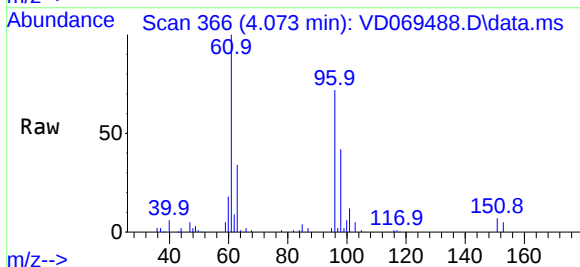
Instrument :  
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ClientSampleId :  
PHC-250EM-001

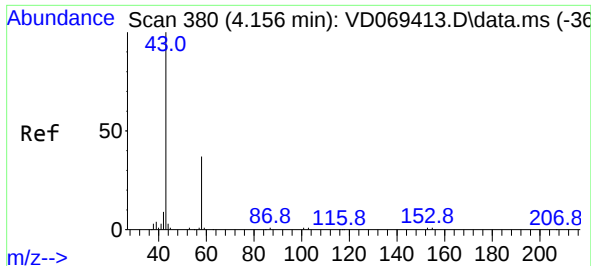
Tgt Ion:101 Resp: 22804  
Ion Ratio Lower Upper  
101 100  
85 42.9 35.1 52.7  
151 73.8 60.2 90.2



#12  
1,1-Dichloroethene  
Concen: 24.650 ug/l  
RT: 4.073 min Scan# 366  
Delta R.T. 0.000 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

Tgt Ion: 96 Resp: 73208  
Ion Ratio Lower Upper  
96 100  
61 139.9 116.5 174.7  
98 59.3 50.8 76.2

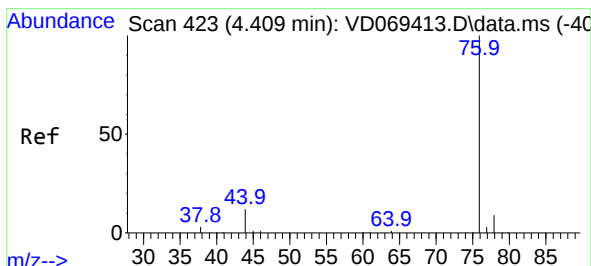
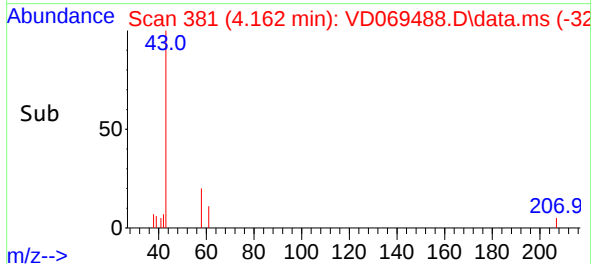
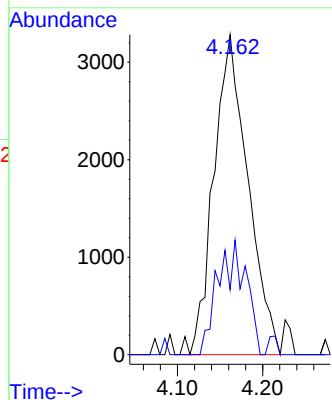
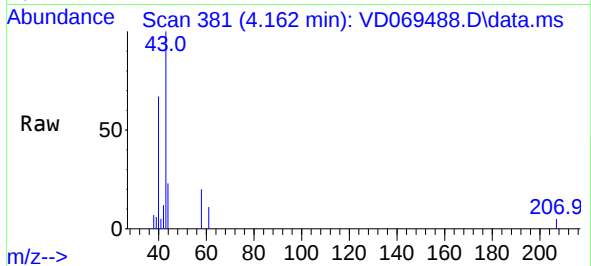




#16  
Acetone  
Concen: 17.517 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

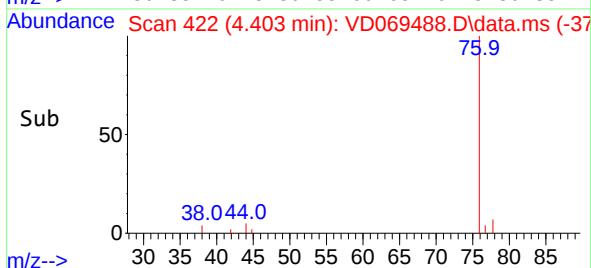
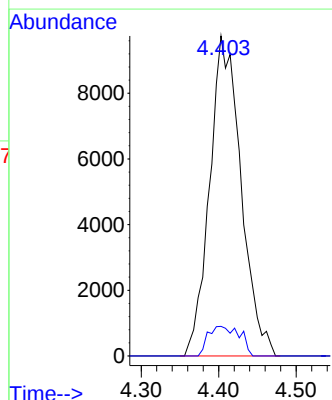
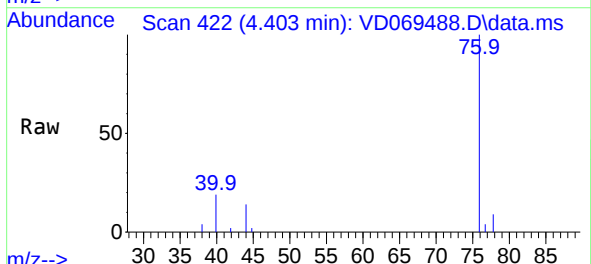
Instrument :  
MSVOA\_D  
ClientSampleId :  
PHC-250EM-001

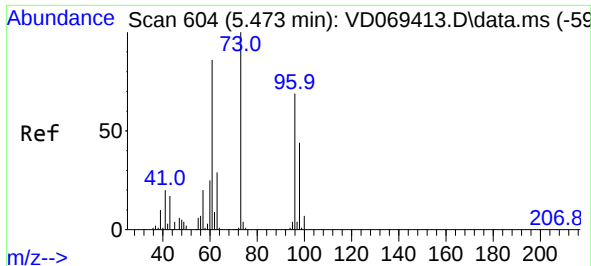
Tgt Ion: 43 Resp: 9160  
Ion Ratio Lower Upper  
43 100  
58 20.3 27.5 41.3#



#17  
Carbon Disulfide  
Concen: 2.853 ug/l  
RT: 4.403 min Scan# 422  
Delta R.T. -0.006 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

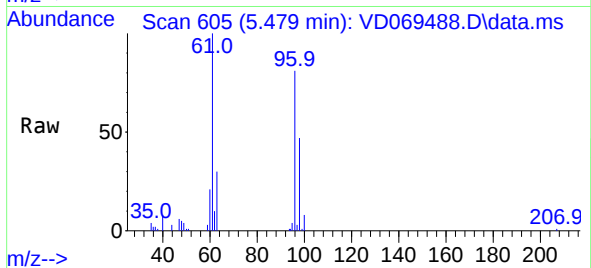
Tgt Ion: 76 Resp: 27406  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.0



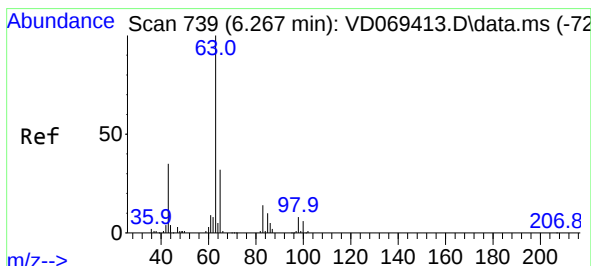
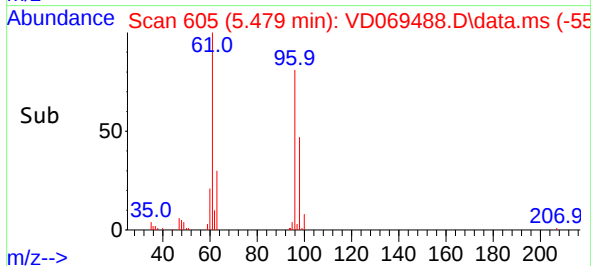
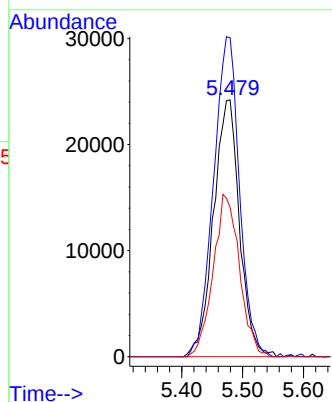


#21  
trans-1,2-Dichloroethene  
Concen: 20.617 ug/l  
RT: 5.479 min Scan# 605  
Delta R.T. 0.006 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
PHC-250EM-001

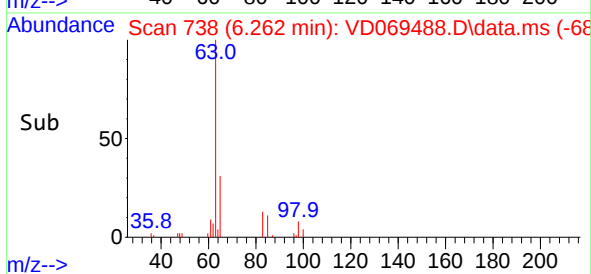
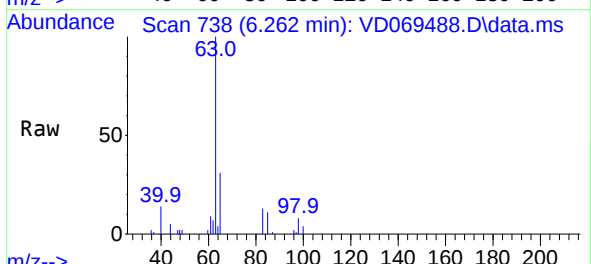
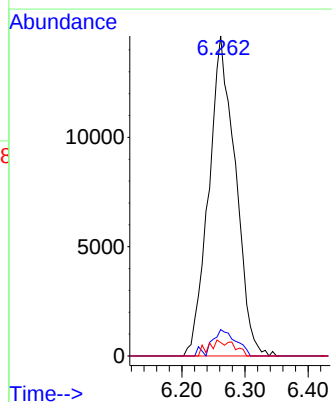


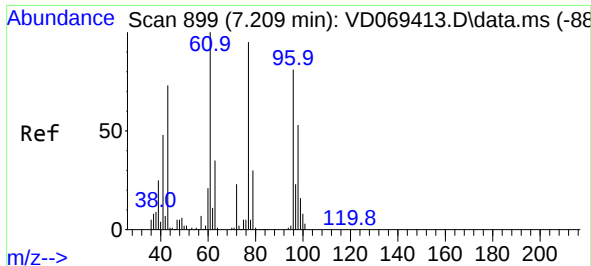
Tgt Ion: 96 Resp: 71690  
Ion Ratio Lower Upper  
96 100  
61 124.1 98.8 148.2  
98 58.1 51.4 77.2



#24  
1,1-Dichloroethane  
Concen: 7.429 ug/l  
RT: 6.262 min Scan# 738  
Delta R.T. -0.005 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

Tgt Ion: 63 Resp: 42950  
Ion Ratio Lower Upper  
63 100  
98 8.3 3.8 11.4  
100 4.2 2.6 7.8



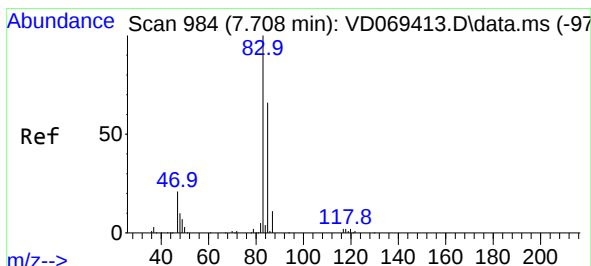
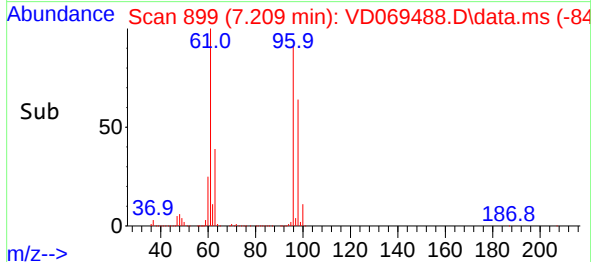
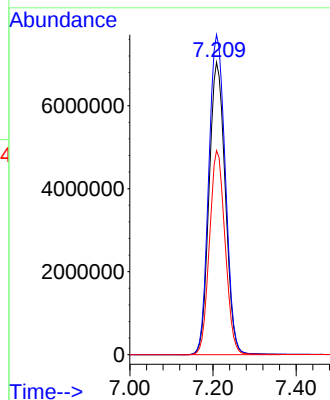
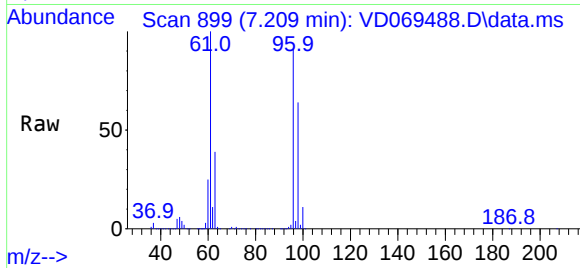


#27  
cis-1,2-Dichloroethene  
Concen: 5065.126 ug/l  
RT: 7.209 min Scan# 899  
Delta R.T. -0.000 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
PHC-250EM-001

Tgt Ion: 96 Resp:19064364

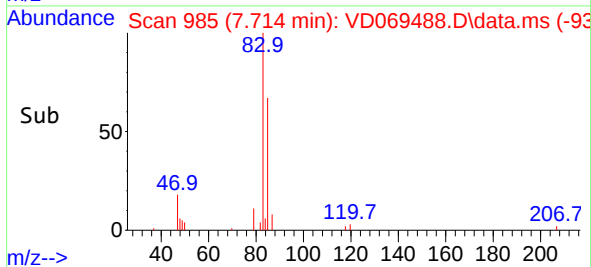
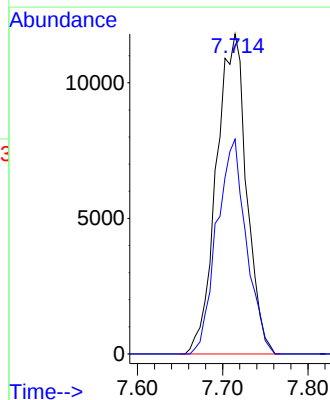
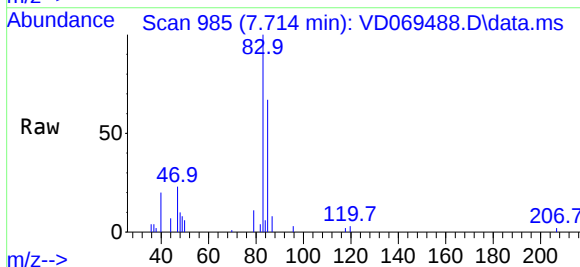
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 112.1 | 0.0   | 265.6 |
| 98  | 67.5  | 0.0   | 129.0 |

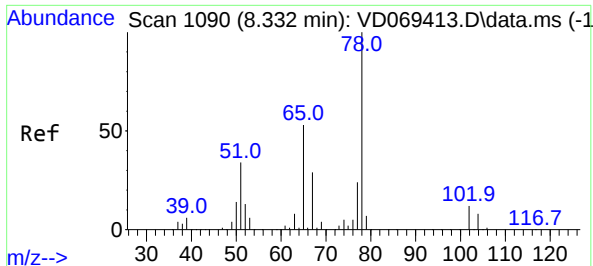


#30  
Chloroform  
Concen: 4.514 ug/l  
RT: 7.714 min Scan# 985  
Delta R.T. 0.006 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

Tgt Ion: 83 Resp: 29077

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 67.1  | 52.6  | 78.8  |

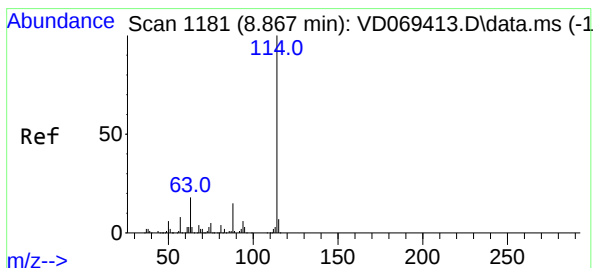
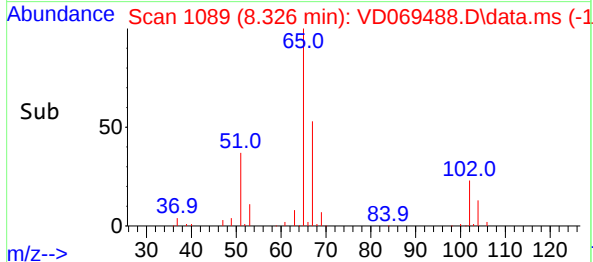
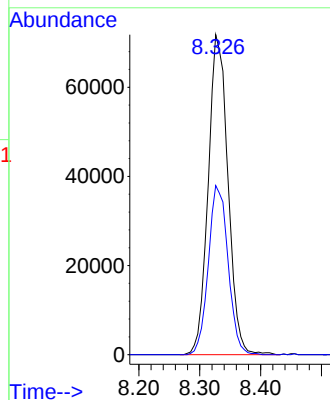
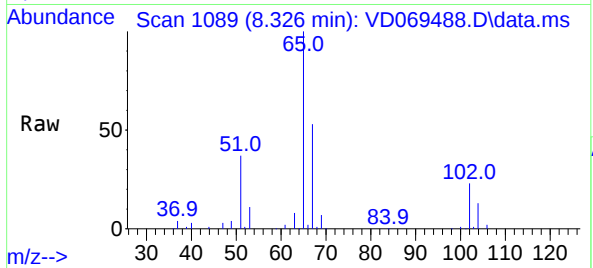




#33  
1,2-Dichloroethane-d4  
Concen: 51.220 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.006 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

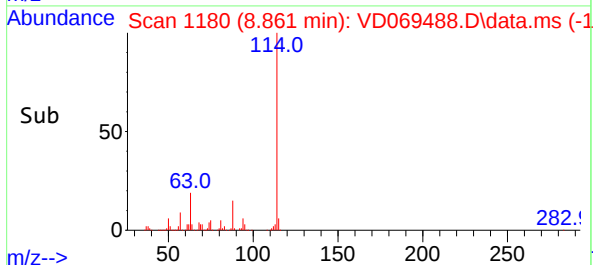
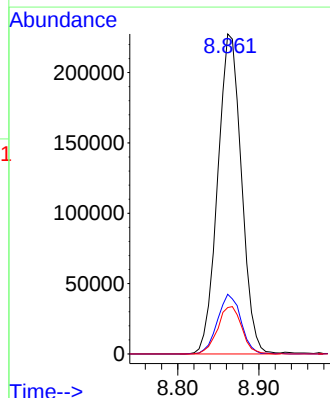
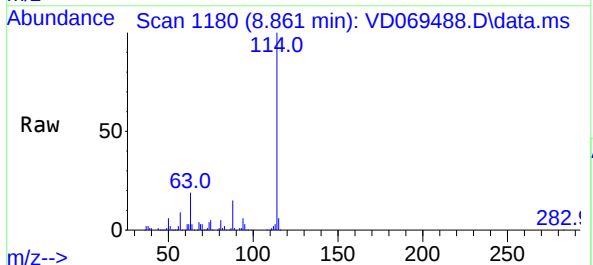
Instrument :  
MSVOA\_D  
ClientSampleId :  
PHC-250EM-001

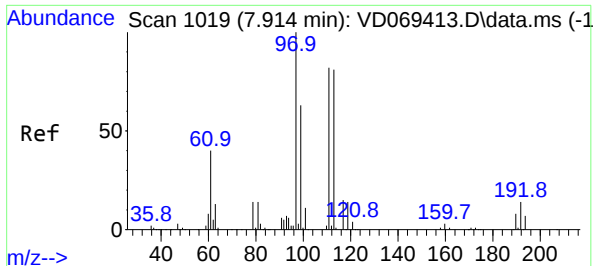
Tgt Ion: 65 Resp: 161814  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 105.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

Tgt Ion: 114 Resp: 462733  
Ion Ratio Lower Upper  
114 100  
63 18.6 0.0 35.6  
88 14.5 0.0 31.2

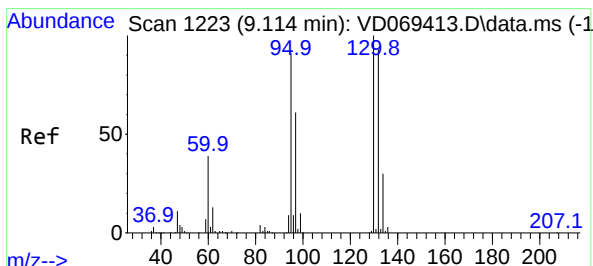
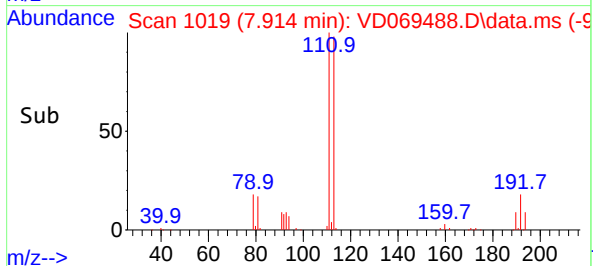
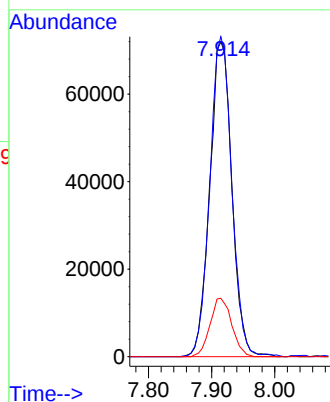
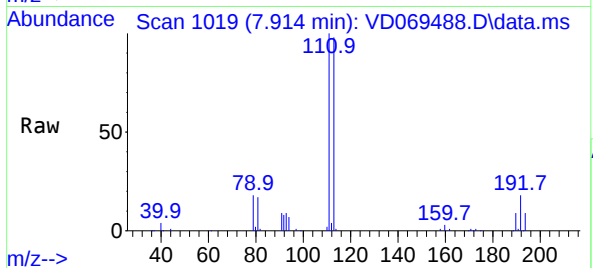




#35  
Dibromofluoromethane  
Concen: 50.478 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

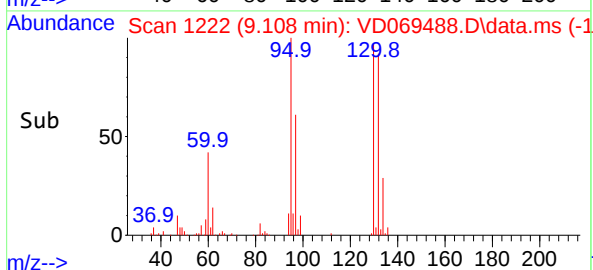
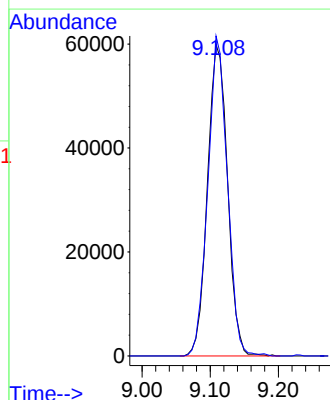
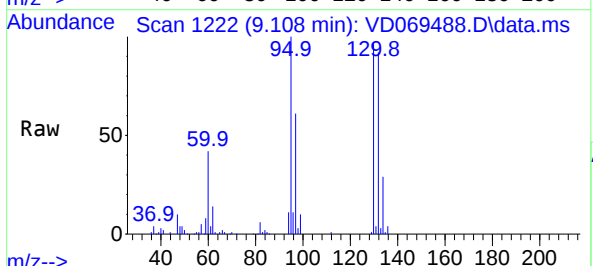
Instrument :  
MSVOA\_D  
ClientSampleId :  
PHC-250EM-001

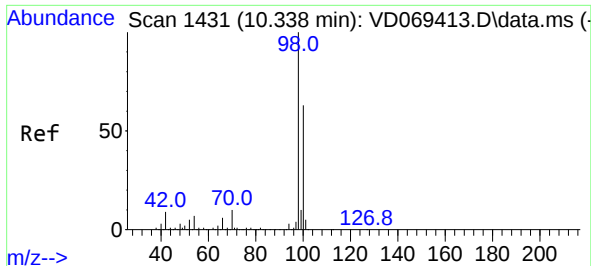
Tgt Ion:113 Resp: 174951  
Ion Ratio Lower Upper  
113 100  
111 100.6 83.0 124.6  
192 18.2 15.1 22.7



#44  
Trichloroethene  
Concen: 31.390 ug/l  
RT: 9.108 min Scan# 1222  
Delta R.T. -0.006 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

Tgt Ion:130 Resp: 122769  
Ion Ratio Lower Upper  
130 100  
95 102.7 0.0 198.8

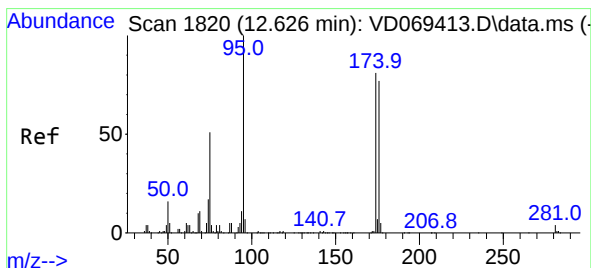
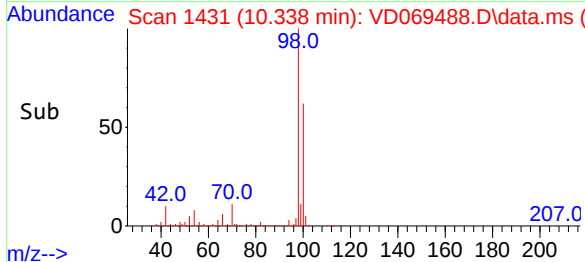
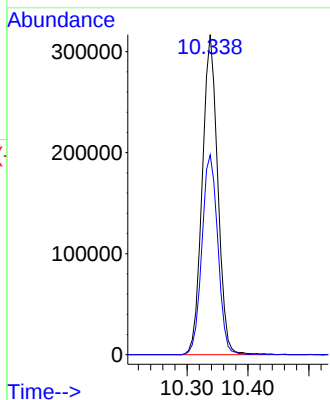
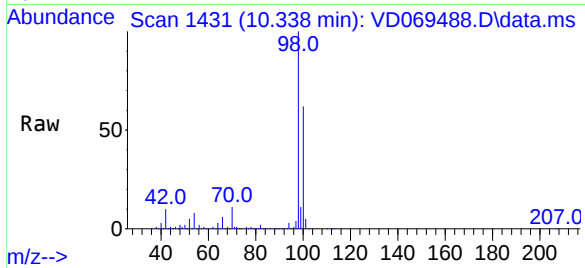




#50  
Toluene-d8  
Concen: 44.224 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

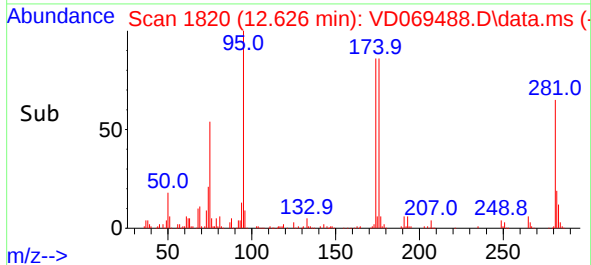
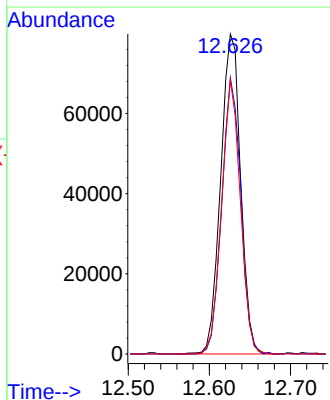
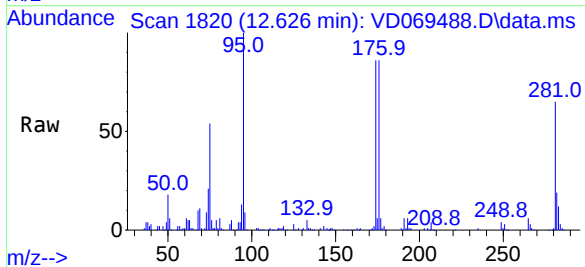
Instrument :  
MSVOA\_D  
ClientSampleId :  
PHC-250EM-001

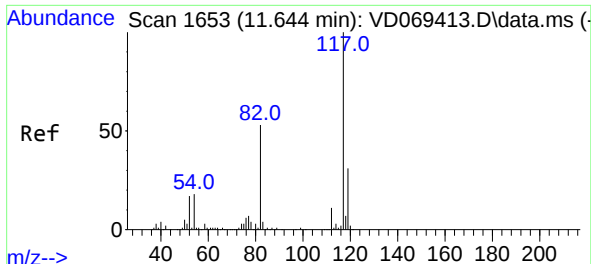
Tgt Ion: 98 Resp: 560602  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 33.501 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

Tgt Ion: 95 Resp: 136260  
Ion Ratio Lower Upper  
95 100  
174 82.4 0.0 162.8  
176 80.5 0.0 154.4

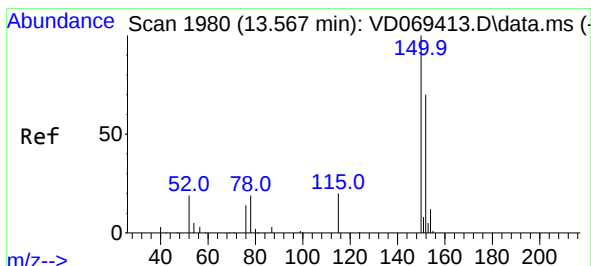
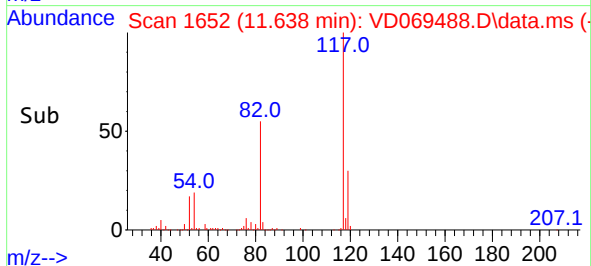
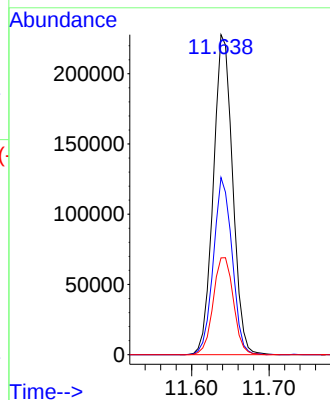
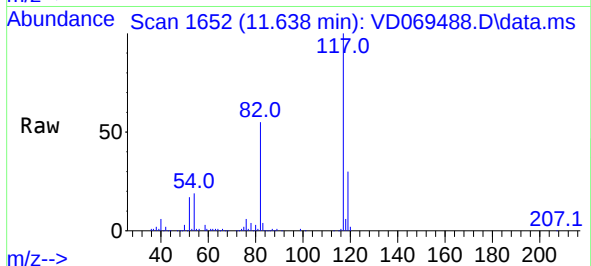




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.006 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

Instrument :  
MSVOA\_D  
ClientSampleId :  
PHC-250EM-001

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 394307 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 55.3  | 43.3  | 64.9   |
| 119      | 30.3  | 25.3  | 37.9   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD069488.D  
Acq: 17 Jun 2021 19:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 105451 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 58.0  | 29.4  | 88.3   |
| 150      | 158.4 | 0.0   | 355.0  |

