

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012221\  
 Data File : VD068148.D  
 Acq On : 22 Jan 2021 11:51  
 Operator : VA/SY  
 Sample : VD0122SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0122SBL01

Quant Time: Jan 22 23:57:06 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

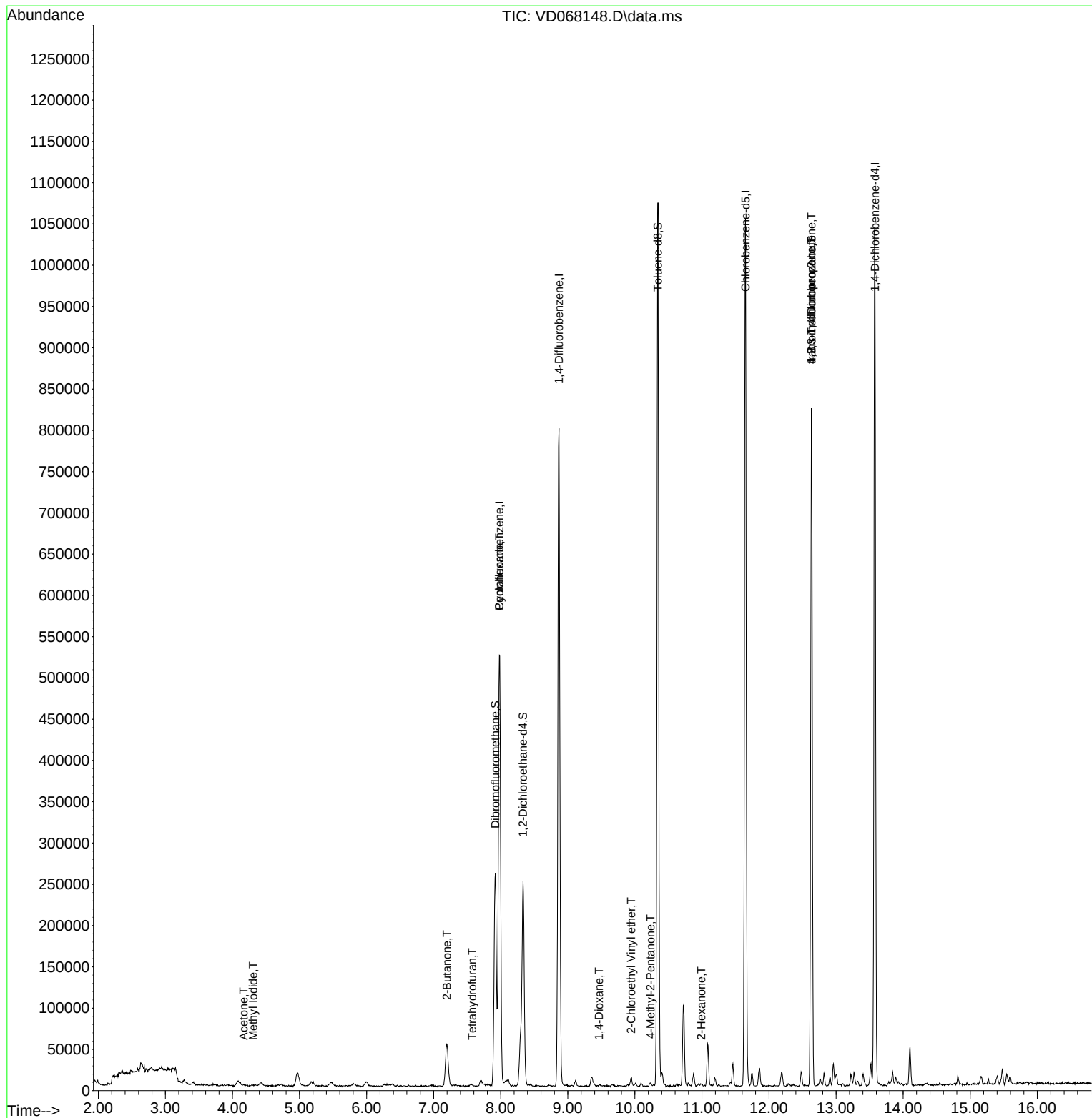
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.979  | 168   | 409946   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867  | 114   | 713500   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.650 | 117   | 634099   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.579 | 152   | 277539   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332  | 65    | 190606   | 48.60    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 97.20%   |
| 35) Dibromofluoromethane      | 7.920  | 113   | 191500   | 48.55    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 97.10%   |
| 50) Toluene-d8                | 10.344 | 98    | 744778   | 47.20    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | =      | 94.40%   |
| 62) 4-Bromofluorobenzene      | 12.632 | 95    | 264629   | 46.57    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | =      | 93.14%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 10) Methyl Iodide             | 4.309  | 142   | 1645     | 3.47     | ug/l # | 57       |
| 11) Tert butyl alcohol        | 5.185  | 59    | 3259     | Below    | Cal #  | 80       |
| 16) Acetone                   | 4.168  | 43    | 3440     | 4.91     | ug/l   | 94       |
| 20) Methylene Chloride        | 4.979  | 84    | 13421    | Below    | Cal    | 94       |
| 25) 2-Butanone                | 7.197  | 43    | 2525     | 2.39     | ug/l   | 95       |
| 29) Tetrahydrofuran           | 7.573  | 42    | 1281     | 1.87     | ug/l # | 52       |
| 31) Cyclohexane               | 7.979  | 56    | 12768    | 1.50     | ug/l # | 30       |
| 49) 1,4-Dioxane               | 9.467  | 88    | 127      | 4.34     | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 10.232 | 43    | 3224     | 1.31     | ug/l # | 58       |
| 58) 2-Chloroethyl Vinyl ether | 9.944  | 63    | 4542     | 2.09     | ug/l   | 89       |
| 59) 2-Hexanone                | 10.991 | 43    | 2163     | 1.27     | ug/l   | 91       |
| 76) 1,2,3-Trichloropropane    | 12.632 | 75    | 134574   | 50.15    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.632 | 75    | 134574   | 101.48   | ug/l # | 13       |
| -----                         |        |       |          |          |        |          |

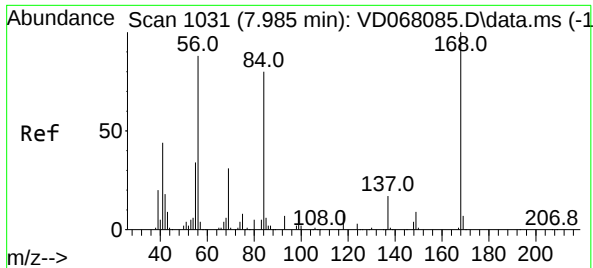
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012221\  
Data File : VD068148.D  
Acq On : 22 Jan 2021 11:51  
Operator : VA/SY  
Sample : VD0122SBL01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0122SBL01

Quant Time: Jan 22 23:57:06 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

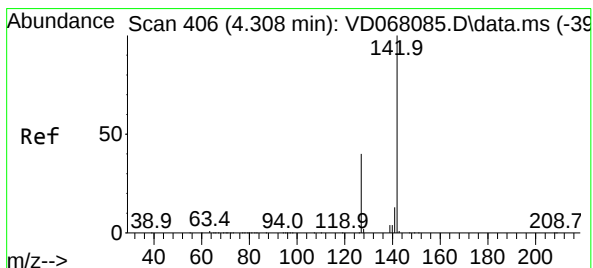
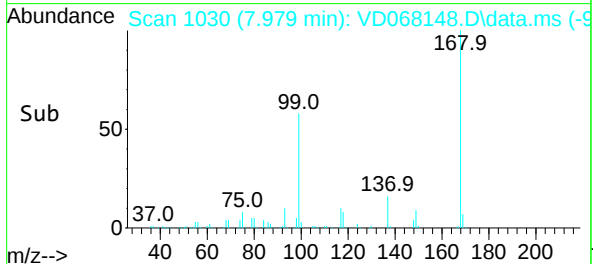
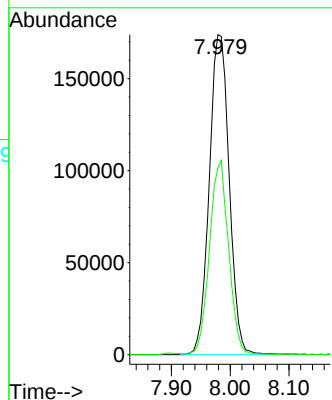
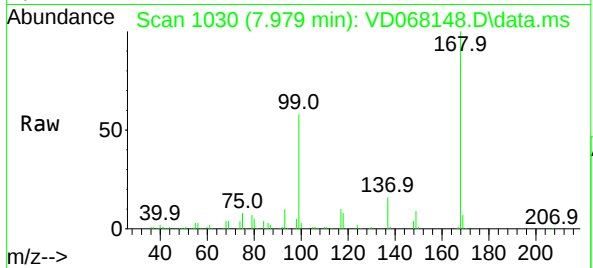




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

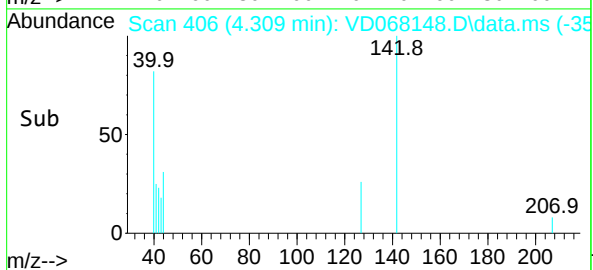
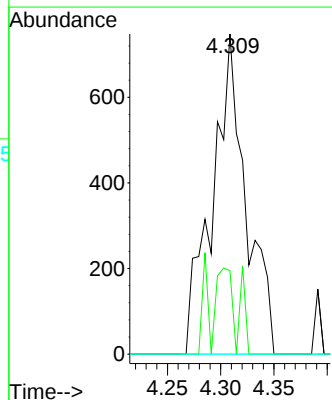
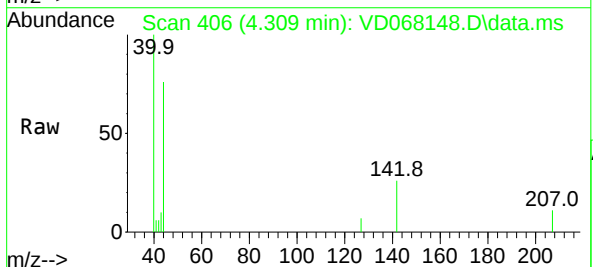
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0122SBL01

Tgt Ion:168 Resp: 409946  
Ion Ratio Lower Upper  
168 100  
99 58.3 43.5 65.3



#10  
Methyl Iodide  
Concen: 3.47 ug/l  
RT: 4.309 min Scan# 406  
Delta R.T. 0.001 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

Tgt Ion:142 Resp: 1645  
Ion Ratio Lower Upper  
142 100  
127 16.8 37.9 56.9#  
141 0.0 11.5 17.3#

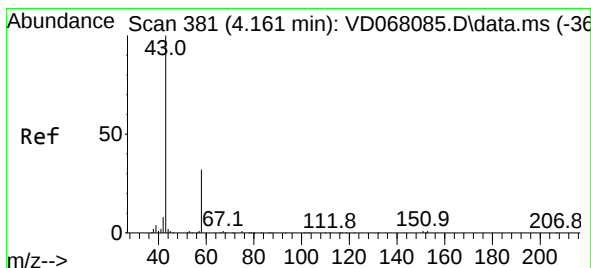
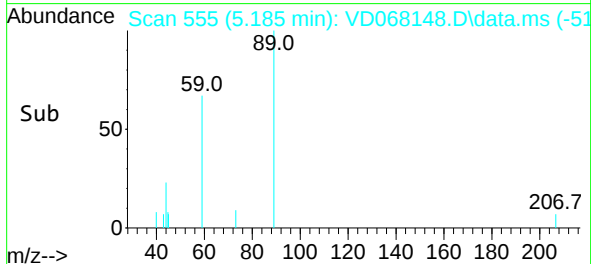
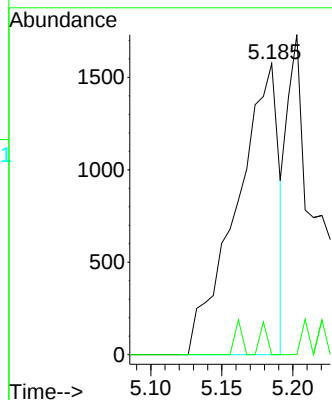
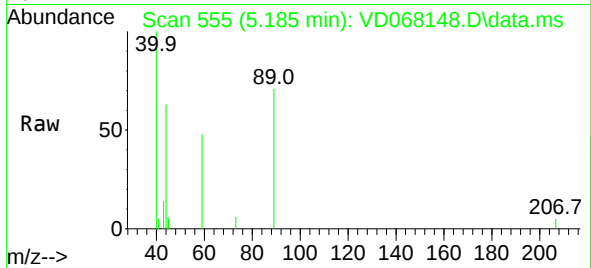




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.185 min Scan# 555  
Delta R.T. -0.035 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

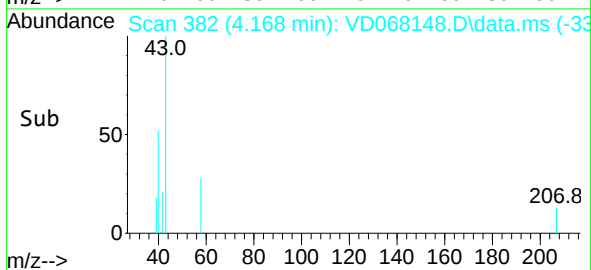
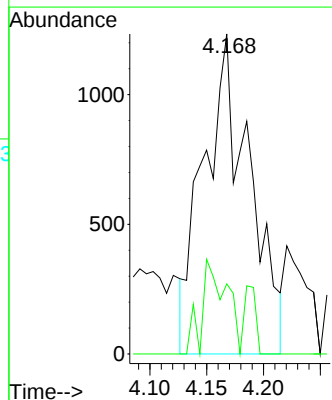
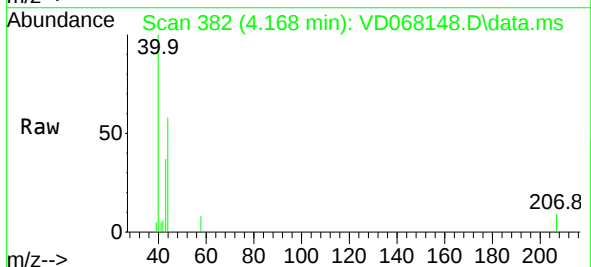
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0122SBL01

Tgt Ion: 59 Resp: 3259  
Ion Ratio Lower Upper  
59 100  
57 1.9 7.4 11.2#



#16  
Acetone  
Concen: 4.91 ug/l  
RT: 4.168 min Scan# 382  
Delta R.T. 0.006 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

Tgt Ion: 43 Resp: 3440  
Ion Ratio Lower Upper  
43 100  
58 27.0 24.2 36.4

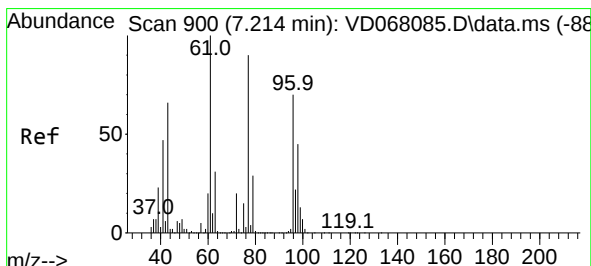
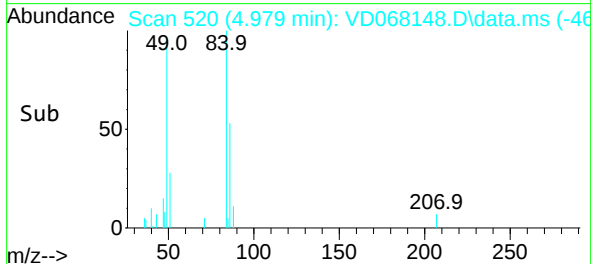
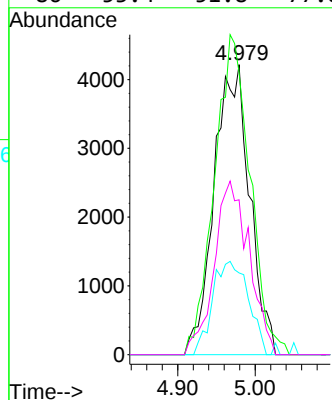
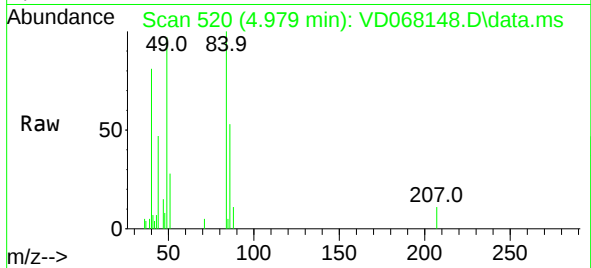




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.979 min Scan# 520  
Delta R.T. 0.006 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

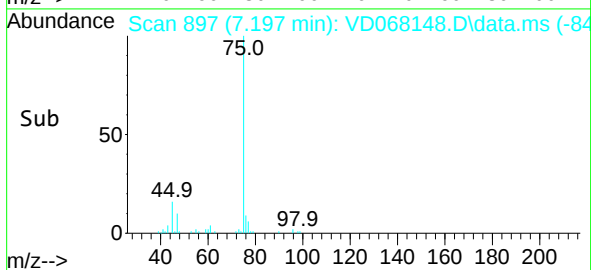
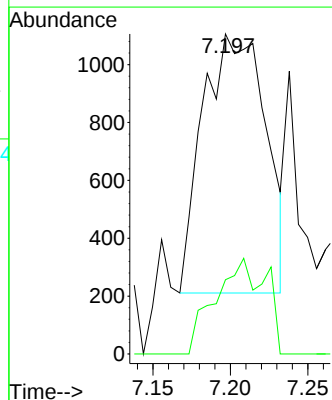
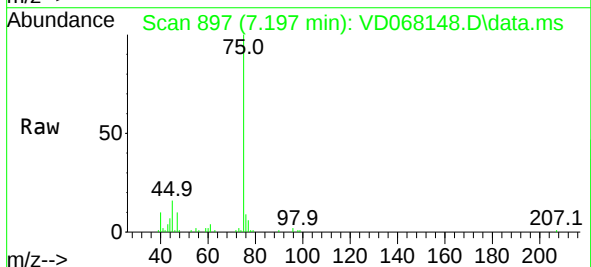
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0122SBL01

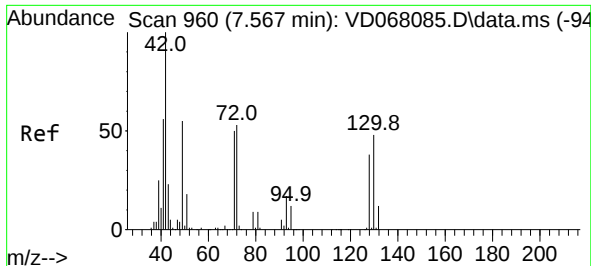
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 13421 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 97.3  | 77.4  | 116.2 |
| 51       | 28.2  | 26.1  | 39.1  |
| 86       | 53.4  | 51.8  | 77.8  |



#25  
2-Butanone  
Concen: 2.39 ug/l  
RT: 7.197 min Scan# 897  
Delta R.T. -0.017 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2525  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 28.7  | 25.1  | 37.7  |





#29

Tetrahydrofuran

Concen: 1.87 ug/l

RT: 7.573 min Scan# 961

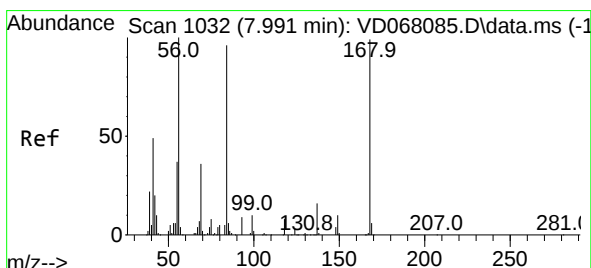
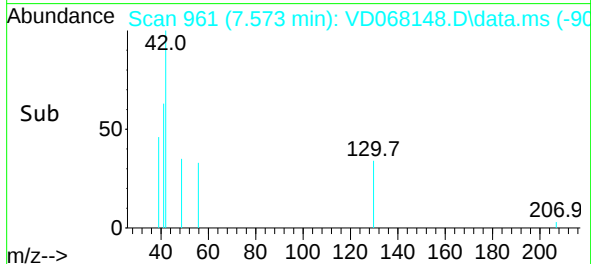
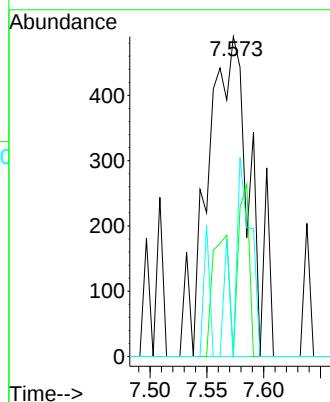
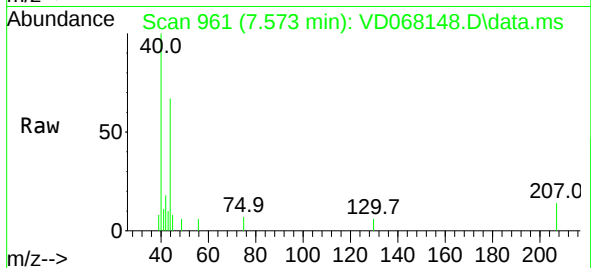
Delta R.T. 0.006 min

Lab File: VD068148.D

Acq: 22 Jan 2021 11:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 1281  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 13.6  | 43.4  | 65.0# |
| 71       | 24.2  | 40.8  | 61.2# |

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0122SBL01



#31

Cyclohexane

Concen: 1.50 ug/l

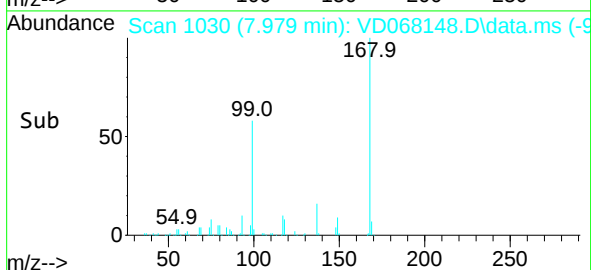
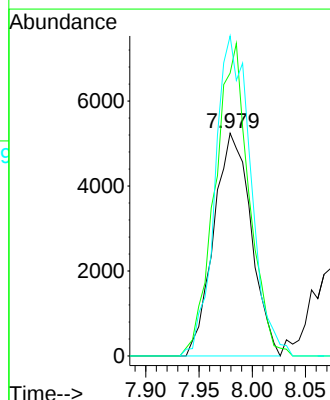
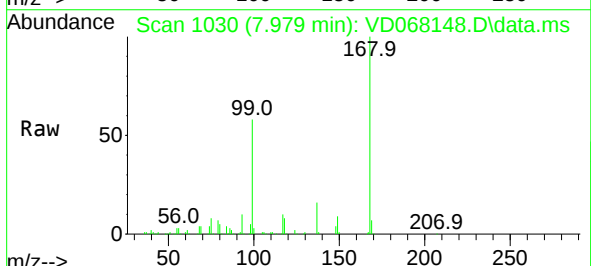
RT: 7.979 min Scan# 1030

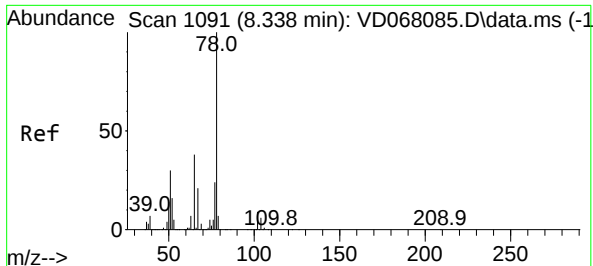
Delta R.T. -0.011 min

Lab File: VD068148.D

Acq: 22 Jan 2021 11:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 12768  |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 126.9 | 30.1  | 45.1#  |
| 84       | 143.6 | 82.1  | 123.1# |

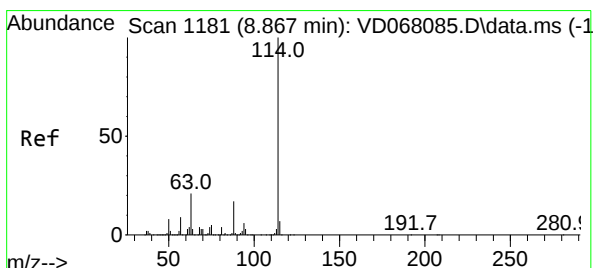
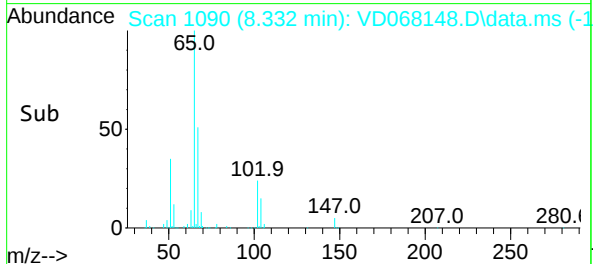
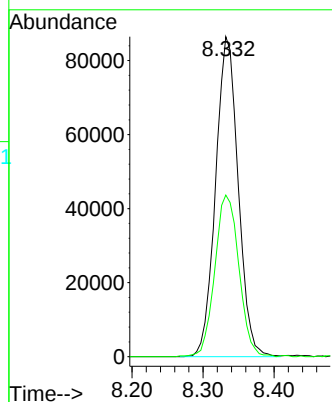
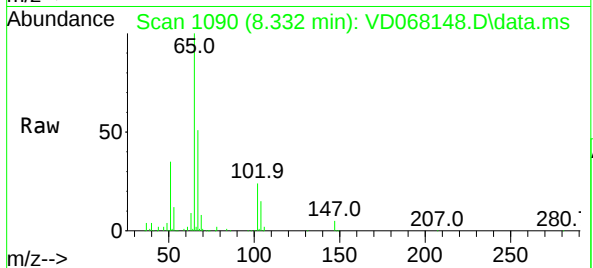




#33  
1,2-Dichloroethane-d4  
Concen: 48.60 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

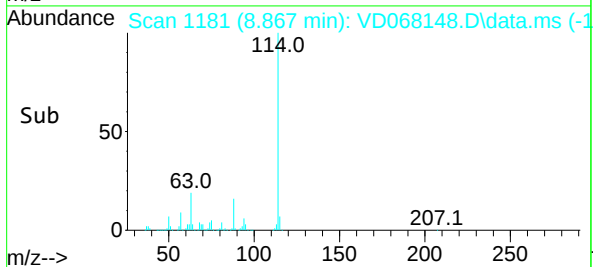
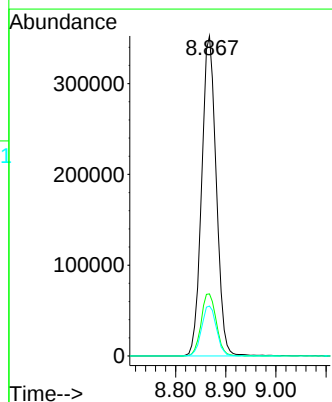
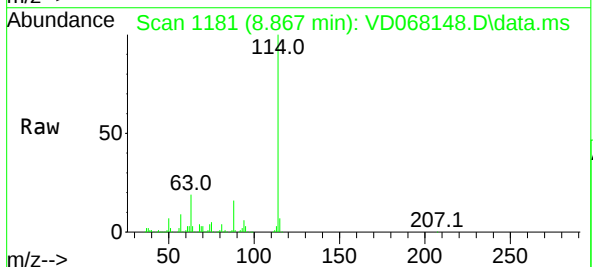
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0122SBL01

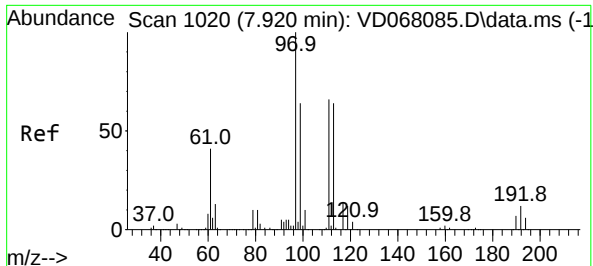
Tgt Ion: 65 Resp: 190606  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 105.0



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

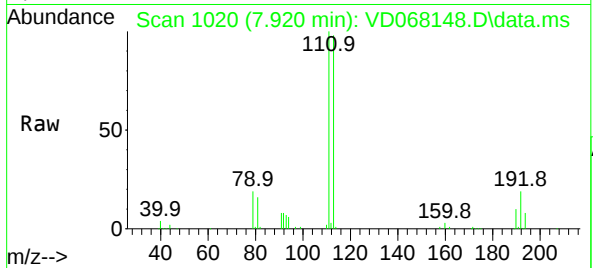
Tgt Ion: 114 Resp: 713500  
Ion Ratio Lower Upper  
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63 19.4 0.0 34.8  
88 15.6 0.0 31.6



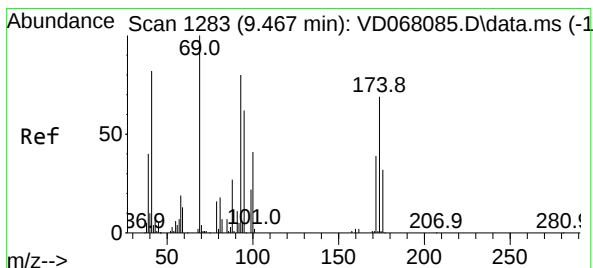
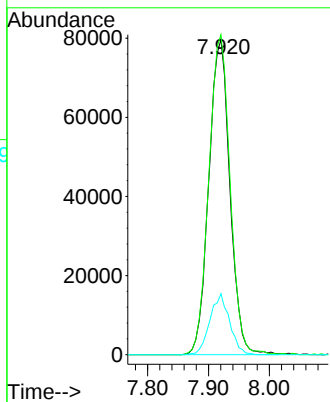
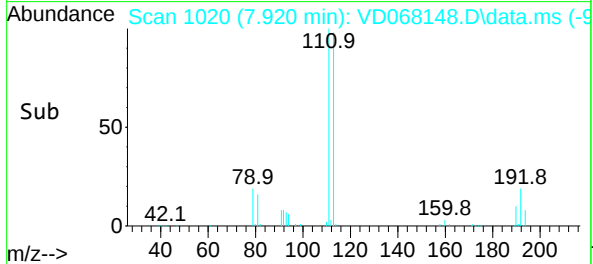


#35  
Dibromofluoromethane  
Concen: 48.55 ug/l  
RT: 7.920 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

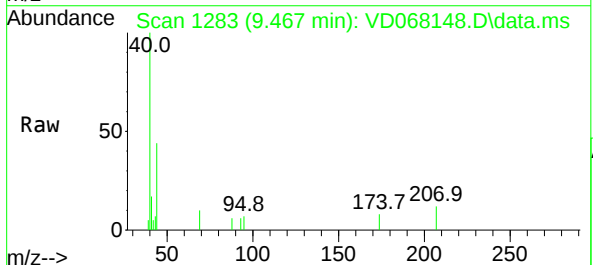
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0122SBL01



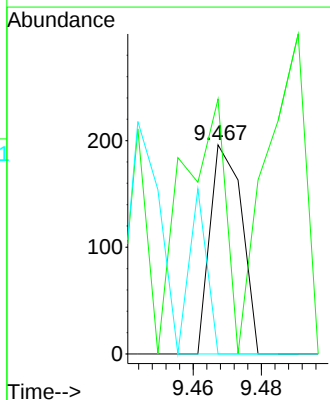
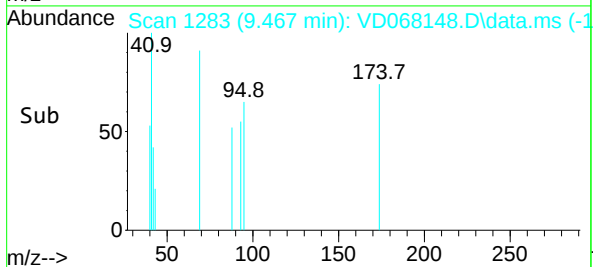
Tgt Ion:113 Resp: 191500  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.4 122.0  
192 18.1 16.1 24.1

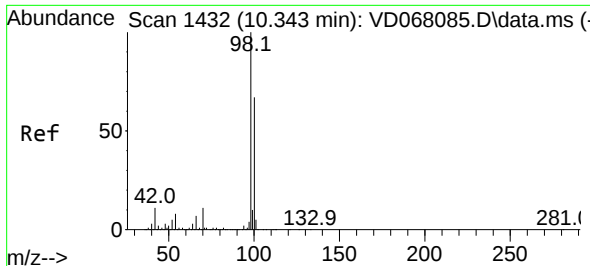


#49  
1,4-Dioxane  
Concen: 4.34 ug/l  
RT: 9.467 min Scan# 1283  
Delta R.T. 0.000 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51



Tgt Ion: 88 Resp: 127  
Ion Ratio Lower Upper  
88 100  
43 162.2 22.1 33.1#  
58 0.0 46.7 70.1#

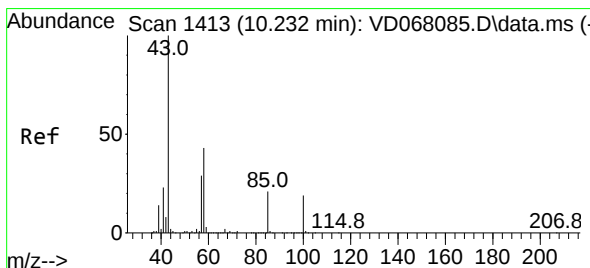
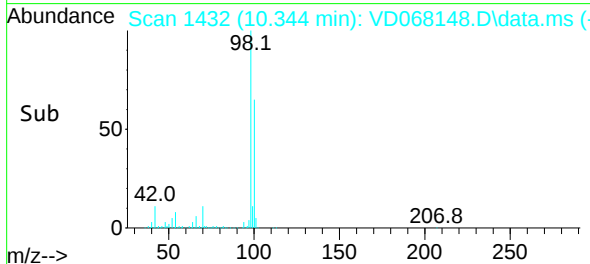
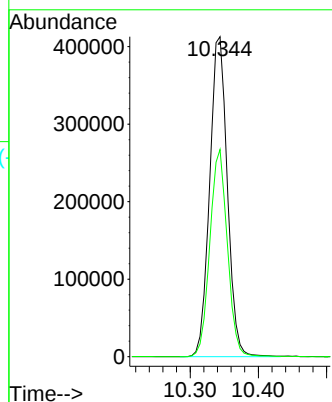
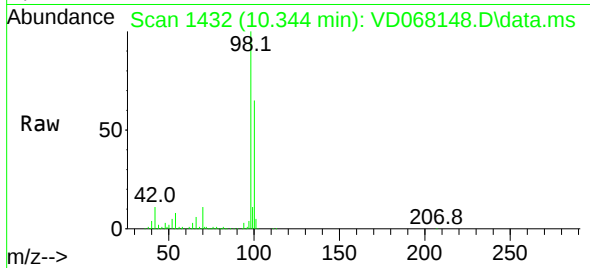




#50  
Toluene-d8  
Concen: 47.20 ug/l  
RT: 10.344 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

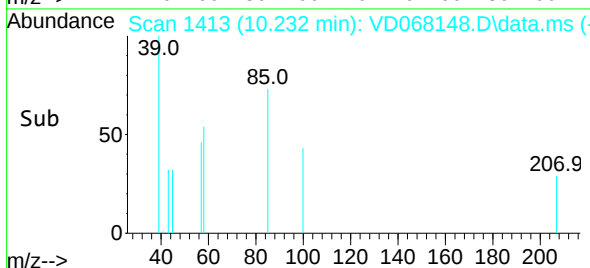
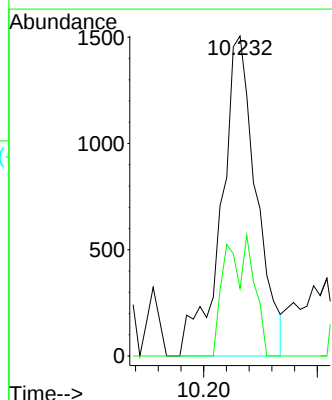
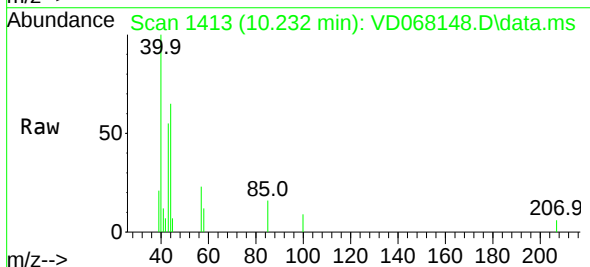
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0122SBL01

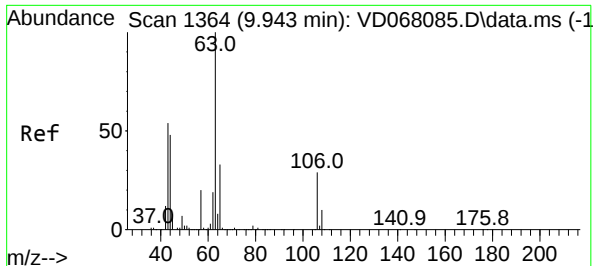
Tgt Ion: 98 Resp: 744778  
Ion Ratio Lower Upper  
98 100  
100 64.2 53.0 79.4



#51  
4-Methyl-2-Pentanone  
Concen: 1.31 ug/l  
RT: 10.232 min Scan# 1413  
Delta R.T. 0.000 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

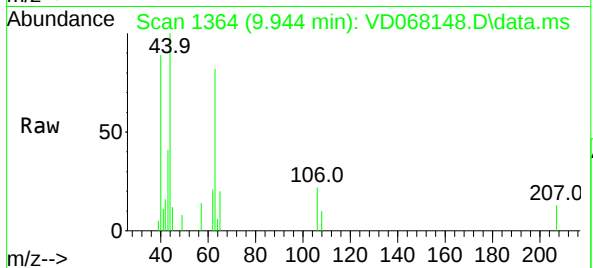
Tgt Ion: 43 Resp: 3224  
Ion Ratio Lower Upper  
43 100  
58 17.9 36.1 54.1#



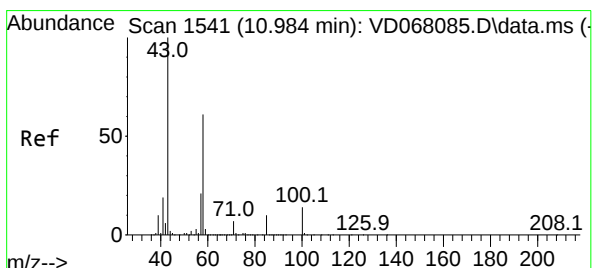
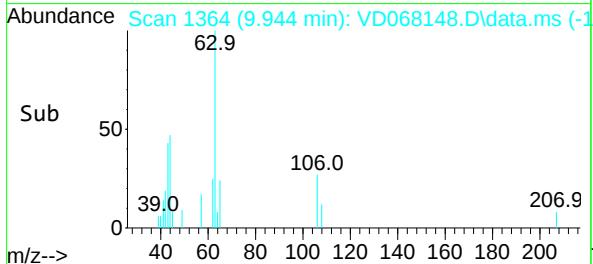
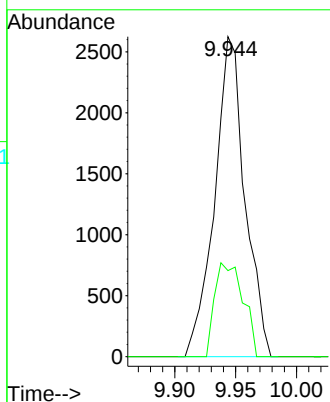


#58  
2-Chloroethyl Vinyl ether  
Concen: 2.09 ug/l  
RT: 9.944 min Scan# 1364  
Delta R.T. 0.000 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

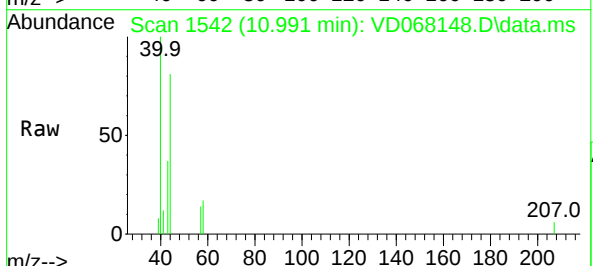
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0122SBL01



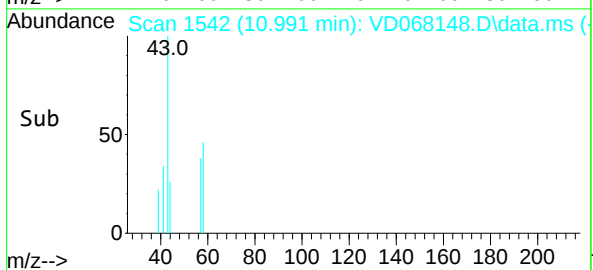
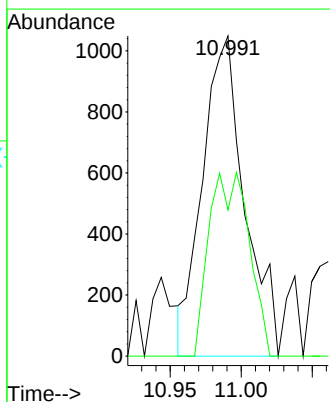
Tgt Ion: 63 Resp: 4542  
Ion Ratio Lower Upper  
63 100  
106 27.4 27.0 40.4

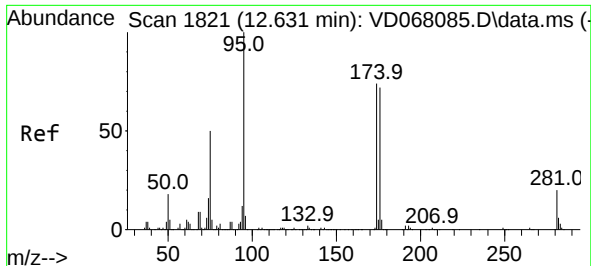


#59  
2-Hexanone  
Concen: 1.27 ug/l  
RT: 10.991 min Scan# 1542  
Delta R.T. 0.006 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51



Tgt Ion: 43 Resp: 2163  
Ion Ratio Lower Upper  
43 100  
58 54.7 31.0 93.0

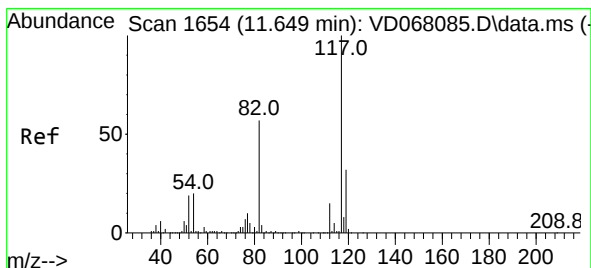
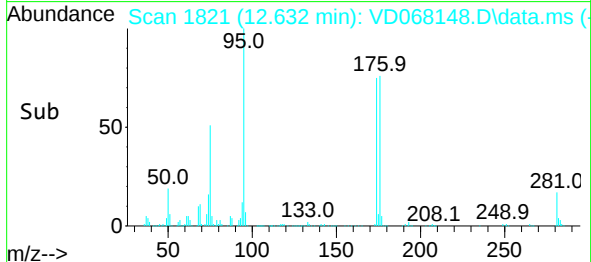
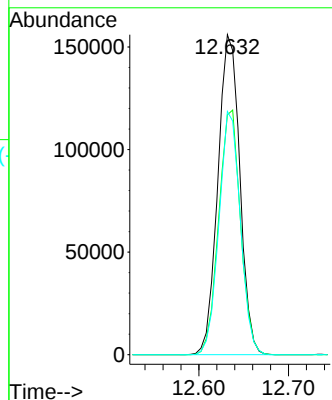
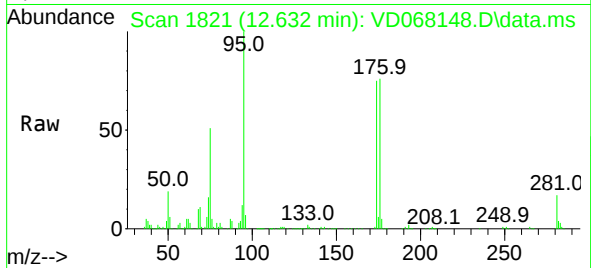




#62  
4-Bromofluorobenzene  
Concen: 46.57 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

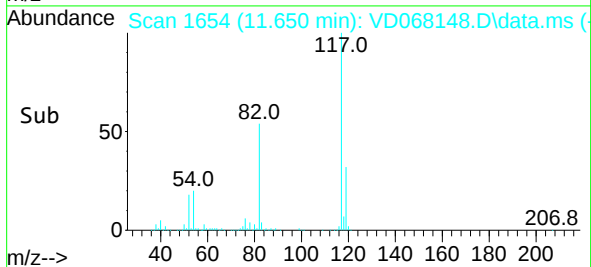
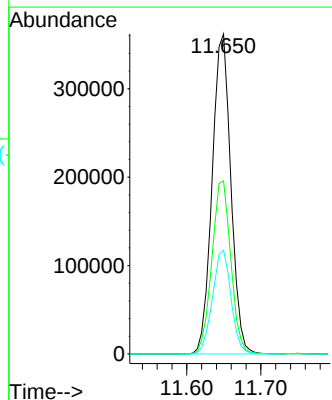
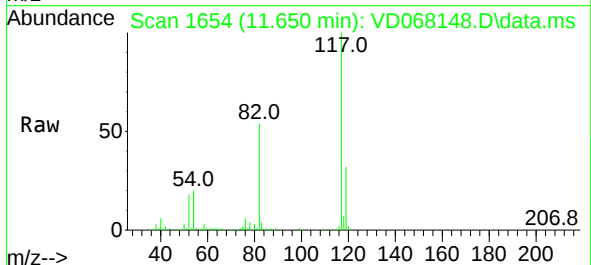
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0122SBL01

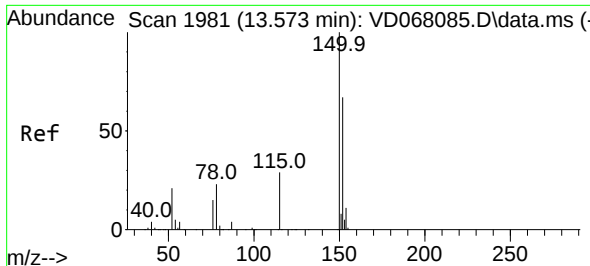
Tgt Ion: 95 Resp: 264629  
Ion Ratio Lower Upper  
95 100  
174 76.0 0.0 172.4  
176 73.9 0.0 168.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.650 min Scan# 1654  
Delta R.T. 0.001 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

Tgt Ion: 117 Resp: 634099  
Ion Ratio Lower Upper  
117 100  
82 54.0 41.4 62.0  
119 32.4 26.1 39.1

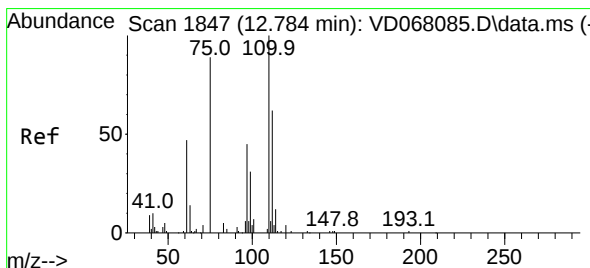
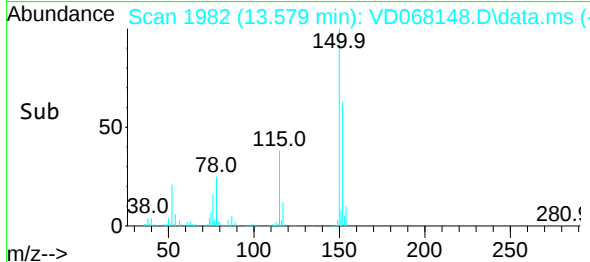
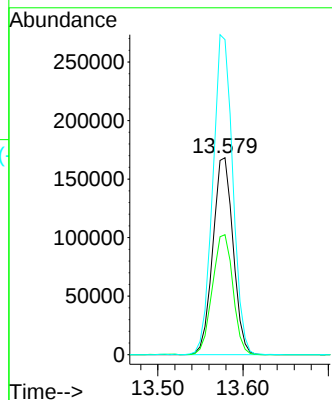
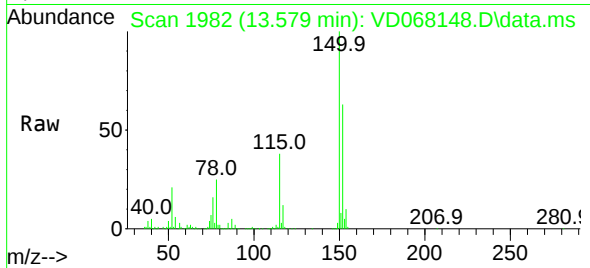




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.579 min Scan# 1982  
Delta R.T. 0.006 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

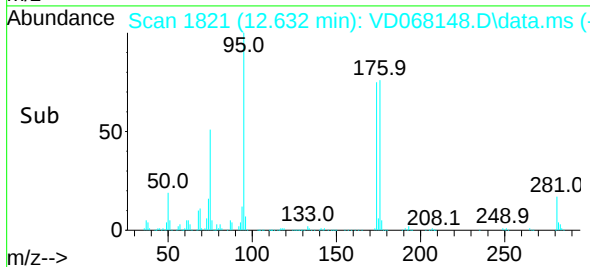
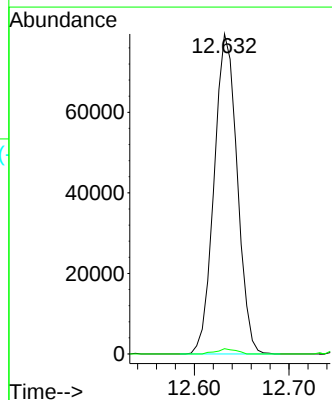
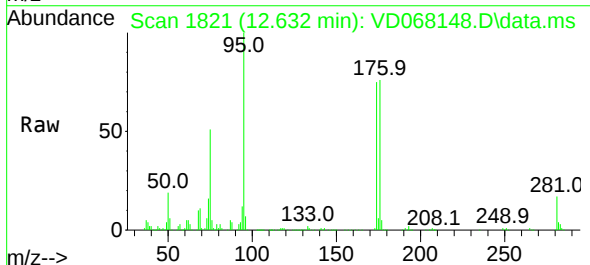
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0122SBL01

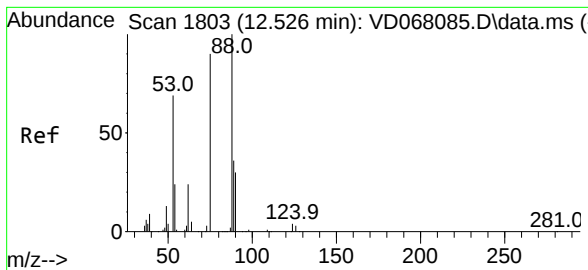
Tgt Ion:152 Resp: 277539  
Ion Ratio Lower Upper  
152 100  
115 61.8 28.9 86.8  
150 160.3 0.0 344.4



#76  
1,2,3-Trichloropropane  
Concen: 50.15 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. -0.153 min  
Lab File: VD068148.D  
Acq: 22 Jan 2021 11:51

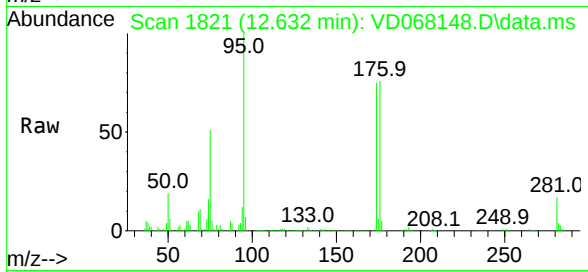
Tgt Ion: 75 Resp: 134574  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 101.48 ug/l  
 RT: 12.632 min Scan# 1821  
 Delta R.T. 0.106 min  
 Lab File: VD068148.D  
 Acq: 22 Jan 2021 11:51

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0122SBL01



Tgt Ion: 75 Resp: 134574  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 70.2 105.2#  
 89 0.1 40.3 60.5#

