

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD070122\  
 Data File : VD073766.D  
 Acq On : 01 Jul 2022 16:07  
 Operator : VA/SY  
 Sample : N3562-03  
 Misc : 4.48G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-8A

Quant Time: Jul 05 05:08:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D063022S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 05 04:59:39 2022  
 Response via : Initial Calibration

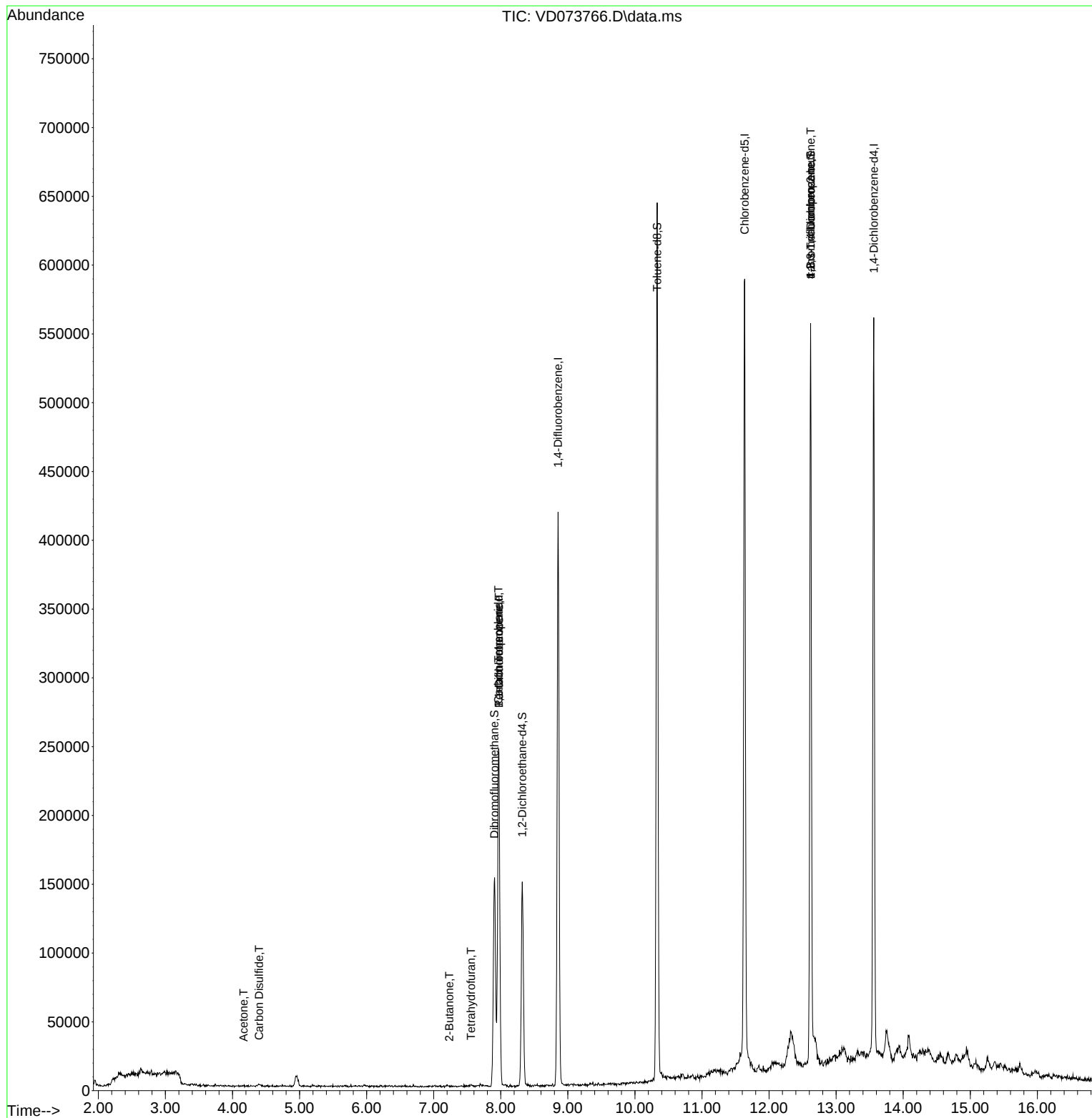
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.973          | 168  | 168415              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.855          | 114  | 344291              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 308514              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561         | 152  | 130779              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.320          | 65   | 113148              | 68.869    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 137.740% |           |        |          |
| 35) Dibromofluoromethane      | 7.903          | 113  | 108898              | 58.224    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 116.440% |           |        |          |
| 50) Toluene-d8                | 10.332         | 98   | 425459              | 62.013    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 124.020% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.620         | 95   | 146559              | 54.161    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 108.320% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
| 5) Bromomethane               | 2.744          | 94   | 295                 | Below Cal | #      | 17       |
| 16) Acetone                   | 4.167          | 43   | 918                 | 2.686     | ug/l # | 43       |
| 17) Carbon Disulfide          | 4.397          | 76   | 2721                | 1.256     | ug/l # | 74       |
| 18) Methyl Acetate            | 4.732          | 43   | 65                  | Below Cal | #      | 50       |
| 20) Methylene Chloride        | 4.956          | 84   | 5253                | Below Cal | #      | 80       |
| 25) 2-Butanone                | 7.232          | 43   | 789                 | 1.406     | ug/l # | 47       |
| 29) Tetrahydrofuran           | 7.555          | 42   | 857                 | 2.415     | ug/l # | 58       |
| 31) Cyclohexane               | 7.967          | 56   | 4998                | Below Cal | #      | 9        |
| 36) 1,1-Dichloropropene       | 7.973          | 75   | 16258               | 6.261     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.967          | 117  | 19922               | 7.145     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.620         | 75   | 80329               | 64.273    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.620         | 75   | 80329               | 123.991   | ug/l # | 12       |
| -----                         |                |      |                     |           |        |          |

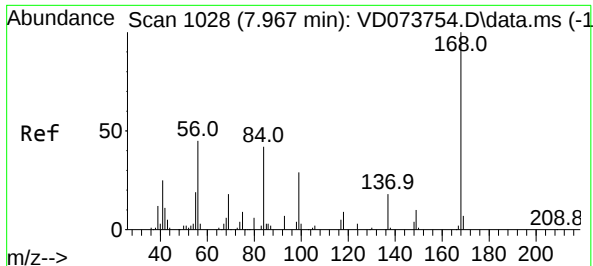
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD070122\  
Data File : VD073766.D  
Acq On : 01 Jul 2022 16:07  
Operator : VA/SY  
Sample : N3562-03  
Misc : 4.48G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-8A

Quant Time: Jul 05 05:08:40 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D063022S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 05 04:59:39 2022  
Response via : Initial Calibration

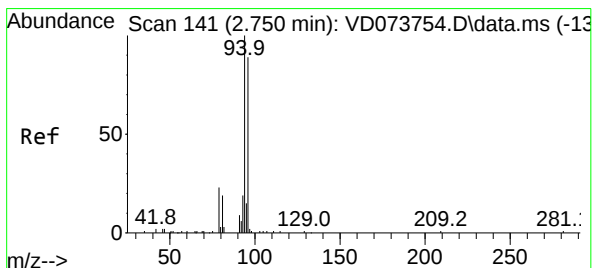
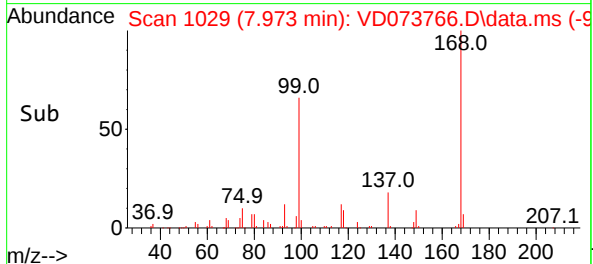
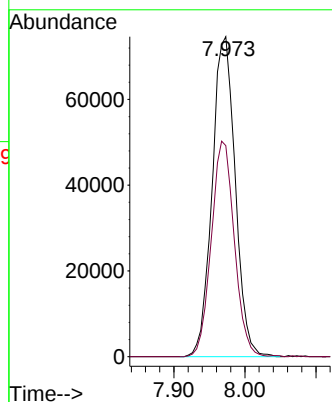
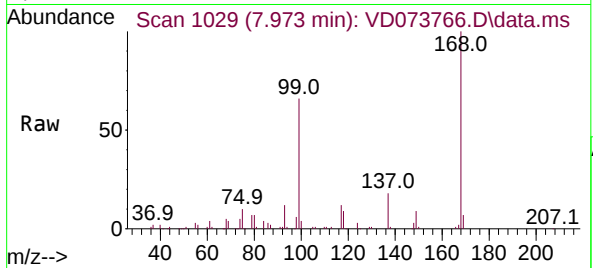




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1028  
Delta R.T. 0.006 min  
Lab File: VD073766.D  
Acq: 01 Jul 2022 16:07

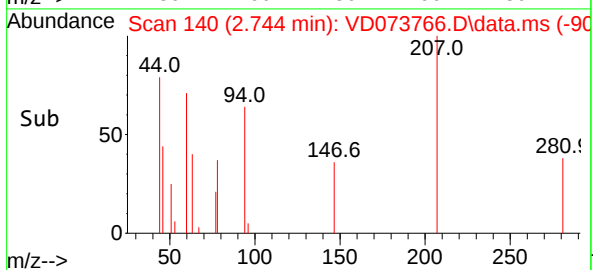
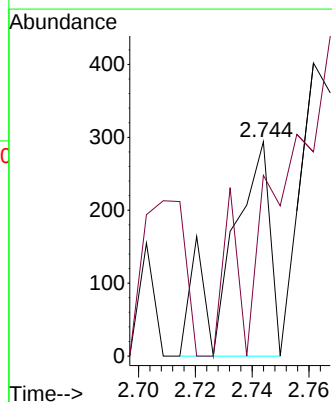
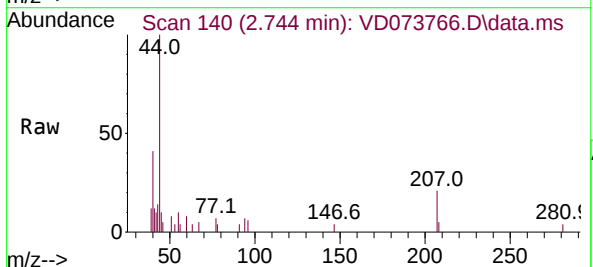
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-8A

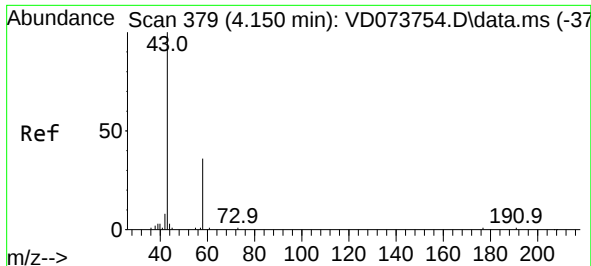
Tgt Ion:168 Resp: 168415  
Ion Ratio Lower Upper  
168 100  
99 66.0 46.4 69.6



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.744 min Scan# 140  
Delta R.T. -0.006 min  
Lab File: VD073766.D  
Acq: 01 Jul 2022 16:07

Tgt Ion: 94 Resp: 295  
Ion Ratio Lower Upper  
94 100  
96 14.3 75.1 112.7#

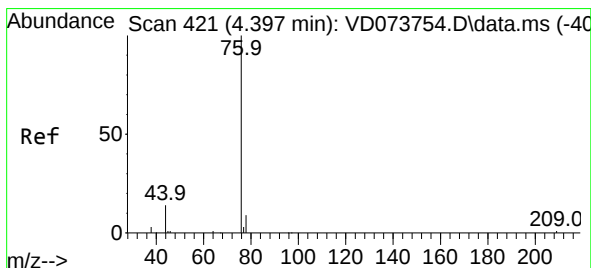
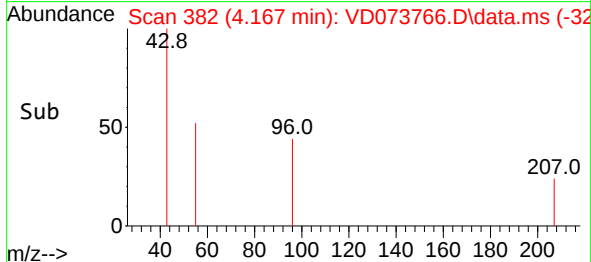
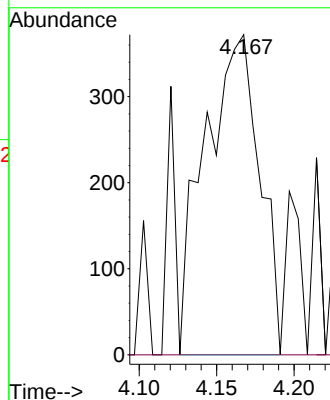
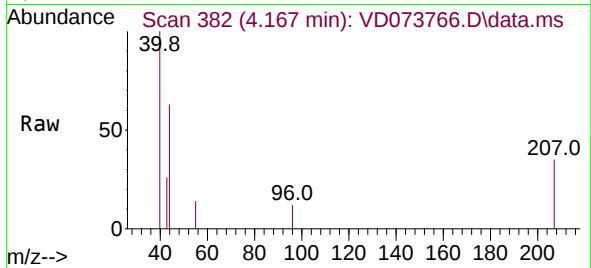




#16  
Acetone  
Concen: 2.686 ug/l  
RT: 4.167 min Scan# 31  
Delta R.T. 0.018 min  
Lab File: VD073766.D  
Acq: 01 Jul 2022 16:07

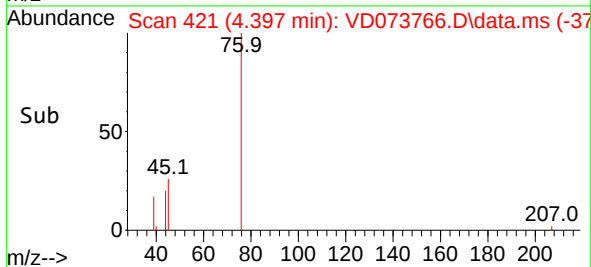
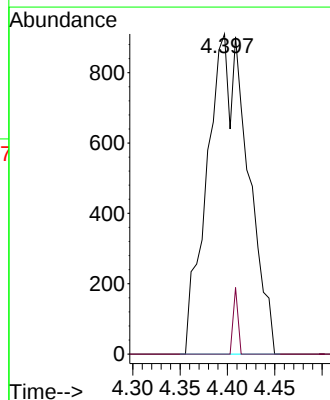
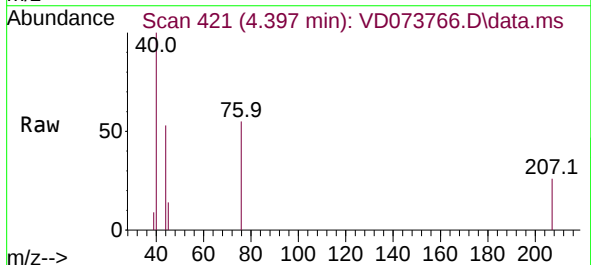
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-8A

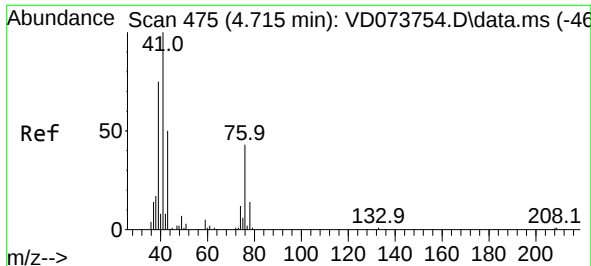
Tgt Ion: 43 Resp: 918  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.2 37.8#



#17  
Carbon Disulfide  
Concen: 1.256 ug/l  
RT: 4.397 min Scan# 421  
Delta R.T. -0.000 min  
Lab File: VD073766.D  
Acq: 01 Jul 2022 16:07

Tgt Ion: 76 Resp: 2721  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.7 11.5#

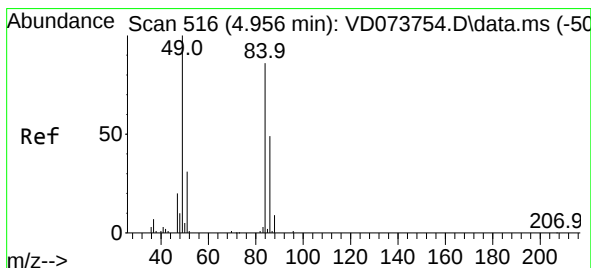
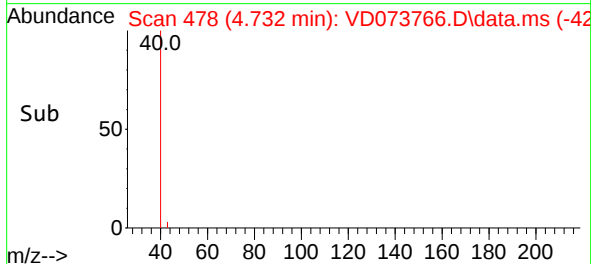
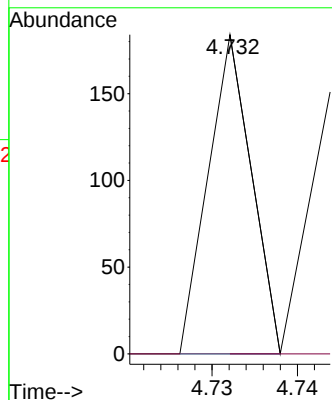
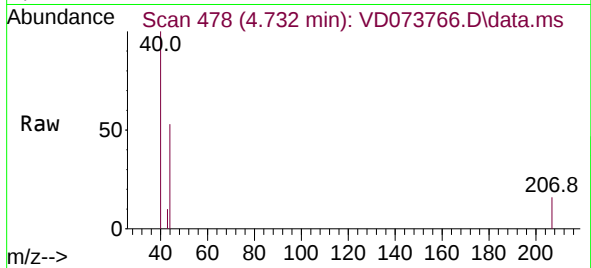




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.732 min Scan# 41  
Delta R.T. 0.017 min  
Lab File: VD073766.D  
Acq: 01 Jul 2022 16:07

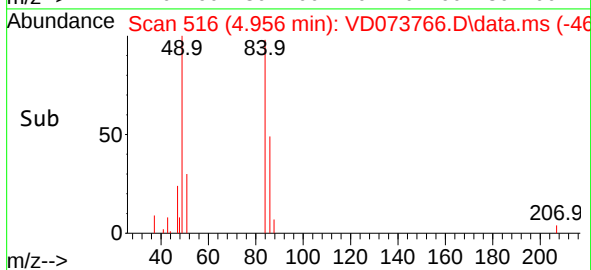
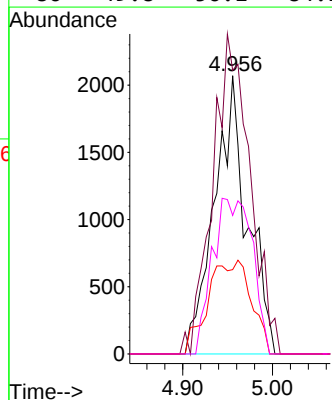
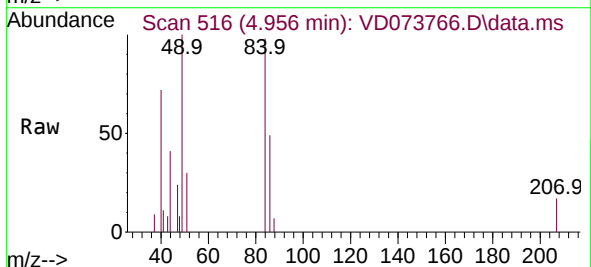
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-8A

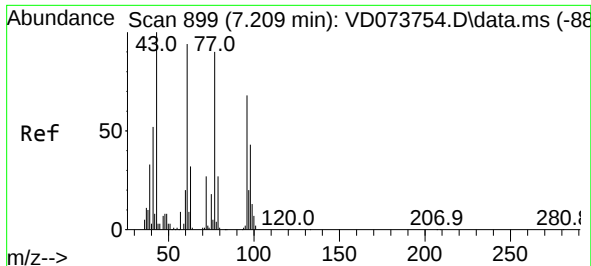
Tgt Ion: 43 Resp: 65  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.2 30.4#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.956 min Scan# 516  
Delta R.T. -0.000 min  
Lab File: VD073766.D  
Acq: 01 Jul 2022 16:07

Tgt Ion: 84 Resp: 5253  
Ion Ratio Lower Upper  
84 100  
49 102.0 100.6 150.8  
51 30.3 29.8 44.6  
86 49.8 56.1 84.1#





#25

2-Butanone

Concen: 1.406 ug/l

RT: 7.232 min Scan# 903

Delta R.T. 0.023 min

Lab File: VD073766.D

Acq: 01 Jul 2022 16:07

Instrument :

MSVOA\_D

ClientSampleId :

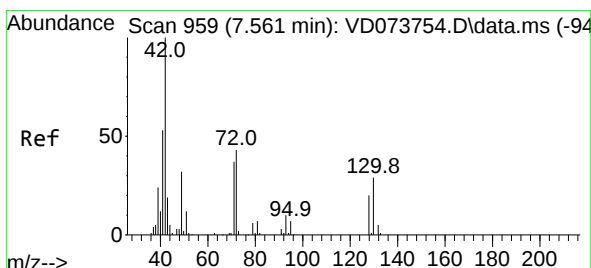
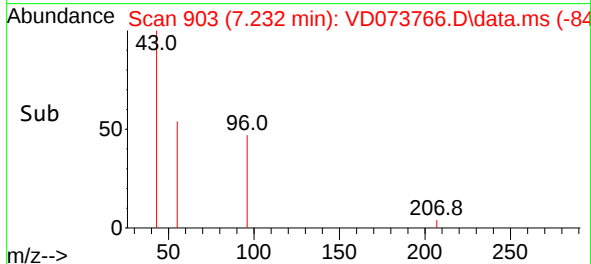
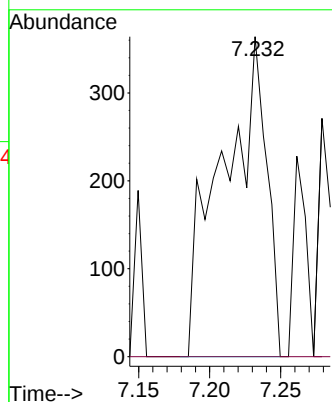
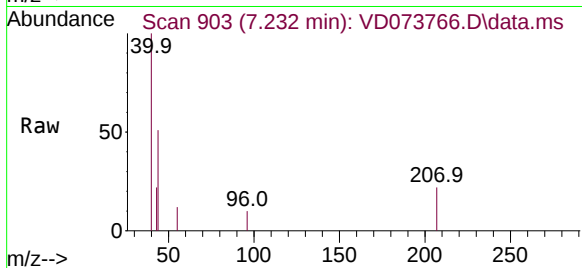
SB-8A

Tgt Ion: 43 Resp: 789

Ion Ratio Lower Upper

43 100

72 0.0 22.6 33.8#



#29

Tetrahydrofuran

Concen: 2.415 ug/l

RT: 7.555 min Scan# 958

Delta R.T. -0.006 min

Lab File: VD073766.D

Acq: 01 Jul 2022 16:07

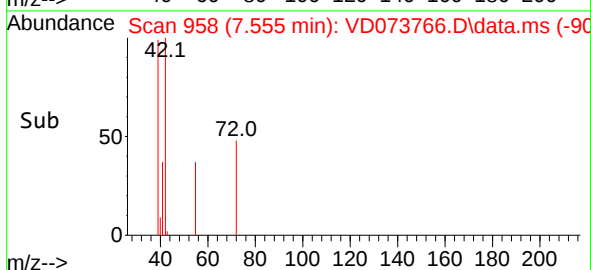
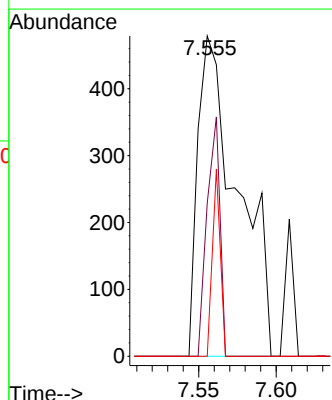
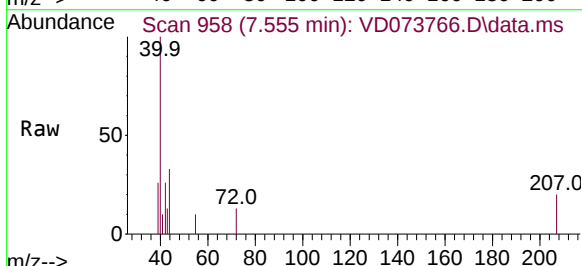
Tgt Ion: 42 Resp: 857

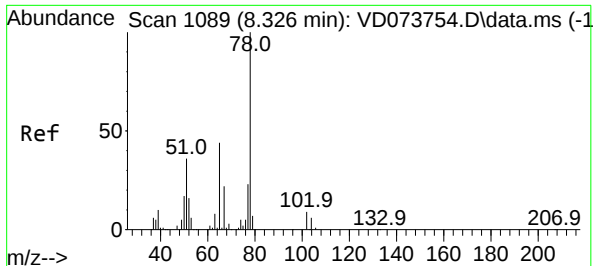
Ion Ratio Lower Upper

42 100

72 24.2 37.8 56.6#

71 11.6 35.5 53.3#





#33

1,2-Dichloroethane-d4

Concen: 68.869 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD073766.D

Acq: 01 Jul 2022 16:07

Instrument :

MSVOA\_D

ClientSampleId :

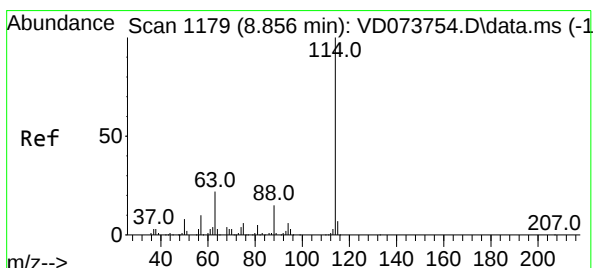
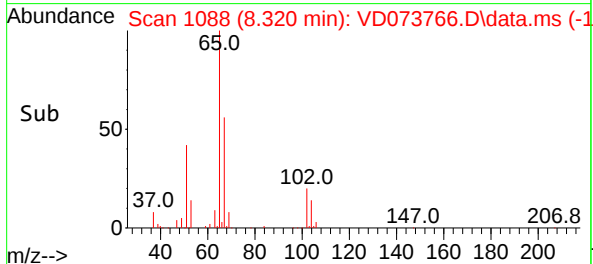
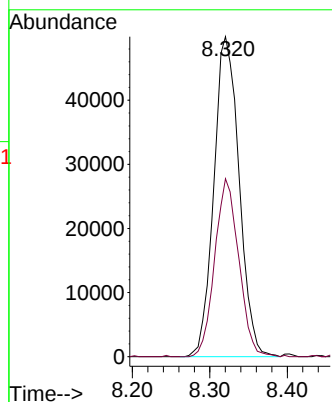
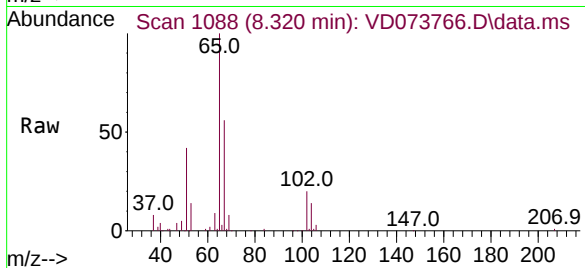
SB-8A

Tgt Ion: 65 Resp: 113148

Ion Ratio Lower Upper

65 100

67 52.8 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: VD073766.D

Acq: 01 Jul 2022 16:07

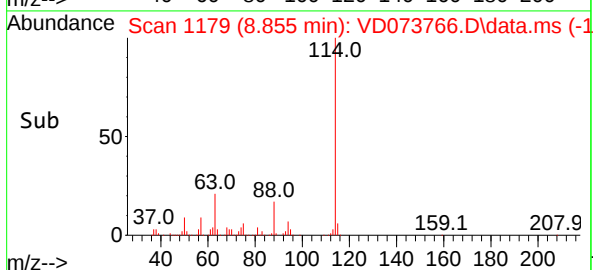
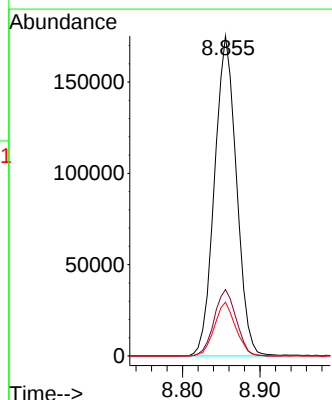
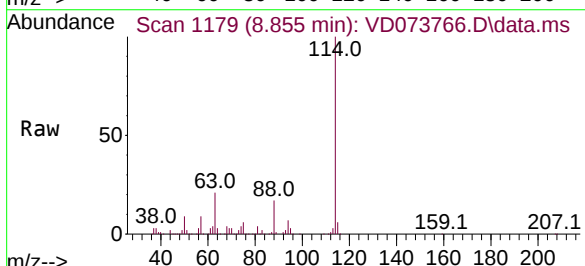
Tgt Ion: 114 Resp: 344291

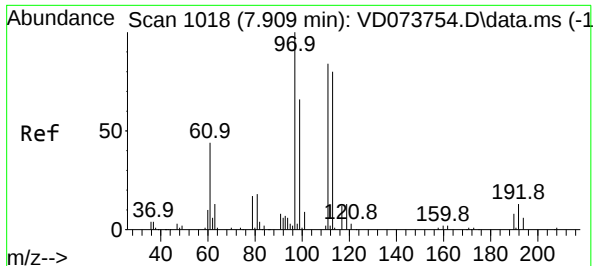
Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.2

88 16.8 0.0 29.4





#35

Dibromofluoromethane

Concen: 58.224 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073766.D

Acq: 01 Jul 2022 16:07

Instrument :

MSVOA\_D

ClientSampleId :

SB-8A

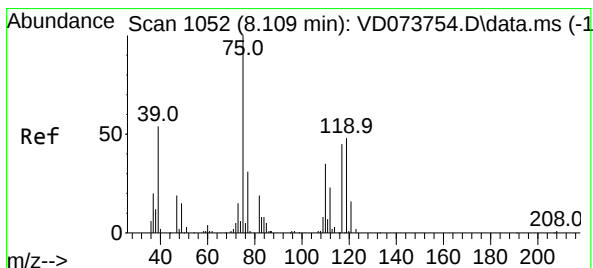
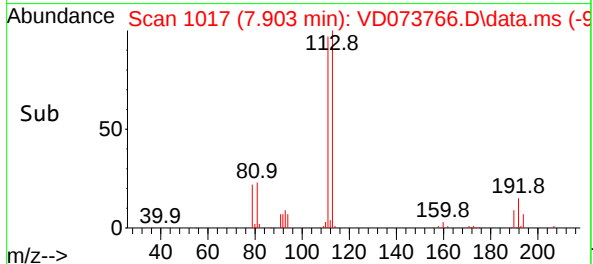
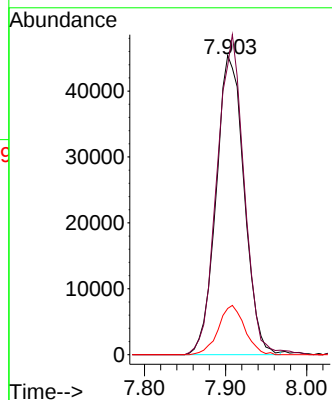
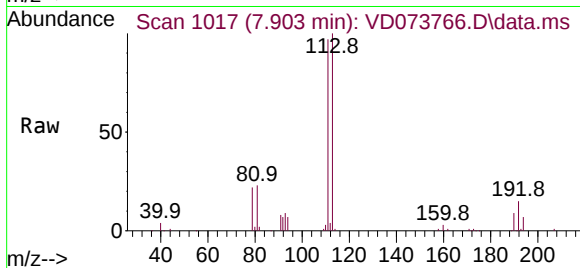
Tgt Ion:113 Resp: 108898

Ion Ratio Lower Upper

113 100

111 103.9 81.8 122.6

192 15.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 6.261 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073766.D

Acq: 01 Jul 2022 16:07

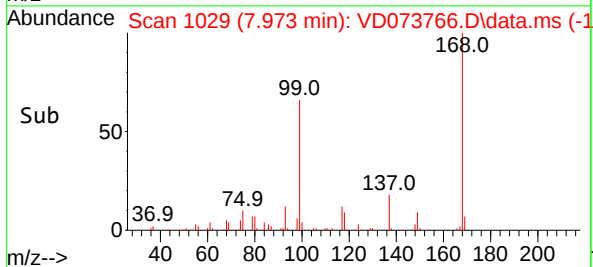
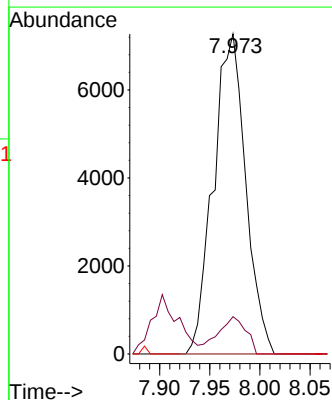
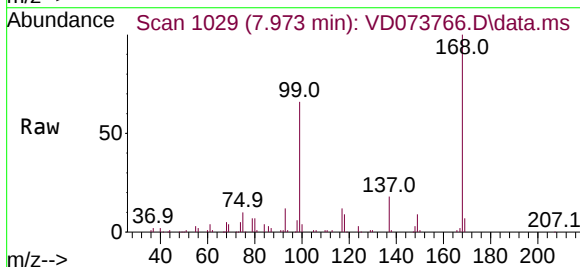
Tgt Ion: 75 Resp: 16258

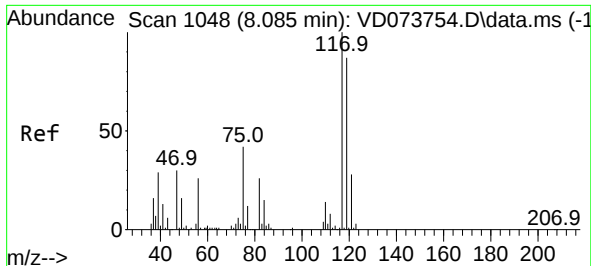
Ion Ratio Lower Upper

75 100

110 10.3 18.0 54.0#

77 0.0 25.6 38.4#

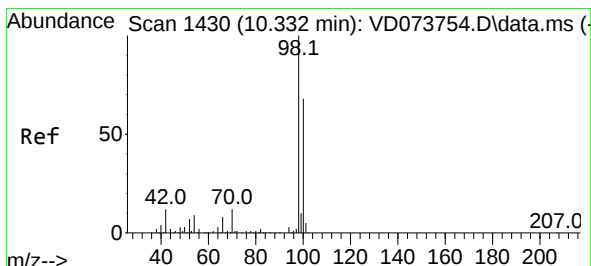
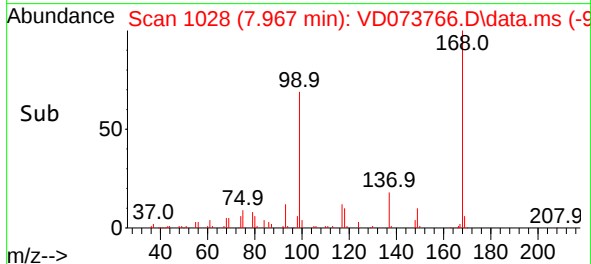
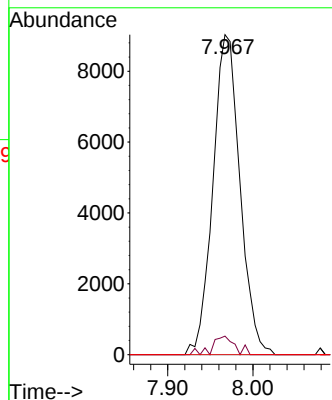
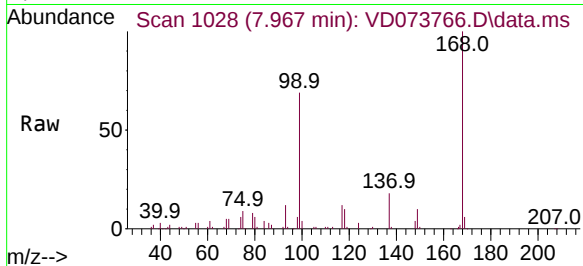




#38  
Carbon Tetrachloride  
Concen: 7.145 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.118 min  
Lab File: VD073766.D  
Acq: 01 Jul 2022 16:07

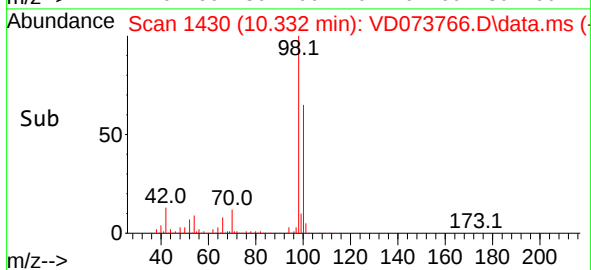
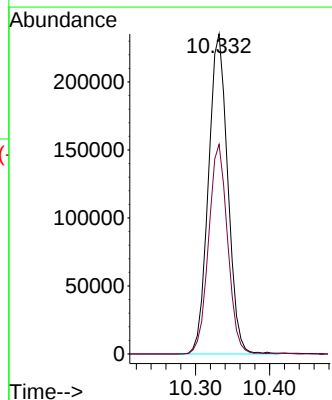
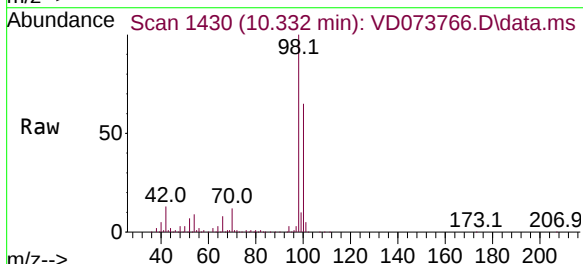
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-8A

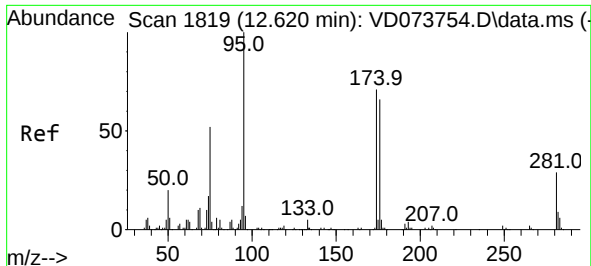
Tgt Ion:117 Resp: 19922  
Ion Ratio Lower Upper  
117 100  
119 5.8 79.2 118.8#  
121 0.0 23.8 35.8#



#50  
Toluene-d8  
Concen: 62.013 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD073766.D  
Acq: 01 Jul 2022 16:07

Tgt Ion: 98 Resp: 425459  
Ion Ratio Lower Upper  
98 100  
100 64.3 54.0 81.0

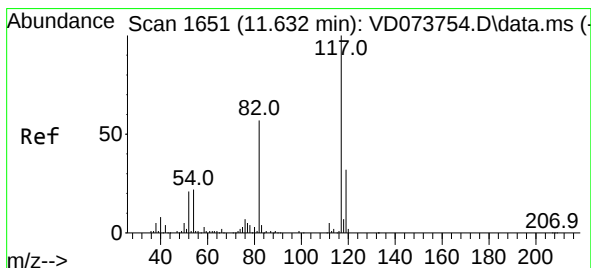
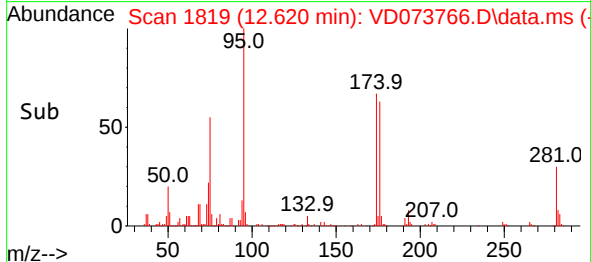
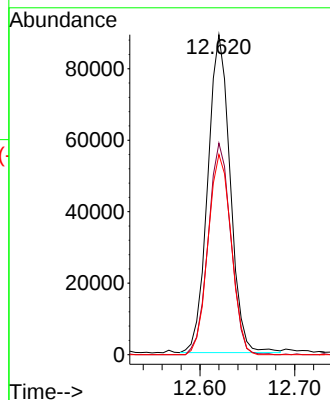
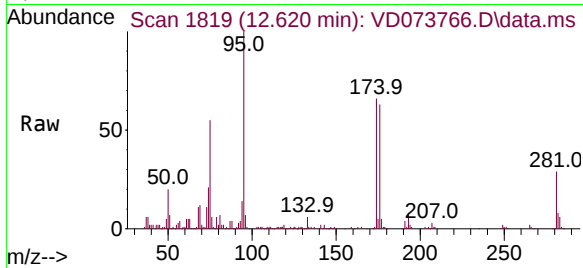




#62  
4-Bromofluorobenzene  
Concen: 54.161 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073766.D  
Acq: 01 Jul 2022 16:07

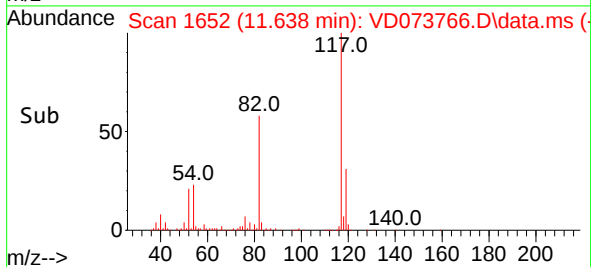
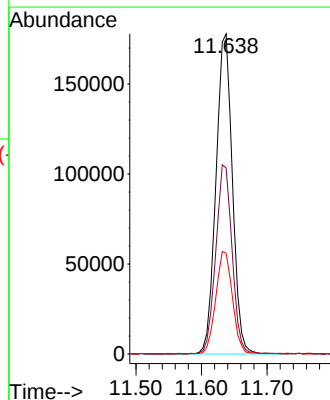
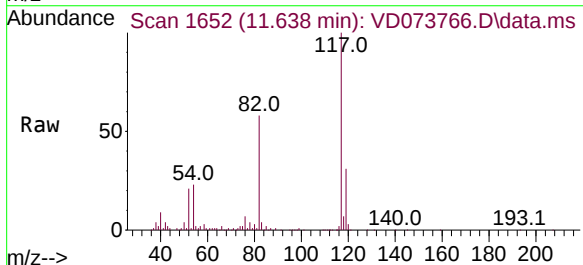
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-8A

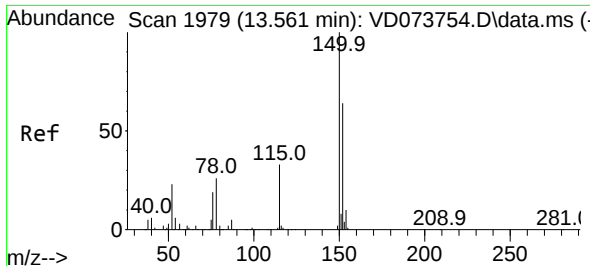
Tgt Ion: 95 Resp: 146559  
Ion Ratio Lower Upper  
95 100  
174 67.1 0.0 158.4  
176 65.0 0.0 154.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.006 min  
Lab File: VD073766.D  
Acq: 01 Jul 2022 16:07

Tgt Ion: 117 Resp: 308514  
Ion Ratio Lower Upper  
117 100  
82 57.9 41.5 62.3  
119 31.3 27.1 40.7

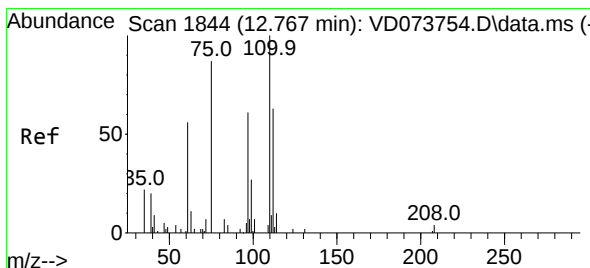
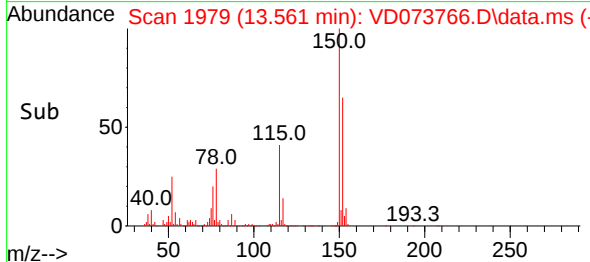
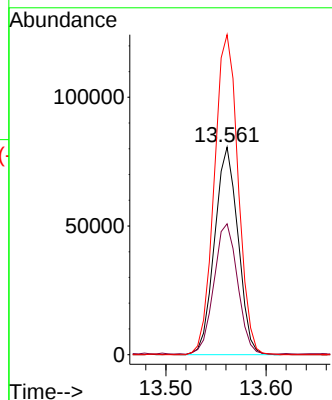
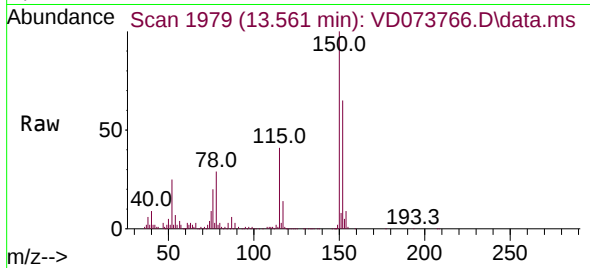




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. -0.000 min  
 Lab File: VD073766.D  
 Acq: 01 Jul 2022 16:07

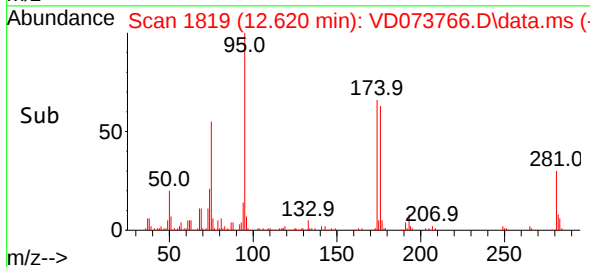
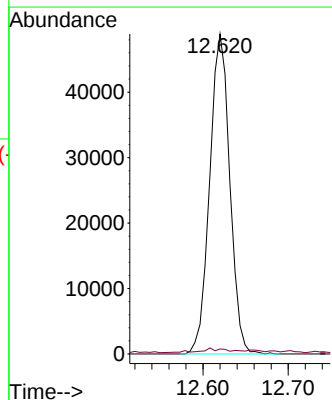
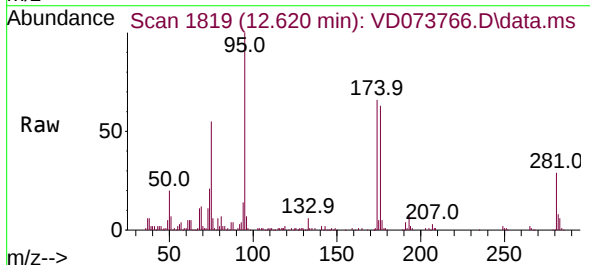
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-8A

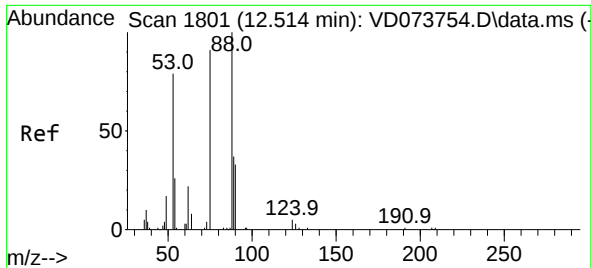
Tgt Ion:152 Resp: 130779  
 Ion Ratio Lower Upper  
 152 100  
 115 63.6 30.6 91.6  
 150 156.7 0.0 355.0



#76  
 1,2,3-Trichloropropane  
 Concen: 64.273 ug/l  
 RT: 12.620 min Scan# 1819  
 Delta R.T. -0.147 min  
 Lab File: VD073766.D  
 Acq: 01 Jul 2022 16:07

Tgt Ion: 75 Resp: 80329  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 195.3 586.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 123.991 ug/l  
 RT: 12.620 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VD073766.D  
 Acq: 01 Jul 2022 16:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-8A

Tgt Ion: 75 Resp: 80329  
 Ion Ratio Lower Upper  
 75 100  
 53 0.7 77.0 115.6#  
 89 1.0 37.8 56.8#

