

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020122\  
 Data File : VD071870.D  
 Acq On : 01 Feb 2022 14:13  
 Operator : VA/SY  
 Sample : N1340-07  
 Misc : 6.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-7(1.5-2)

Quant Time: Feb 02 07:06:18 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

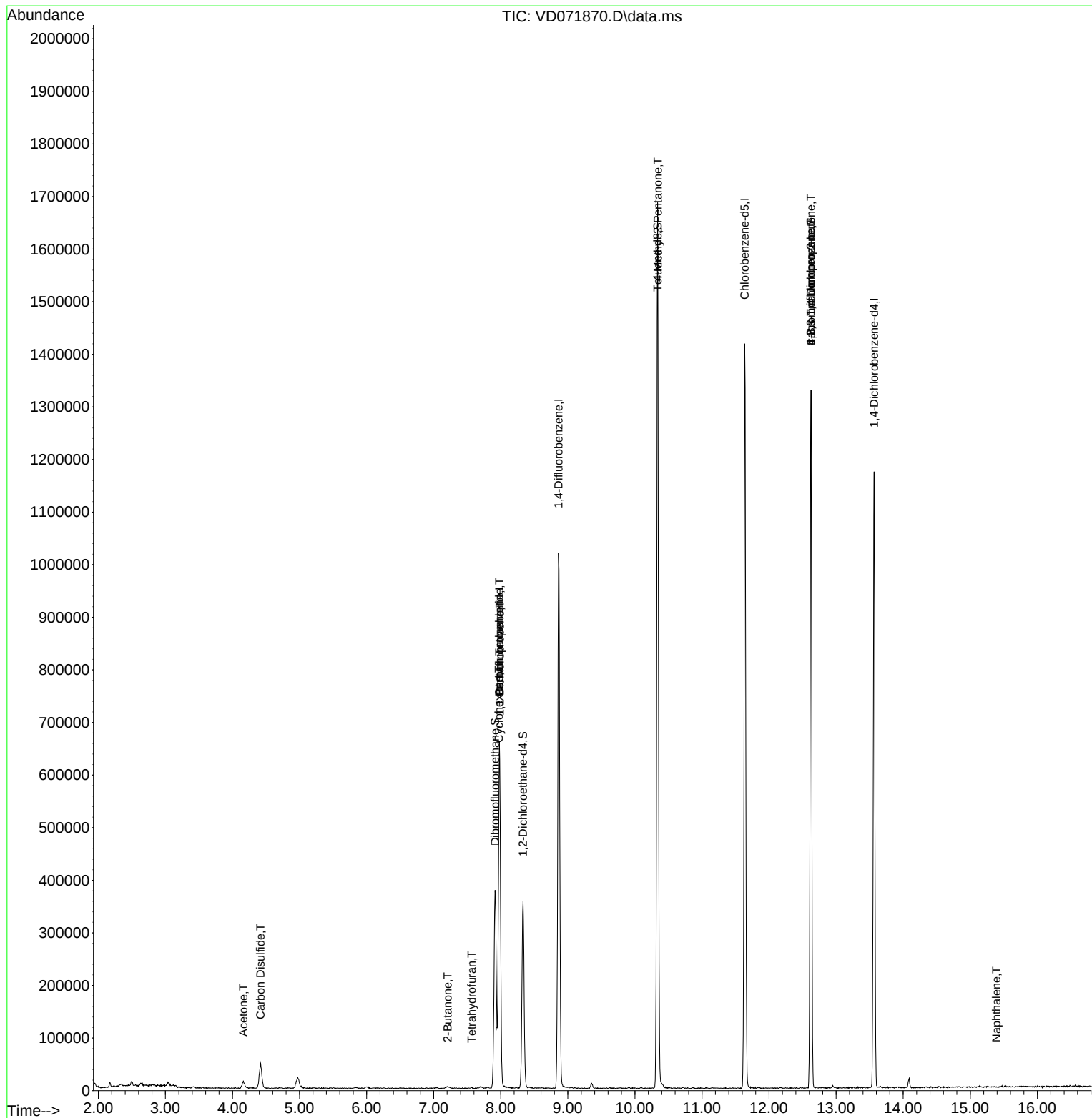
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.979  | 168   | 444414   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114   | 827569   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.638 | 117   | 744737   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567 | 152   | 280087   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.332  | 65    | 287099   | 51.111    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 102.220% |          |
| 35) Dibromofluoromethane      | 7.914  | 113   | 265230   | 48.757    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 97.520%  |          |
| 50) Toluene-d8                | 10.338 | 98    | 1048846  | 51.627    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 103.260% |          |
| 62) 4-Bromofluorobenzene      | 12.626 | 95    | 317367   | 44.734    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 89.460%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 5.232  | 59    | 105      | Below Cal | #          | 74       |
| 16) Acetone                   | 4.162  | 43    | 22730    | 14.782    | ug/l       | 93       |
| 17) Carbon Disulfide          | 4.420  | 76    | 91930    | 5.400     | ug/l       | 97       |
| 20) Methylene Chloride        | 4.979  | 84    | 14217    | Below Cal | #          | 85       |
| 25) 2-Butanone                | 7.208  | 43    | 2259     | 1.260     | ug/l       | # 87     |
| 29) Tetrahydrofuran           | 7.567  | 42    | 1080     | 1.018     | ug/l       | # 44     |
| 31) Cyclohexane               | 7.973  | 56    | 15218    | 1.419     | ug/l       | # 39     |
| 36) 1,1-Dichloropropene       | 7.985  | 75    | 41042    | 4.396     | ug/l       | # 51     |
| 38) Carbon Tetrachloride      | 7.979  | 117   | 48815    | 5.287     | ug/l       | # 19     |
| 51) 4-Methyl-2-Pentanone      | 10.344 | 43    | 5797     | 1.420     | ug/l       | # 1      |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75    | 182023   | 61.666    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75    | 182023   | 151.622   | ug/l       | # 7      |
| 95) Naphthalene               | 15.390 | 128   | 225      | 1.476     | ug/l       | # 70     |
| -----                         |        |       |          |           |            |          |

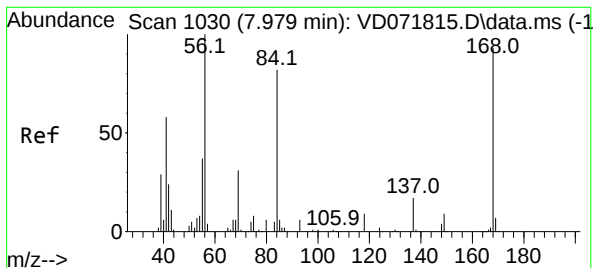
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD071870.D  
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Sample : N1340-07  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-7(1.5-2)

Quant Time: Feb 02 07:06:18 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

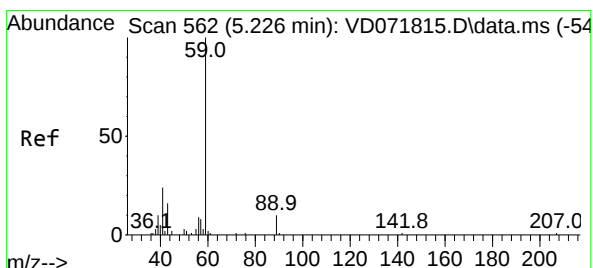
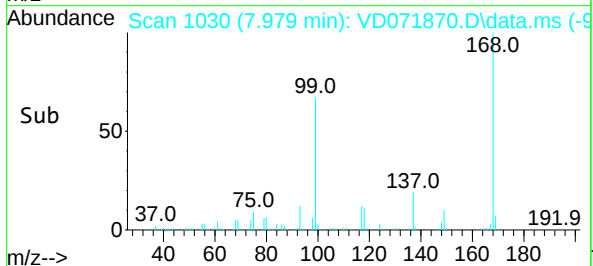
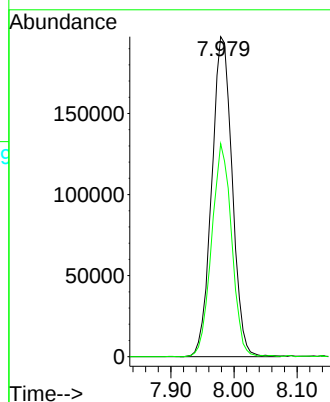
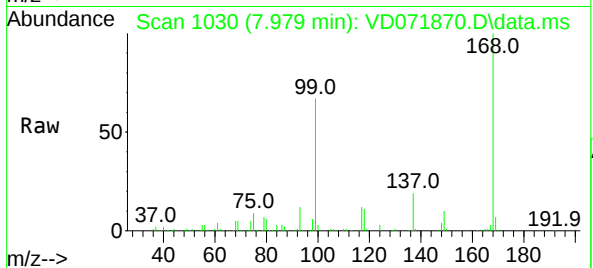




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD071870.D  
Acq: 01 Feb 2022 14:13

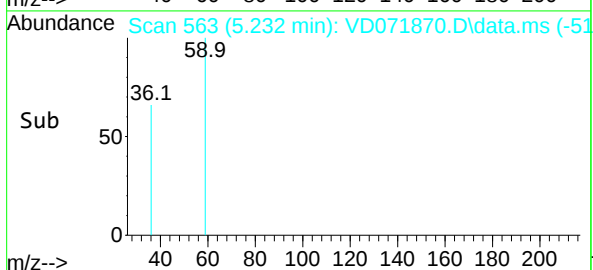
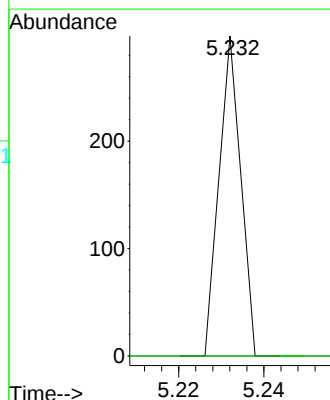
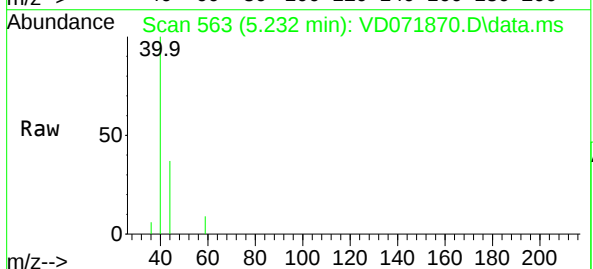
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-7(1.5-2)

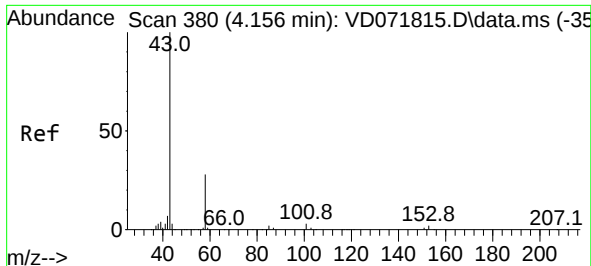
Tgt Ion:168 Resp: 444414  
Ion Ratio Lower Upper  
168 100  
99 66.6 49.8 74.6



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.232 min Scan# 563  
Delta R.T. 0.012 min  
Lab File: VD071870.D  
Acq: 01 Feb 2022 14:13

Tgt Ion: 59 Resp: 105  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#

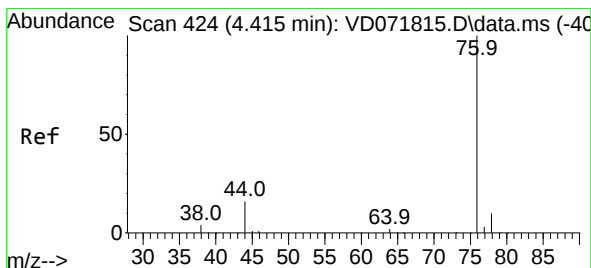
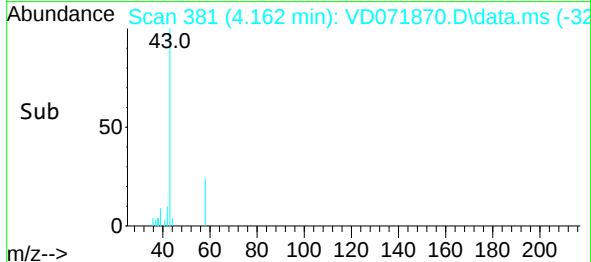
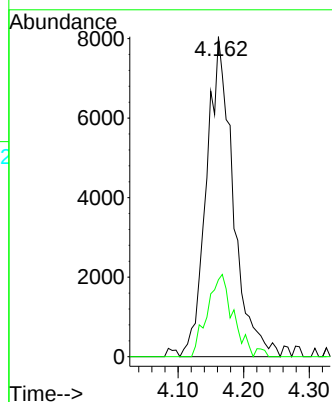
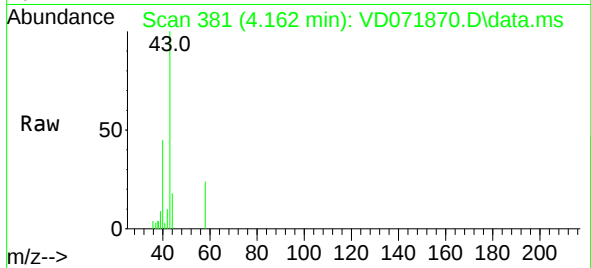




#16  
Acetone  
Concen: 14.782 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD071870.D  
Acq: 01 Feb 2022 14:13

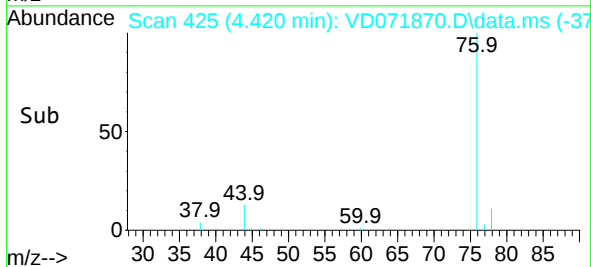
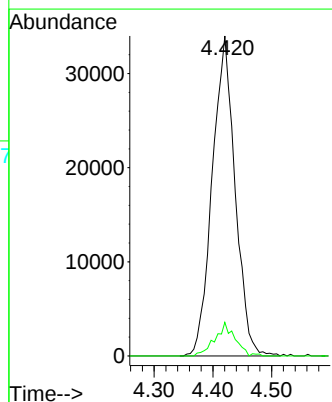
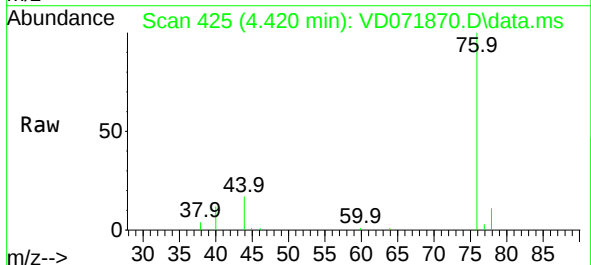
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-7(1.5-2)

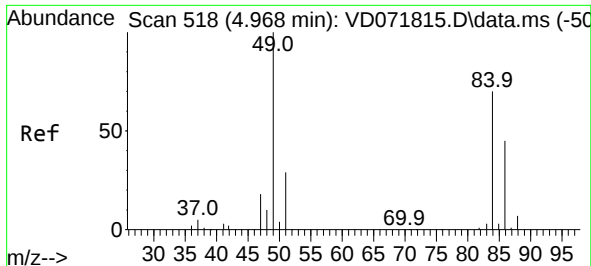
Tgt Ion: 43 Resp: 22730  
Ion Ratio Lower Upper  
43 100  
58 24.0 22.1 33.1



#17  
Carbon Disulfide  
Concen: 5.400 ug/l  
RT: 4.420 min Scan# 425  
Delta R.T. 0.006 min  
Lab File: VD071870.D  
Acq: 01 Feb 2022 14:13

Tgt Ion: 76 Resp: 91930  
Ion Ratio Lower Upper  
76 100  
78 10.5 7.5 11.3





#20

Methylene Chloride

Concen: Below Cal

RT: 4.979 min Scan# 518

Delta R.T. 0.012 min

Lab File: VD071870.D

Acq: 01 Feb 2022 14:13

Instrument :

MSVOA\_D

ClientSampleId :

SB-7(1.5-2)

Tgt Ion: 84 Resp: 14217

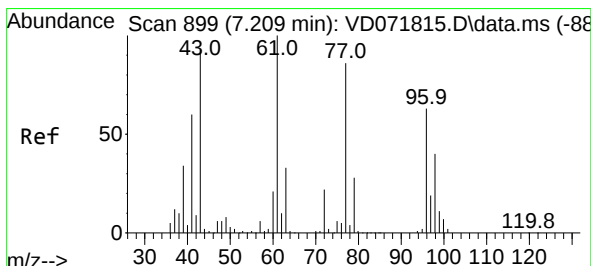
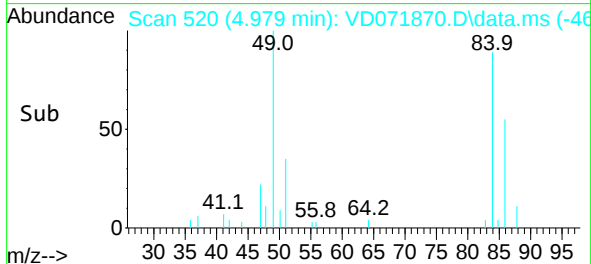
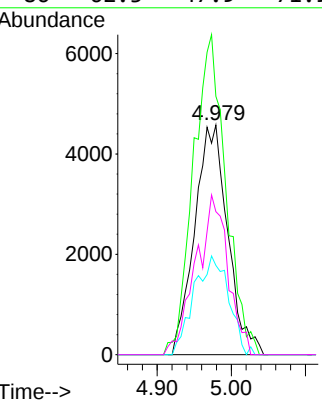
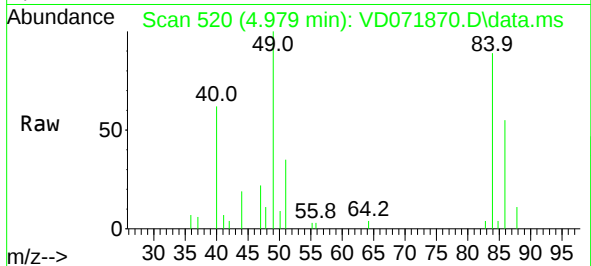
Ion Ratio Lower Upper

84 100

49 112.5 112.8 169.2#

51 38.9 32.6 48.8

86 62.3 47.9 71.9



#25

2-Butanone

Concen: 1.260 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.006 min

Lab File: VD071870.D

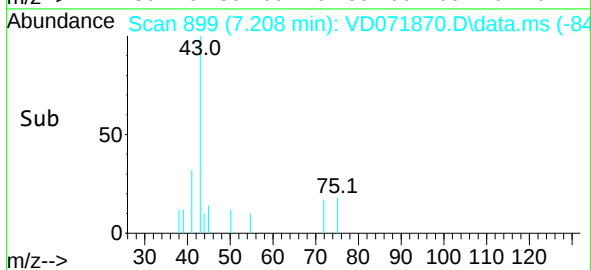
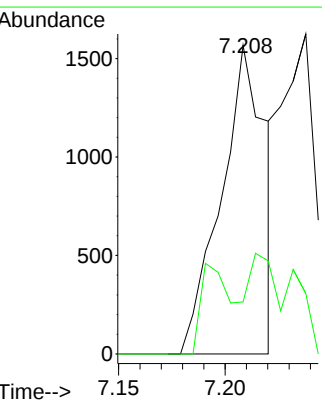
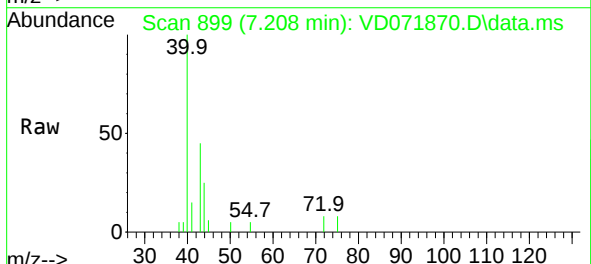
Acq: 01 Feb 2022 14:13

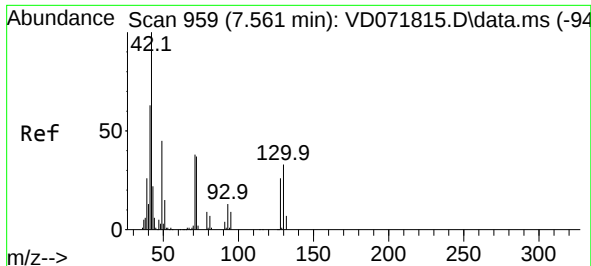
Tgt Ion: 43 Resp: 2259

Ion Ratio Lower Upper

43 100

72 16.8 18.6 27.8#





#29

Tetrahydrofuran

Concen: 1.018 ug/l

RT: 7.567 min Scan# 9

Delta R.T. 0.006 min

Lab File: VD071870.D

Acq: 01 Feb 2022 14:13

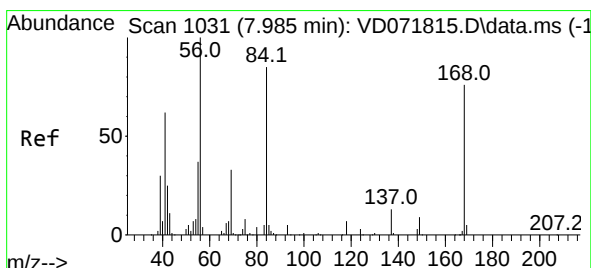
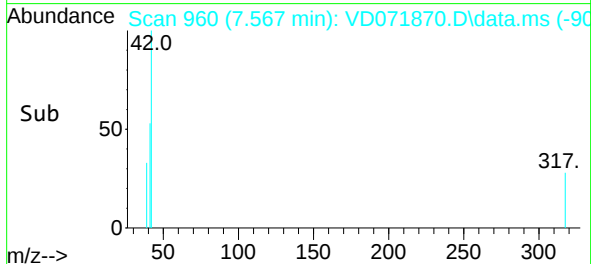
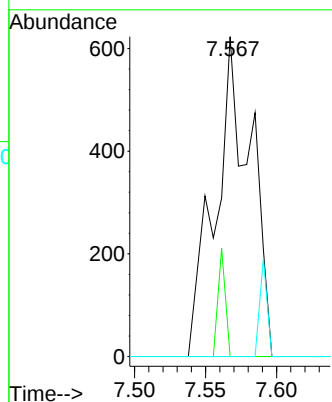
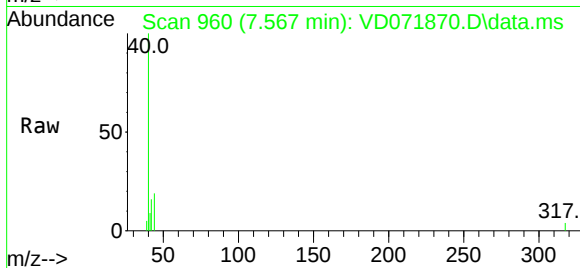
Instrument :

MSVOA\_D

ClientSampleId :

SB-7(1.5-2)

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 1080  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 6.9   | 30.7  | 46.1# |
| 71       | 0.0   | 28.6  | 43.0# |



#31

Cyclohexane

Concen: 1.419 ug/l

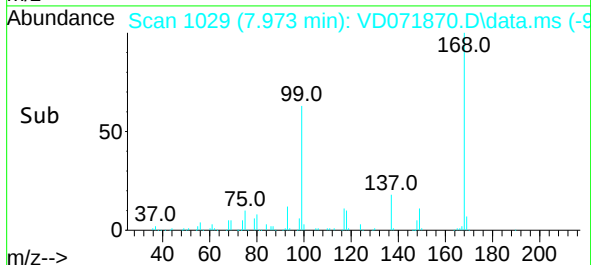
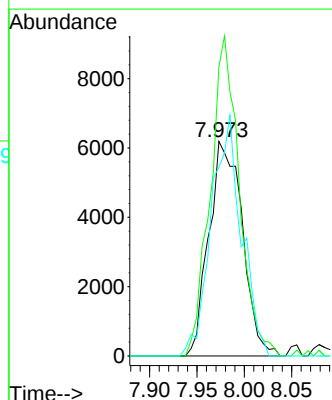
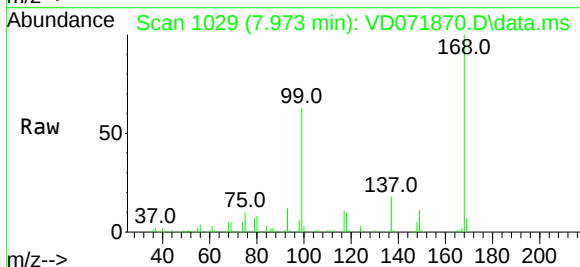
RT: 7.973 min Scan# 1029

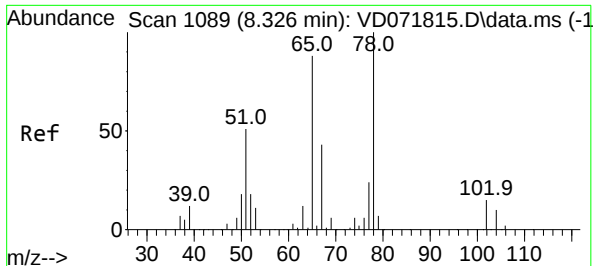
Delta R.T. -0.012 min

Lab File: VD071870.D

Acq: 01 Feb 2022 14:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 15218 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 134.8 | 25.4  | 38.2# |
| 84       | 88.0  | 63.0  | 94.4  |





#33

1,2-Dichloroethane-d4

Concen: 51.111 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071870.D

Acq: 01 Feb 2022 14:13

Instrument :

MSVOA\_D

ClientSampleId :

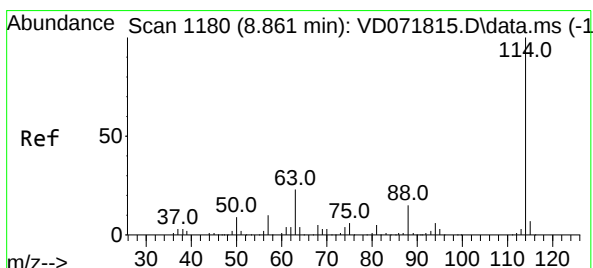
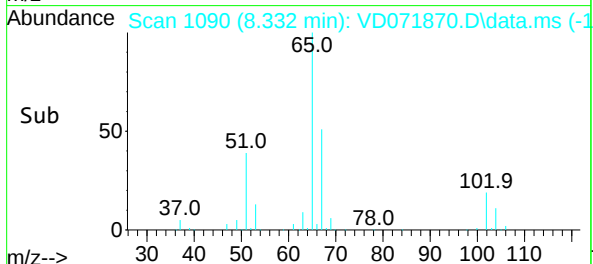
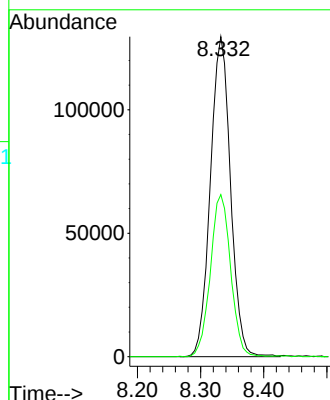
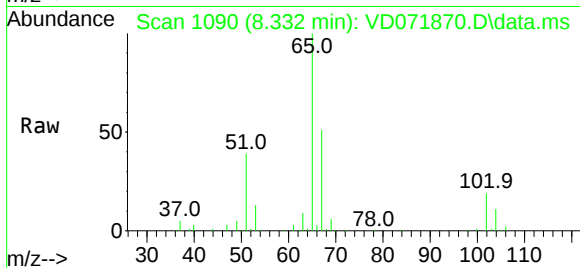
SB-7(1.5-2)

Tgt Ion: 65 Resp: 287099

Ion Ratio Lower Upper

65 100

67 51.0 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: VD071870.D

Acq: 01 Feb 2022 14:13

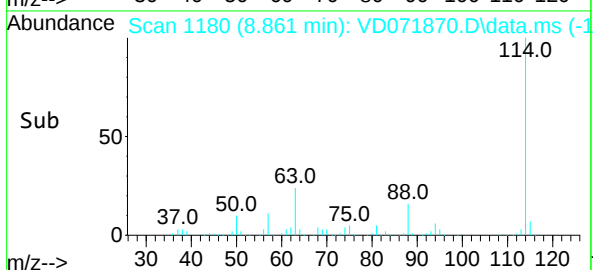
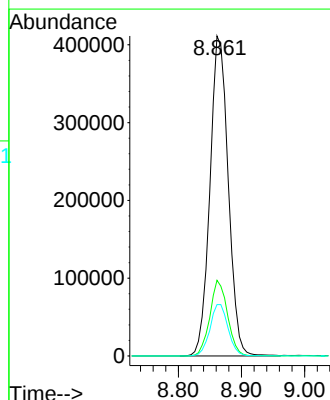
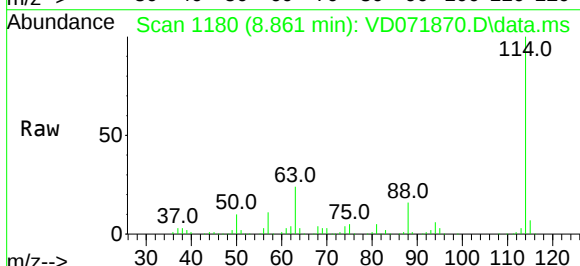
Tgt Ion: 114 Resp: 827569

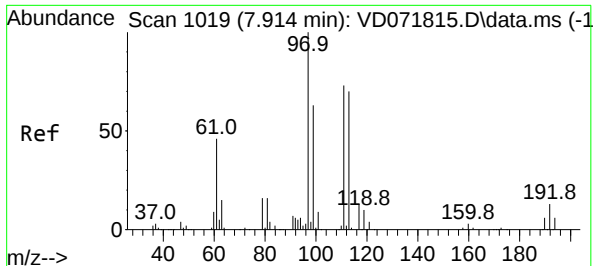
Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.6

88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.757 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD071870.D

Acq: 01 Feb 2022 14:13

Instrument :

MSVOA\_D

ClientSampleId :

SB-7(1.5-2)

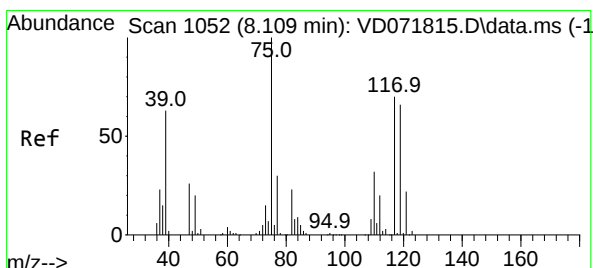
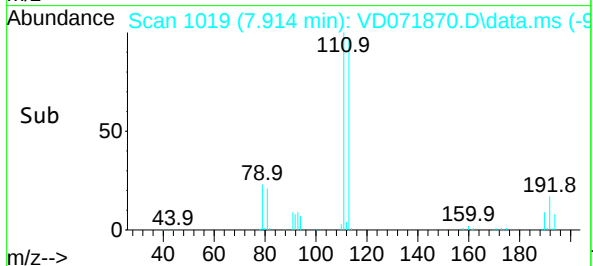
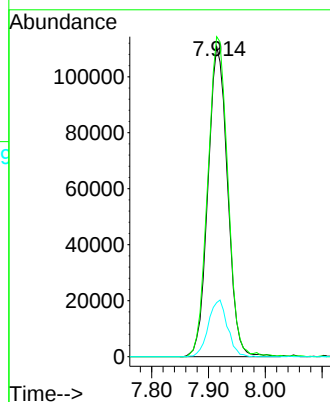
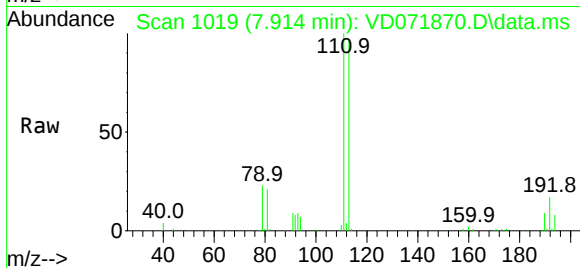
Tgt Ion:113 Resp: 265230

Ion Ratio Lower Upper

113 100

111 105.4 83.8 125.6

192 17.8 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.396 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.130 min

Lab File: VD071870.D

Acq: 01 Feb 2022 14:13

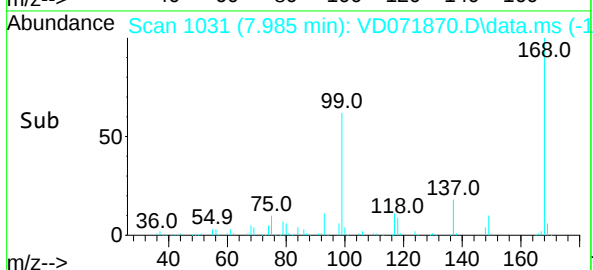
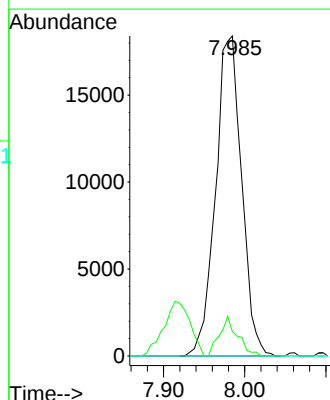
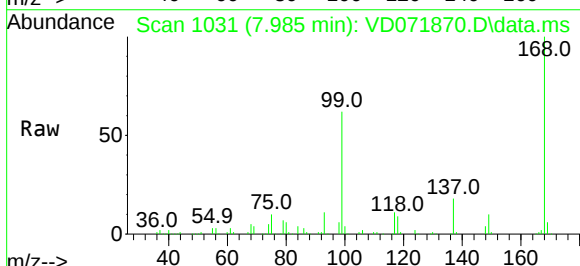
Tgt Ion: 75 Resp: 41042

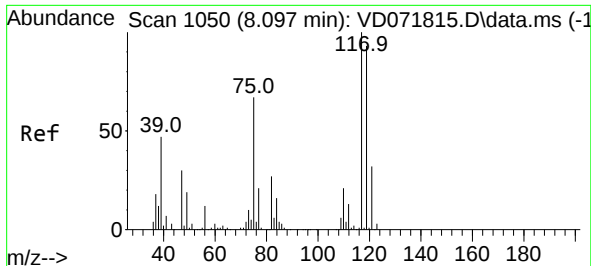
Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.1#

77 0.0 24.2 36.2#

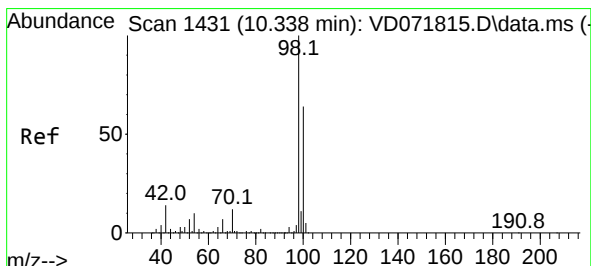
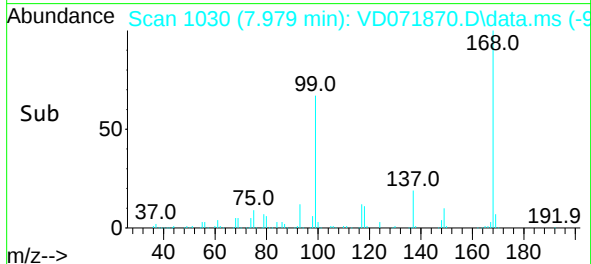
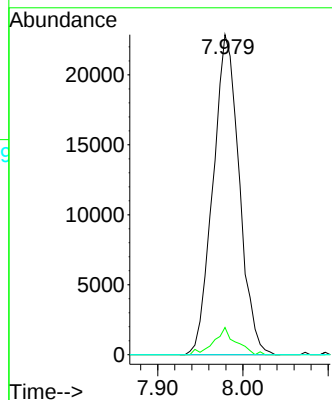
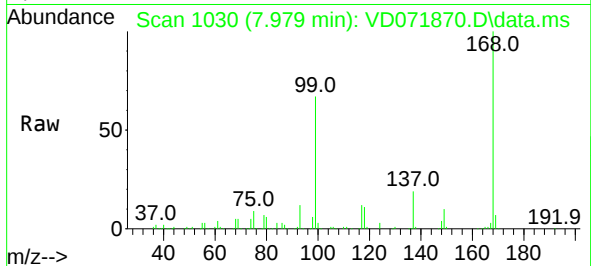




#38  
Carbon Tetrachloride  
Concen: 5.287 ug/l  
RT: 7.979 min Scan# 1050  
Delta R.T. -0.118 min  
Lab File: VD071870.D  
Acq: 01 Feb 2022 14:13

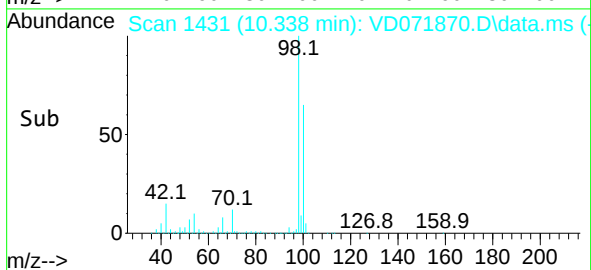
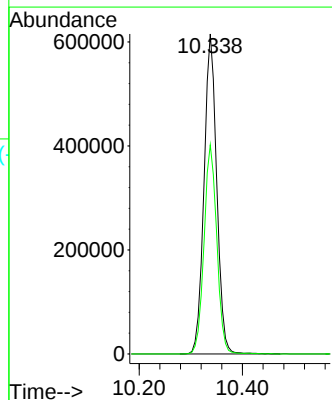
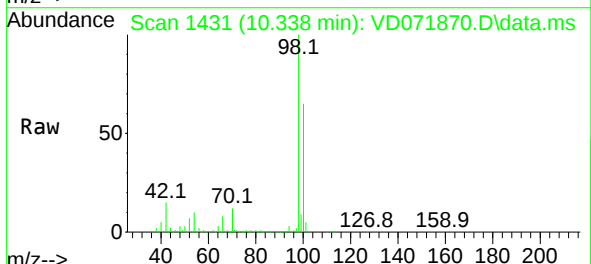
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-7(1.5-2)

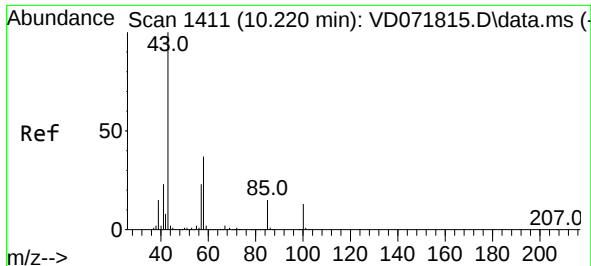
Tgt Ion:117 Resp: 48815  
Ion Ratio Lower Upper  
117 100  
119 8.5 75.8 113.6#  
121 0.0 24.5 36.7#



#50  
Toluene-d8  
Concen: 51.627 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD071870.D  
Acq: 01 Feb 2022 14:13

Tgt Ion: 98 Resp: 1048846  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.420 ug/l

RT: 10.344 min Scan# 1411

Delta R.T. 0.118 min

Lab File: VD071870.D

Acq: 01 Feb 2022 14:13

Instrument :

MSVOA\_D

ClientSampleId :

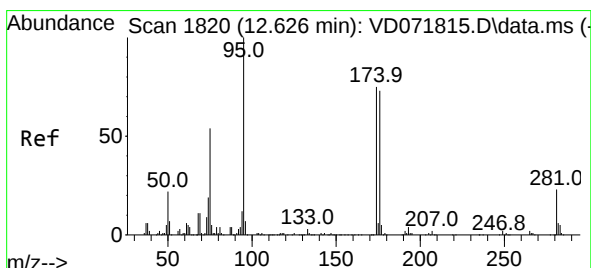
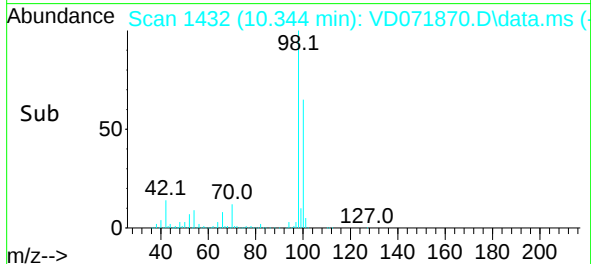
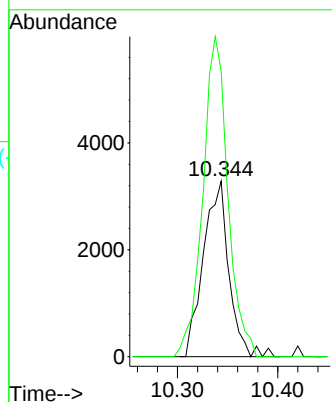
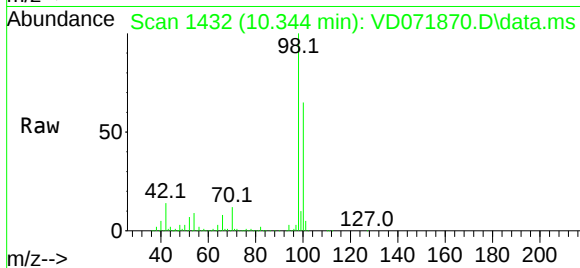
SB-7(1.5-2)

Tgt Ion: 43 Resp: 5797

Ion Ratio Lower Upper

43 100

58 179.6 28.6 43.0#



#62

4-Bromofluorobenzene

Concen: 44.734 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.000 min

Lab File: VD071870.D

Acq: 01 Feb 2022 14:13

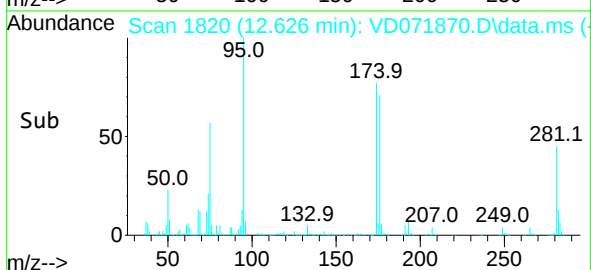
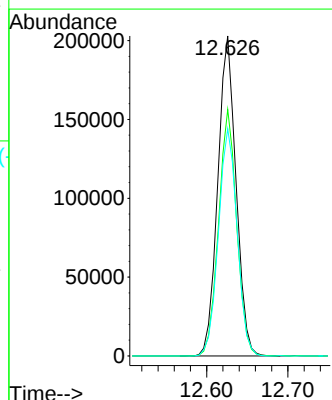
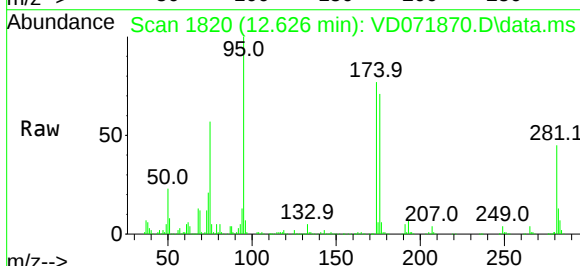
Tgt Ion: 95 Resp: 317367

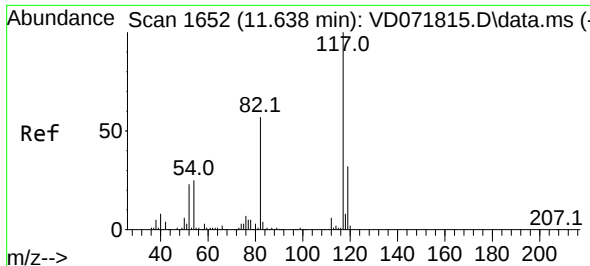
Ion Ratio Lower Upper

95 100

174 76.3 0.0 152.8

176 72.5 0.0 145.4

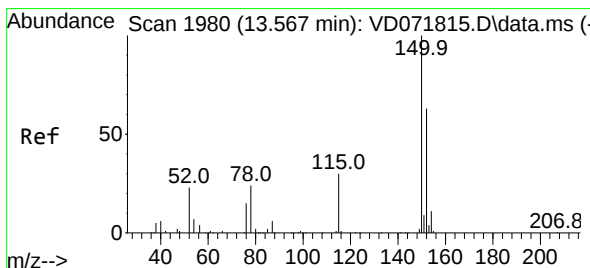
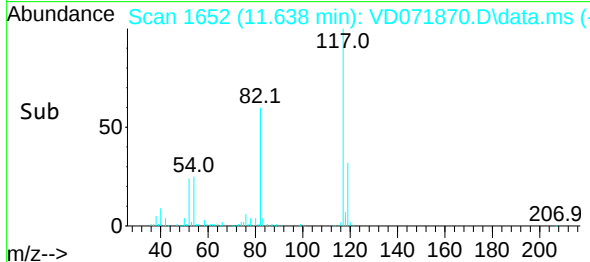
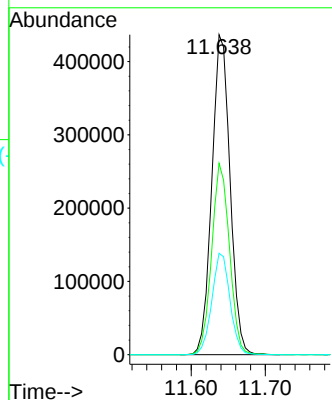
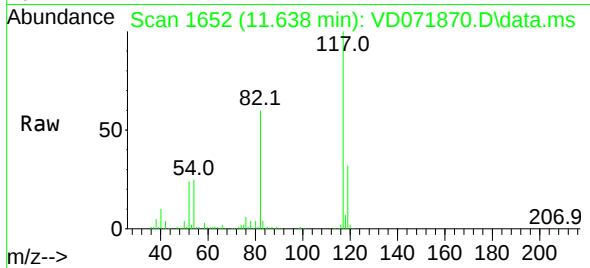




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VD071870.D  
Acq: 01 Feb 2022 14:13

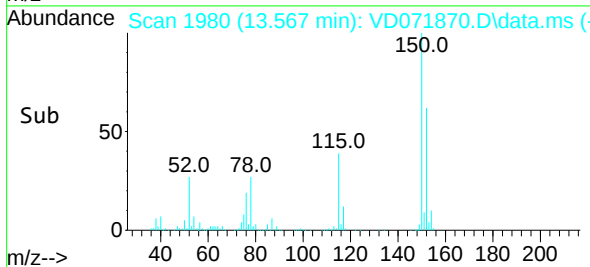
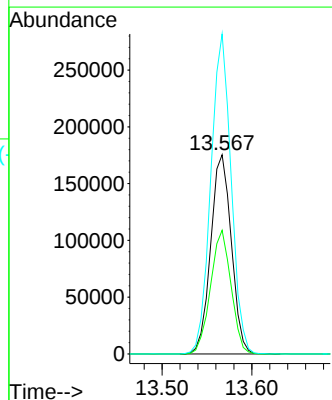
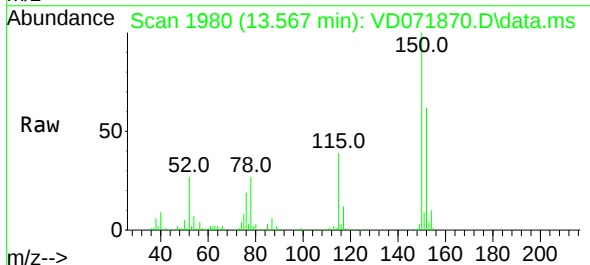
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-7(1.5-2)

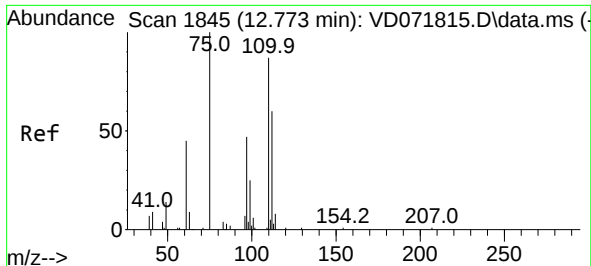
Tgt Ion:117 Resp: 744737  
Ion Ratio Lower Upper  
117 100  
82 59.8 45.3 67.9  
119 31.7 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD071870.D  
Acq: 01 Feb 2022 14:13

Tgt Ion:152 Resp: 280087  
Ion Ratio Lower Upper  
152 100  
115 61.6 31.3 93.8  
150 157.8 0.0 348.6

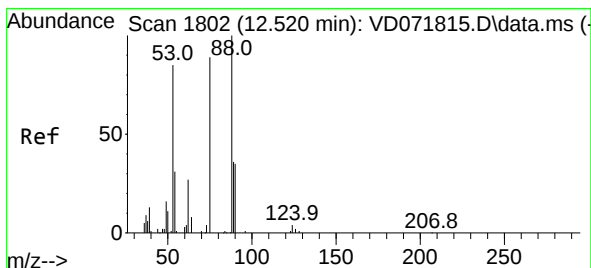
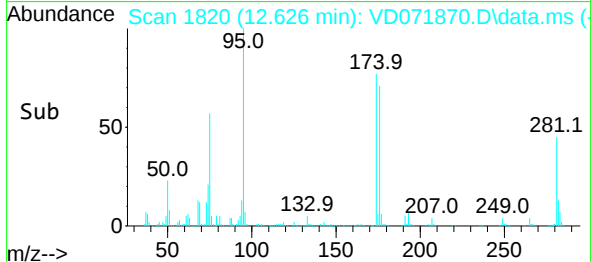
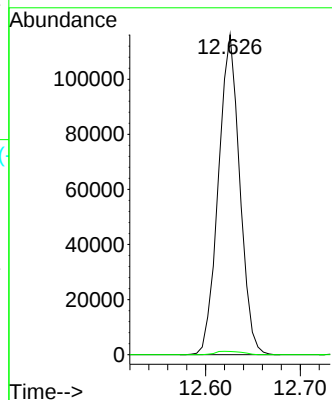
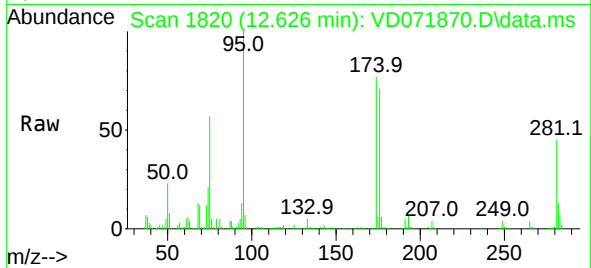




#76  
1,2,3-Trichloropropane  
Concen: 61.666 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD071870.D  
Acq: 01 Feb 2022 14:13

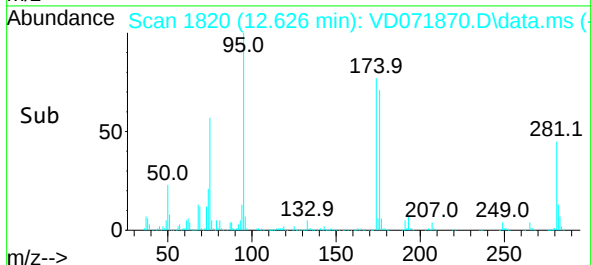
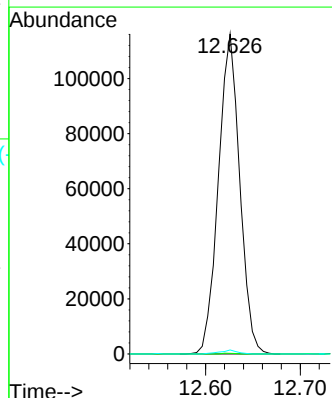
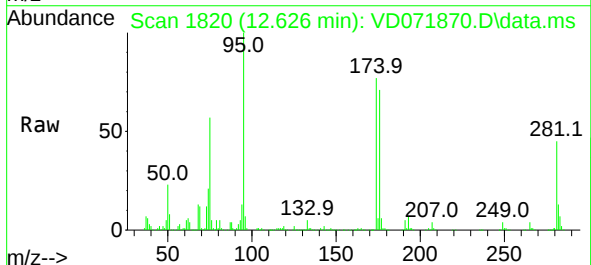
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-7(1.5-2)

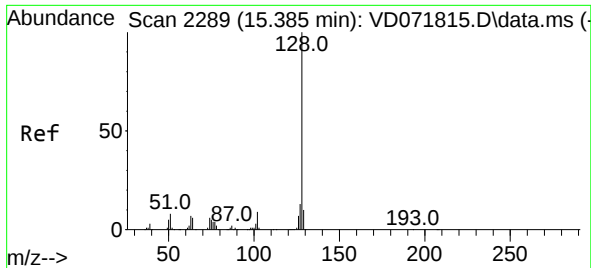
Tgt Ion: 75 Resp: 182023  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 151.622 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD071870.D  
Acq: 01 Feb 2022 14:13

Tgt Ion: 75 Resp: 182023  
Ion Ratio Lower Upper  
75 100  
53 0.1 86.5 129.7#  
89 1.0 33.9 50.9#





#95  
Naphthalene  
Concen: 1.476 ug/l  
RT: 15.390 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD071870.D  
Acq: 01 Feb 2022 14:13

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-7(1.5-2)

Tgt Ion:128 Resp: 225  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.4 12.6#

