

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD070522\  
 Data File : VD073782.D  
 Acq On : 05 Jul 2022 19:05  
 Operator : VA/SY  
 Sample : N3562-11  
 Misc : 6.13G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-12A

Quant Time: Jul 06 02:52:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D063022S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 05 10:05:34 2022  
 Response via : Initial Calibration

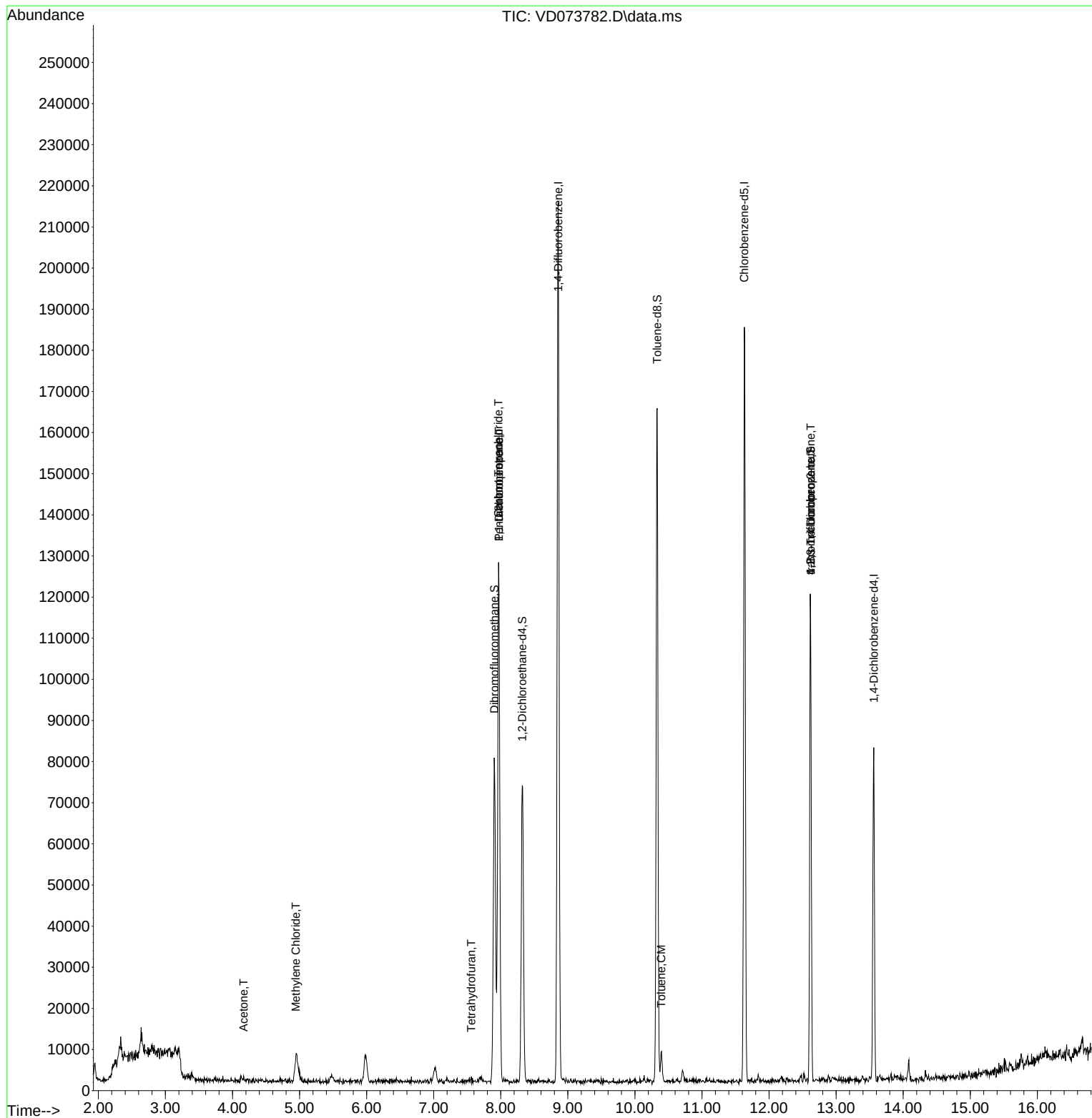
| Compound                      | R.T. QIon |       | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|--------|----------|
| -----                         |           |       |          |           |        |          |
| Internal Standards            |           |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.973     | 168   | 79904    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.855     | 114   | 173391   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.632    | 117   | 100696   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561    | 152   | 19030    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |           |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.320     | 65    | 56998    | 73.122    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | =      | 146.240% |
| 35) Dibromofluoromethane      | 7.903     | 113   | 54084    | 57.418    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | =      | 114.840% |
| 50) Toluene-d8                | 10.332    | 98    | 108939   | 31.529    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 12  | Recovery  | =      | 63.060%# |
| 62) 4-Bromofluorobenzene      | 12.620    | 95    | 30729    | 22.549    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 14  | Recovery  | =      | 45.100%# |
| Target Compounds              |           |       |          |           |        |          |
|                               |           |       |          |           |        | Qvalue   |
| 5) Bromomethane               | 2.762     | 94    | 716      | Below Cal | #      | 38       |
| 16) Acetone                   | 4.167     | 43    | 986      | 6.080     | ug/l # | 80       |
| 18) Methyl Acetate            | 4.720     | 43    | 783      | Below Cal | #      | 50       |
| 20) Methylene Chloride        | 4.944     | 84    | 4978     | 1.046     | ug/l # | 89       |
| 29) Tetrahydrofuran           | 7.561     | 42    | 333      | 1.978     | ug/l # | 51       |
| 31) Cyclohexane               | 7.973     | 56    | 2400     | Below Cal | #      | 39       |
| 36) 1,1-Dichloropropene       | 7.973     | 75    | 8361     | 6.393     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.967     | 117   | 9497     | 6.763     | ug/l # | 11       |
| 52) Toluene                   | 10.391    | 92    | 3371     | 1.308     | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.620    | 75    | 16080    | 88.418    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.620    | 75    | 16080    | 170.570   | ug/l # | 11       |
| -----                         |           |       |          |           |        |          |

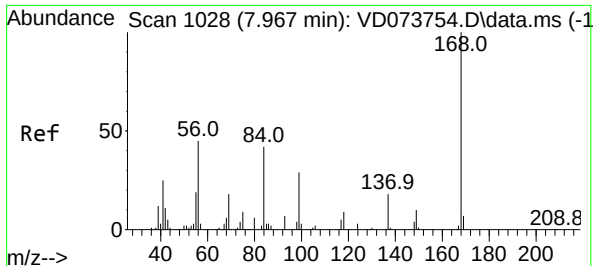
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N3562-11  
Misc : 6.13G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-12A

Quant Time: Jul 06 02:52:08 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D063022S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 05 10:05:34 2022  
Response via : Initial Calibration

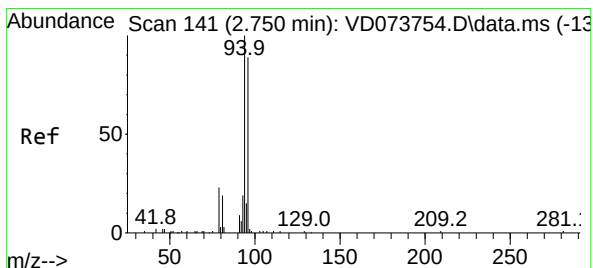
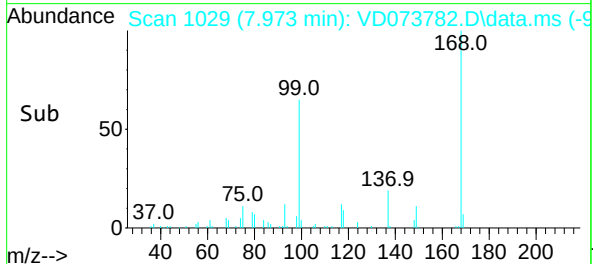
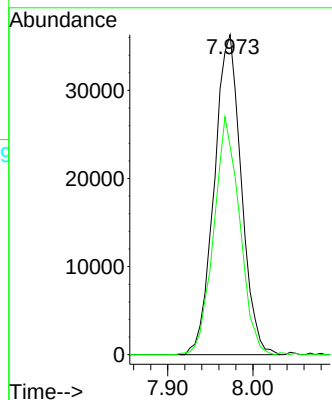
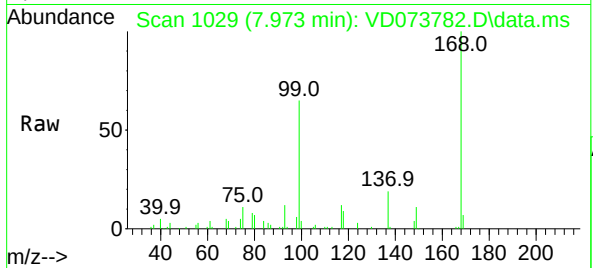




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VD073782.D  
Acq: 05 Jul 2022 19:05

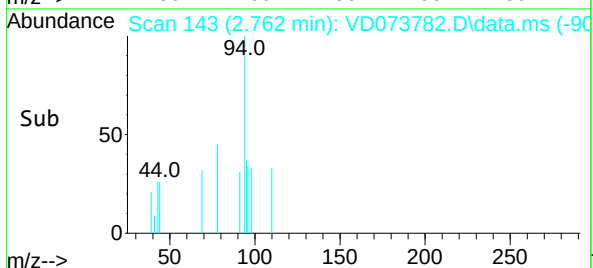
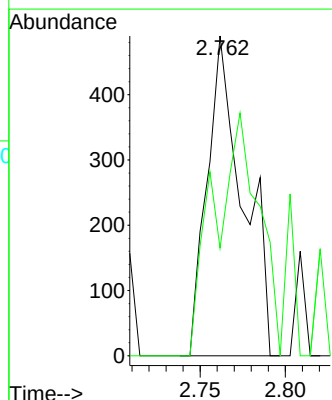
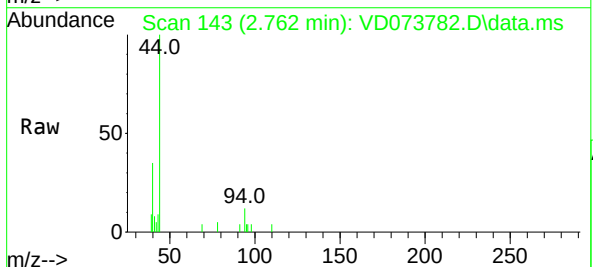
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-12A

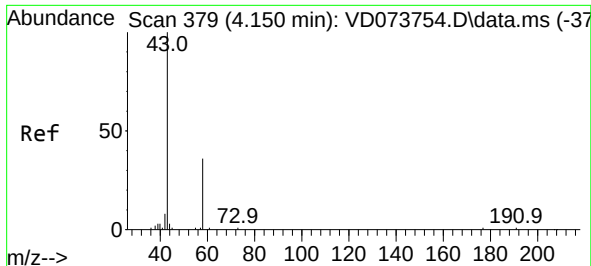
Tgt Ion:168 Resp: 79904  
Ion Ratio Lower Upper  
168 100  
99 64.7 46.4 69.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.762 min Scan# 143  
Delta R.T. 0.012 min  
Lab File: VD073782.D  
Acq: 05 Jul 2022 19:05

Tgt Ion: 94 Resp: 716  
Ion Ratio Lower Upper  
94 100  
96 33.7 75.1 112.7#

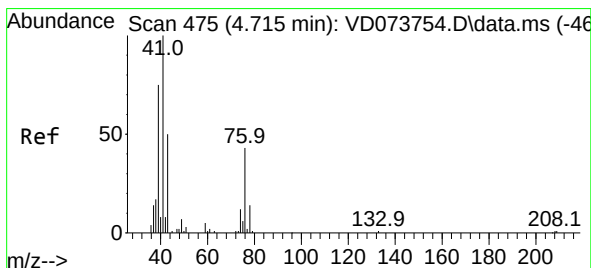
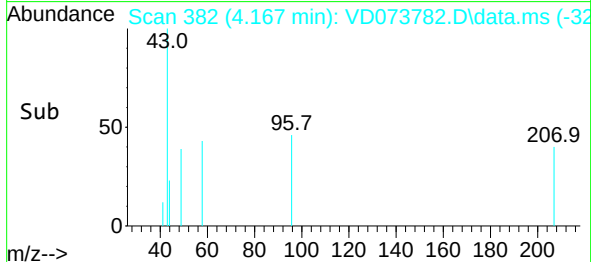
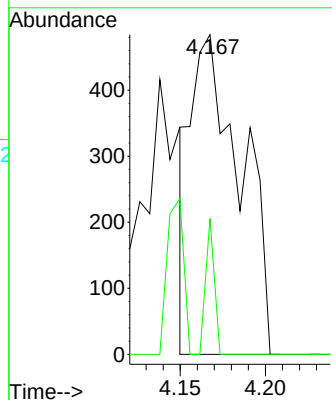
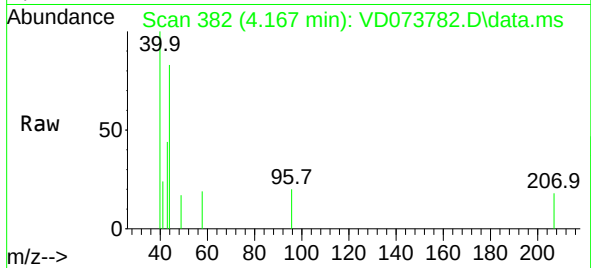




#16  
Acetone  
Concen: 6.080 ug/l  
RT: 4.167 min Scan# 31  
Delta R.T. 0.018 min  
Lab File: VD073782.D  
Acq: 05 Jul 2022 19:05

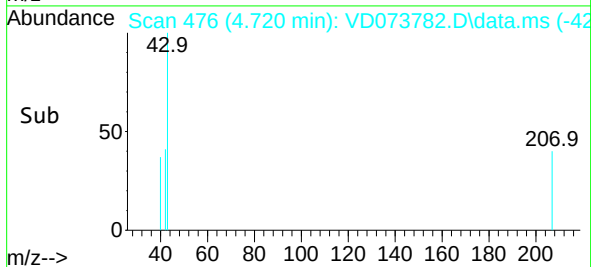
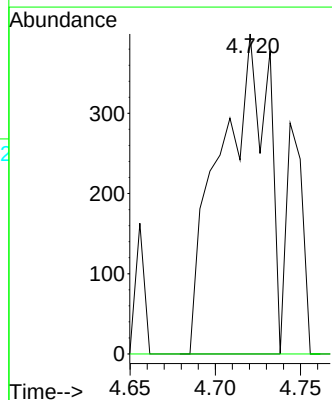
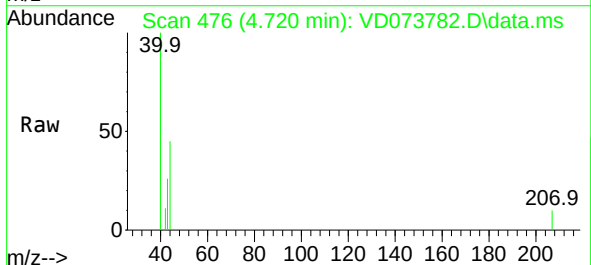
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-12A

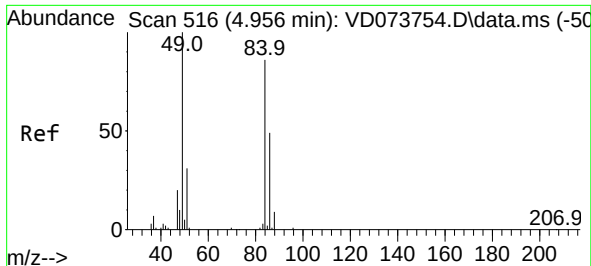
Tgt Ion: 43 Resp: 986  
Ion Ratio Lower Upper  
43 100  
58 42.6 25.2 37.8#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.720 min Scan# 476  
Delta R.T. 0.005 min  
Lab File: VD073782.D  
Acq: 05 Jul 2022 19:05

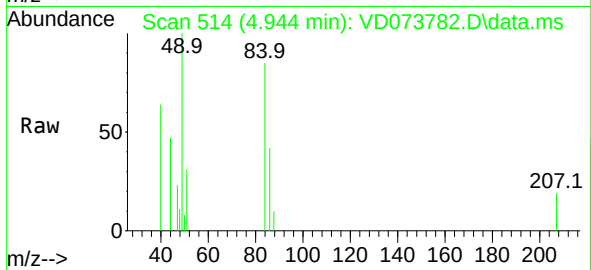
Tgt Ion: 43 Resp: 783  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.2 30.4#



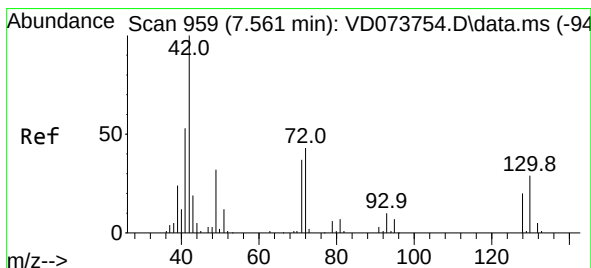
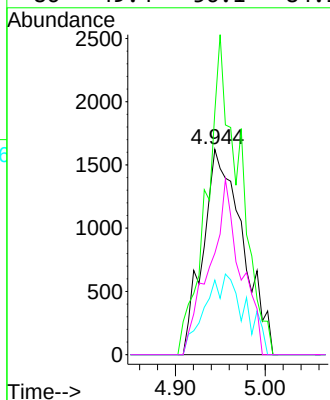
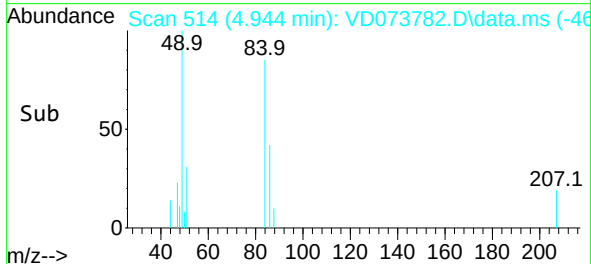


#20  
Methylene Chloride  
Concen: 1.046 ug/l  
RT: 4.944 min Scan# 516  
Delta R.T. -0.012 min  
Lab File: VD073782.D  
Acq: 05 Jul 2022 19:05

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-12A

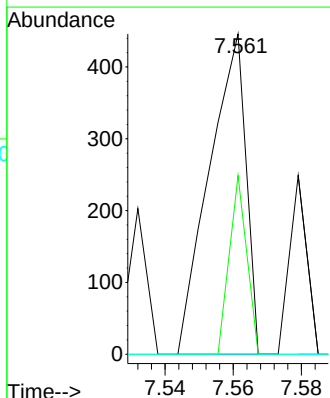
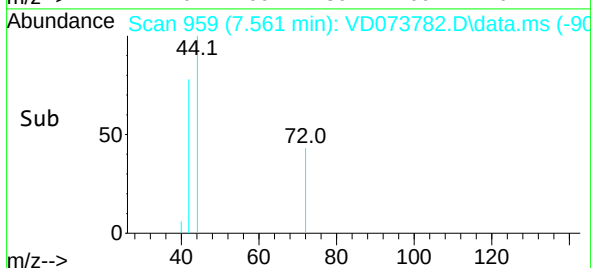
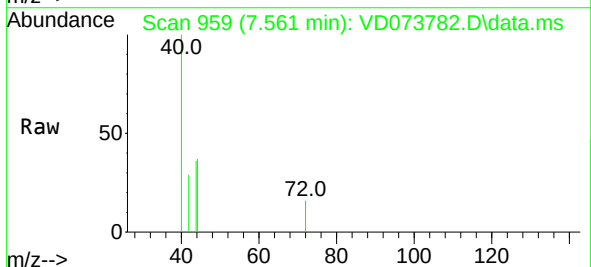


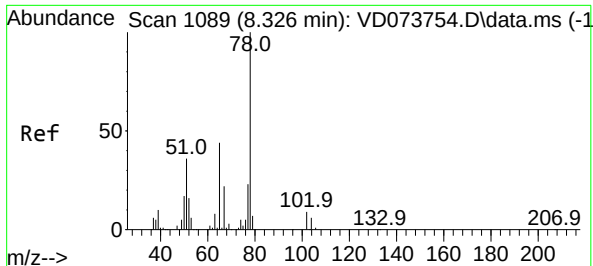
Tgt Ion: 84 Resp: 4978  
Ion Ratio Lower Upper  
84 100  
49 118.3 100.6 150.8  
51 36.4 29.8 44.6  
86 49.4 56.1 84.1#



#29  
Tetrahydrofuran  
Concen: 1.978 ug/l  
RT: 7.561 min Scan# 959  
Delta R.T. -0.000 min  
Lab File: VD073782.D  
Acq: 05 Jul 2022 19:05

Tgt Ion: 42 Resp: 333  
Ion Ratio Lower Upper  
42 100  
72 26.4 37.8 56.6#  
71 0.0 35.5 53.3#





#33

1,2-Dichloroethane-d4

Concen: 73.122 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. -0.006 min

Lab File: VD073782.D

Acq: 05 Jul 2022 19:05

Instrument :

MSVOA\_D

ClientSampleId :

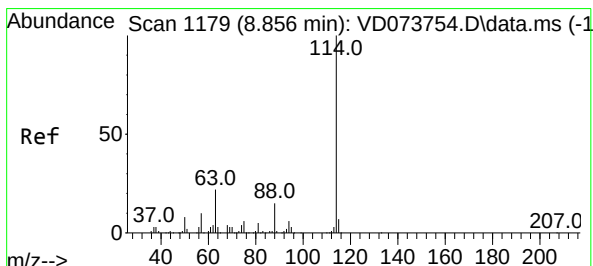
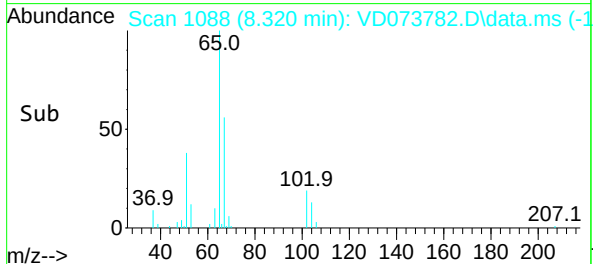
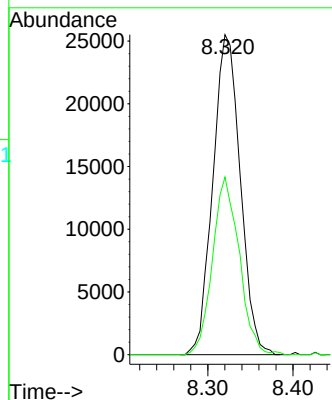
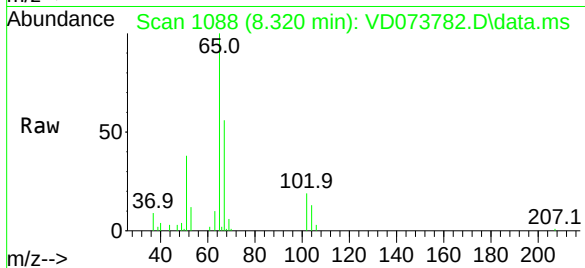
SB-12A

Tgt Ion: 65 Resp: 56998

Ion Ratio Lower Upper

65 100

67 54.1 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD073782.D

Acq: 05 Jul 2022 19:05

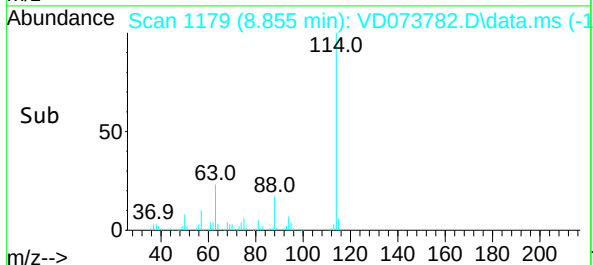
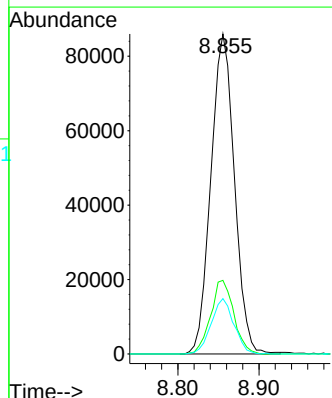
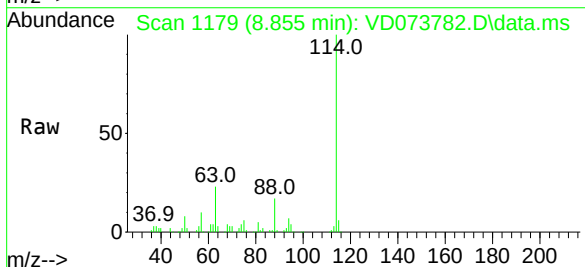
Tgt Ion: 114 Resp: 173391

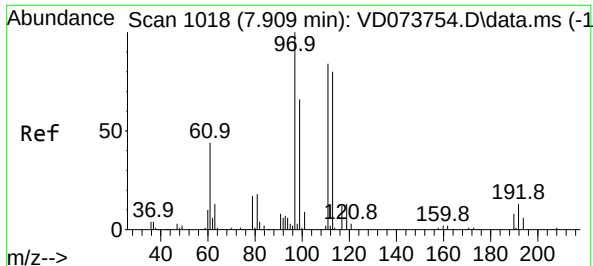
Ion Ratio Lower Upper

114 100

63 23.0 0.0 39.2

88 17.3 0.0 29.4





#35

Dibromofluoromethane

Concen: 57.418 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073782.D

Acq: 05 Jul 2022 19:05

Instrument :

MSVOA\_D

ClientSampleId :

SB-12A

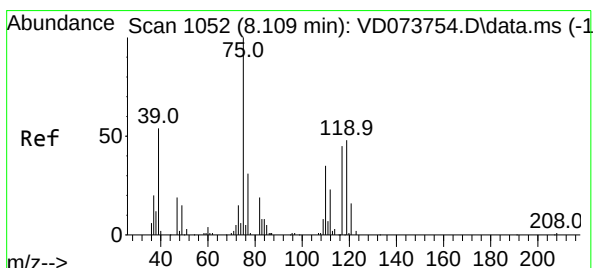
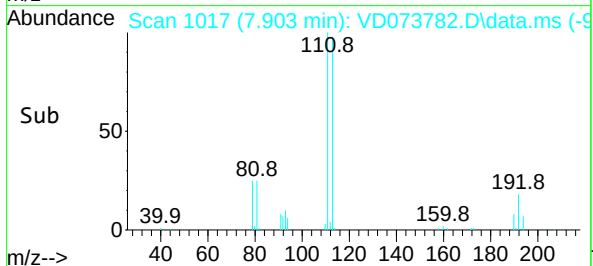
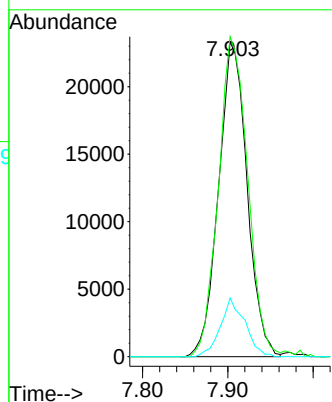
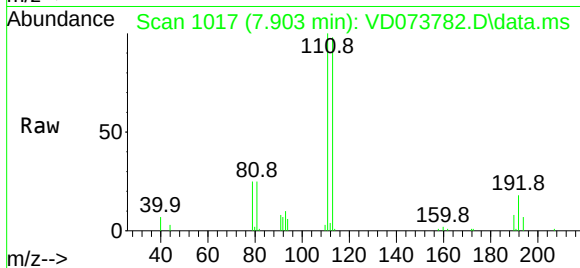
Tgt Ion:113 Resp: 54084

Ion Ratio Lower Upper

113 100

111 105.3 81.8 122.6

192 16.1 14.8 22.2



#36

1,1-Dichloropropene

Concen: 6.393 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073782.D

Acq: 05 Jul 2022 19:05

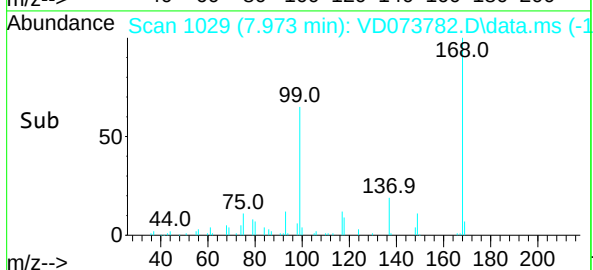
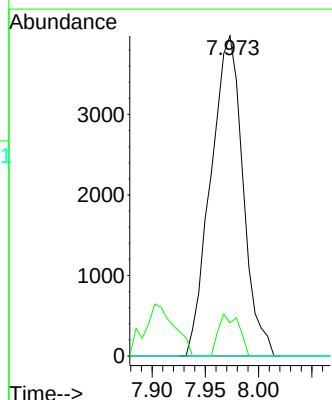
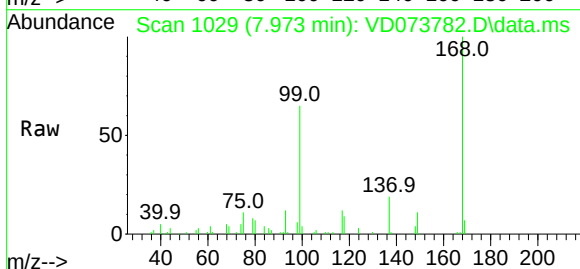
Tgt Ion: 75 Resp: 8361

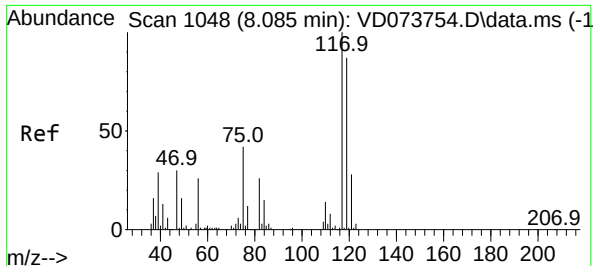
Ion Ratio Lower Upper

75 100

110 8.3 18.0 54.0#

77 0.0 25.6 38.4#

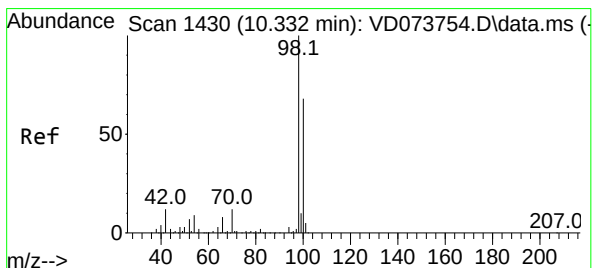
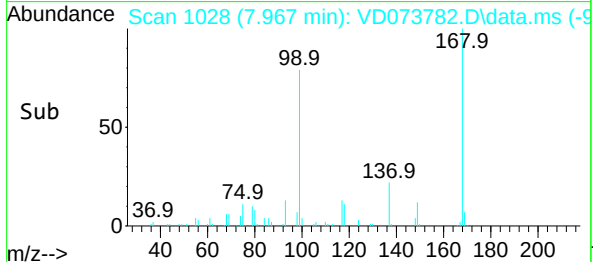
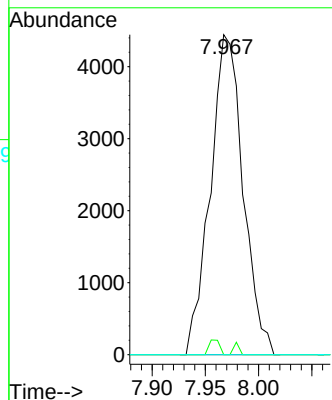
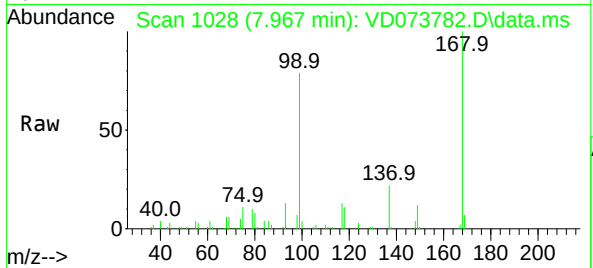




#38  
Carbon Tetrachloride  
Concen: 6.763 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.118 min  
Lab File: VD073782.D  
Acq: 05 Jul 2022 19:05

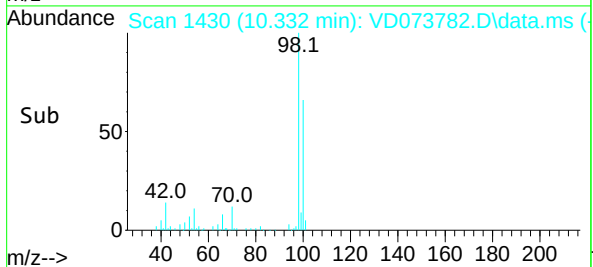
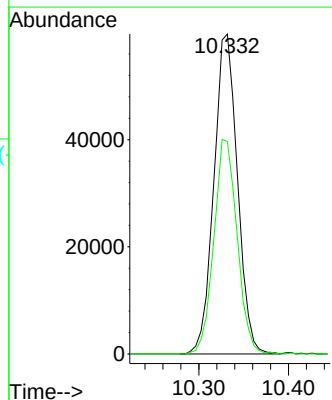
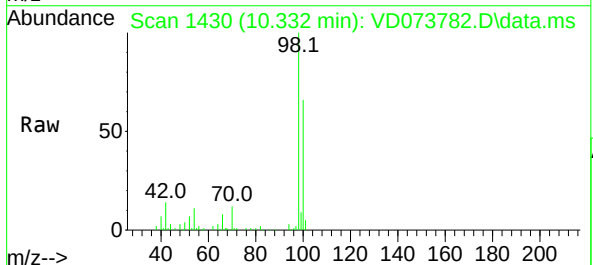
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-12A

Tgt Ion:117 Resp: 9497  
Ion Ratio Lower Upper  
117 100  
119 0.0 79.2 118.8#  
121 0.0 23.8 35.8#

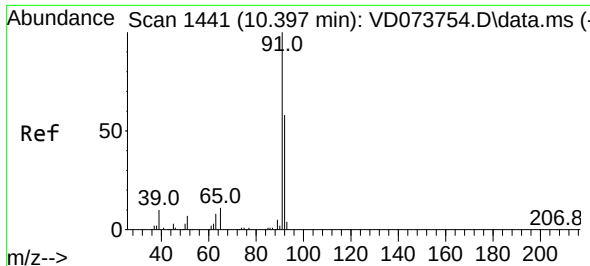


#50  
Toluene-d8  
Concen: 31.529 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073782.D  
Acq: 05 Jul 2022 19:05

Tgt Ion: 98 Resp: 108939  
Ion Ratio Lower Upper  
98 100  
100 66.2 54.0 81.0



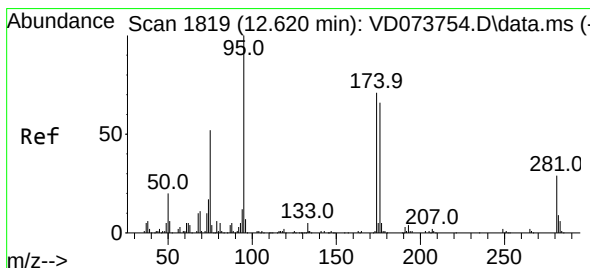
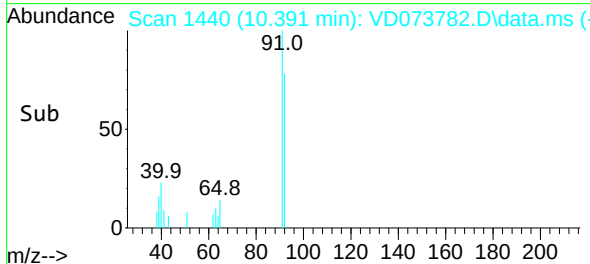
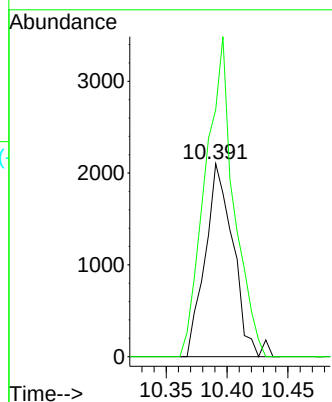
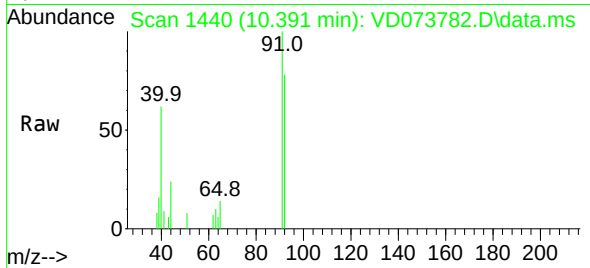




#52  
Toluene  
Concen: 1.308 ug/l  
RT: 10.391 min Scan# 1441  
Delta R.T. -0.006 min  
Lab File: VD073782.D  
Acq: 05 Jul 2022 19:05

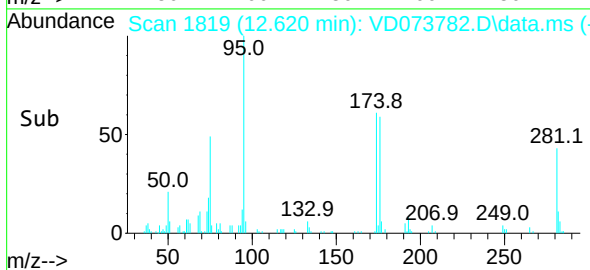
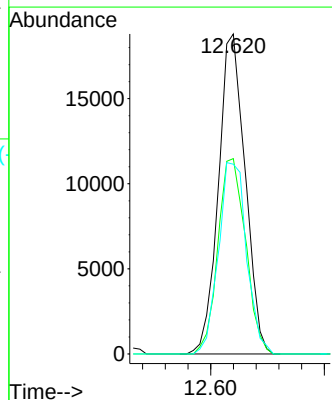
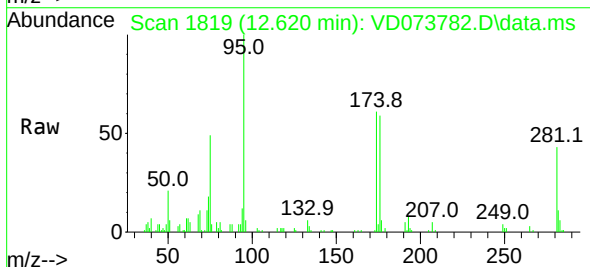
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-12A

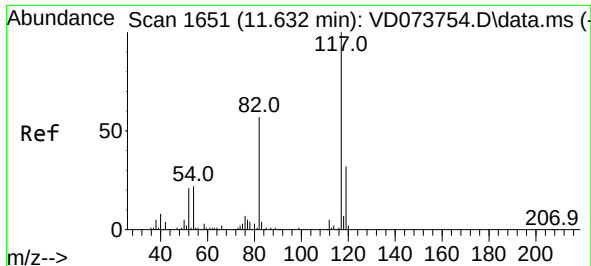
Tgt Ion: 92 Resp: 3371  
Ion Ratio Lower Upper  
92 100  
91 169.6 136.1 204.1



#62  
4-Bromofluorobenzene  
Concen: 22.549 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073782.D  
Acq: 05 Jul 2022 19:05

Tgt Ion: 95 Resp: 30729  
Ion Ratio Lower Upper  
95 100  
174 63.1 0.0 158.4  
176 62.6 0.0 154.8

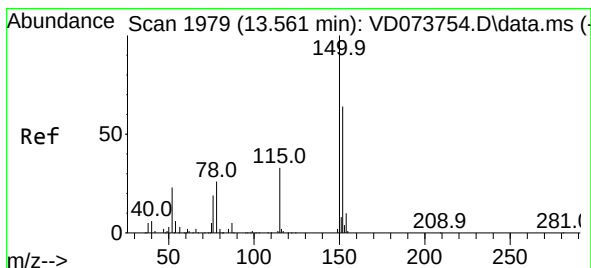
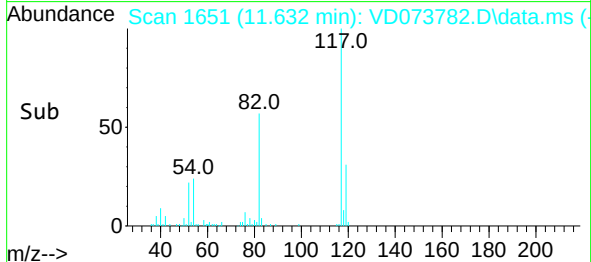
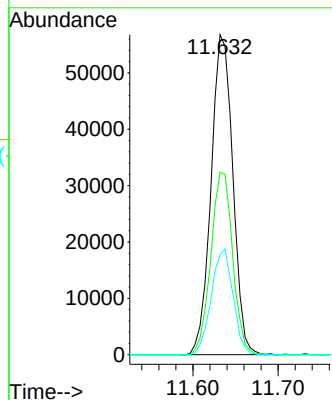
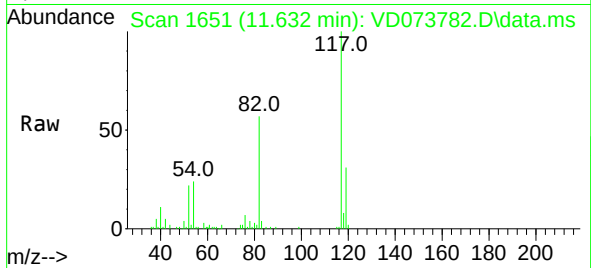




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VD073782.D  
Acq: 05 Jul 2022 19:05

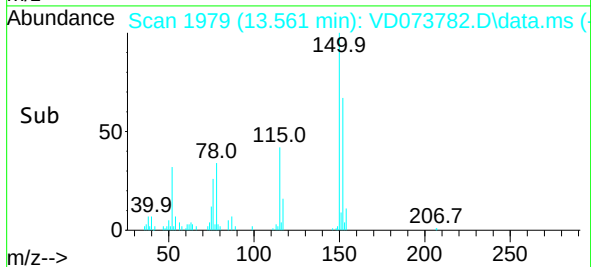
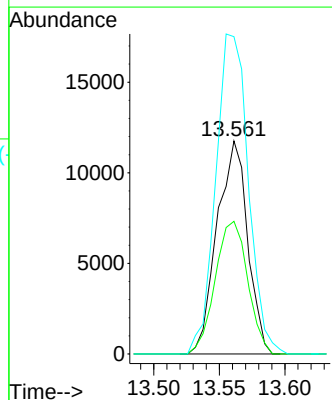
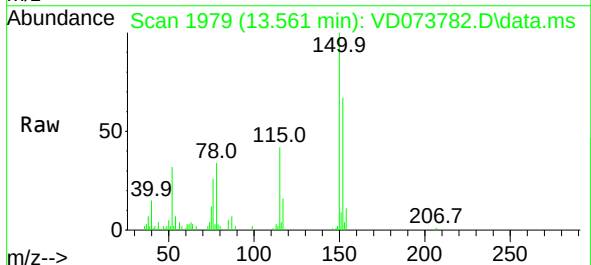
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-12A

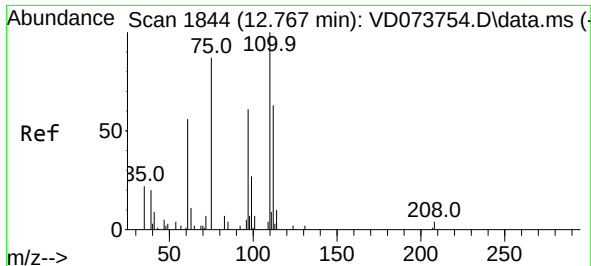
Tgt Ion:117 Resp: 100696  
Ion Ratio Lower Upper  
117 100  
82 57.0 41.5 62.3  
119 31.2 27.1 40.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.000 min  
Lab File: VD073782.D  
Acq: 05 Jul 2022 19:05

Tgt Ion:152 Resp: 19030  
Ion Ratio Lower Upper  
152 100  
115 66.2 30.6 91.6  
150 160.4 0.0 355.0

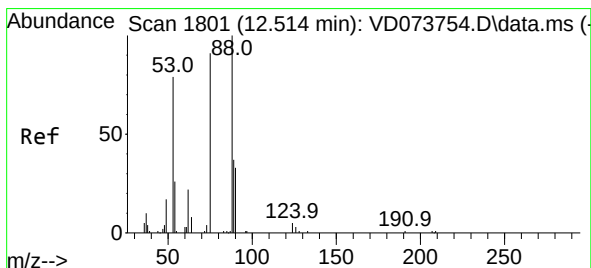
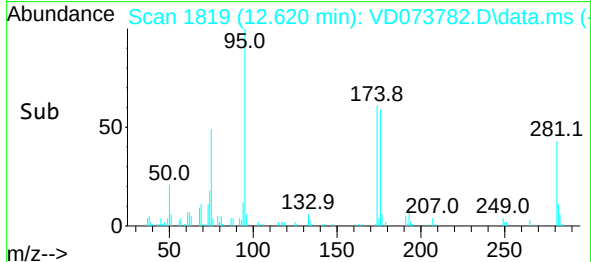
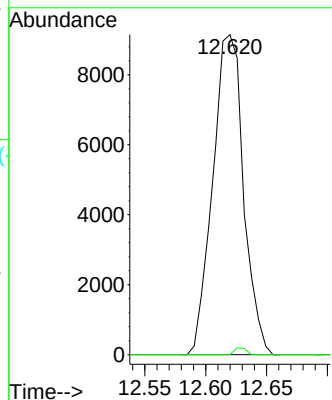
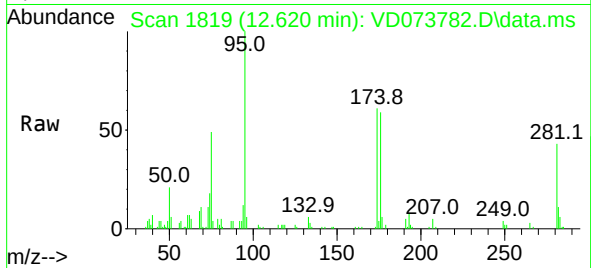




#76  
1,2,3-Trichloropropane  
Concen: 88.418 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.147 min  
Lab File: VD073782.D  
Acq: 05 Jul 2022 19:05

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-12A

Tgt Ion: 75 Resp: 16080  
Ion Ratio Lower Upper  
75 100  
77 0.8 195.3 586.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 170.570 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.106 min  
Lab File: VD073782.D  
Acq: 05 Jul 2022 19:05

Tgt Ion: 75 Resp: 16080  
Ion Ratio Lower Upper  
75 100  
53 0.4 77.0 115.6#  
89 0.4 37.8 56.8#

