

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022122\  
 Data File : VD072032.D  
 Acq On : 21 Feb 2022 15:04  
 Operator : VA/SY  
 Sample : N1626-03  
 Misc : 5.11G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CC-A2

Quant Time: Feb 22 01:05:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 19 04:05:38 2022  
 Response via : Initial Calibration

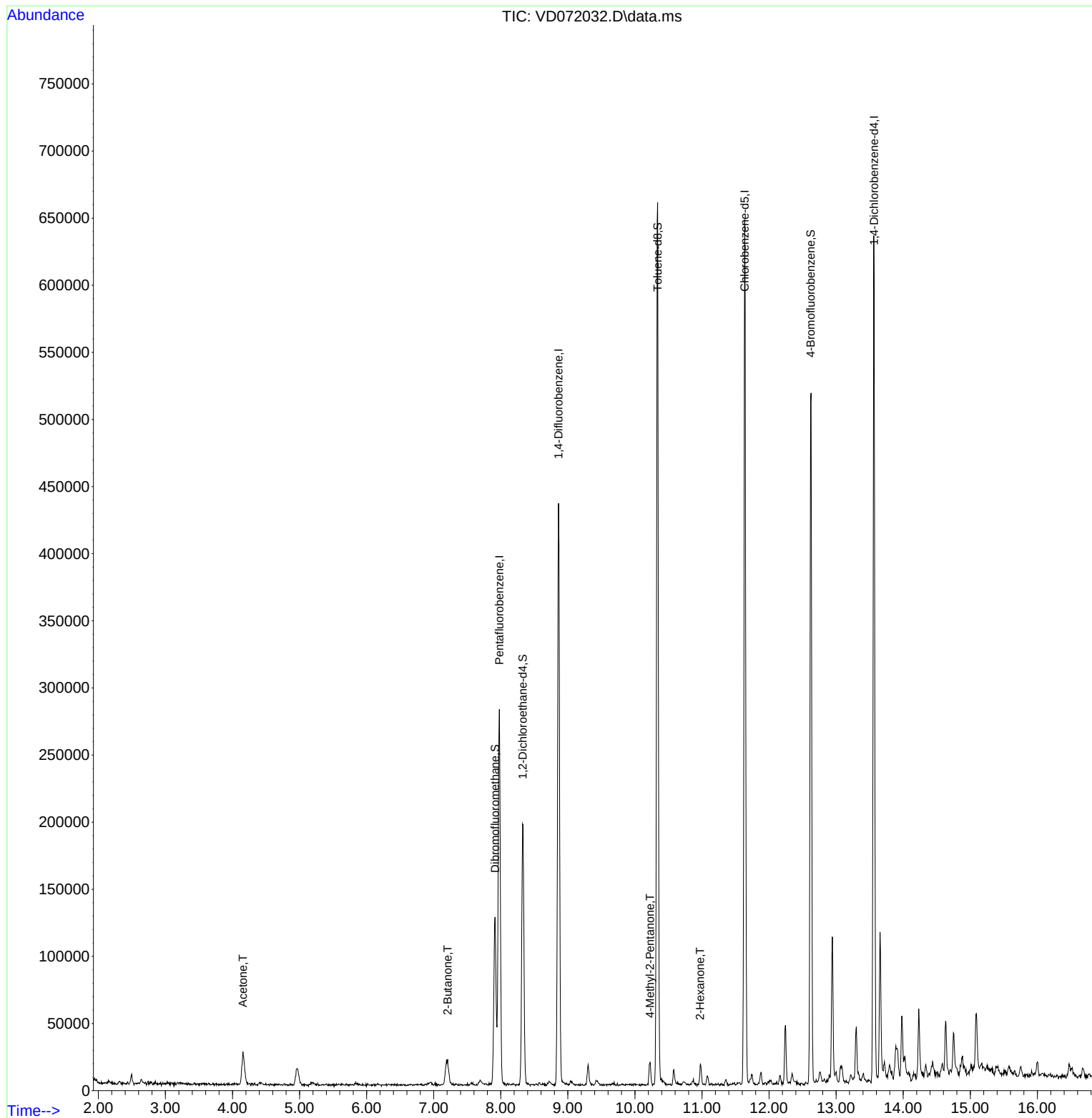
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.979     | 168   | 207460   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861     | 114   | 368329   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.637    | 117   | 369645   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.567    | 152   | 165257   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.326     | 65    | 161583   | 75.086   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 150.180% |          |
| 35) Dibromofluoromethane    | 7.914     | 113   | 90586    | 40.592   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 81.180%  |          |
| 50) Toluene-d8              | 10.337    | 98    | 451358   | 54.540   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 49 - 140 | Recovery | = 109.080% |          |
| 62) 4-Bromofluorobenzene    | 12.620    | 95    | 168540   | 55.443   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 25 - 144 | Recovery | = 110.880% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.155     | 43    | 43252    | 92.999   | ug/l       | 99       |
| 25) 2-Butanone              | 7.208     | 43    | 14117    | 21.962   | ug/l       | 95       |
| 51) 4-Methyl-2-Pentanone    | 10.226    | 43    | 12375    | 7.999    | ug/l       | 98       |
| 59) 2-Hexanone              | 10.973    | 43    | 10988    | 10.413   | ug/l       | 92       |
| -----                       |           |       |          |          |            |          |

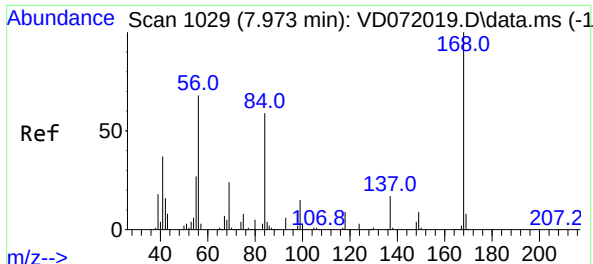
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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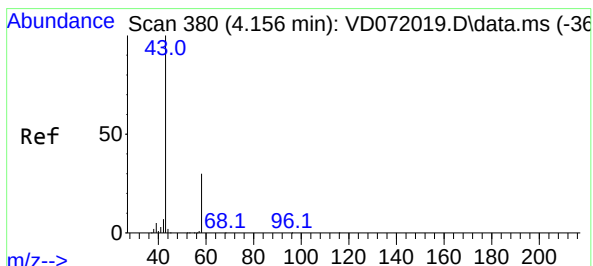
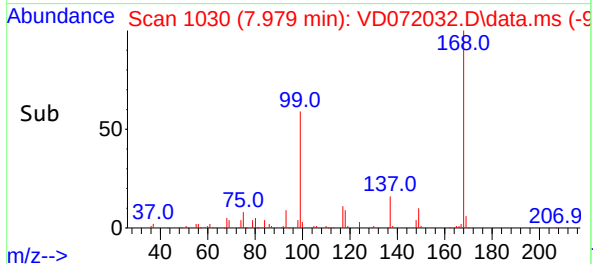
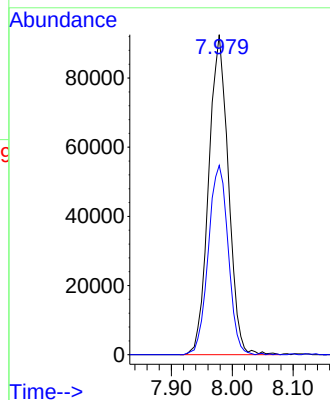
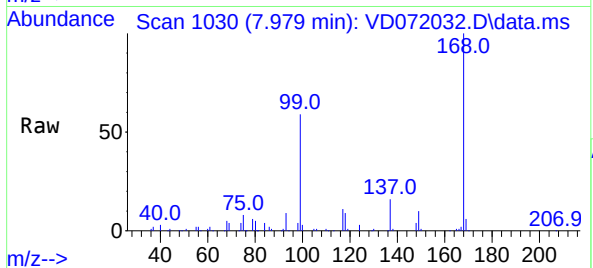




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1029  
Delta R.T. 0.006 min  
Lab File: VD072032.D  
Acq: 21 Feb 2022 15:04

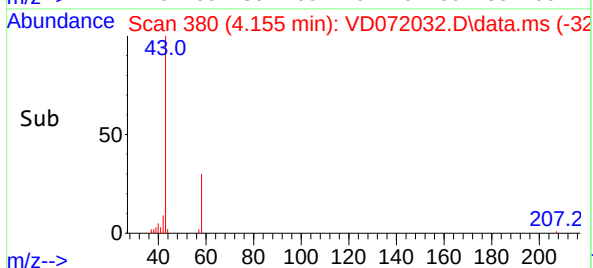
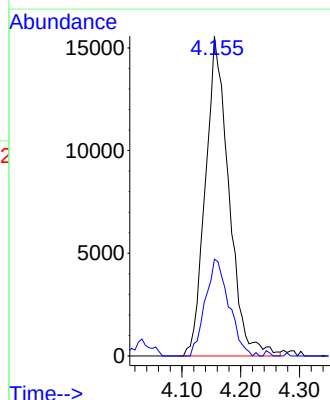
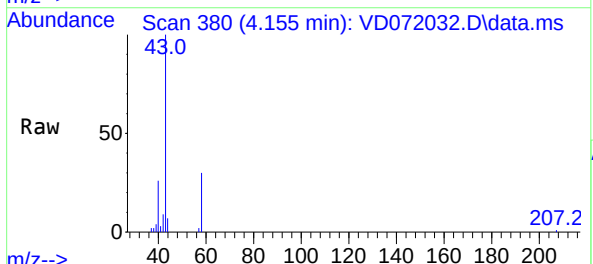
Instrument :  
MSVOA\_D  
ClientSampleId :  
CC-A2

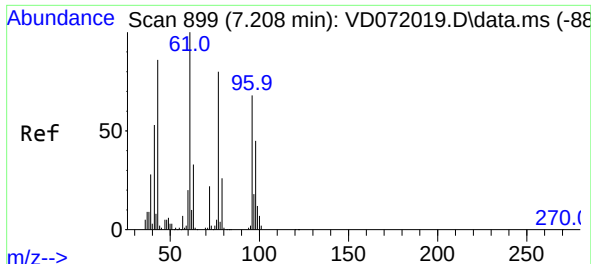
Tgt Ion:168 Resp: 207460  
Ion Ratio Lower Upper  
168 100  
99 59.1 47.1 70.7



#16  
Acetone  
Concen: 92.999 ug/l  
RT: 4.155 min Scan# 380  
Delta R.T. -0.001 min  
Lab File: VD072032.D  
Acq: 21 Feb 2022 15:04

Tgt Ion: 43 Resp: 43252  
Ion Ratio Lower Upper  
43 100  
58 30.2 23.8 35.6

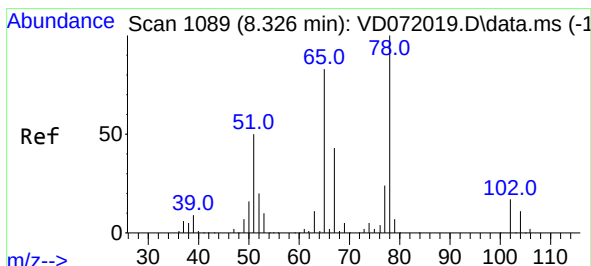
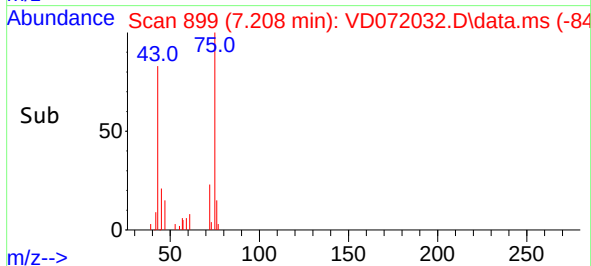
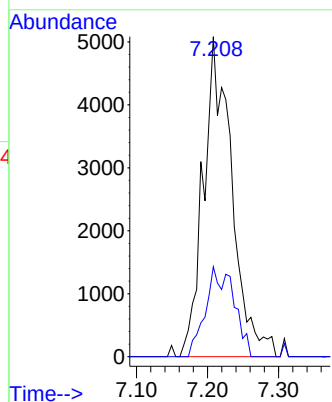
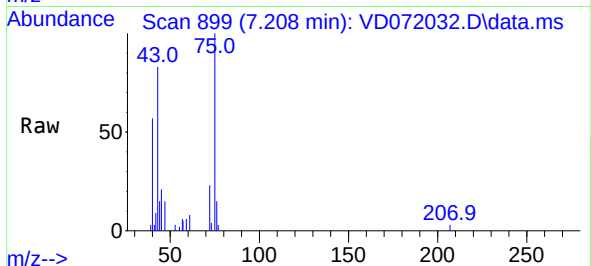




#25  
2-Butanone  
Concen: 21.962 ug/l  
RT: 7.208 min Scan# 899  
Delta R.T. -0.000 min  
Lab File: VD072032.D  
Acq: 21 Feb 2022 15:04

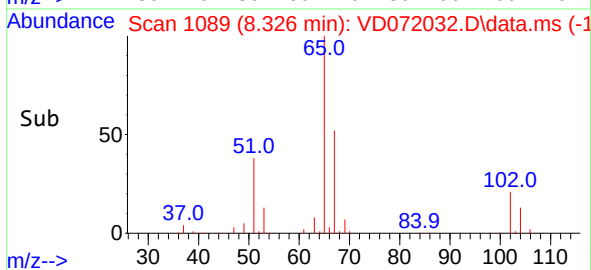
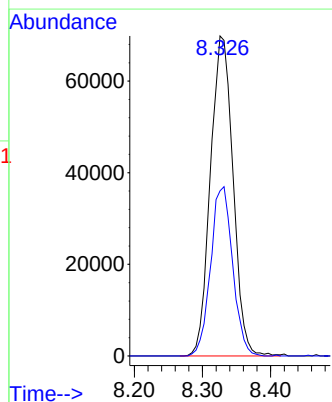
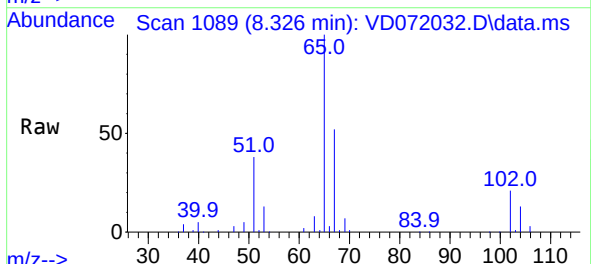
Instrument :  
MSVOA\_D  
ClientSampleId :  
CC-A2

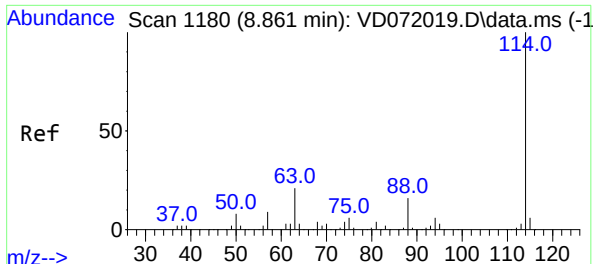
Tgt Ion: 43 Resp: 14117  
Ion Ratio Lower Upper  
43 100  
72 28.1 20.3 30.5



#33  
1,2-Dichloroethane-d4  
Concen: 75.086 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD072032.D  
Acq: 21 Feb 2022 15:04

Tgt Ion: 65 Resp: 161583  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072032.D

Acq: 21 Feb 2022 15:04

Instrument :

MSVOA\_D

ClientSampleId :

CC-A2

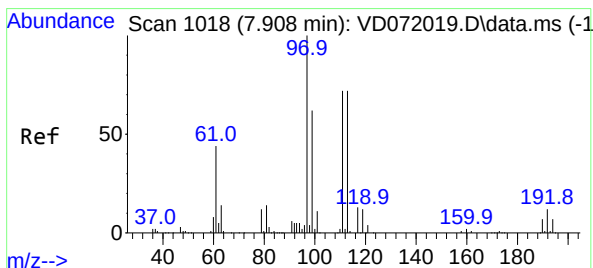
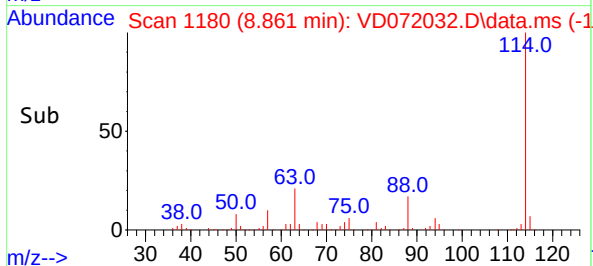
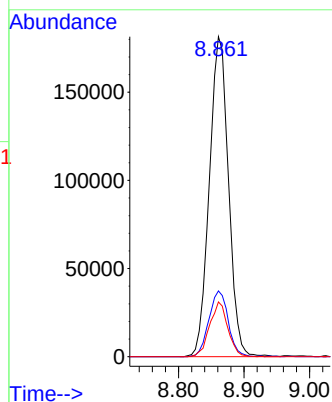
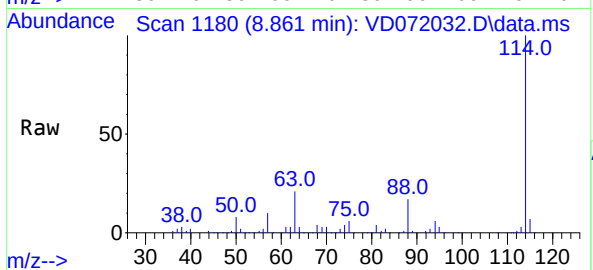
Tgt Ion:114 Resp: 368329

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.2

88 17.1 0.0 31.2



#35

Dibromofluoromethane

Concen: 40.592 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072032.D

Acq: 21 Feb 2022 15:04

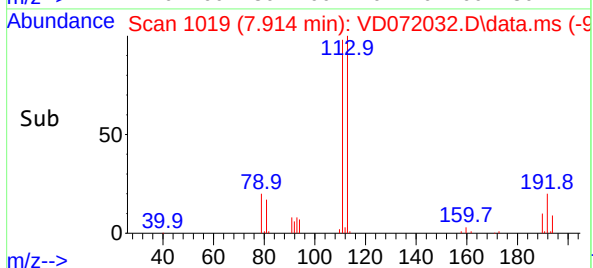
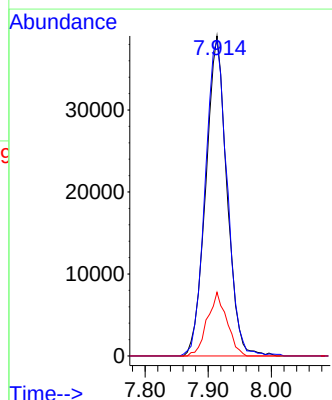
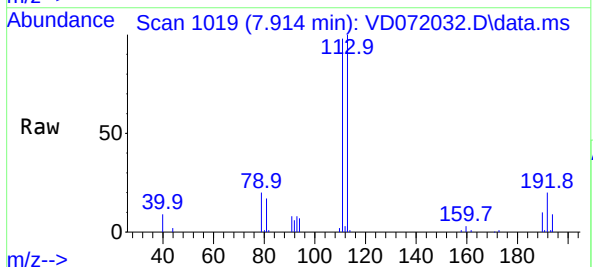
Tgt Ion:113 Resp: 90586

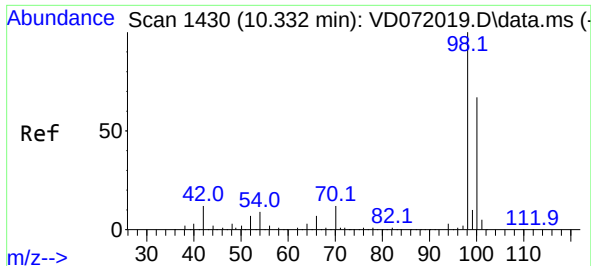
Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.4

192 18.5 15.3 22.9

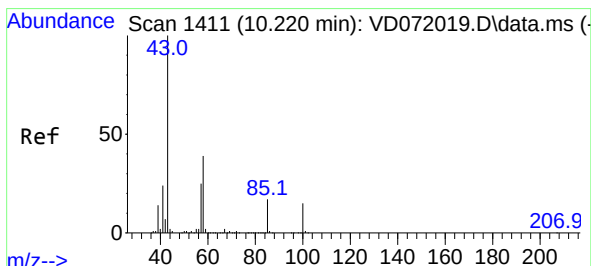
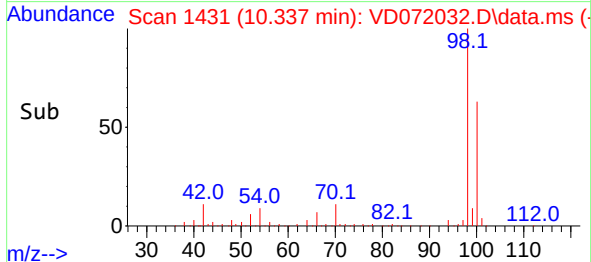
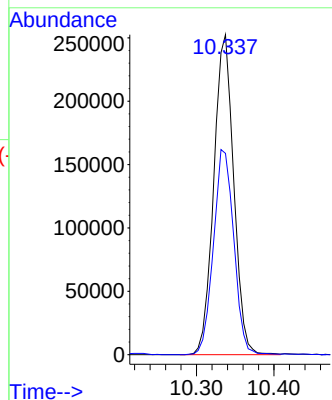
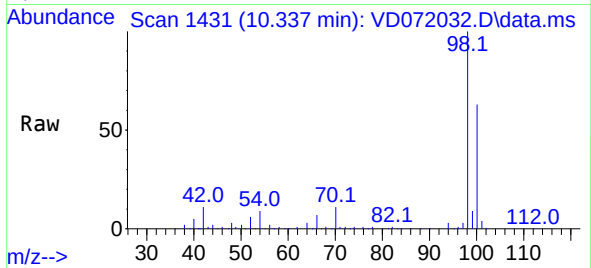




#50  
Toluene-d8  
Concen: 54.540 ug/l  
RT: 10.337 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VD072032.D  
Acq: 21 Feb 2022 15:04

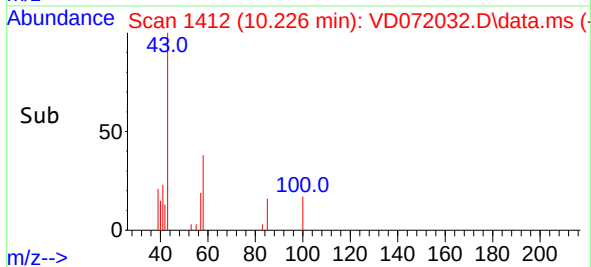
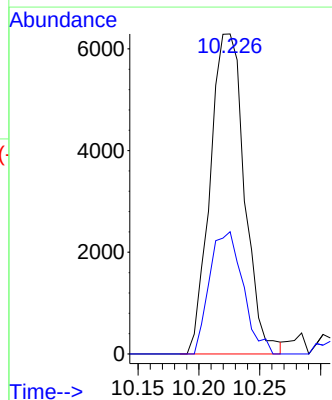
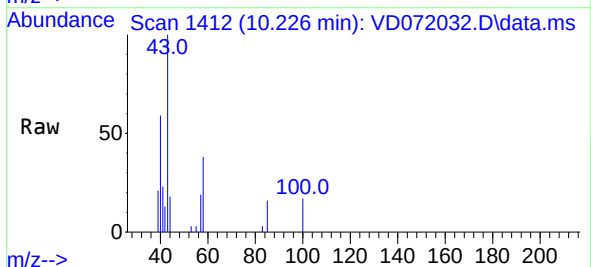
Instrument :  
MSVOA\_D  
ClientSampleId :  
CC-A2

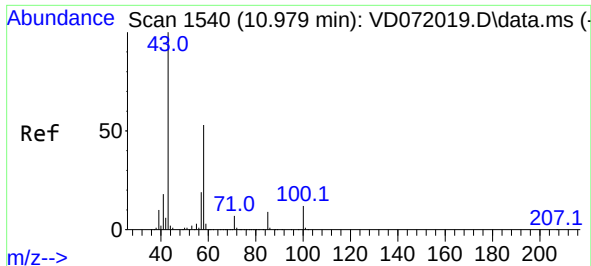
Tgt Ion: 98 Resp: 451358  
Ion Ratio Lower Upper  
98 100  
100 65.5 53.8 80.6



#51  
4-Methyl-2-Pentanone  
Concen: 7.999 ug/l  
RT: 10.226 min Scan# 1412  
Delta R.T. 0.006 min  
Lab File: VD072032.D  
Acq: 21 Feb 2022 15:04

Tgt Ion: 43 Resp: 12375  
Ion Ratio Lower Upper  
43 100  
58 37.1 30.8 46.2

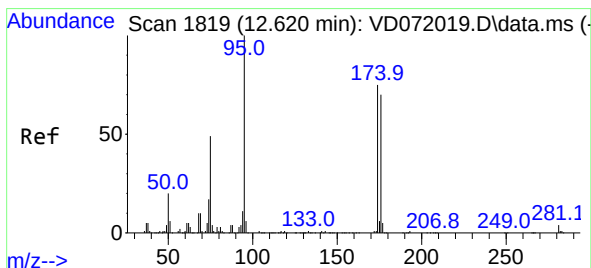
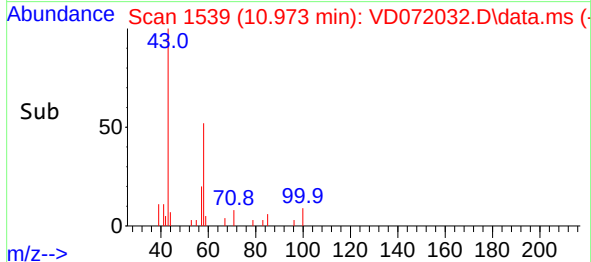
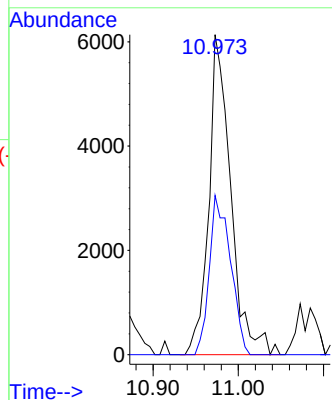
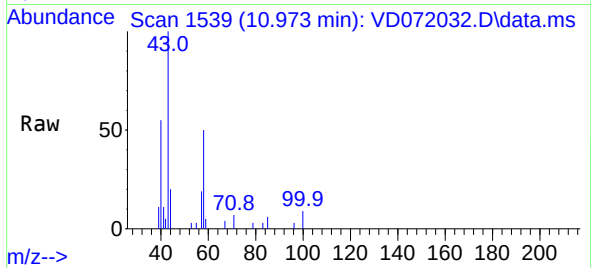




#59  
2-Hexanone  
Concen: 10.413 ug/l  
RT: 10.973 min Scan# 1539  
Delta R.T. -0.006 min  
Lab File: VD072032.D  
Acq: 21 Feb 2022 15:04

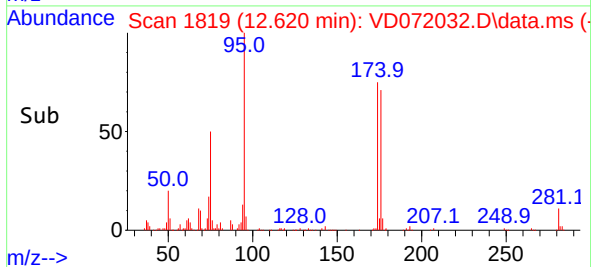
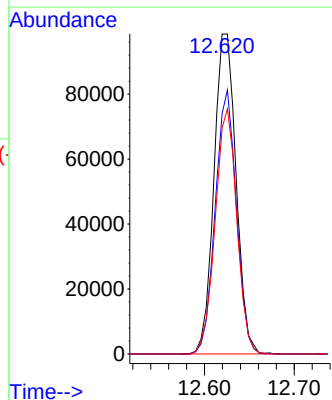
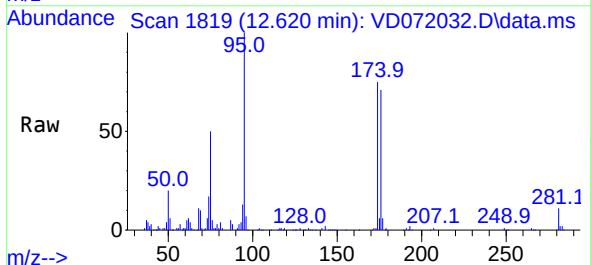
Instrument :  
MSVOA\_D  
ClientSampleId :  
CC-A2

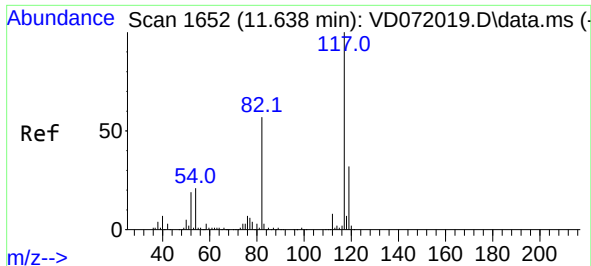
Tgt Ion: 43 Resp: 10988  
Ion Ratio Lower Upper  
43 100  
58 47.9 27.0 80.8



#62  
4-Bromofluorobenzene  
Concen: 55.443 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD072032.D  
Acq: 21 Feb 2022 15:04

Tgt Ion: 95 Resp: 168540  
Ion Ratio Lower Upper  
95 100  
174 79.0 0.0 155.0  
176 74.6 0.0 148.8

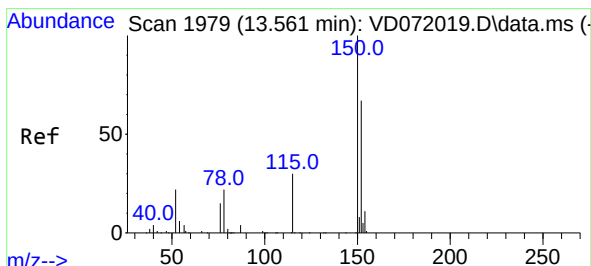
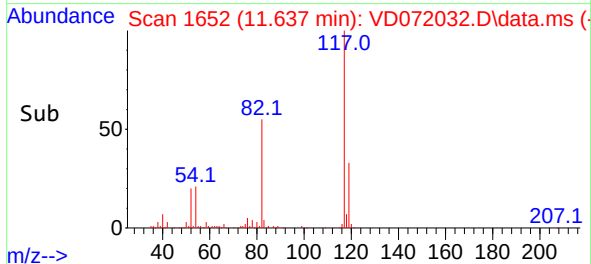
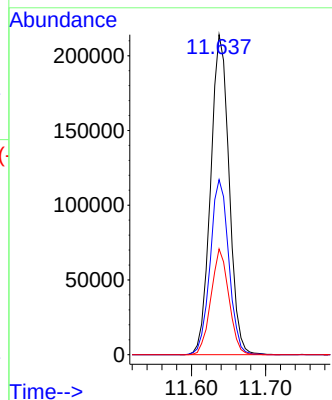
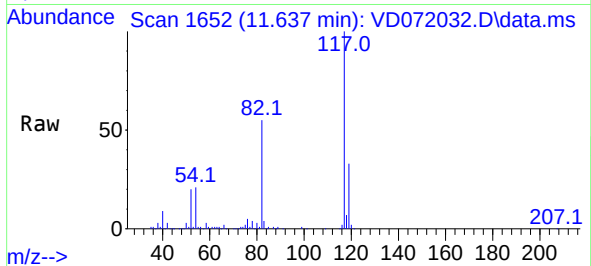




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VD072032.D  
Acq: 21 Feb 2022 15:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
CC-A2

Tgt Ion:117 Resp: 369645  
Ion Ratio Lower Upper  
117 100  
82 54.7 45.4 68.0  
119 33.1 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.006 min  
Lab File: VD072032.D  
Acq: 21 Feb 2022 15:04

Tgt Ion:152 Resp: 165257  
Ion Ratio Lower Upper  
152 100  
115 59.1 29.9 89.7  
150 154.8 0.0 347.6

