

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051822\  
 Data File : VD073105.D  
 Acq On : 18 May 2022 18:10  
 Operator : VA/SY  
 Sample : N2832-06  
 Misc : 5.04G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB07

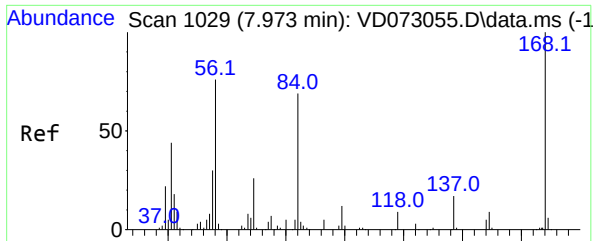
Quant Time: May 19 04:46:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051722S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 18 04:58:34 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.973  | 168   | 304159   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114   | 546442   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.632 | 117   | 562270   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561 | 152   | 258777   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 173445   | 45.599   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 91.200%  |
| 35) Dibromofluoromethane      | 7.908  | 113   | 184440   | 48.073   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 96.140%  |
| 50) Toluene-d8                | 10.332 | 98    | 673411   | 48.382   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | =      | 96.760%  |
| 62) 4-Bromofluorobenzene      | 12.620 | 95    | 236942   | 47.001   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | =      | 94.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 10) Methyl Iodide             | 4.303  | 142   | 239      | 4.328    | ug/l # | 68       |
| 11) Tert butyl alcohol        | 5.179  | 59    | 7943     | 13.501   | ug/l # | 74       |
| 16) Acetone                   | 4.156  | 43    | 4285     | 6.225    | ug/l # | 85       |
| 18) Methyl Acetate            | 4.526  | 43    | 57       | 1.486    | ug/l # | 55       |
| 20) Methylene Chloride        | 4.961  | 84    | 25343    | 5.073    | ug/l   | 90       |
| 36) 1,1-Dichloropropene       | 7.967  | 75    | 26650    | 4.263    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.979  | 117   | 33774    | 5.281    | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.620 | 75    | 122798   | 41.978   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620 | 75    | 122798   | 100.653  | ug/l # | 7        |
| -----                         |        |       |          |          |        |          |

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

Quant Time: May 19 04:46:30 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051722S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 18 04:58:34 2022  
Response via : Initial Calibration

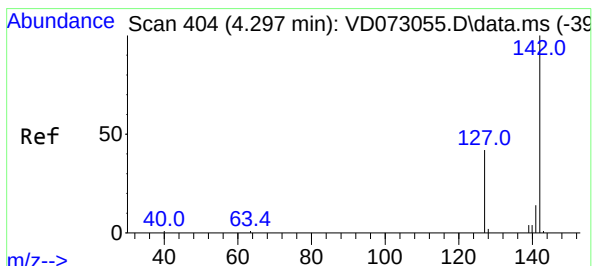
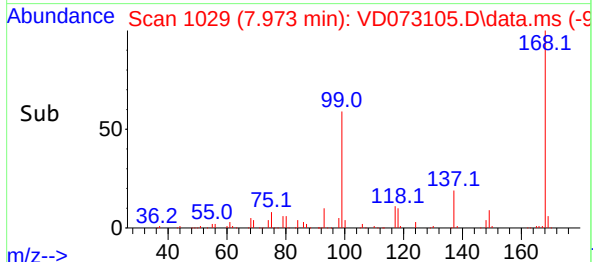
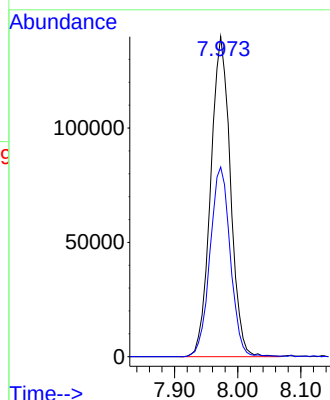
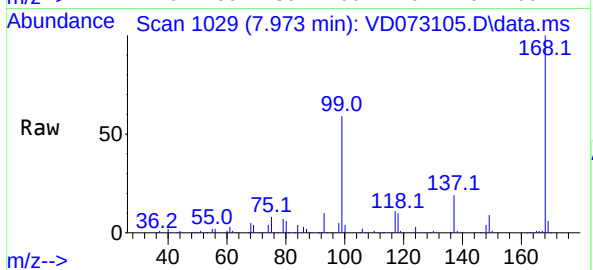




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073105.D  
Acq: 18 May 2022 18:10

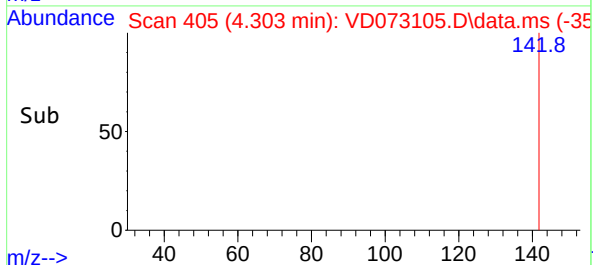
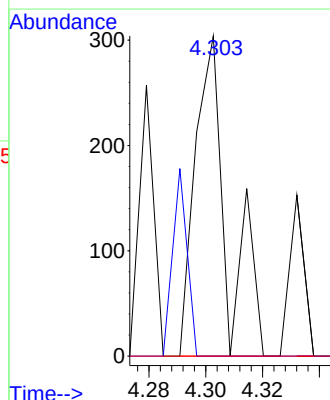
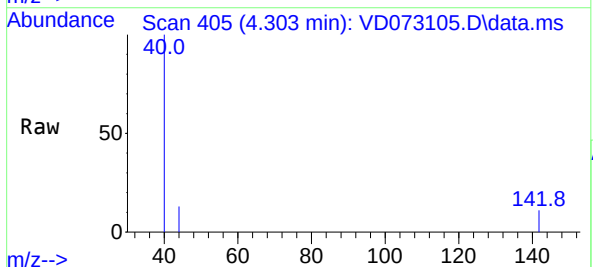
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB07

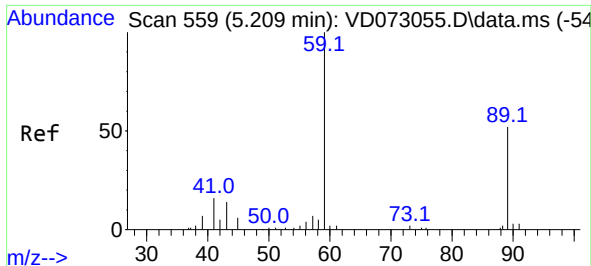
Tgt Ion:168 Resp: 304159  
Ion Ratio Lower Upper  
168 100  
99 59.3 49.8 74.6



#10  
Methyl Iodide  
Concen: 4.328 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. 0.006 min  
Lab File: VD073105.D  
Acq: 18 May 2022 18:10

Tgt Ion:142 Resp: 239  
Ion Ratio Lower Upper  
142 100  
127 26.4 37.3 55.9#  
141 0.0 11.7 17.5#

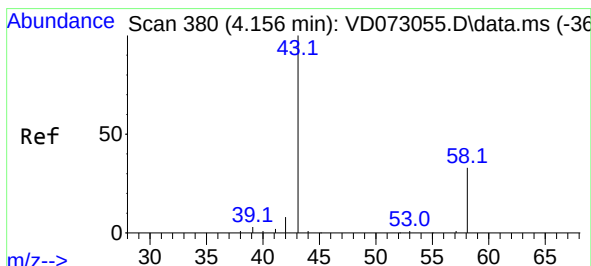
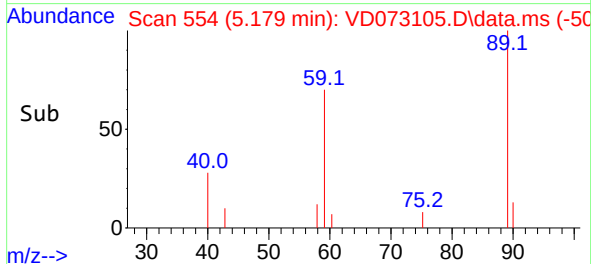
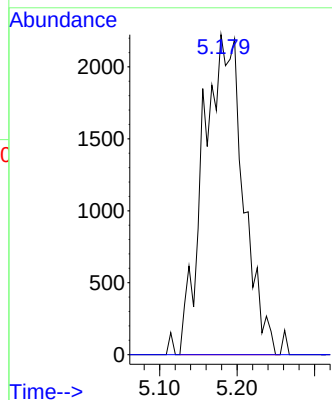
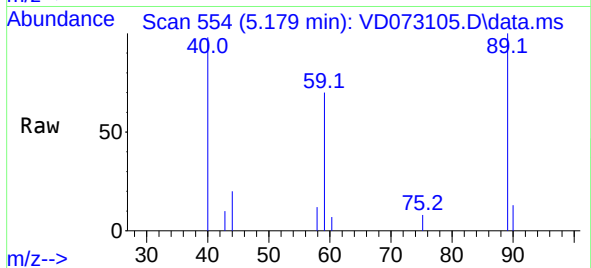




#11  
Tert butyl alcohol  
Concen: 13.501 ug/l  
RT: 5.179 min Scan# 51  
Delta R.T. -0.030 min  
Lab File: VD073105.D  
Acq: 18 May 2022 18:10

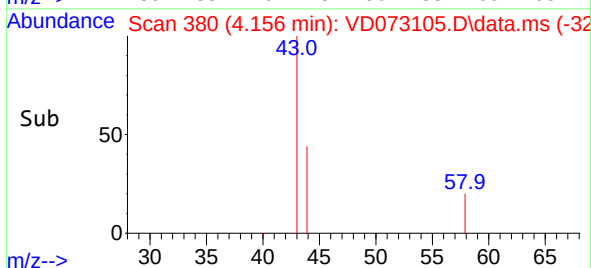
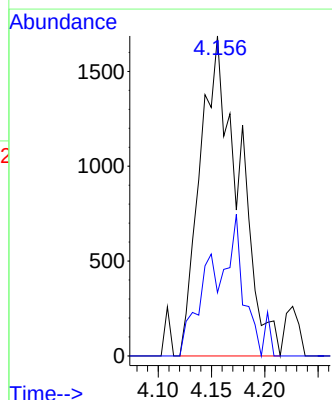
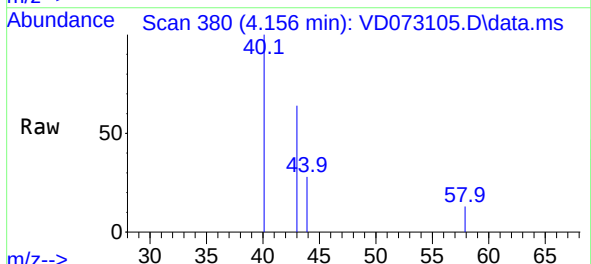
Instrument :  
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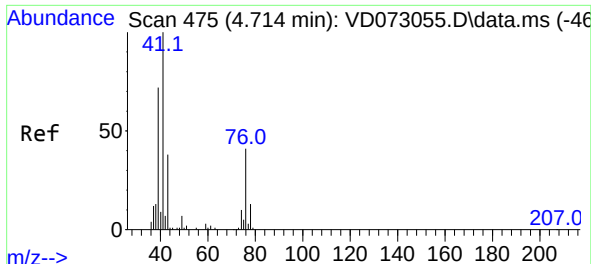
Tgt Ion: 59 Resp: 7943  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#



#16  
Acetone  
Concen: 6.225 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VD073105.D  
Acq: 18 May 2022 18:10

Tgt Ion: 43 Resp: 4285  
Ion Ratio Lower Upper  
43 100  
58 19.8 22.1 33.1#





#18

Methyl Acetate

Concen: 1.486 ug/l

RT: 4.526 min Scan# 443

Delta R.T. -0.188 min

Lab File: VD073105.D

Acq: 18 May 2022 18:10

Instrument :

MSVOA\_D

ClientSampleId :

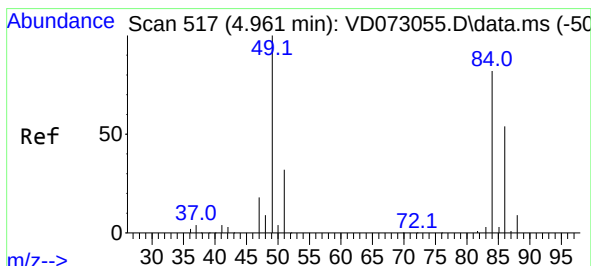
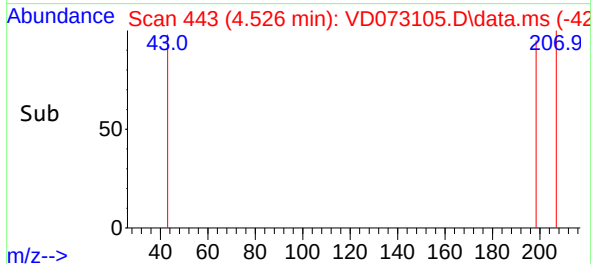
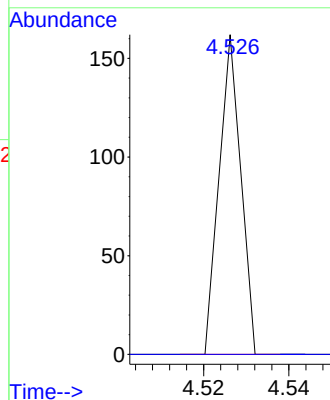
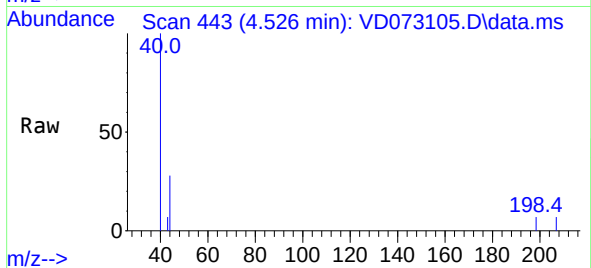
SB07

Tgt Ion: 43 Resp: 57

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: 5.073 ug/l

RT: 4.961 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD073105.D

Acq: 18 May 2022 18:10

Tgt Ion: 84 Resp: 25343

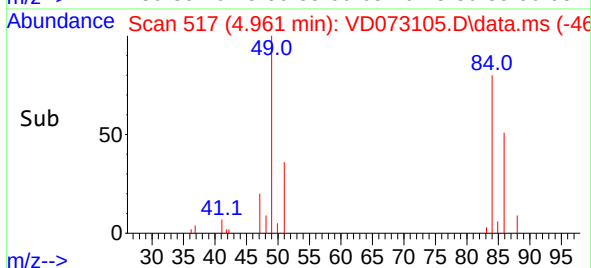
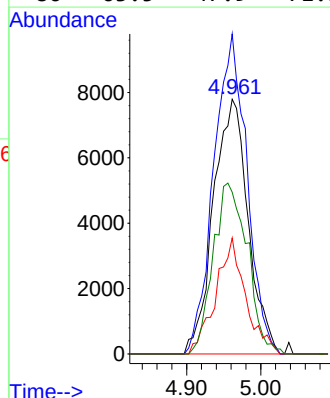
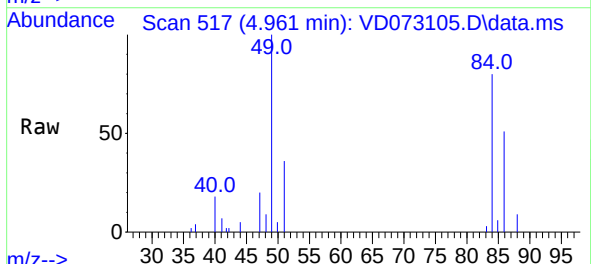
Ion Ratio Lower Upper

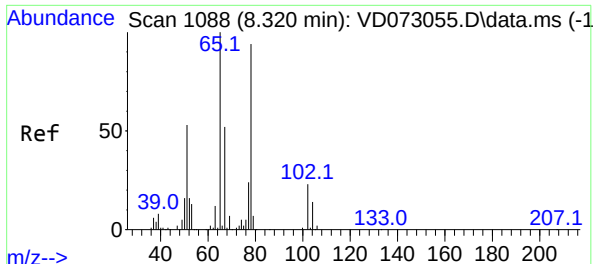
84 100

49 125.6 112.8 169.2

51 45.5 32.6 48.8

86 63.5 47.9 71.9

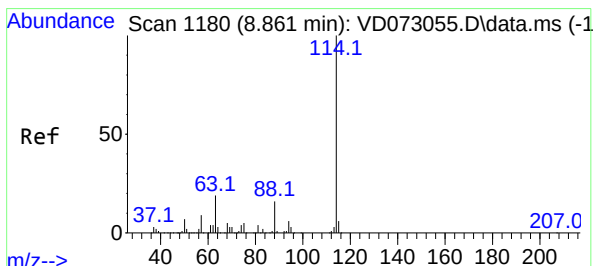
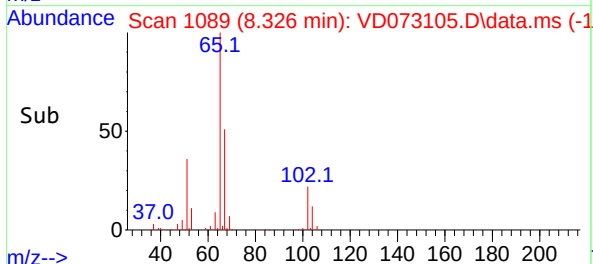
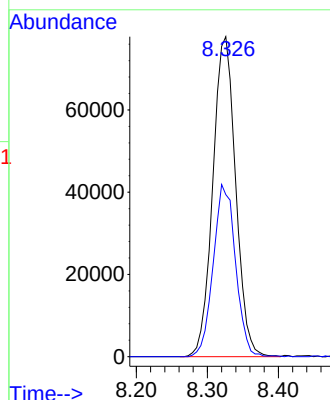
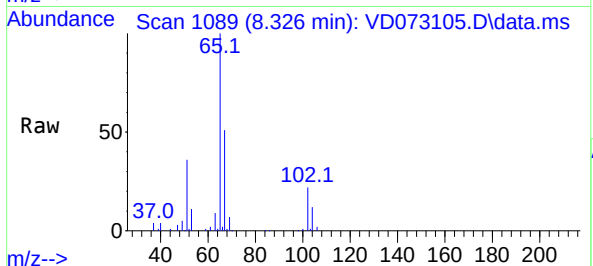




#33  
1,2-Dichloroethane-d4  
Concen: 45.599 ug/l  
RT: 8.326 min Scan# 1088  
Delta R.T. 0.006 min  
Lab File: VD073105.D  
Acq: 18 May 2022 18:10

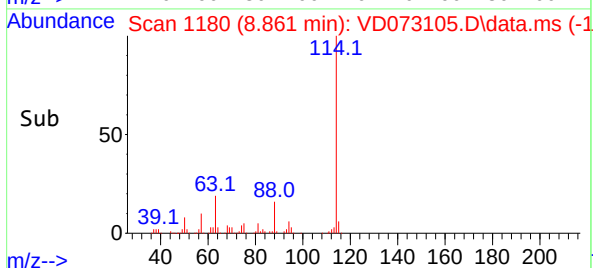
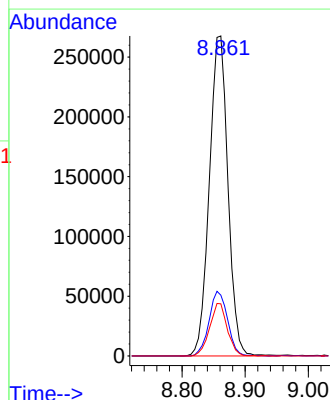
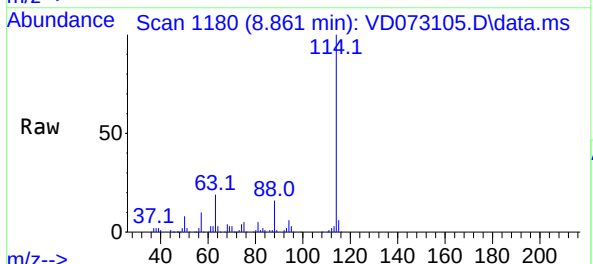
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB07

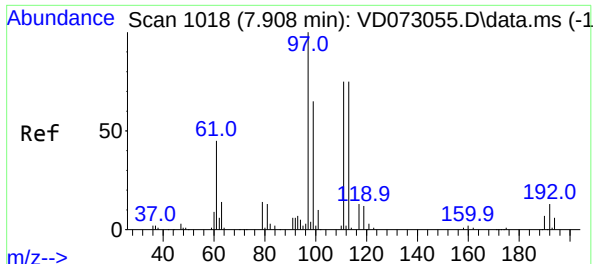
Tgt Ion: 65 Resp: 173445  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 101.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD073105.D  
Acq: 18 May 2022 18:10

Tgt Ion: 114 Resp: 546442  
Ion Ratio Lower Upper  
114 100  
63 19.0 0.0 46.6  
88 16.3 0.0 33.2

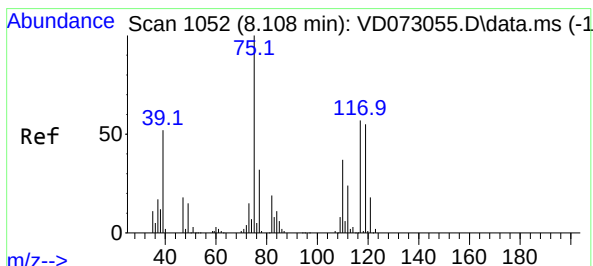
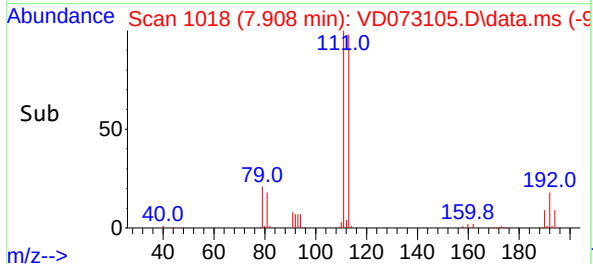
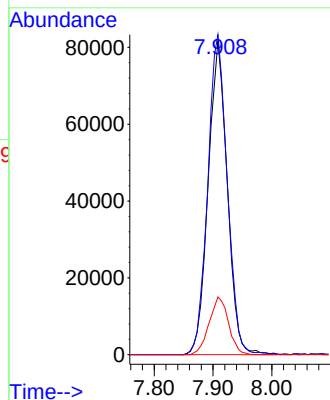
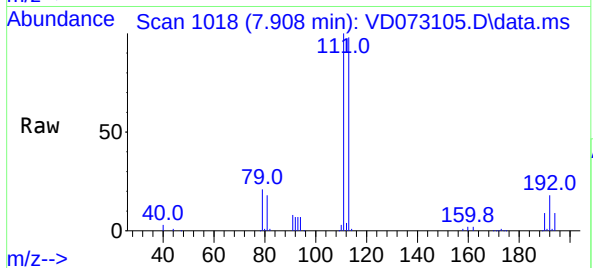




#35  
Dibromofluoromethane  
Concen: 48.073 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. -0.000 min  
Lab File: VD073105.D  
Acq: 18 May 2022 18:10

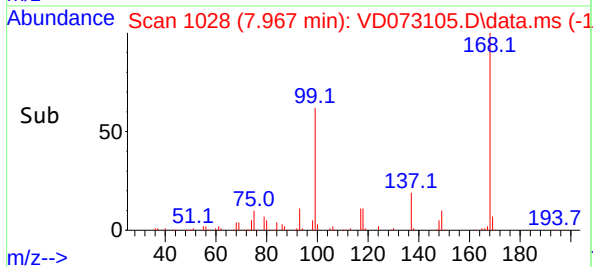
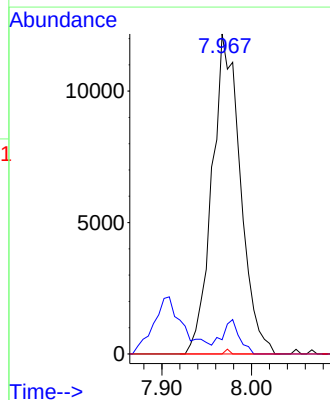
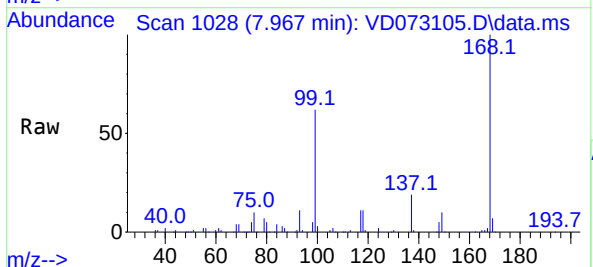
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB07

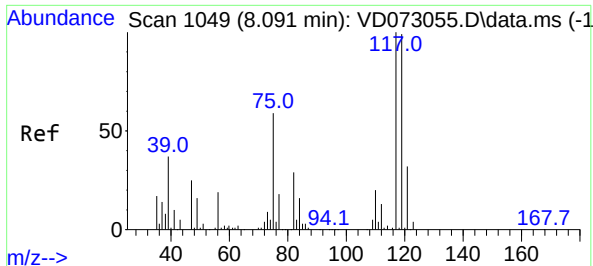
Tgt Ion:113 Resp: 184440  
Ion Ratio Lower Upper  
113 100  
111 104.2 83.8 125.6  
192 18.6 14.6 21.8



#36  
1,1-Dichloropropene  
Concen: 4.263 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.141 min  
Lab File: VD073105.D  
Acq: 18 May 2022 18:10

Tgt Ion: 75 Resp: 26650  
Ion Ratio Lower Upper  
75 100  
110 6.6 16.4 49.1#  
77 0.2 24.2 36.2#

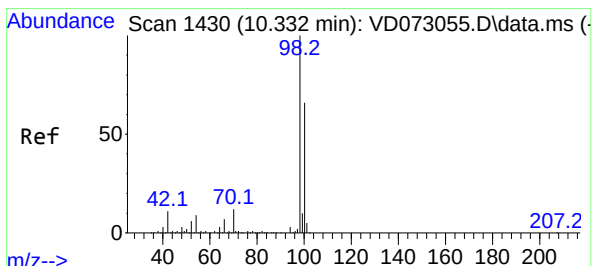
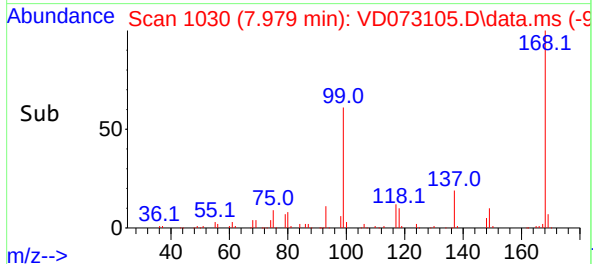
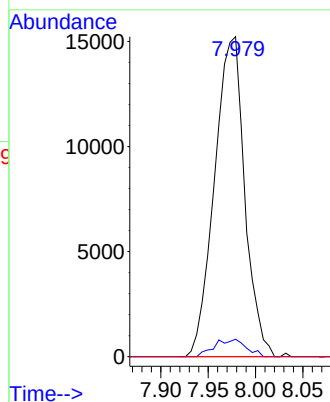
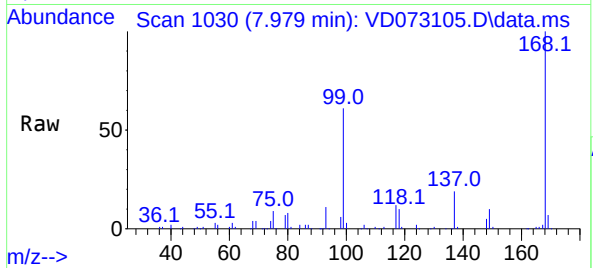




#38  
Carbon Tetrachloride  
Concen: 5.281 ug/l  
RT: 7.979 min Scan# 1049  
Delta R.T. -0.112 min  
Lab File: VD073105.D  
Acq: 18 May 2022 18:10

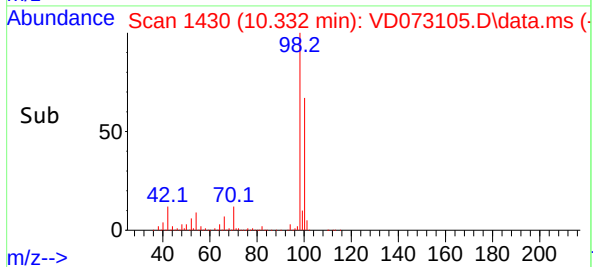
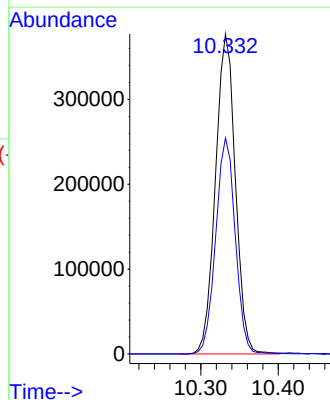
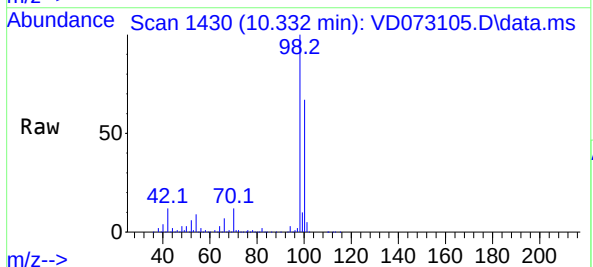
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB07

Tgt Ion:117 Resp: 33774  
Ion Ratio Lower Upper  
117 100  
119 5.4 75.8 113.6#  
121 0.0 24.5 36.7#

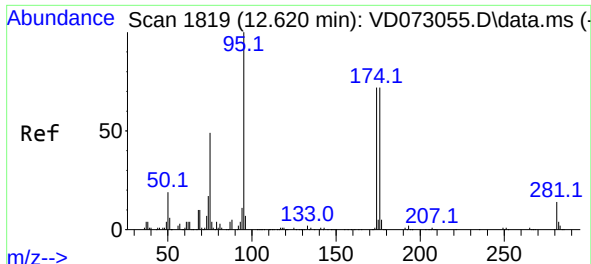


#50  
Toluene-d8  
Concen: 48.382 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073105.D  
Acq: 18 May 2022 18:10

Tgt Ion: 98 Resp: 673411  
Ion Ratio Lower Upper  
98 100  
100 66.4 52.4 78.6



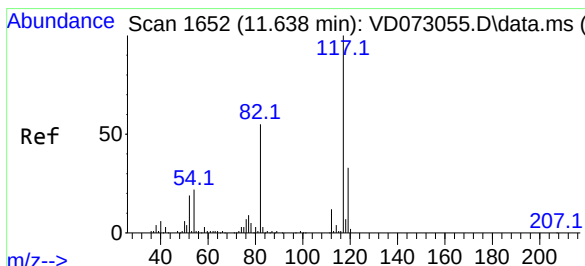
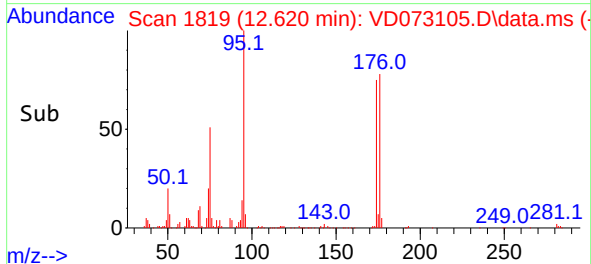
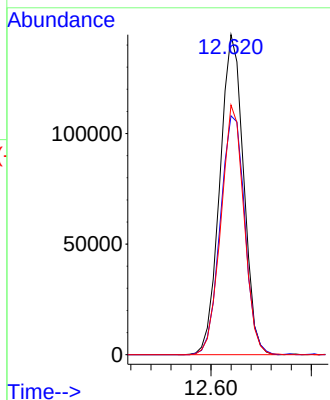
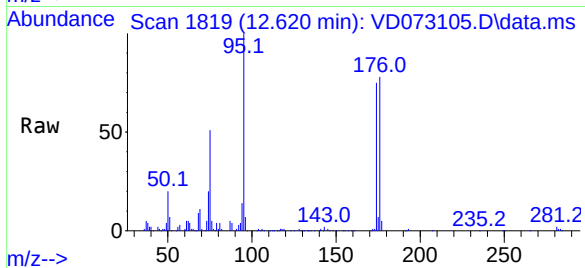




#62  
4-Bromofluorobenzene  
Concen: 47.001 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073105.D  
Acq: 18 May 2022 18:10

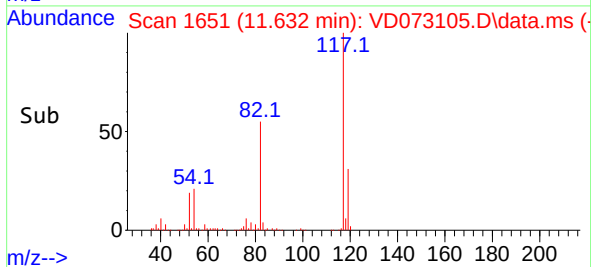
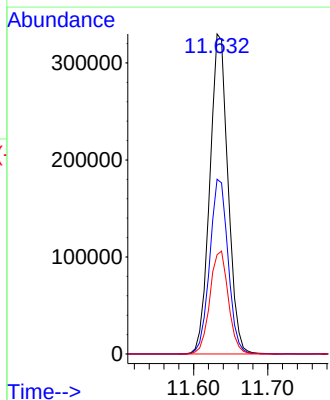
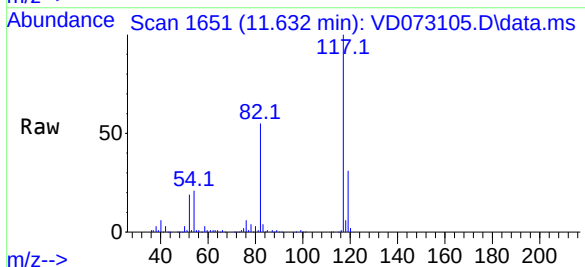
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB07

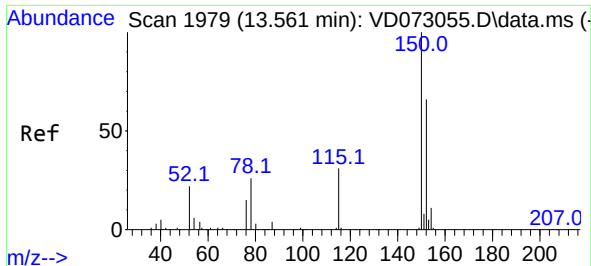
Tgt Ion: 95 Resp: 236942  
Ion Ratio Lower Upper  
95 100  
174 77.3 0.0 152.8  
176 75.8 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 1651  
Delta R.T. -0.006 min  
Lab File: VD073105.D  
Acq: 18 May 2022 18:10

Tgt Ion: 117 Resp: 562270  
Ion Ratio Lower Upper  
117 100  
82 54.6 45.3 67.9  
119 31.0 26.6 40.0

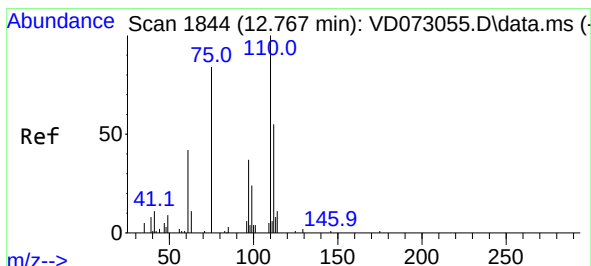
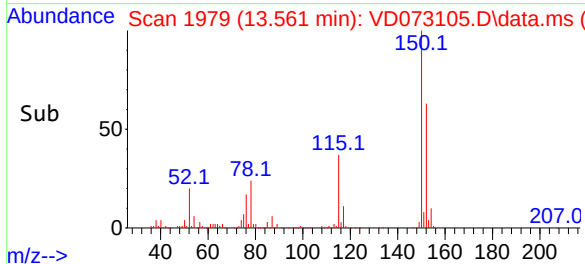
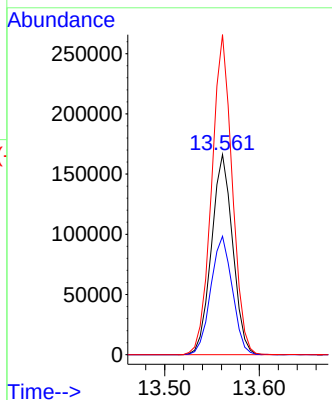
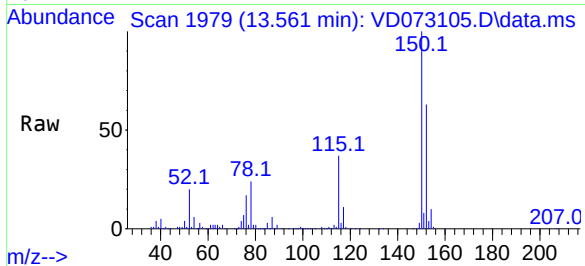




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1819  
 Delta R.T. -0.000 min  
 Lab File: VD073105.D  
 Acq: 18 May 2022 18:10

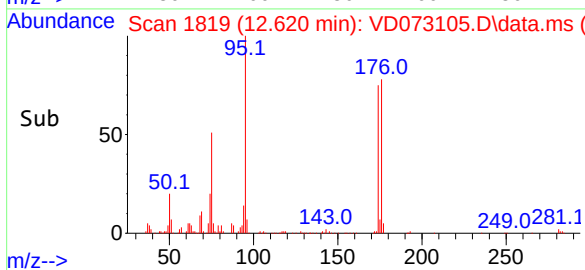
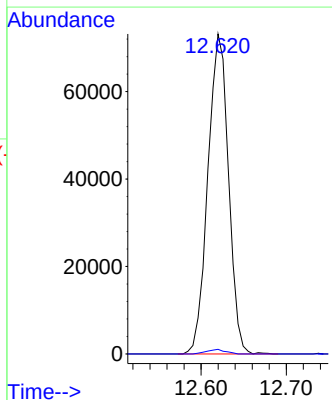
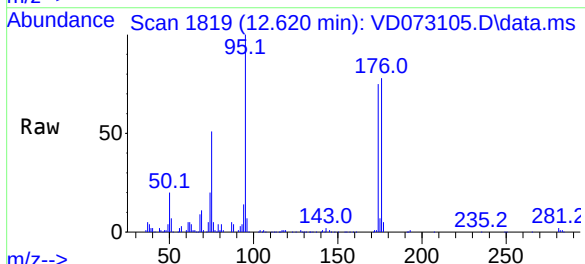
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB07

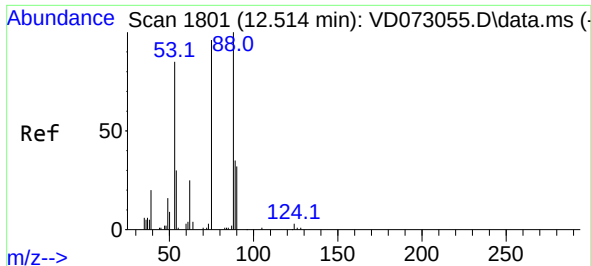
Tgt Ion:152 Resp: 258777  
 Ion Ratio Lower Upper  
 152 100  
 115 59.9 31.3 93.8  
 150 154.7 0.0 348.6



#76  
 1,2,3-Trichloropropane  
 Concen: 41.978 ug/l  
 RT: 12.620 min Scan# 1819  
 Delta R.T. -0.147 min  
 Lab File: VD073105.D  
 Acq: 18 May 2022 18:10

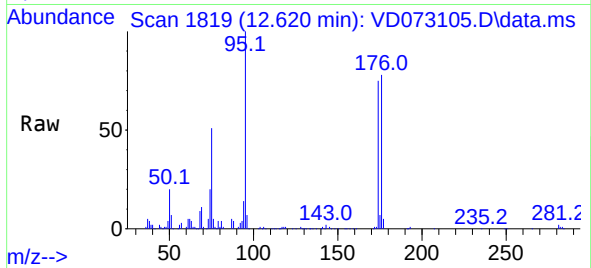
Tgt Ion: 75 Resp: 122798  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 100.653 ug/l  
 RT: 12.620 min Scan# 1819  
 Delta R.T. 0.106 min  
 Lab File: VD073105.D  
 Acq: 18 May 2022 18:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB07



Tgt Ion: 75 Resp: 122798  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 86.5 129.7#  
 89 0.0 33.9 50.9#

