

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031622\  
 Data File : VD072232.D  
 Acq On : 16 Mar 2022 21:48  
 Operator : VA/SY  
 Sample : N1894-04  
 Misc : 4.75G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP4(0-7)

Quant Time: Mar 17 02:29:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 14 05:18:06 2022  
 Response via : Initial Calibration

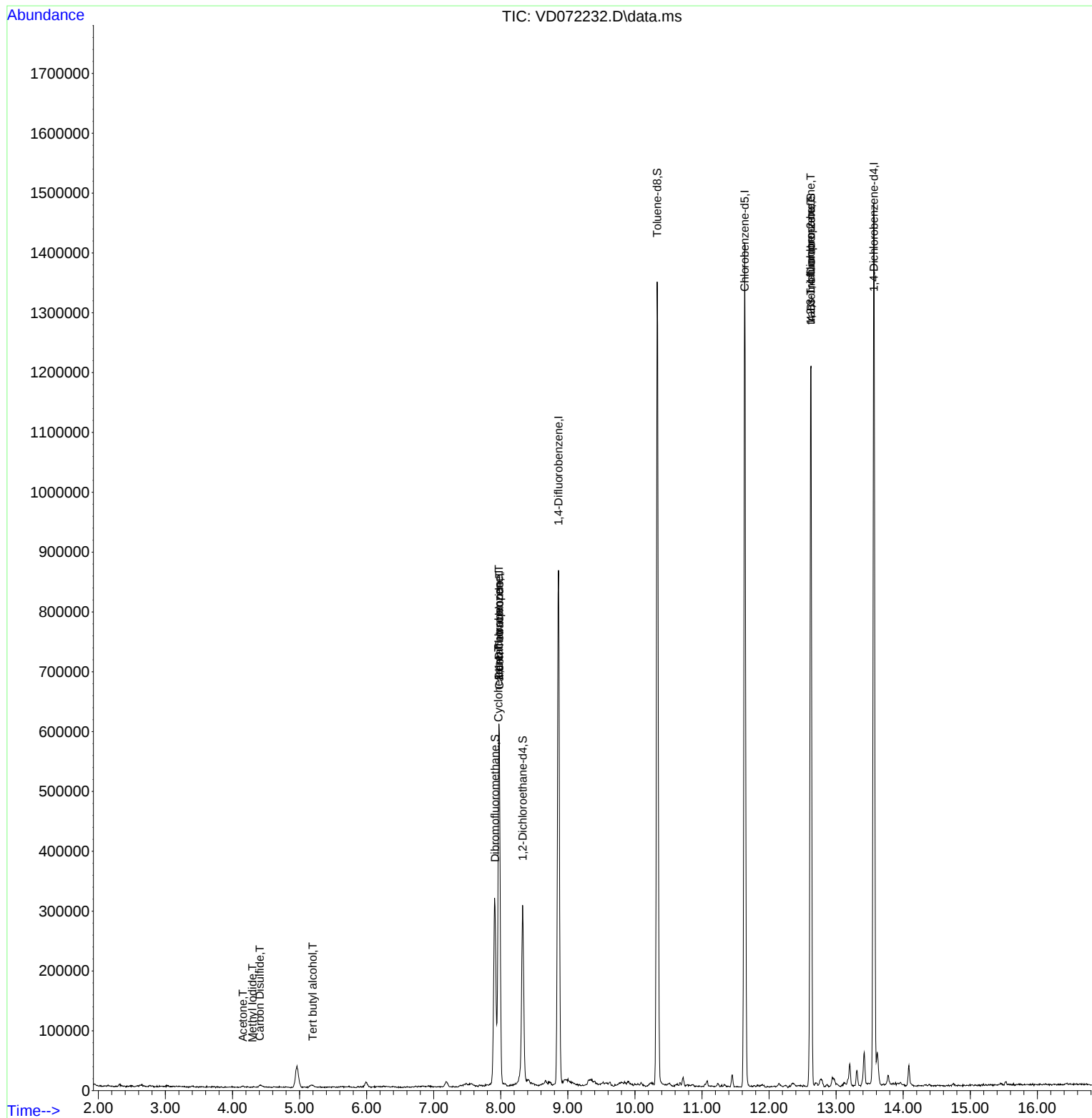
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.973  | 168   | 443446   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114   | 732491   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638 | 117   | 788786   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561 | 152   | 395776   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 224687   | 45.465    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 90.940%  |
| 35) Dibromofluoromethane      | 7.914  | 113   | 228428   | 44.315    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 88.640%  |
| 50) Toluene-d8                | 10.332 | 98    | 913998   | 48.494    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 96.980%  |
| 62) 4-Bromofluorobenzene      | 12.626 | 95    | 388310   | 53.023    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 106.040% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 10) Methyl Iodide             | 4.297  | 142   | 250      | 2.279     | ug/l # | 38       |
| 11) Tert butyl alcohol        | 5.197  | 59    | 2132     | 7.440     | ug/l # | 74       |
| 16) Acetone                   | 4.156  | 43    | 3310     | 3.085     | ug/l # | 77       |
| 17) Carbon Disulfide          | 4.409  | 76    | 4561     | 1.966     | ug/l # | 74       |
| 20) Methylene Chloride        | 4.962  | 84    | 26925    | Below Cal | #      | 78       |
| 31) Cyclohexane               | 7.967  | 56    | 10058    | 1.303     | ug/l # | 19       |
| 36) 1,1-Dichloropropene       | 7.973  | 75    | 35568    | 4.919     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.979  | 117   | 44727    | 5.441     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.620 | 75    | 198480   | 45.463    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620 | 75    | 198480   | 112.798   | ug/l # | 7        |
| -----                         |        |       |          |           |        |          |

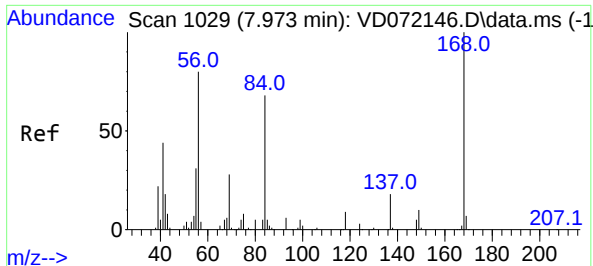
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
TP4(0-7)

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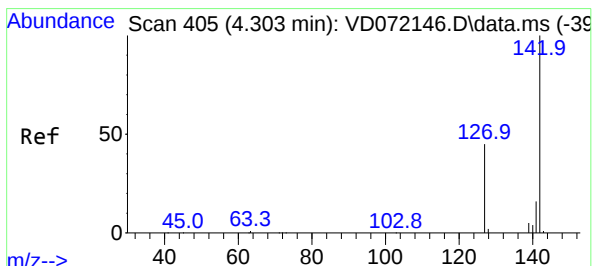
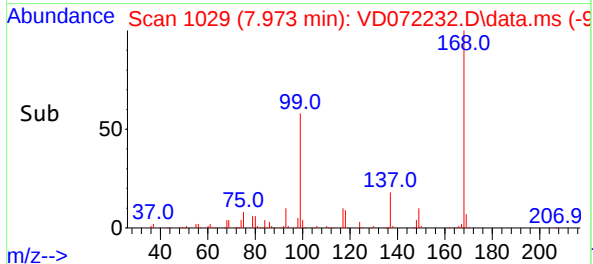
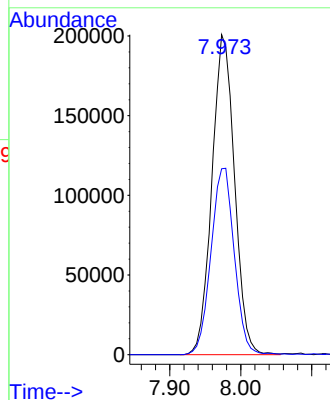
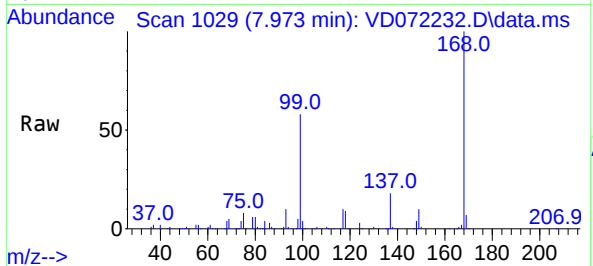




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

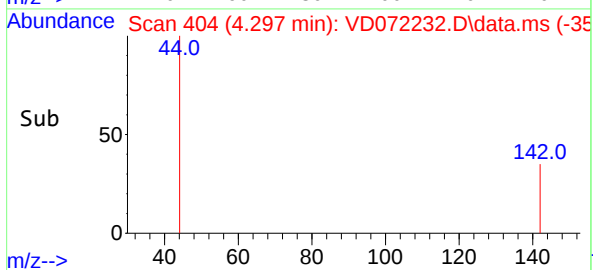
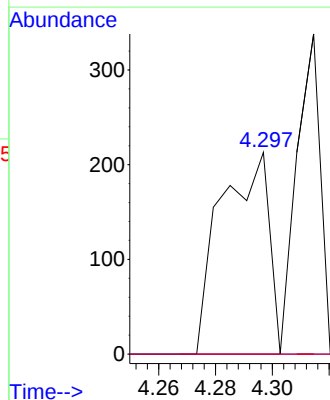
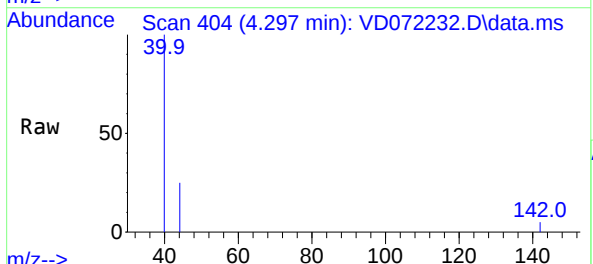
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP4(0-7)

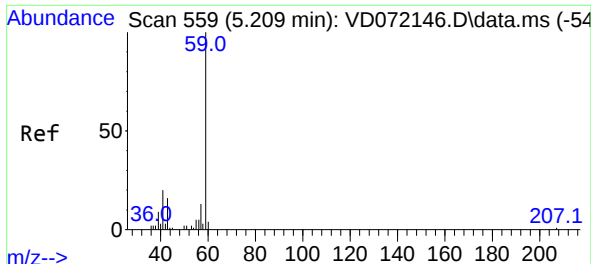
Tgt Ion:168 Resp: 443446  
Ion Ratio Lower Upper  
168 100  
99 58.1 49.8 74.6



#10  
Methyl Iodide  
Concen: 2.279 ug/l  
RT: 4.297 min Scan# 404  
Delta R.T. -0.006 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

Tgt Ion:142 Resp: 250  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.3 55.9#  
141 0.0 11.7 17.5#

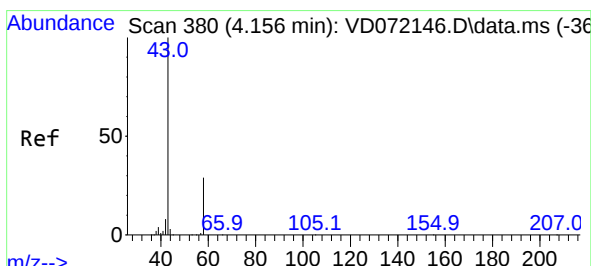
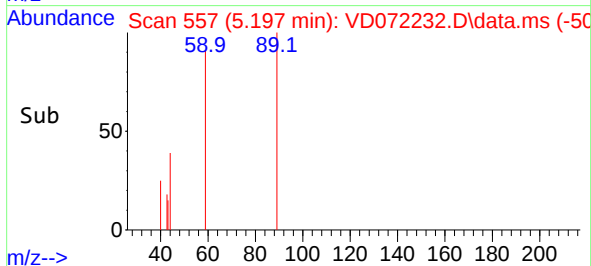
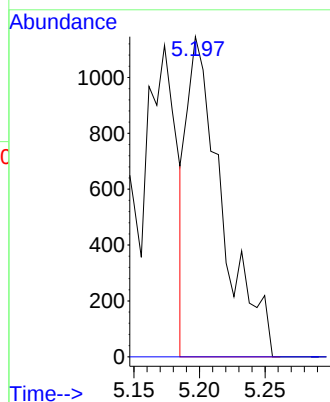
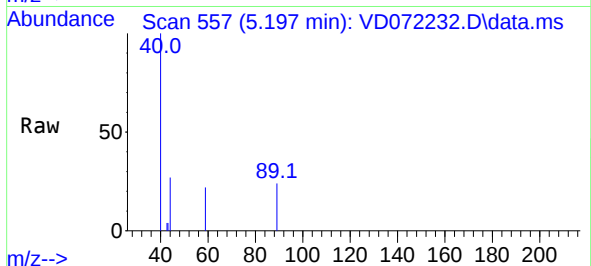




#11  
Tert butyl alcohol  
Concen: 7.440 ug/l  
RT: 5.197 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

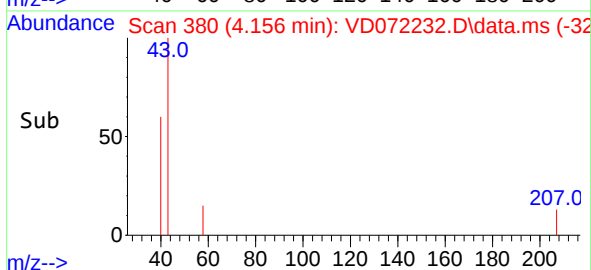
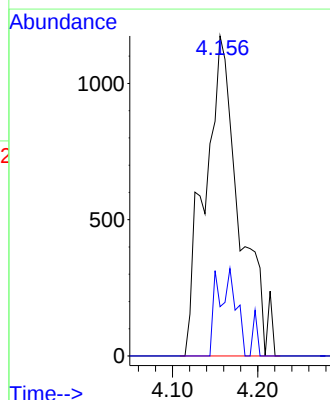
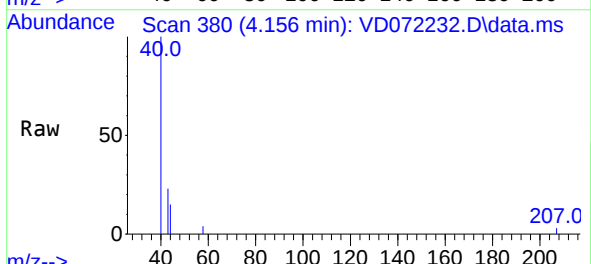
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP4(0-7)

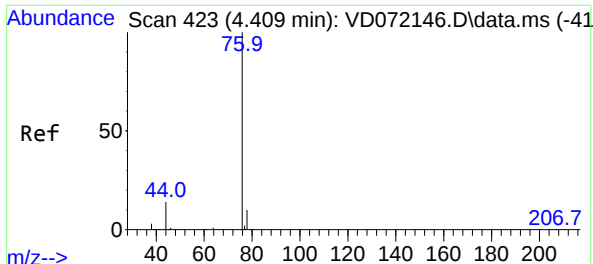
Tgt Ion: 59 Resp: 2132  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#



#16  
Acetone  
Concen: 3.085 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

Tgt Ion: 43 Resp: 3310  
Ion Ratio Lower Upper  
43 100  
58 15.4 22.1 33.1#

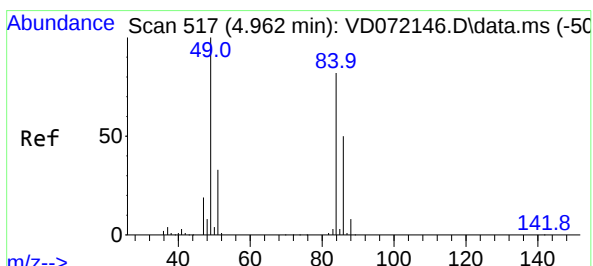
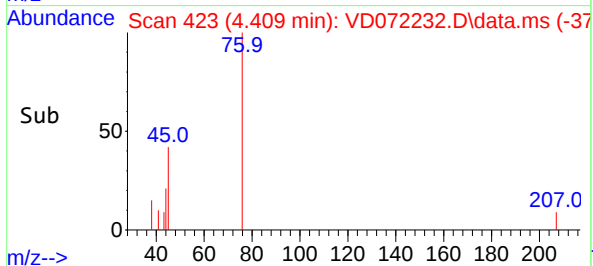
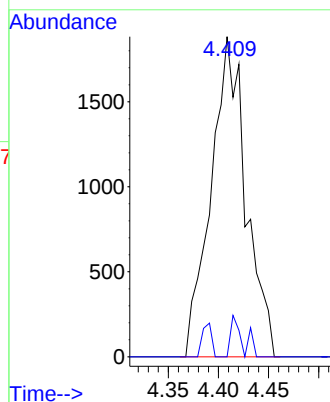
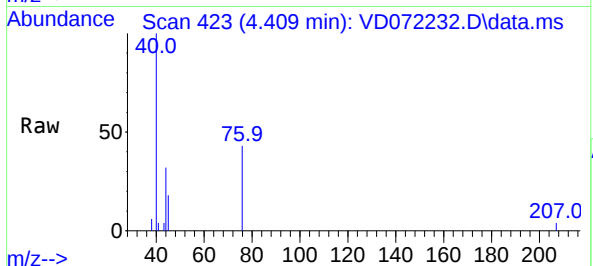




#17  
Carbon Disulfide  
Concen: 1.966 ug/l  
RT: 4.409 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

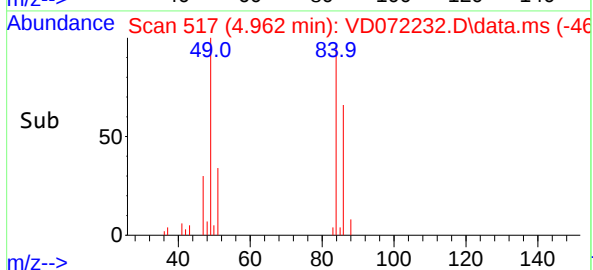
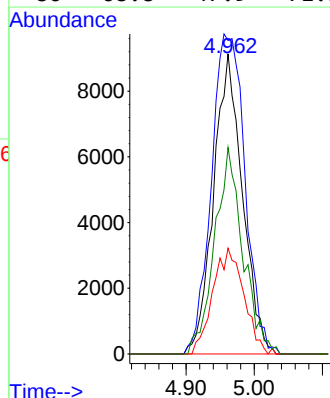
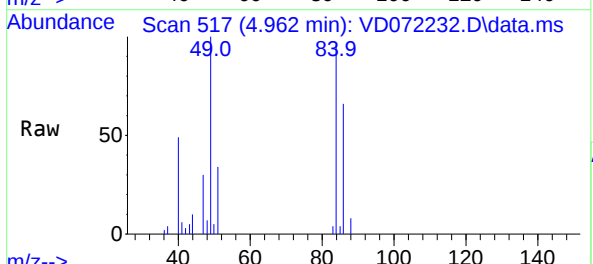
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP4(0-7)

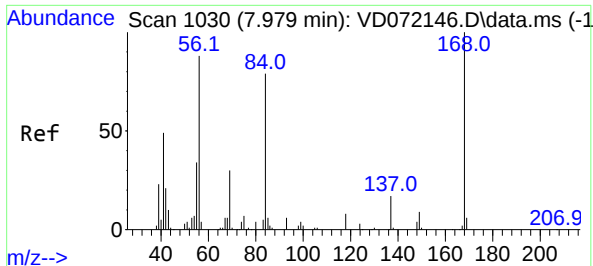
Tgt Ion: 76 Resp: 4561  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.5 11.3#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.962 min Scan# 517  
Delta R.T. -0.000 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

Tgt Ion: 84 Resp: 26925  
Ion Ratio Lower Upper  
84 100  
49 104.5 112.8 169.2#  
51 35.3 32.6 48.8  
86 68.8 47.9 71.9

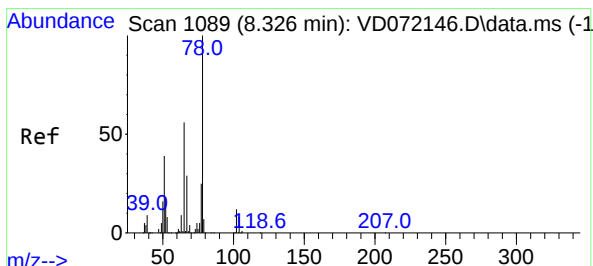
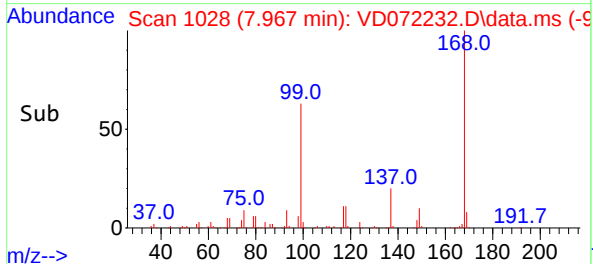
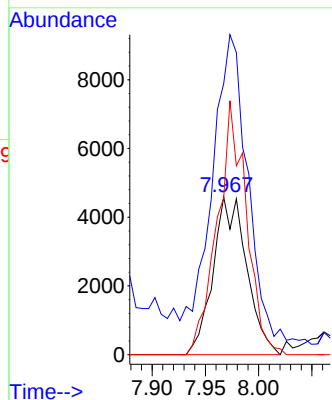
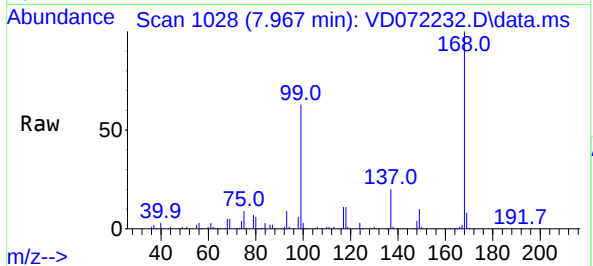




#31  
Cyclohexane  
Concen: 1.303 ug/l  
RT: 7.967 min Scan# 1030  
Delta R.T. -0.012 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

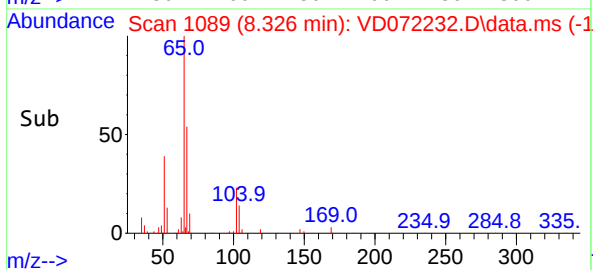
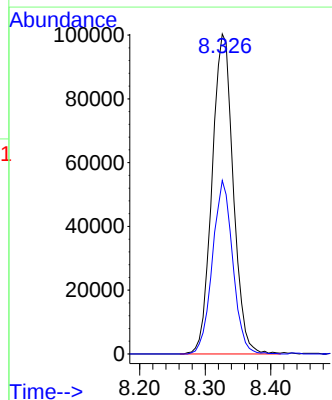
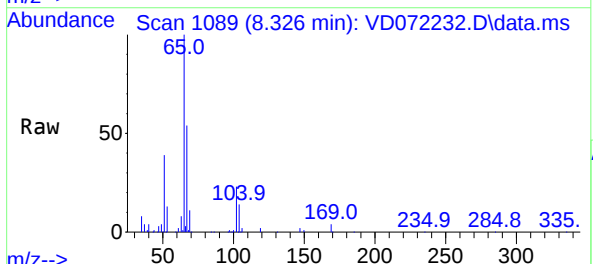
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP4(0-7)

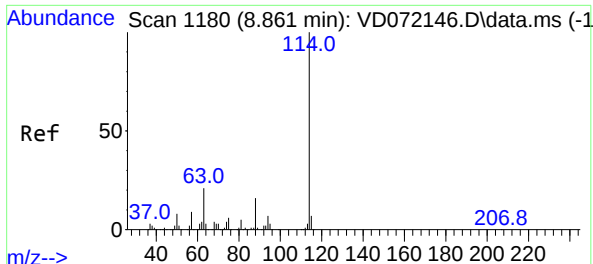
Tgt Ion: 56 Resp: 10058  
Ion Ratio Lower Upper  
56 100  
69 155.8 25.4 38.2#  
84 99.5 63.0 94.4#



#33  
1,2-Dichloroethane-d4  
Concen: 45.465 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

Tgt Ion: 65 Resp: 224687  
Ion Ratio Lower Upper  
65 100  
67 52.1 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: VD072232.D

Acq: 16 Mar 2022 21:48

Instrument :

MSVOA\_D

ClientSampleId :

TP4(0-7)

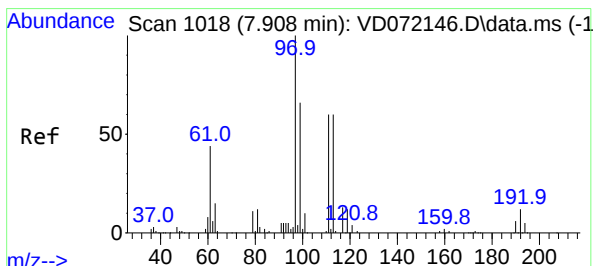
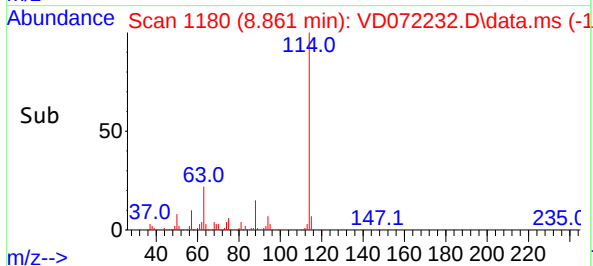
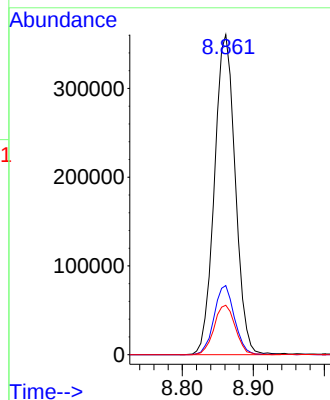
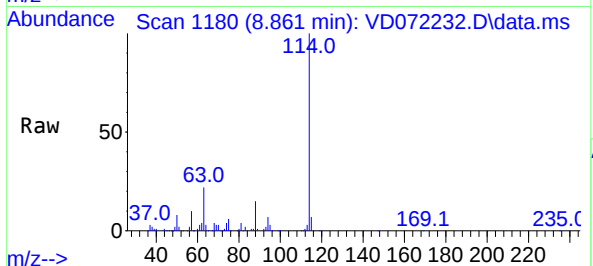
Tgt Ion:114 Resp: 732491

Ion Ratio Lower Upper

114 100

63 21.6 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 44.315 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072232.D

Acq: 16 Mar 2022 21:48

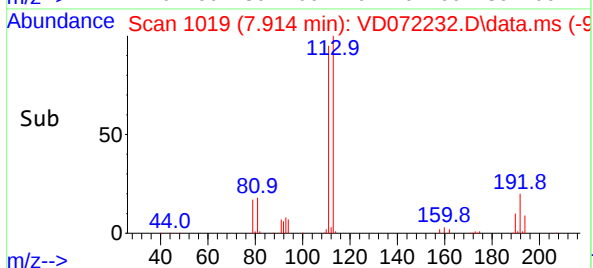
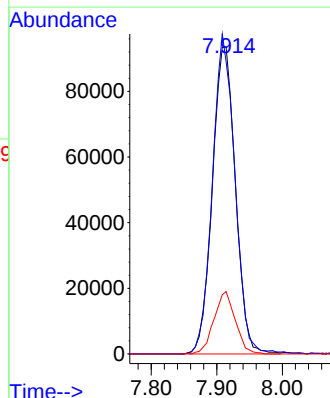
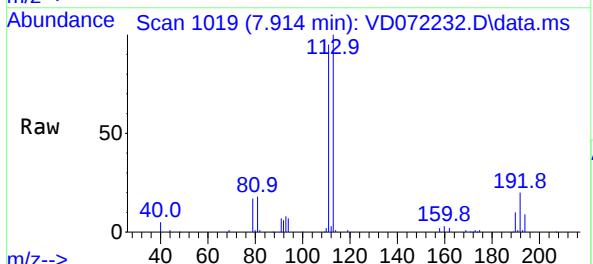
Tgt Ion:113 Resp: 228428

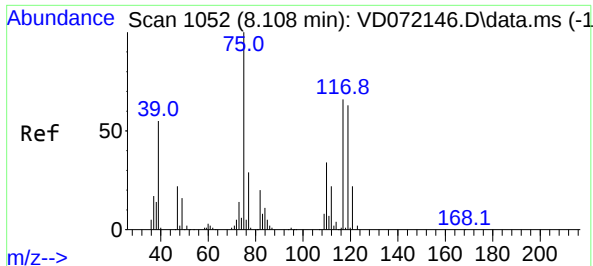
Ion Ratio Lower Upper

113 100

111 101.5 83.8 125.6

192 18.8 14.6 21.8

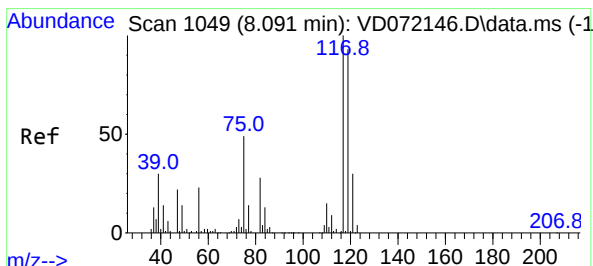
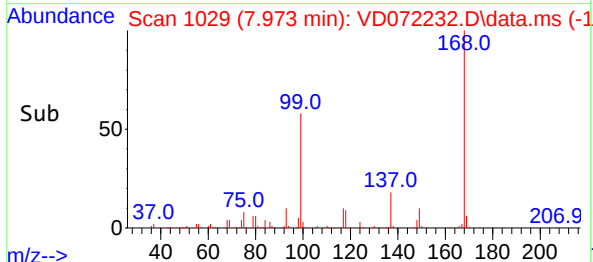
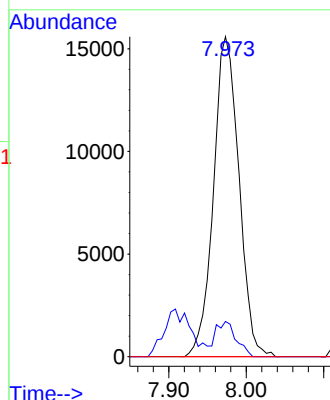
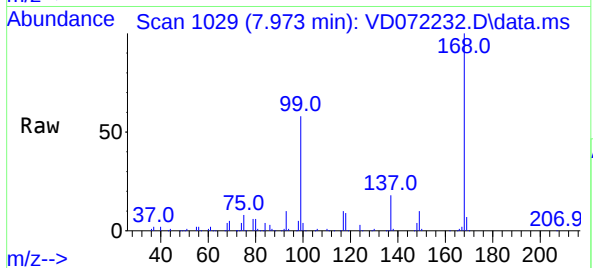




#36  
1,1-Dichloropropene  
Concen: 4.919 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.135 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

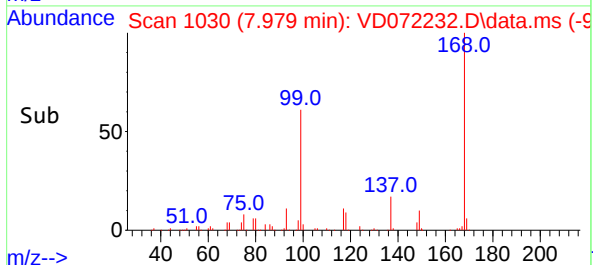
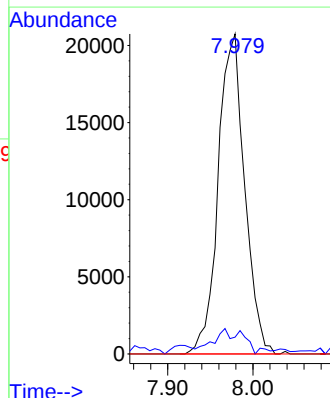
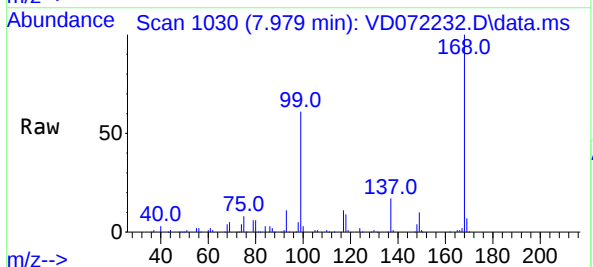
Instrument :  
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TP4(0-7)

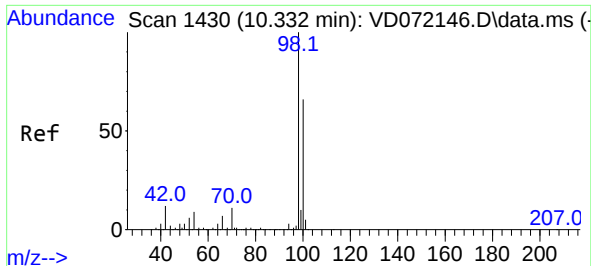
Tgt Ion: 75 Resp: 35568  
Ion Ratio Lower Upper  
75 100  
110 9.0 16.4 49.1#  
77 0.0 24.2 36.2#



#38  
Carbon Tetrachloride  
Concen: 5.441 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.112 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

Tgt Ion: 117 Resp: 44727  
Ion Ratio Lower Upper  
117 100  
119 3.7 75.8 113.6#  
121 0.0 24.5 36.7#

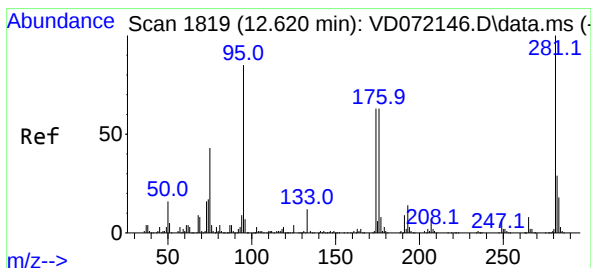
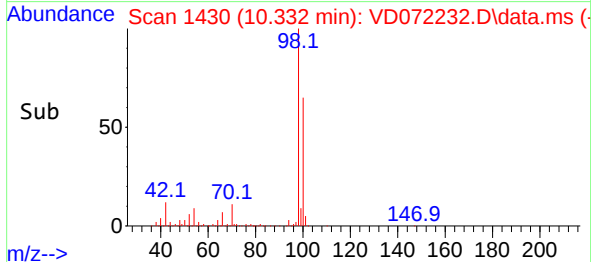
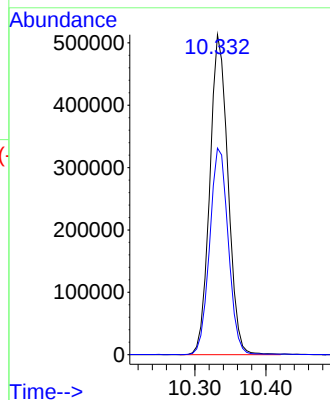
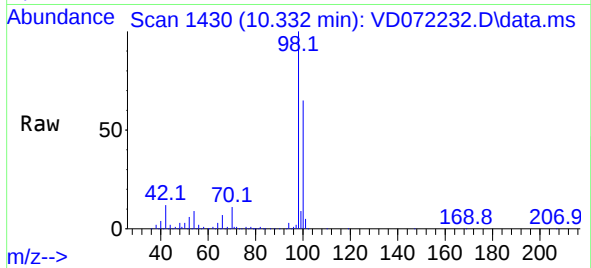




#50  
Toluene-d8  
Concen: 48.494 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

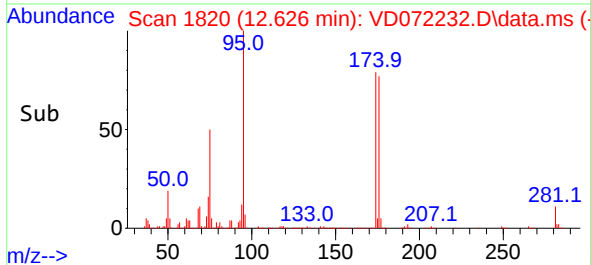
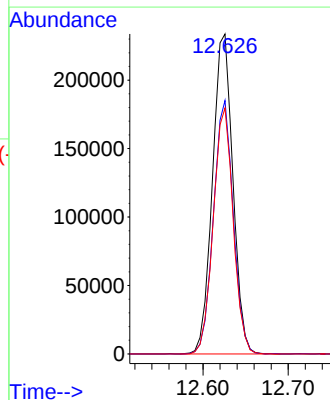
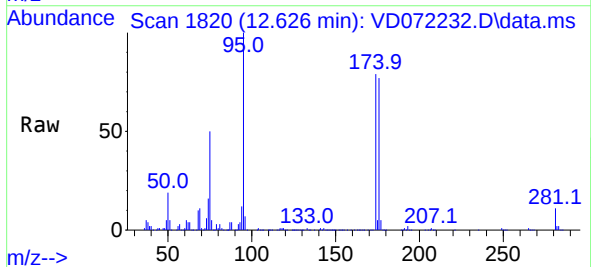
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP4(0-7)

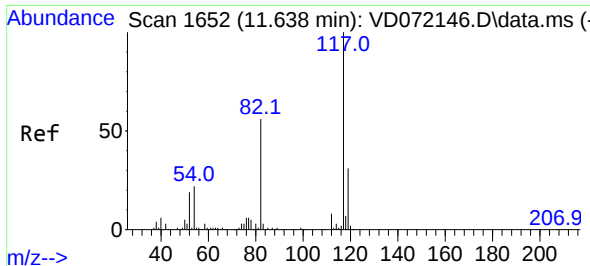
Tgt Ion: 98 Resp: 913998  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 53.023 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.006 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

Tgt Ion: 95 Resp: 388310  
Ion Ratio Lower Upper  
95 100  
174 77.0 0.0 152.8  
176 74.9 0.0 145.4

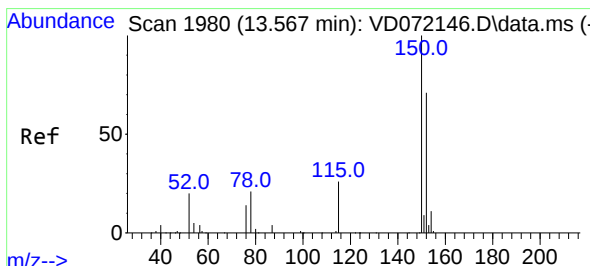
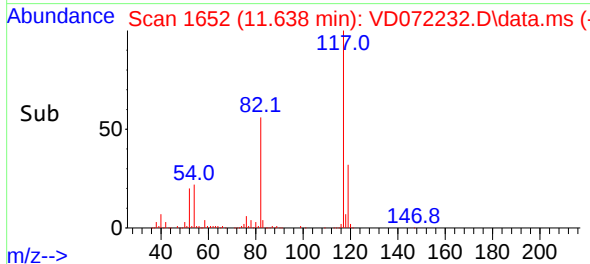
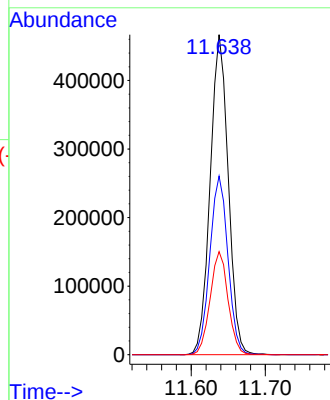
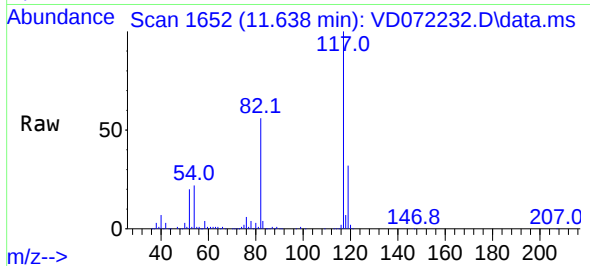




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

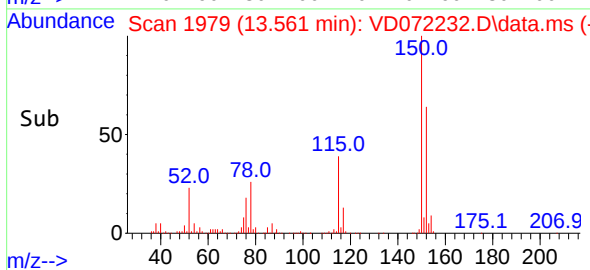
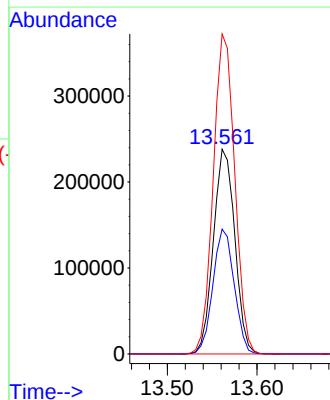
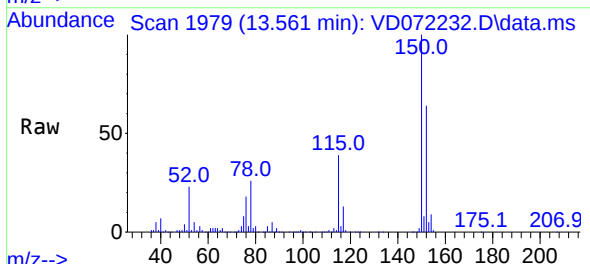
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP4(0-7)

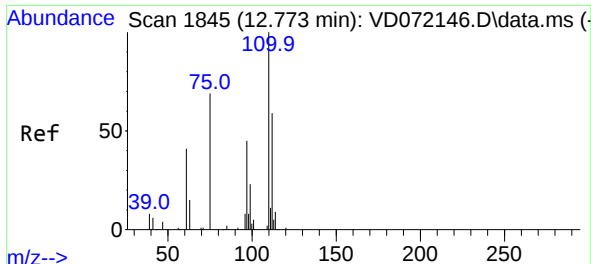
Tgt Ion:117 Resp: 788786  
Ion Ratio Lower Upper  
117 100  
82 55.8 45.3 67.9  
119 32.2 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

Tgt Ion:152 Resp: 395776  
Ion Ratio Lower Upper  
152 100  
115 60.6 31.3 93.8  
150 156.7 0.0 348.6

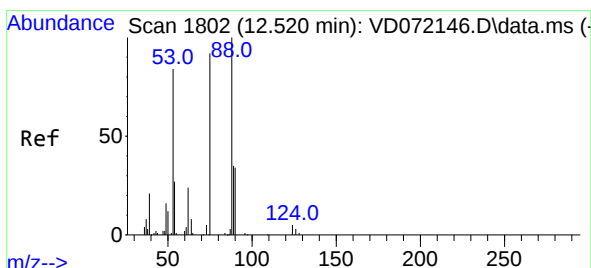
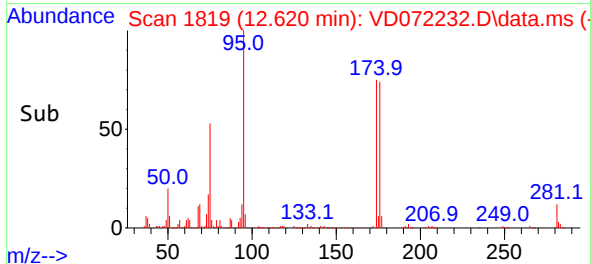
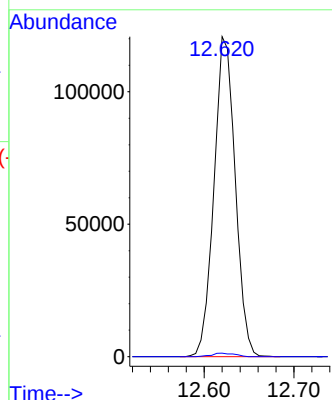
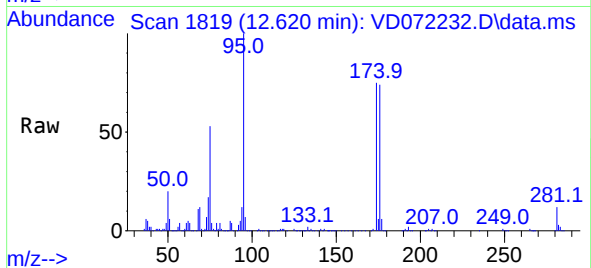




#76  
1,2,3-Trichloropropane  
Concen: 45.463 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.153 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP4(0-7)

Tgt Ion: 75 Resp: 198480  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 112.798 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.100 min  
Lab File: VD072232.D  
Acq: 16 Mar 2022 21:48

Tgt Ion: 75 Resp: 198480  
Ion Ratio Lower Upper  
75 100  
53 0.3 86.5 129.7#  
89 0.3 33.9 50.9#

