

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020122\  
 Data File : VD071865.D  
 Acq On : 01 Feb 2022 11:55  
 Operator : VA/SY  
 Sample : N1340-01  
 Misc : 6.83G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-1(0.5-1)

Quant Time: Feb 02 07:05:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D012622S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 27 06:04:38 2022  
 Response via : Initial Calibration

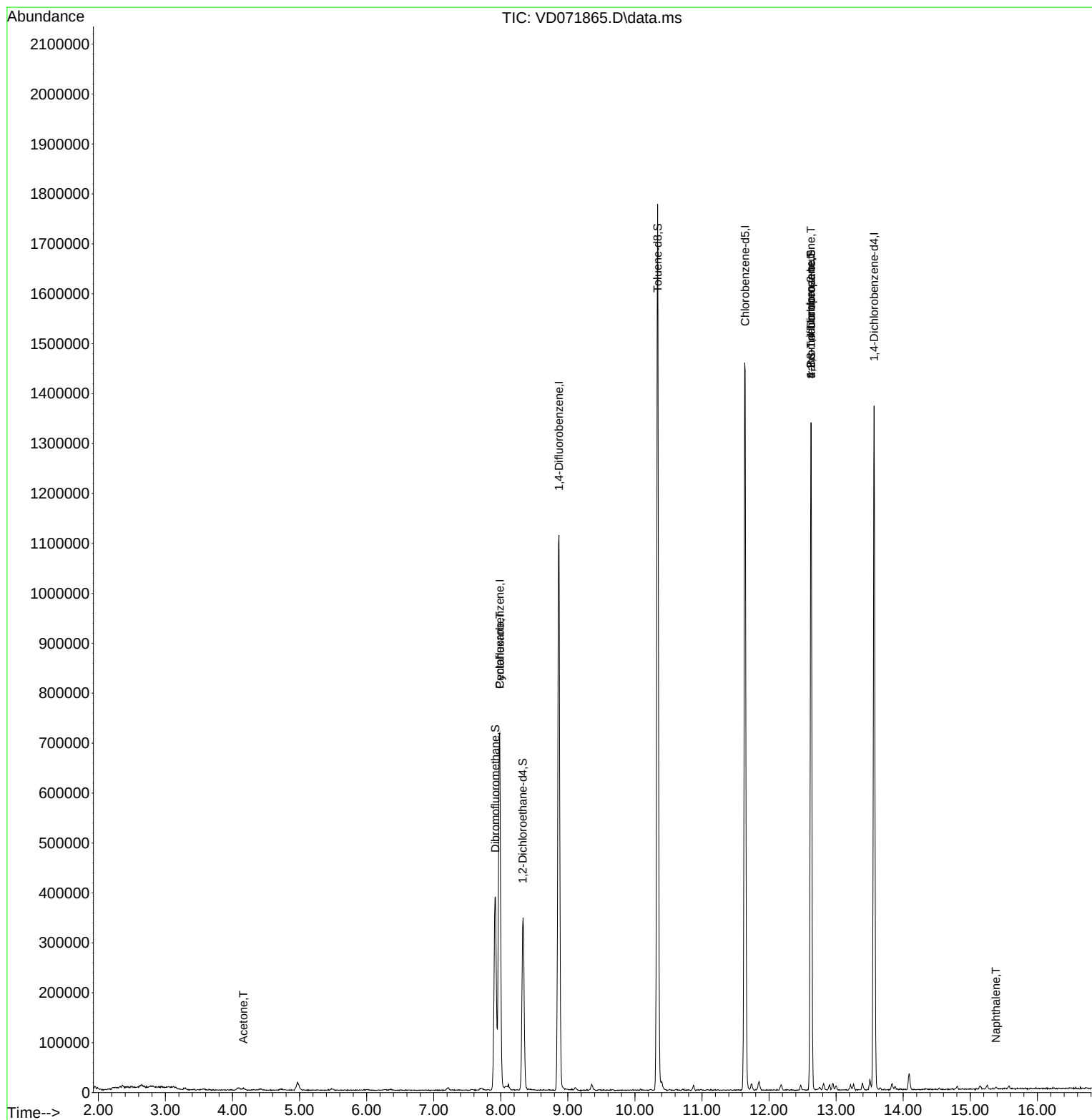
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.985  | 168   | 495766   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.867  | 114   | 890663   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.643 | 117   | 796807   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567 | 152   | 331934   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 281236   | 44.881    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 89.760%  |
| 35) Dibromofluoromethane      | 7.920  | 113   | 278071   | 47.496    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 95.000%  |
| 50) Toluene-d8                | 10.338 | 98    | 1126178  | 51.506    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 103.020% |
| 62) 4-Bromofluorobenzene      | 12.626 | 95    | 353717   | 46.325    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 92.660%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 16) Acetone                   | 4.161  | 43    | 6036     | 3.519     | ug/l # | 87       |
| 20) Methylene Chloride        | 4.973  | 84    | 10169    | Below Cal | #      | 83       |
| 31) Cyclohexane               | 7.985  | 56    | 17464    | 1.460     | ug/l # | 9        |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75    | 199369   | 56.992    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75    | 199369   | 140.131   | ug/l # | 7        |
| 95) Naphthalene               | 15.384 | 128   | 3390     | 1.739     | ug/l # | 78       |
| -----                         |        |       |          |           |        |          |

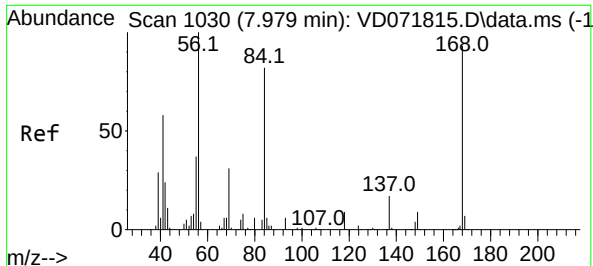
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-1(0.5-1)

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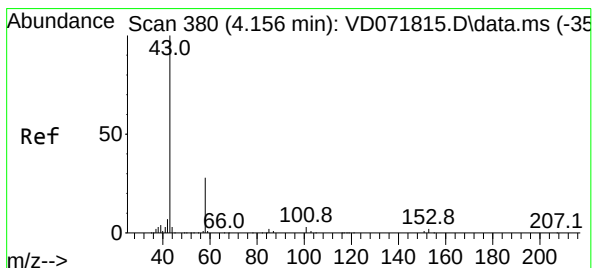
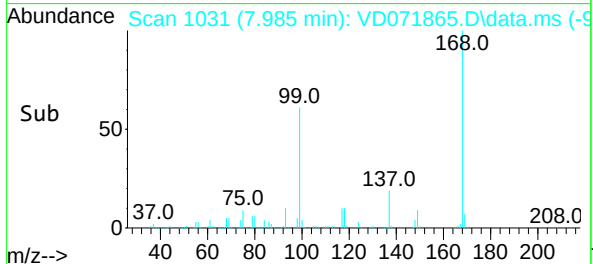
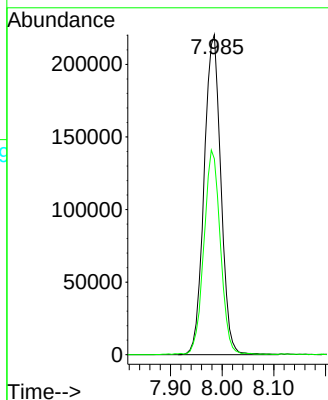
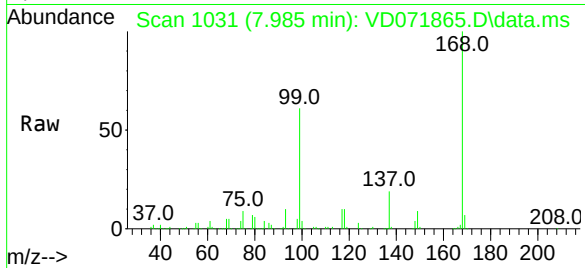




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.985 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VD071865.D  
Acq: 01 Feb 2022 11:55

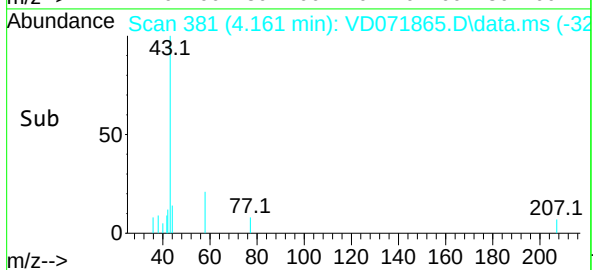
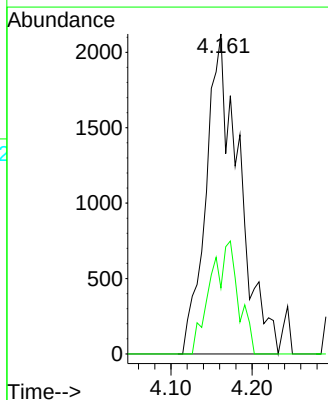
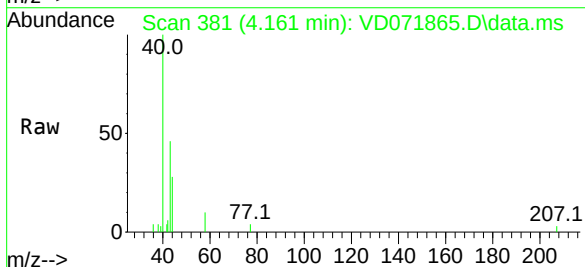
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1(0.5-1)

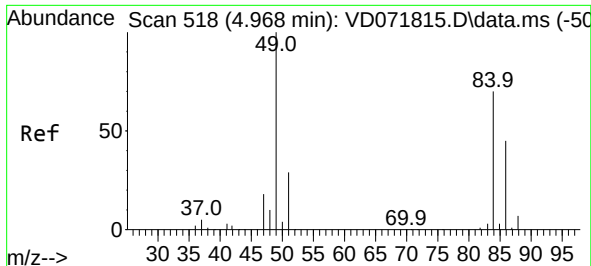
Tgt Ion:168 Resp: 495766  
Ion Ratio Lower Upper  
168 100  
99 61.1 49.8 74.6



#16  
Acetone  
Concen: 3.519 ug/l  
RT: 4.161 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD071865.D  
Acq: 01 Feb 2022 11:55

Tgt Ion: 43 Resp: 6036  
Ion Ratio Lower Upper  
43 100  
58 20.6 22.1 33.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.973 min Scan# 518

Delta R.T. 0.006 min

Lab File: VD071865.D

Acq: 01 Feb 2022 11:55

Instrument :

MSVOA\_D

ClientSampleId :

SB-1(0.5-1)

Tgt Ion: 84 Resp: 10169

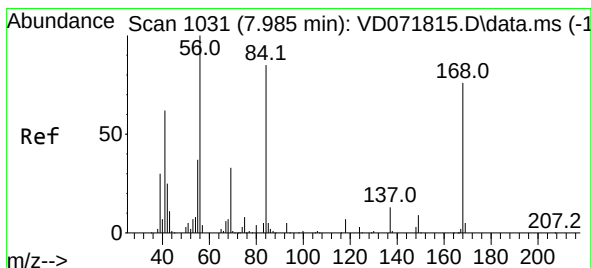
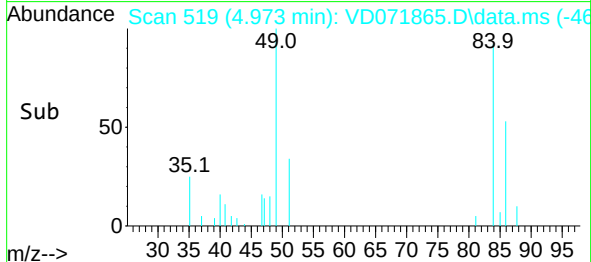
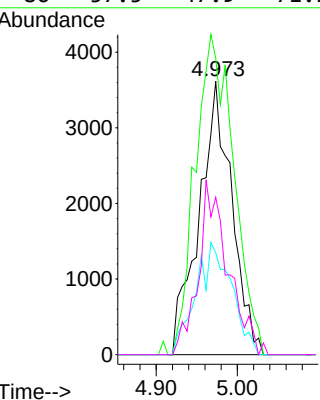
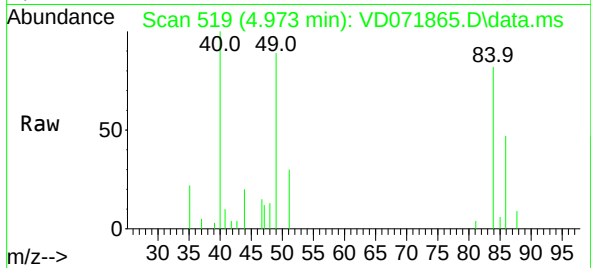
Ion Ratio Lower Upper

84 100

49 108.4 112.8 169.2#

51 37.2 32.6 48.8

86 57.5 47.9 71.9



#31

Cyclohexane

Concen: 1.460 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VD071865.D

Acq: 01 Feb 2022 11:55

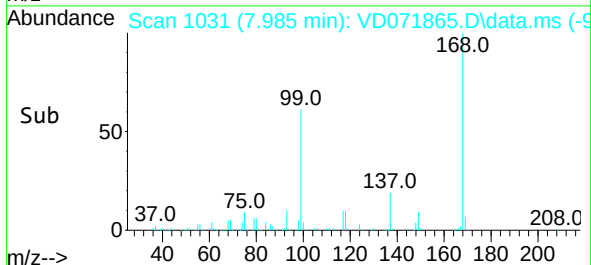
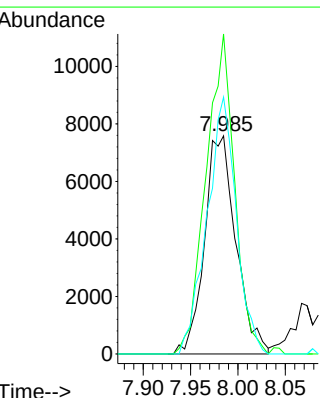
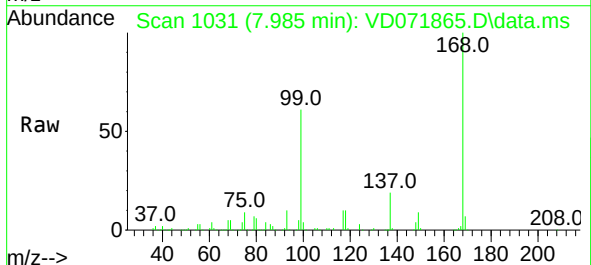
Tgt Ion: 56 Resp: 17464

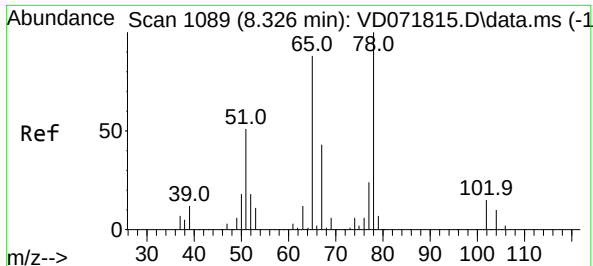
Ion Ratio Lower Upper

56 100

69 146.7 25.4 38.2#

84 117.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 44.881 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD071865.D

Acq: 01 Feb 2022 11:55

Instrument :

MSVOA\_D

ClientSampleId :

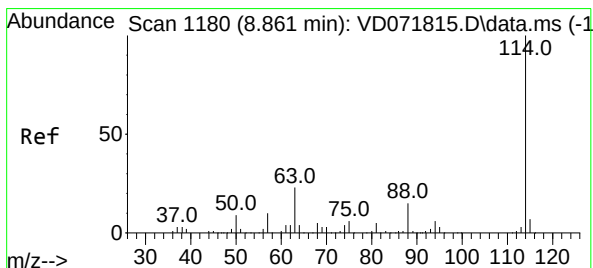
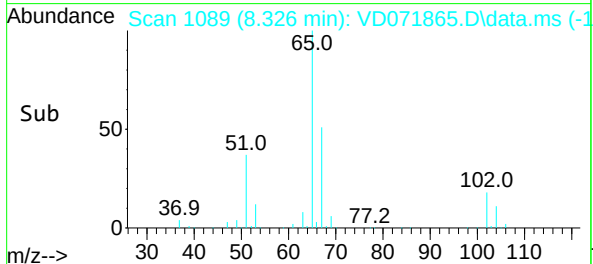
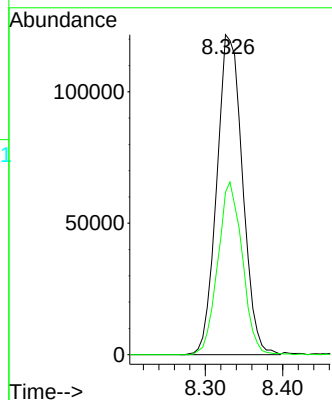
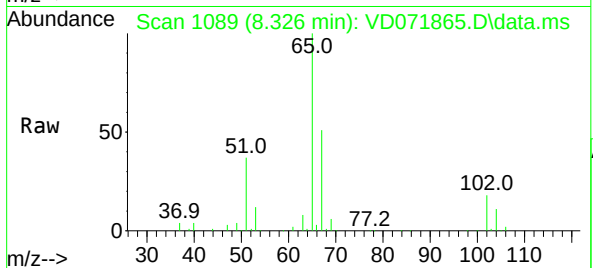
SB-1(0.5-1)

Tgt Ion: 65 Resp: 281236

Ion Ratio Lower Upper

65 100

67 51.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VD071865.D

Acq: 01 Feb 2022 11:55

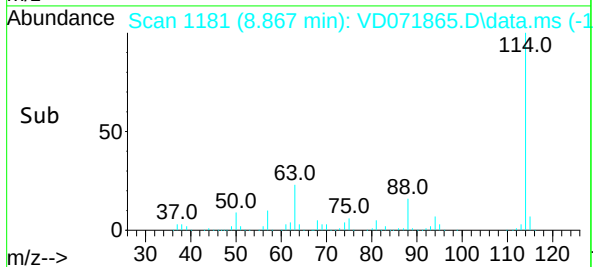
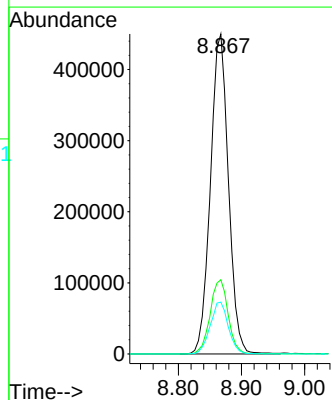
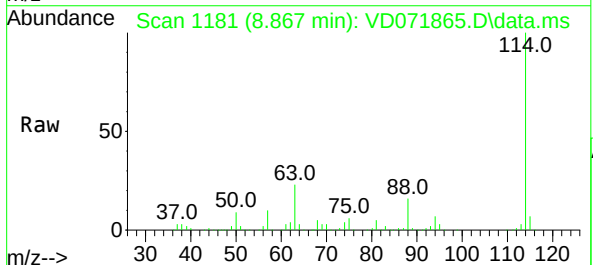
Tgt Ion: 114 Resp: 890663

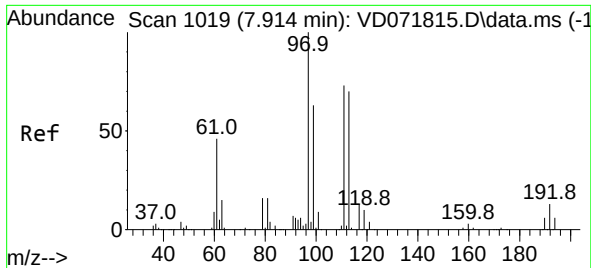
Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.6

88 16.2 0.0 33.2

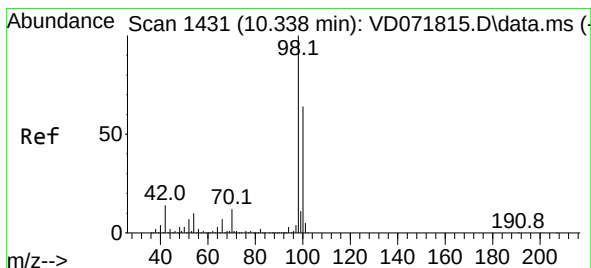
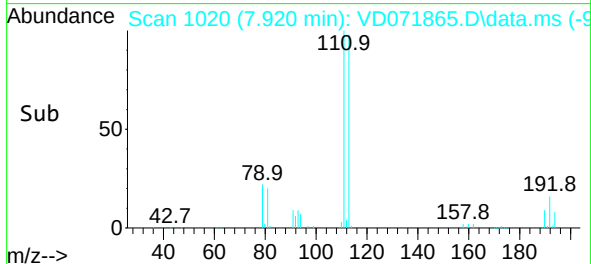
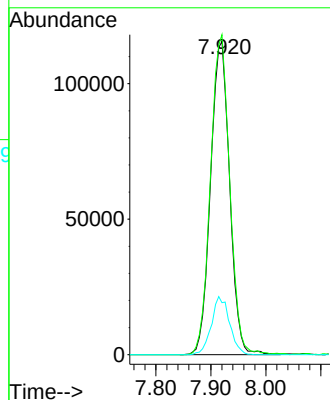
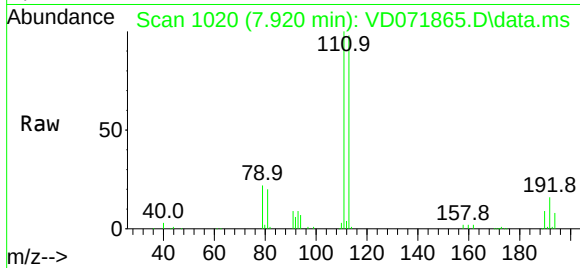




#35  
Dibromofluoromethane  
Concen: 47.496 ug/l  
RT: 7.920 min Scan# 1019  
Delta R.T. 0.006 min  
Lab File: VD071865.D  
Acq: 01 Feb 2022 11:55

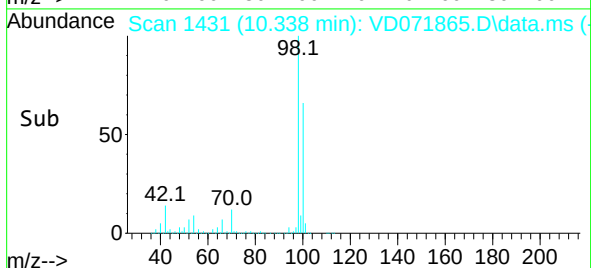
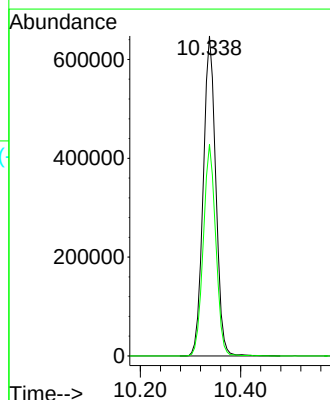
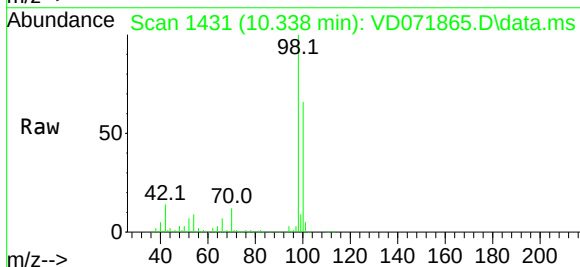
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1(0.5-1)

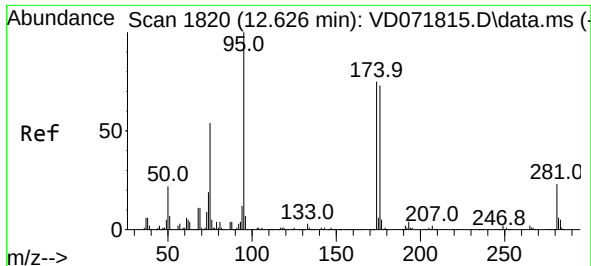
Tgt Ion:113 Resp: 278071  
Ion Ratio Lower Upper  
113 100  
111 103.3 83.8 125.6  
192 17.7 14.6 21.8



#50  
Toluene-d8  
Concen: 51.506 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD071865.D  
Acq: 01 Feb 2022 11:55

Tgt Ion: 98 Resp: 1126178  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.4 78.6

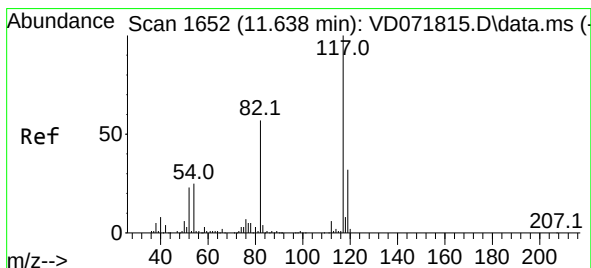
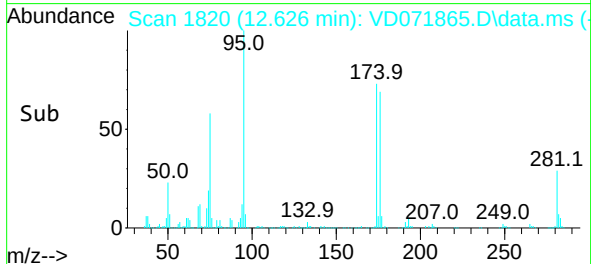
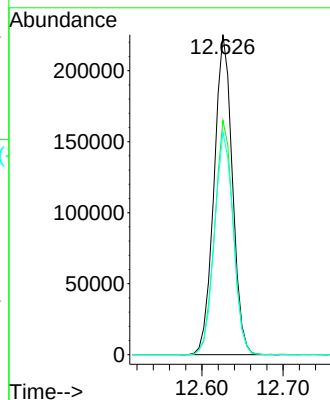
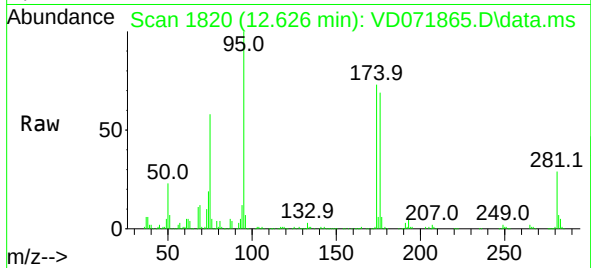




#62  
4-Bromofluorobenzene  
Concen: 46.325 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071865.D  
Acq: 01 Feb 2022 11:55

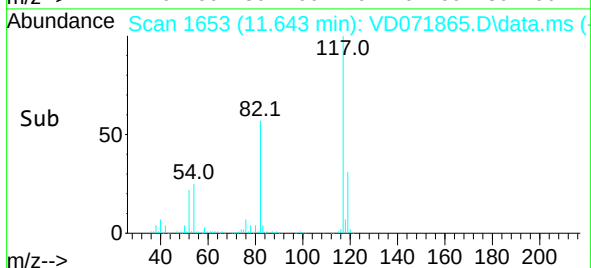
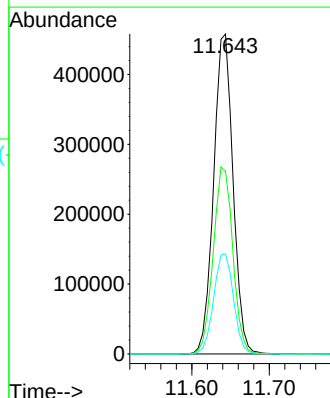
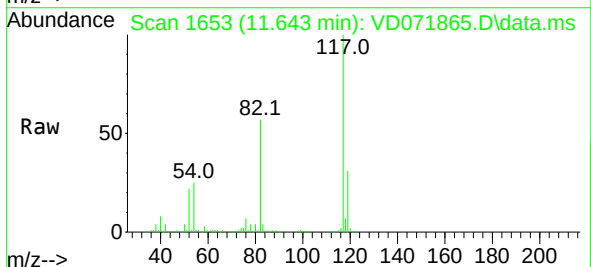
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-1(0.5-1)

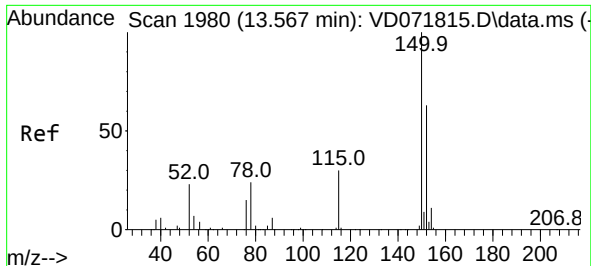
Tgt Ion: 95 Resp: 353717  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 152.8  
176 71.3 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.643 min Scan# 1653  
Delta R.T. 0.006 min  
Lab File: VD071865.D  
Acq: 01 Feb 2022 11:55

Tgt Ion: 117 Resp: 796807  
Ion Ratio Lower Upper  
117 100  
82 57.1 45.3 67.9  
119 31.2 26.6 40.0

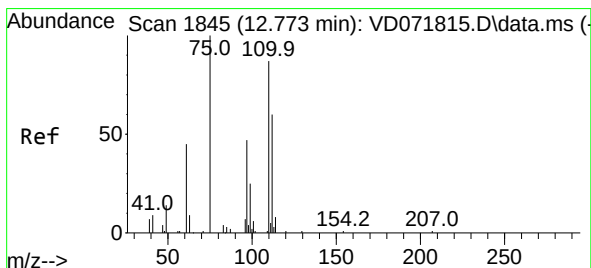
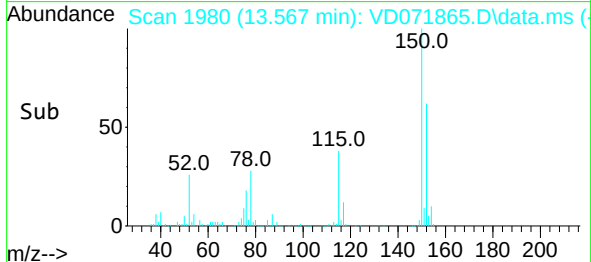
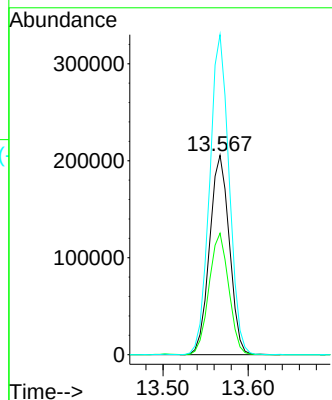
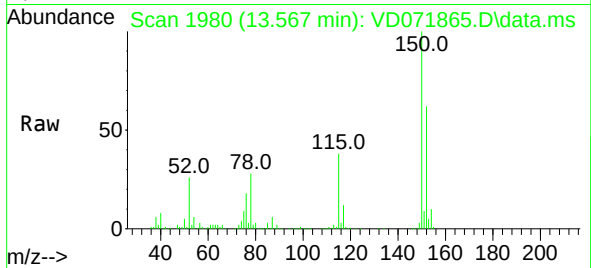




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.567 min Scan# 1980  
 Delta R.T. -0.000 min  
 Lab File: VD071865.D  
 Acq: 01 Feb 2022 11:55

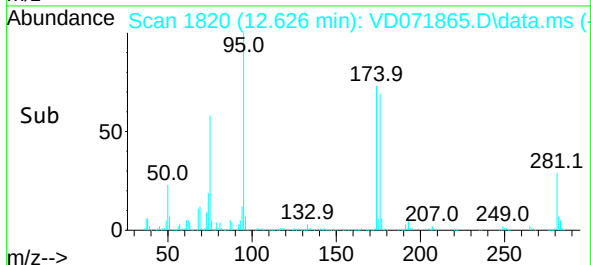
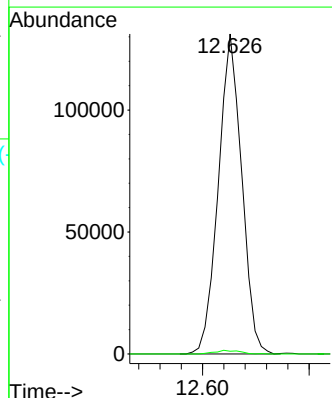
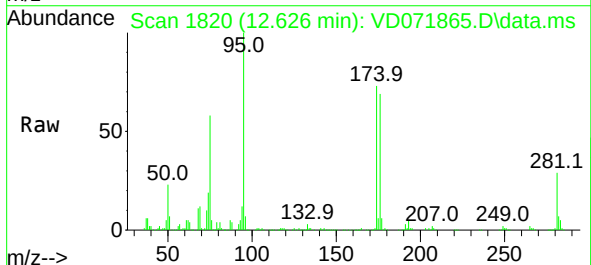
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-1(0.5-1)

Tgt Ion:152 Resp: 331934  
 Ion Ratio Lower Upper  
 152 100  
 115 60.7 31.3 93.8  
 150 158.5 0.0 348.6

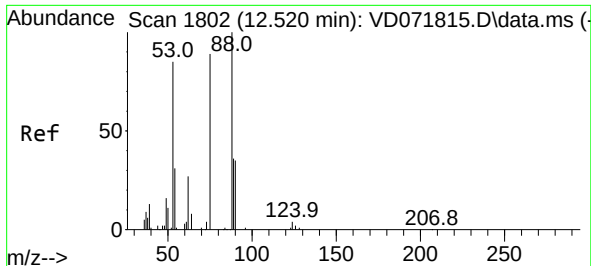


#76  
 1,2,3-Trichloropropane  
 Concen: 56.992 ug/l  
 RT: 12.626 min Scan# 1820  
 Delta R.T. -0.147 min  
 Lab File: VD071865.D  
 Acq: 01 Feb 2022 11:55

Tgt Ion: 75 Resp: 199369  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#



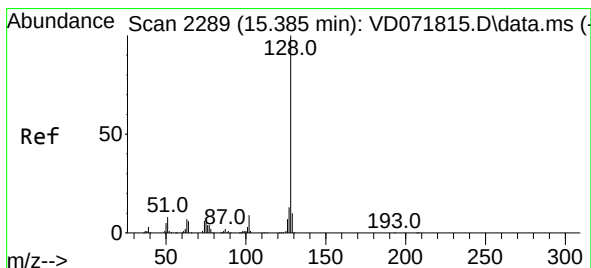
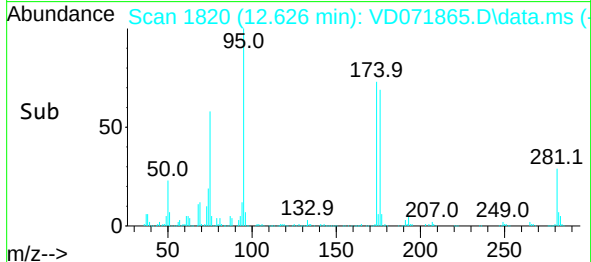
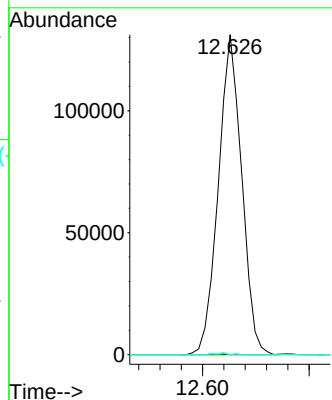
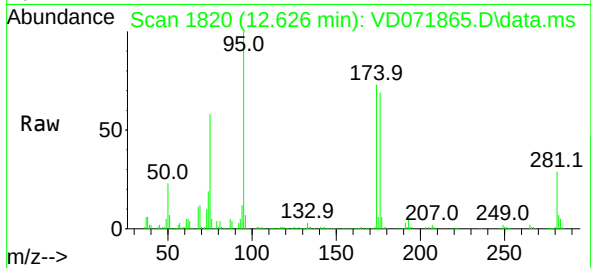




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 140.131 ug/l  
 RT: 12.626 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VD071865.D  
 Acq: 01 Feb 2022 11:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-1(0.5-1)

Tgt Ion: 75 Resp: 199369  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 86.5 129.7#  
 89 0.4 33.9 50.9#



#95  
 Naphthalene  
 Concen: 1.739 ug/l  
 RT: 15.384 min Scan# 2289  
 Delta R.T. -0.000 min  
 Lab File: VD071865.D  
 Acq: 01 Feb 2022 11:55

Tgt Ion:128 Resp: 3390  
 Ion Ratio Lower Upper  
 128 100  
 127 3.8 10.3 15.5#  
 129 2.8 8.4 12.6#

