

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD040122\  
 Data File : VD072503.D  
 Acq On : 01 Apr 2022 15:25  
 Operator : VA/SY  
 Sample : N2217-07  
 Misc : 4.61G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-6

Quant Time: Apr 02 02:38:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D032922S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 02:44:36 2022  
 Response via : Initial Calibration

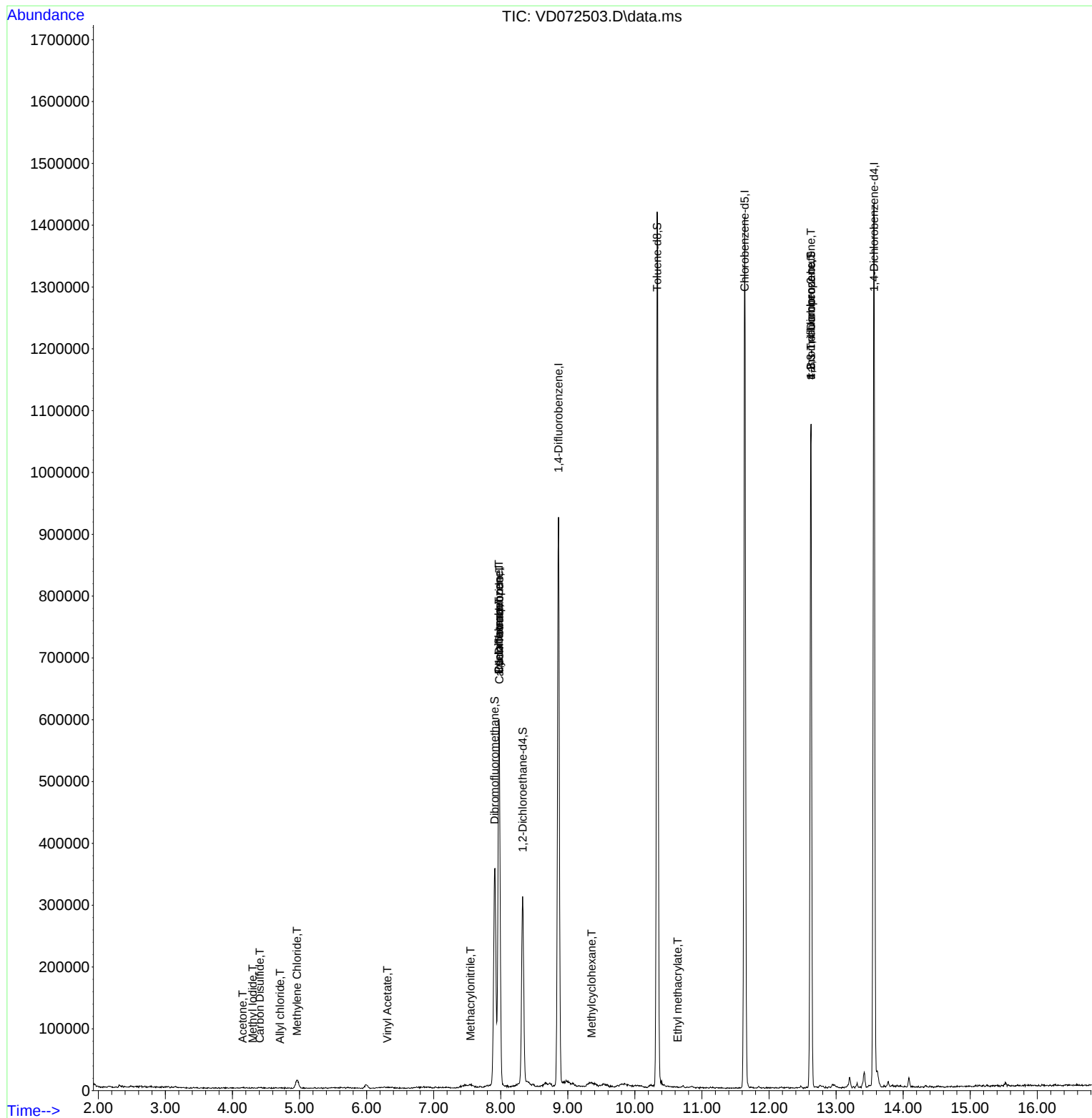
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.973  | 168   | 433513   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114   | 781788   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638 | 117   | 801720   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567 | 152   | 386516   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 240526   | 45.865   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 91.740%  |
| 35) Dibromofluoromethane      | 7.909  | 113   | 258130   | 42.486   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 84.980%  |
| 50) Toluene-d8                | 10.332 | 98    | 967248   | 45.800   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | =      | 91.600%  |
| 62) 4-Bromofluorobenzene      | 12.626 | 95    | 364003   | 44.133   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | =      | 88.260%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 10) Methyl Iodide             | 4.303  | 142   | 683      | 3.867    | ug/l # | 68       |
| 14) Allyl chloride            | 4.709  | 41    | 501      | 1.198    | ug/l # | 31       |
| 16) Acetone                   | 4.150  | 43    | 1584     | 1.620    | ug/l   | 95       |
| 17) Carbon Disulfide          | 4.409  | 76    | 2746     | 3.928    | ug/l # | 74       |
| 20) Methylene Chloride        | 4.962  | 84    | 10566    | 1.815    | ug/l # | 83       |
| 23) Vinyl Acetate             | 6.309  | 43    | 63       | 6.296    | ug/l # | 75       |
| 31) Cyclohexane               | 7.973  | 56    | 9321     | 1.359    | ug/l # | 13       |
| 36) 1,1-Dichloropropene       | 7.973  | 75    | 33053    | 5.285    | ug/l # | 53       |
| 38) Carbon Tetrachloride      | 7.979  | 117   | 45890    | 5.483    | ug/l # | 17       |
| 39) Methylcyclohexane         | 9.355  | 83    | 319      | 2.910    | ug/l # | 17       |
| 41) Methacrylonitrile         | 7.550  | 41    | 54       | 1.686    | ug/l # | 27       |
| 56) Ethyl methacrylate        | 10.638 | 69    | 1858     | 1.505    | ug/l # | 18       |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75    | 182932   | 43.394   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75    | 182932   | 106.481  | ug/l # | 7        |
| -----                         |        |       |          |          |        |          |

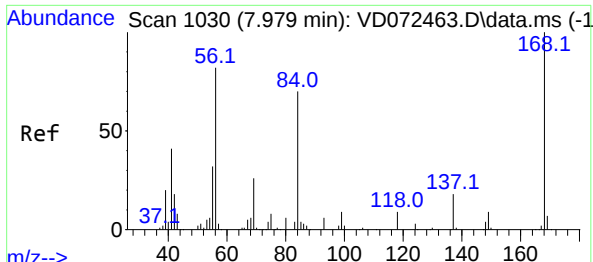
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N2217-07  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6

Quant Time: Apr 02 02:38:03 2022  
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Quant Title : SW846 8260  
QLast Update : Wed Mar 30 02:44:36 2022  
Response via : Initial Calibration

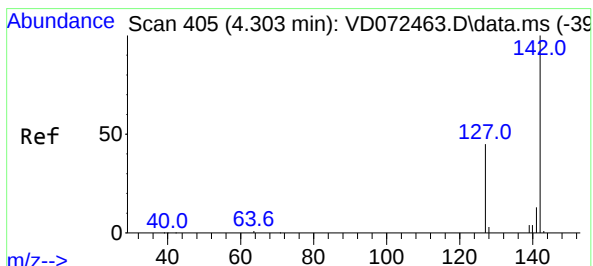
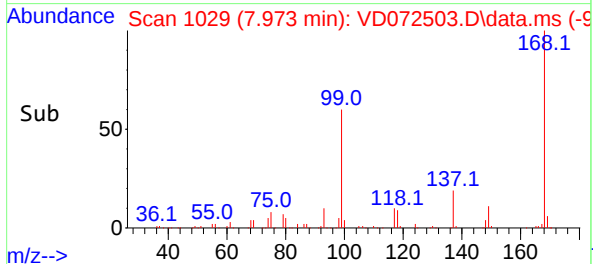
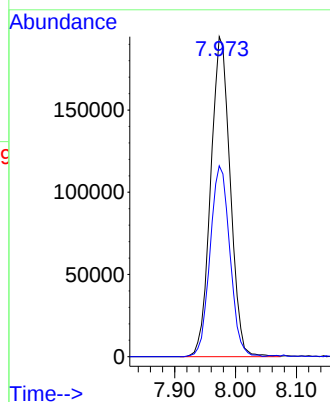
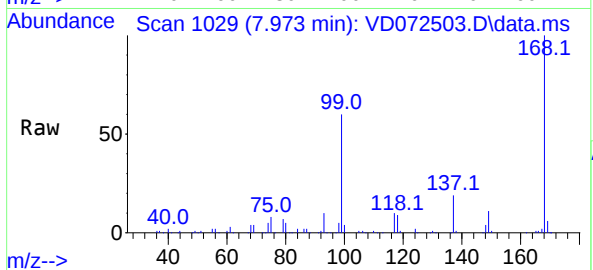




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

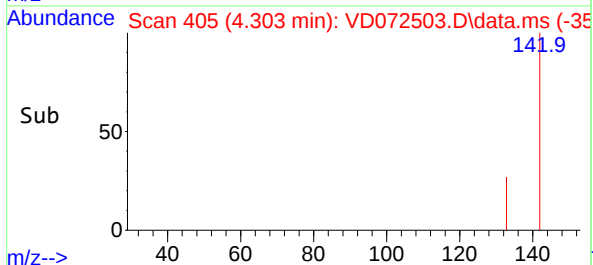
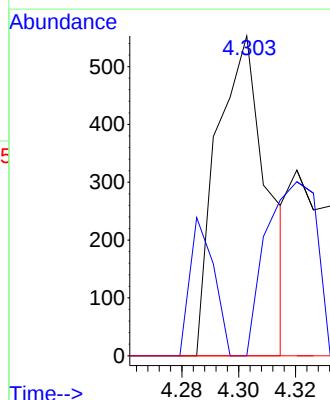
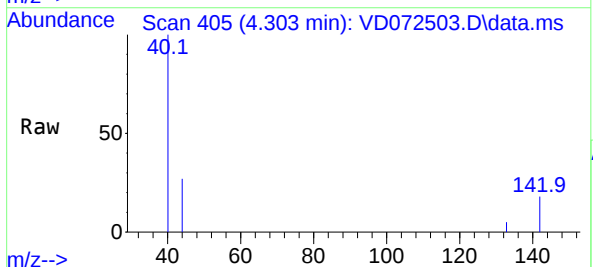
Instrument :  
MSVOA\_D  
ClientSampleId :  
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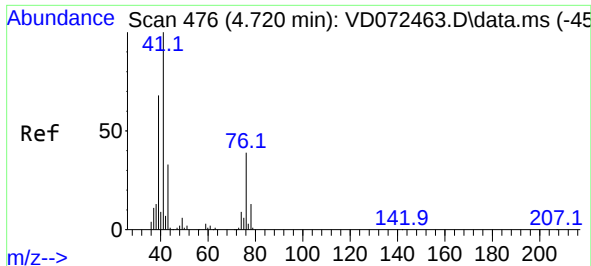
Tgt Ion:168 Resp: 433513  
Ion Ratio Lower Upper  
168 100  
99 59.6 49.8 74.6



#10  
Methyl Iodide  
Concen: 3.867 ug/l  
RT: 4.303 min Scan# 405  
Delta R.T. -0.000 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

Tgt Ion:142 Resp: 683  
Ion Ratio Lower Upper  
142 100  
127 67.3 37.3 55.9#  
141 0.0 11.7 17.5#

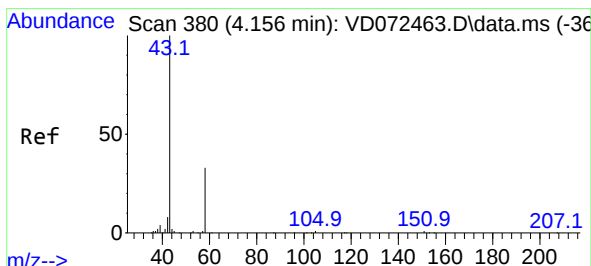
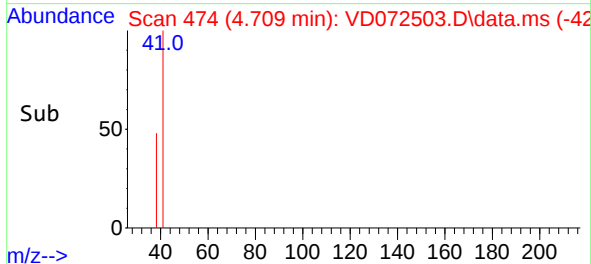
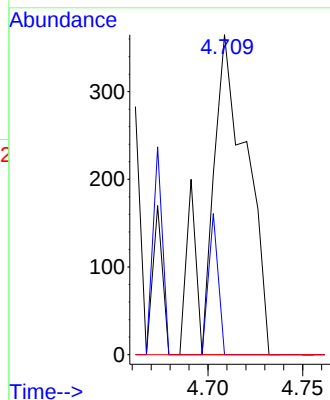
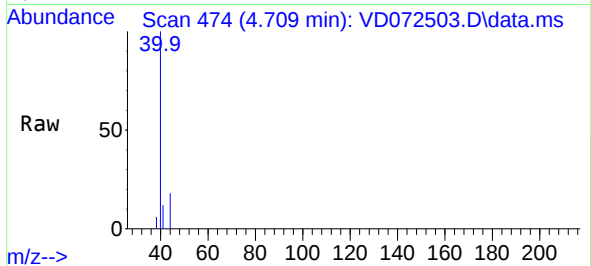




#14  
 Allyl chloride  
 Concen: 1.198 ug/l  
 RT: 4.709 min Scan# 41  
 Delta R.T. -0.011 min  
 Lab File: VD072503.D  
 Acq: 01 Apr 2022 15:25

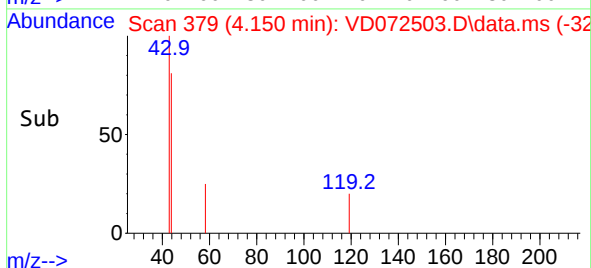
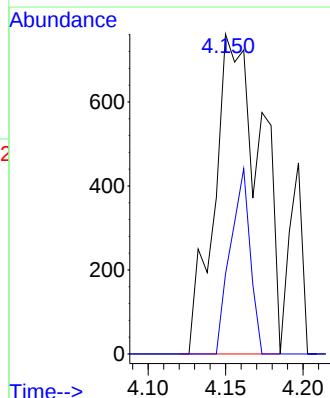
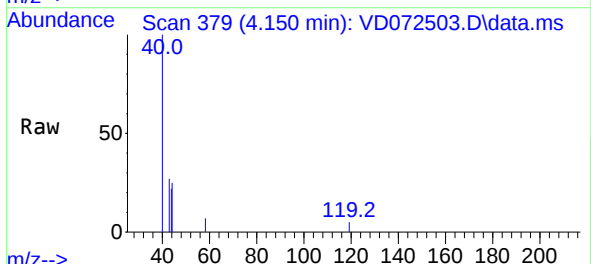
Instrument :  
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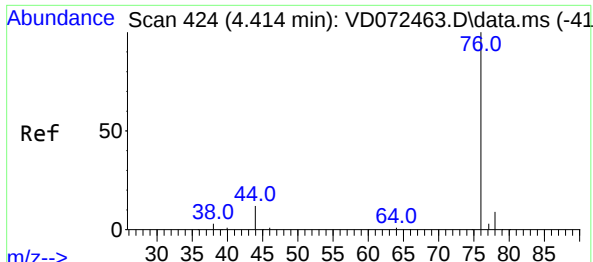
Tgt Ion: 41 Resp: 501  
 Ion Ratio Lower Upper  
 41 100  
 39 11.4 59.3 88.9#  
 76 0.0 25.7 38.5#



#16  
 Acetone  
 Concen: 1.620 ug/l  
 RT: 4.150 min Scan# 379  
 Delta R.T. -0.006 min  
 Lab File: VD072503.D  
 Acq: 01 Apr 2022 15:25

Tgt Ion: 43 Resp: 1584  
 Ion Ratio Lower Upper  
 43 100  
 58 24.9 22.1 33.1

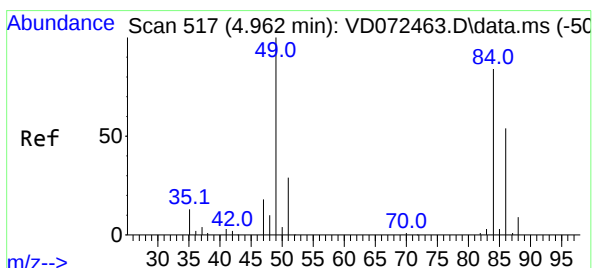
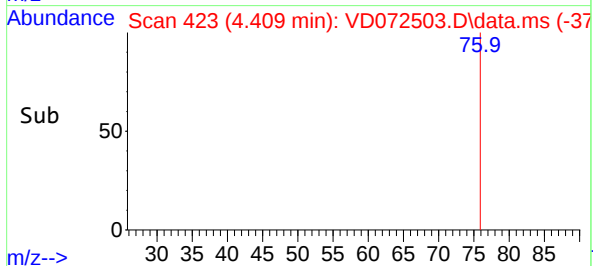
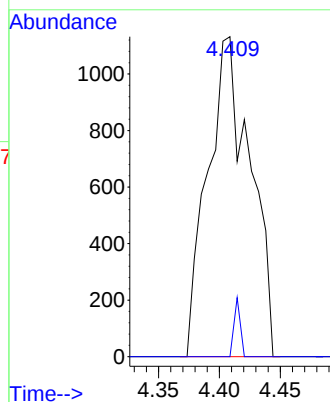
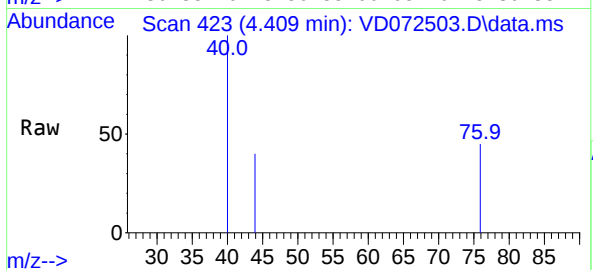




#17  
Carbon Disulfide  
Concen: 3.928 ug/l  
RT: 4.409 min Scan# 41  
Delta R.T. -0.005 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

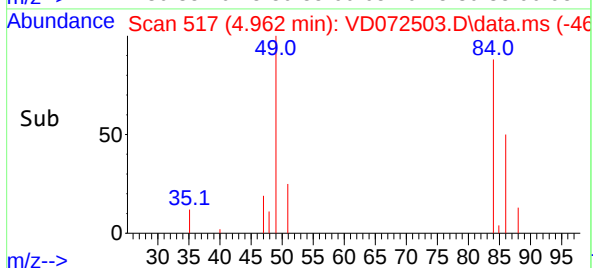
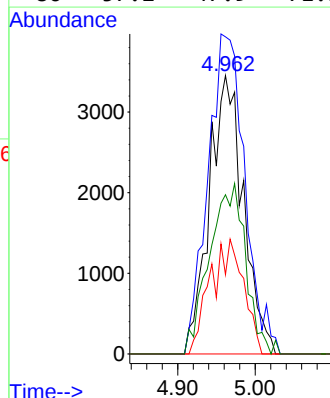
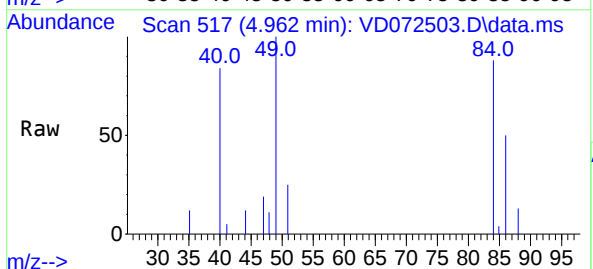
Instrument :  
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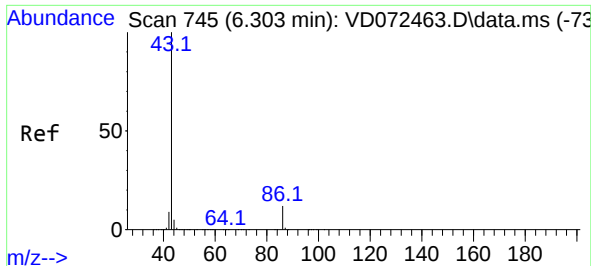
Tgt Ion: 76 Resp: 2746  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.5 11.3#



#20  
Methylene Chloride  
Concen: 1.815 ug/l  
RT: 4.962 min Scan# 517  
Delta R.T. 0.000 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

Tgt Ion: 84 Resp: 10566  
Ion Ratio Lower Upper  
84 100  
49 113.9 112.8 169.2  
51 28.5 32.6 48.8#  
86 57.2 47.9 71.9

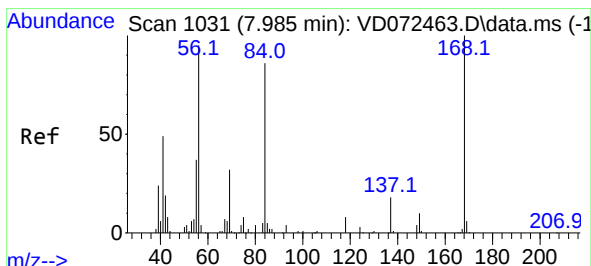
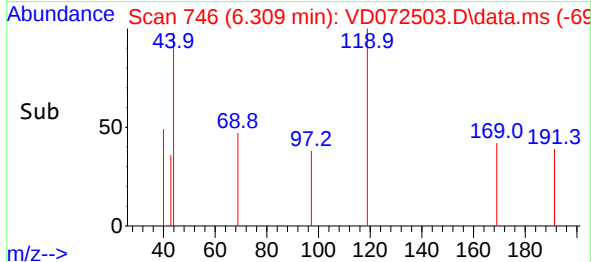
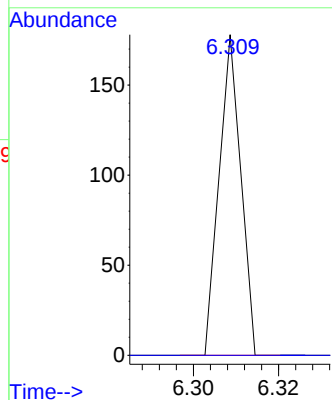
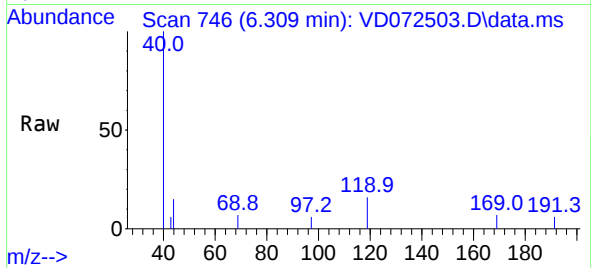




#23  
 Vinyl Acetate  
 Concen: 6.296 ug/l  
 RT: 6.309 min Scan# 745  
 Delta R.T. 0.006 min  
 Lab File: VD072503.D  
 Acq: 01 Apr 2022 15:25

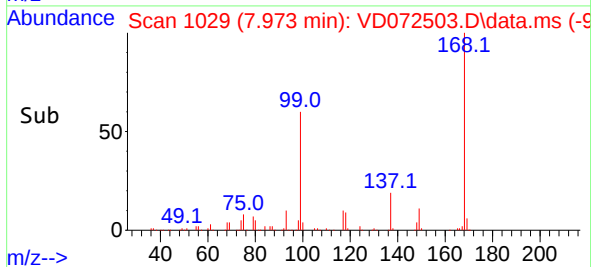
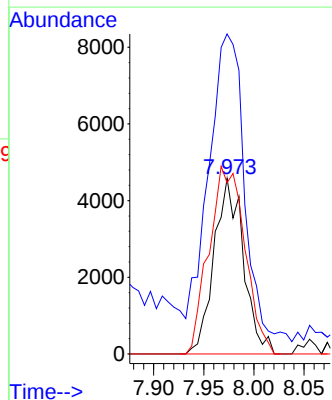
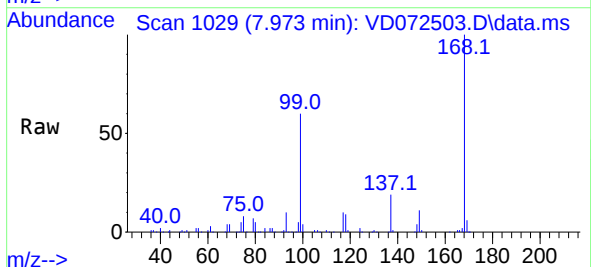
Instrument :  
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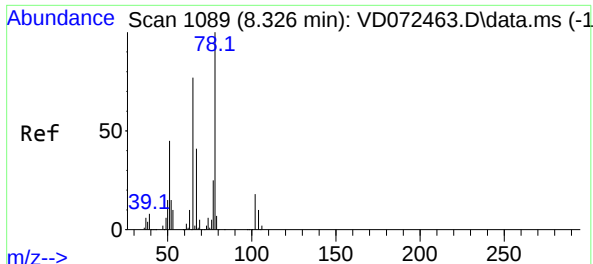
Tgt Ion: 43 Resp: 63  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 7.1 10.7#



#31  
 Cyclohexane  
 Concen: 1.359 ug/l  
 RT: 7.973 min Scan# 1029  
 Delta R.T. -0.012 min  
 Lab File: VD072503.D  
 Acq: 01 Apr 2022 15:25

Tgt Ion: 56 Resp: 9321  
 Ion Ratio Lower Upper  
 56 100  
 69 169.9 25.4 38.2#  
 84 97.6 63.0 94.4#

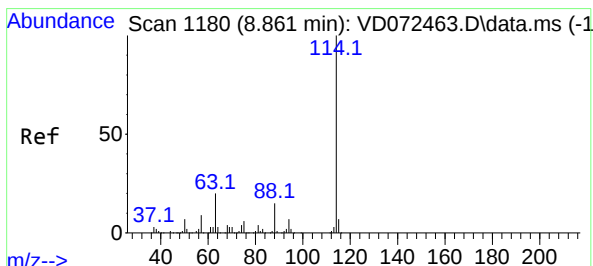
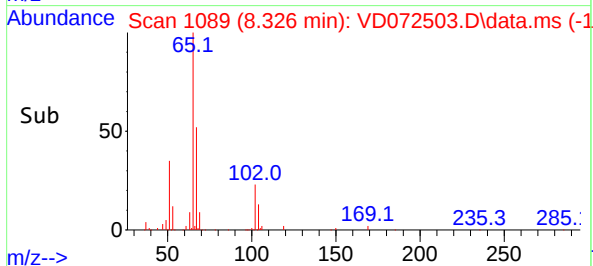
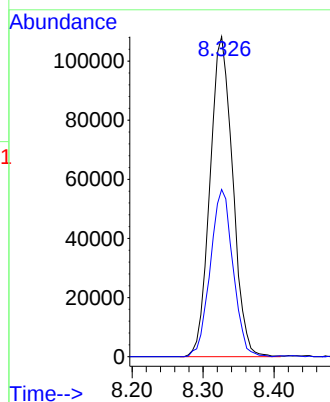
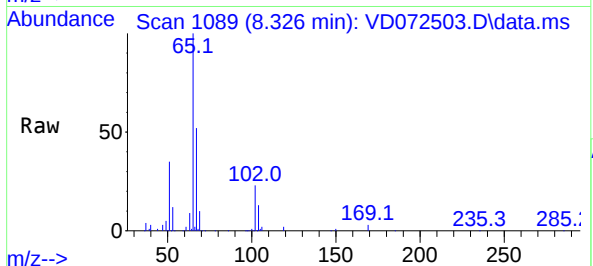




#33  
1,2-Dichloroethane-d4  
Concen: 45.865 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

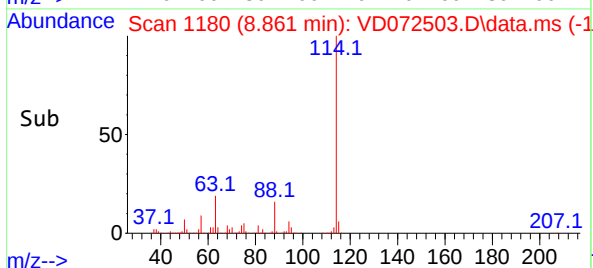
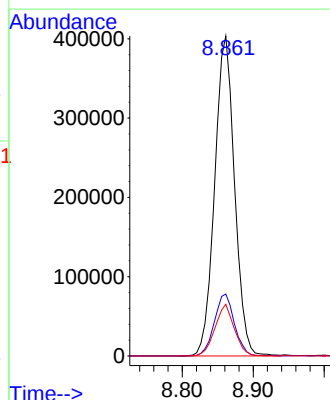
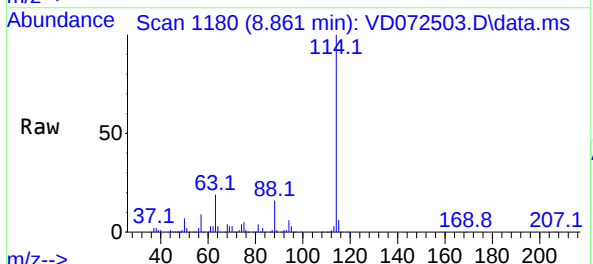
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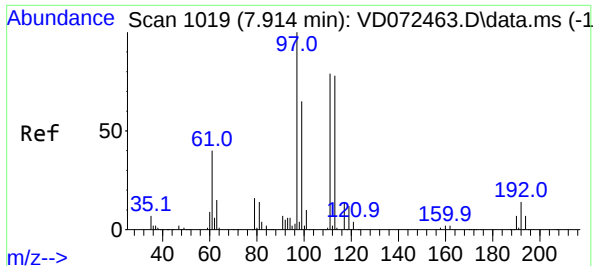
Tgt Ion: 65 Resp: 240526  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 101.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

Tgt Ion:114 Resp: 781788  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 46.6  
88 16.1 0.0 33.2

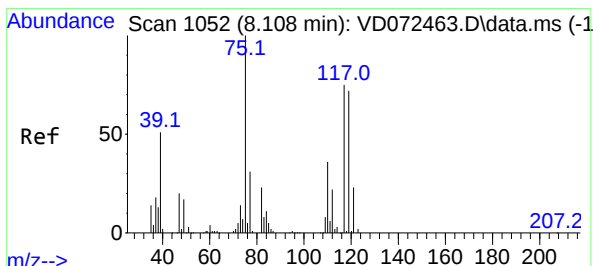
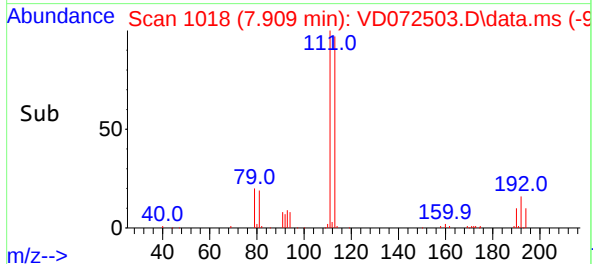
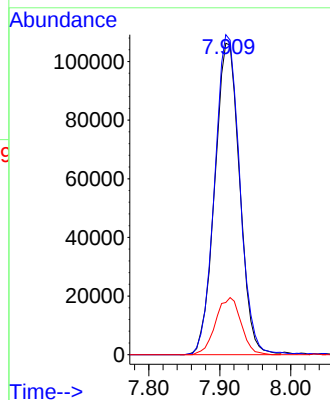
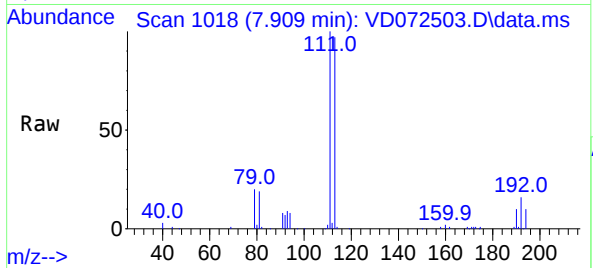




#35  
Dibromofluoromethane  
Concen: 42.486 ug/l  
RT: 7.909 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

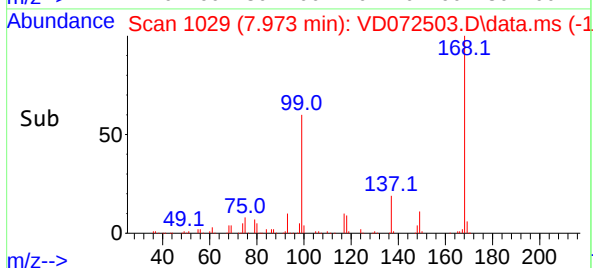
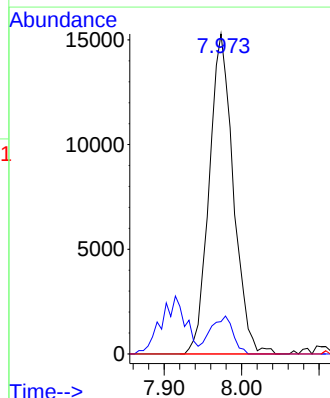
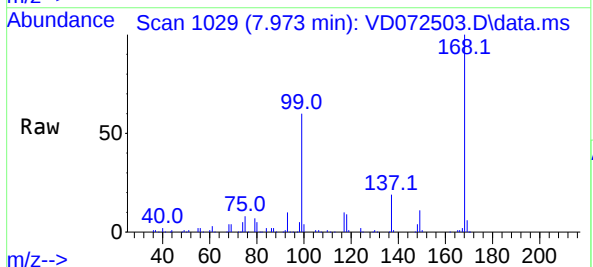
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MSVOA\_D  
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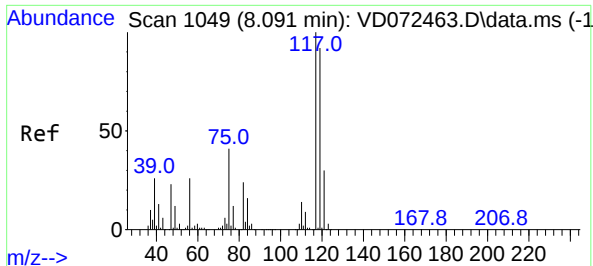
Tgt Ion:113 Resp: 258130  
Ion Ratio Lower Upper  
113 100  
111 103.2 83.8 125.6  
192 18.7 14.6 21.8



#36  
1,1-Dichloropropene  
Concen: 5.285 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.135 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

Tgt Ion: 75 Resp: 33053  
Ion Ratio Lower Upper  
75 100  
110 11.1 16.4 49.1#  
77 0.0 24.2 36.2#

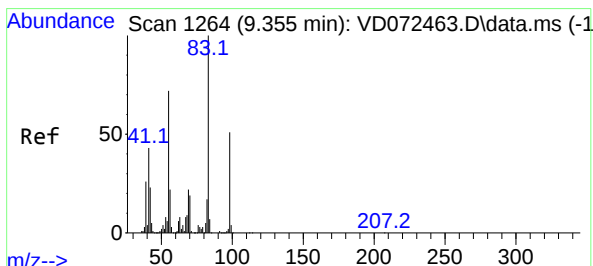
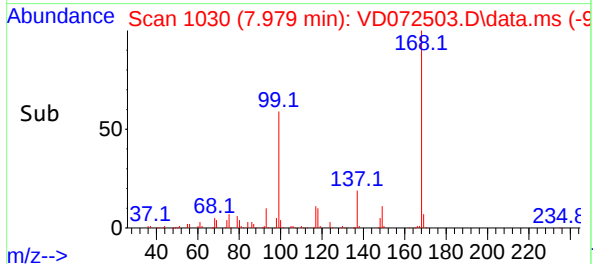
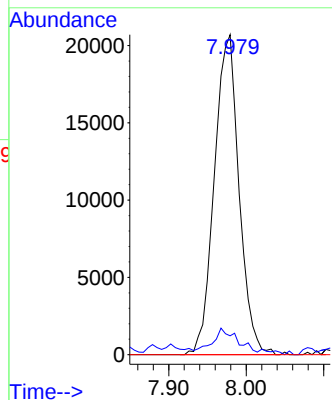
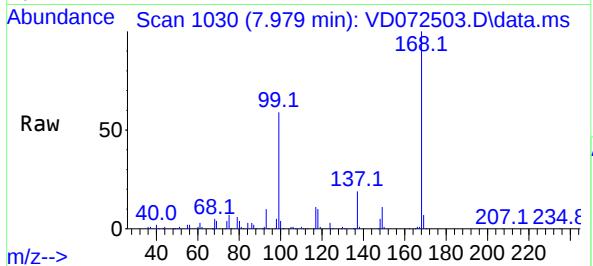




#38  
Carbon Tetrachloride  
Concen: 5.483 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.112 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

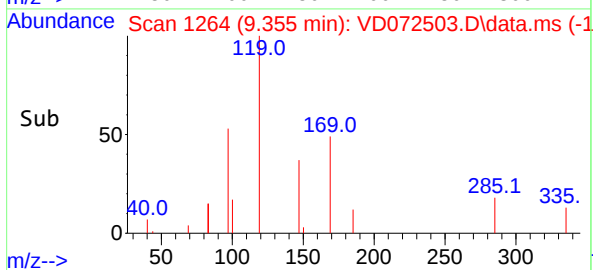
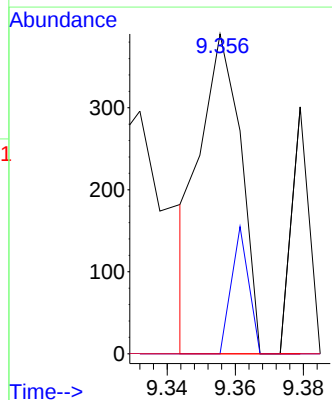
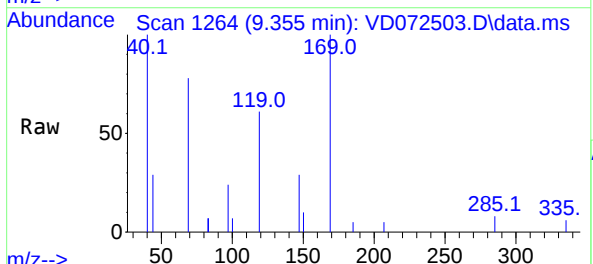
Instrument :  
MSVOA\_D  
ClientSampleId :  
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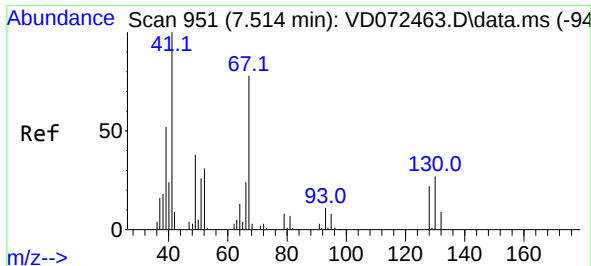
Tgt Ion:117 Resp: 45890  
Ion Ratio Lower Upper  
117 100  
119 5.1 75.8 113.6#  
121 0.0 24.5 36.7#



#39  
Methylcyclohexane  
Concen: 2.910 ug/l  
RT: 9.355 min Scan# 1264  
Delta R.T. 0.000 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

Tgt Ion: 83 Resp: 319  
Ion Ratio Lower Upper  
83 100  
55 0.0 63.2 94.8#  
98 0.0 38.2 57.4#

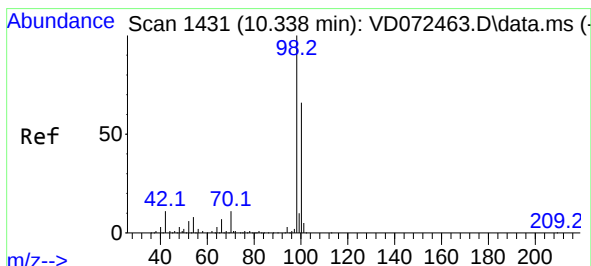
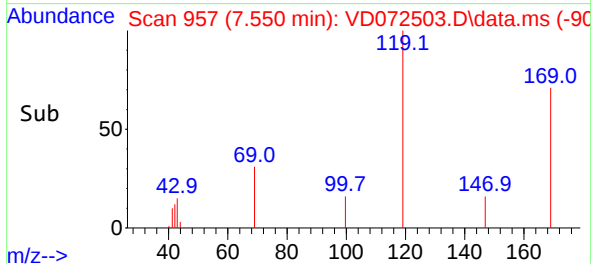
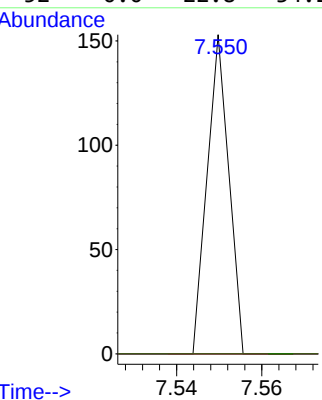
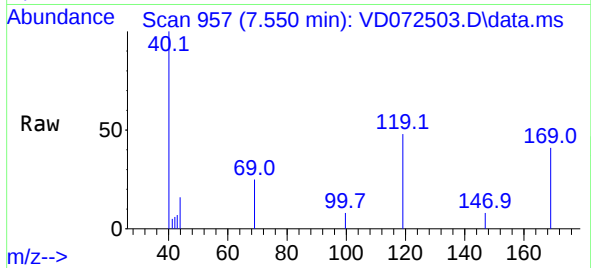




#41  
Methacrylonitrile  
Concen: 1.686 ug/l  
RT: 7.550 min Scan# 91  
Delta R.T. 0.036 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

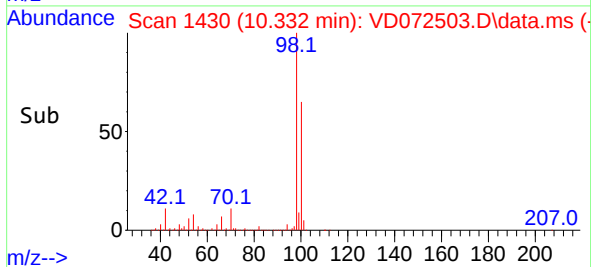
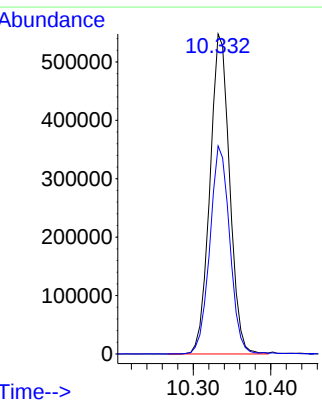
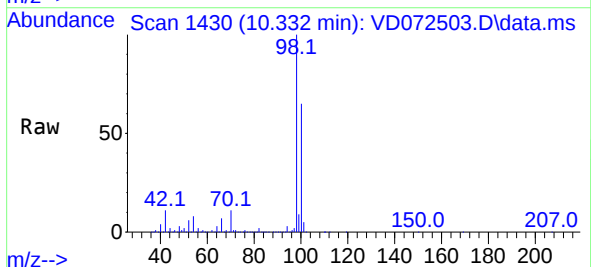
Instrument :  
MSVOA\_D  
ClientSampleId :  
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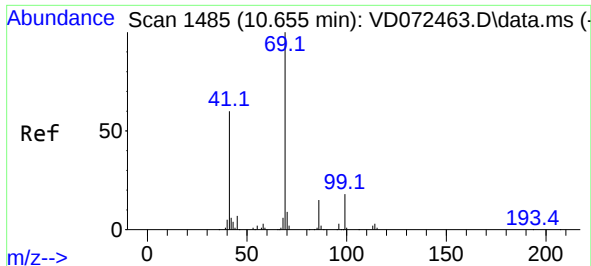
|             |                |
|-------------|----------------|
| Tgt Ion: 41 | Resp: 54       |
| Ion Ratio   | Lower Upper    |
| 41          | 100            |
| 39          | 0.0 44.6 67.0# |
| 67          | 0.0 48.2 72.4# |
| 52          | 0.0 22.8 34.2# |



#50  
Toluene-d8  
Concen: 45.800 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.006 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

|             |                |
|-------------|----------------|
| Tgt Ion: 98 | Resp: 967248   |
| Ion Ratio   | Lower Upper    |
| 98          | 100            |
| 100         | 65.8 52.4 78.6 |

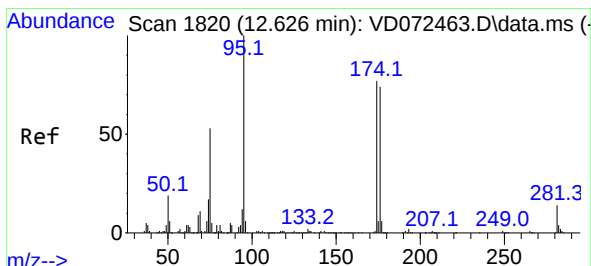
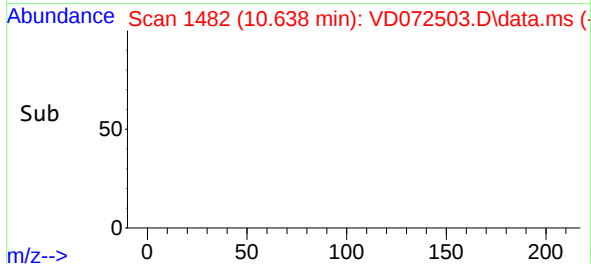
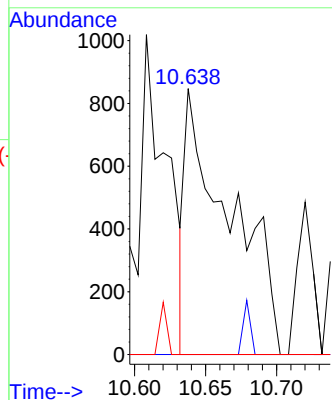
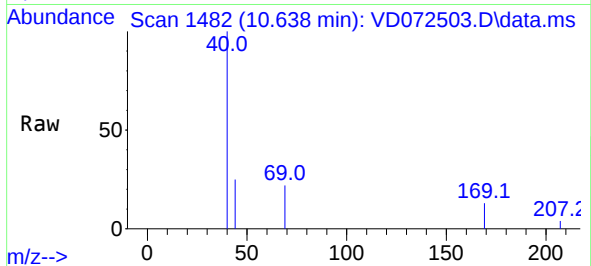




#56  
Ethyl methacrylate  
Concen: 1.505 ug/l  
RT: 10.638 min Scan# 1485  
Delta R.T. -0.017 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

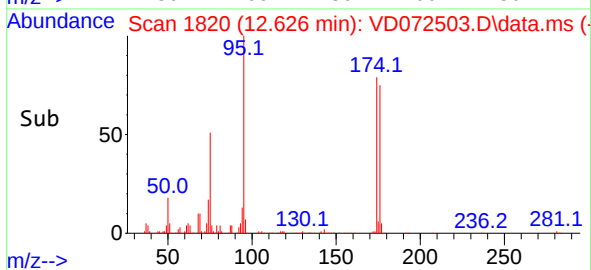
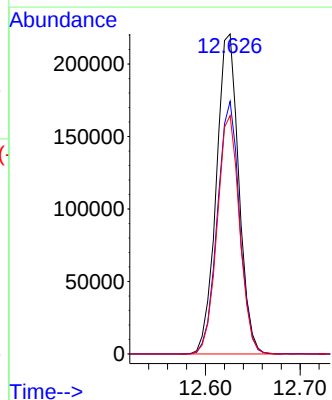
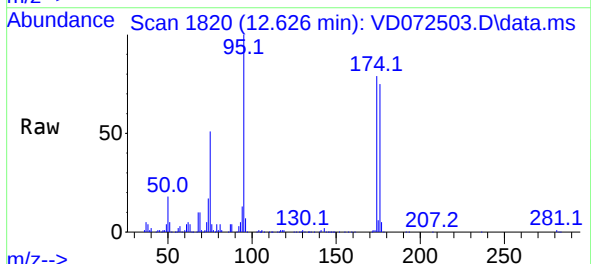
Instrument :  
MSVOA\_D  
ClientSampleId :  
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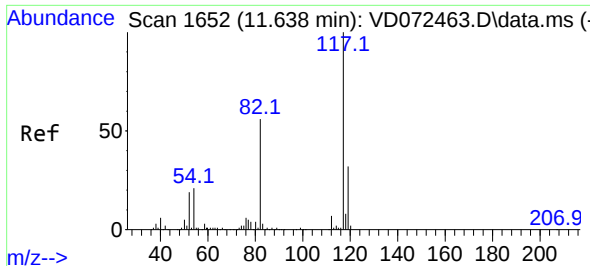
Tgt Ion: 69 Resp: 1858  
Ion Ratio Lower Upper  
69 100  
41 0.0 63.0 94.6#  
39 0.0 33.8 50.8#



#62  
4-Bromofluorobenzene  
Concen: 44.133 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

Tgt Ion: 95 Resp: 364003  
Ion Ratio Lower Upper  
95 100  
174 77.8 0.0 152.8  
176 73.9 0.0 145.4

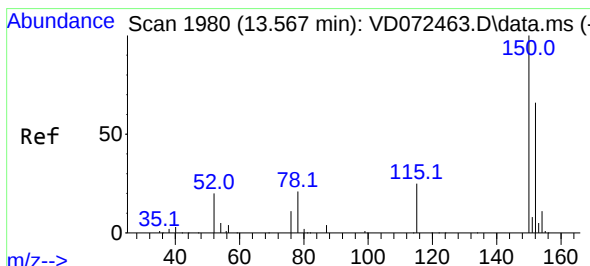
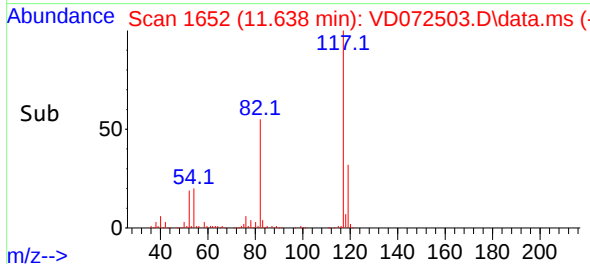
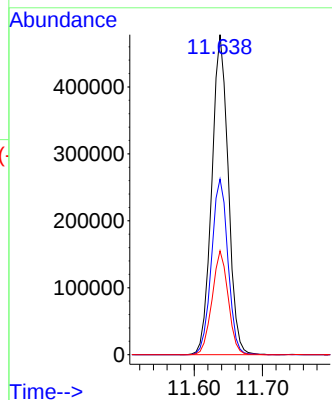
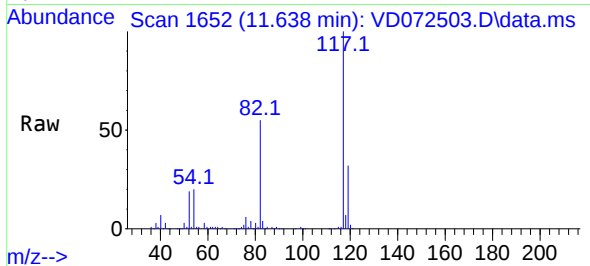




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

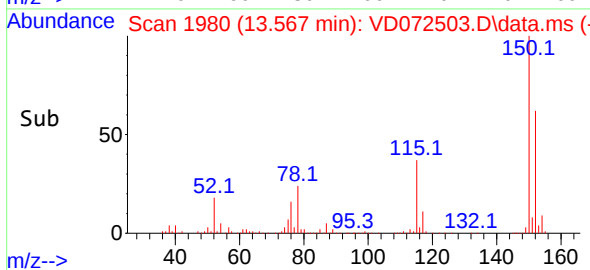
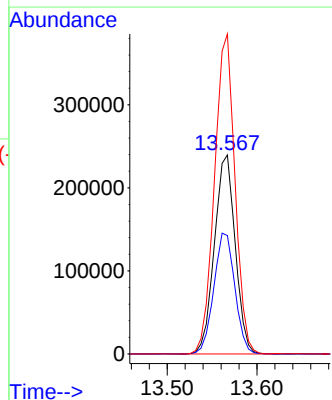
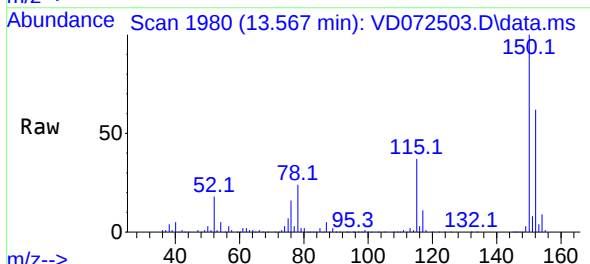
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-6

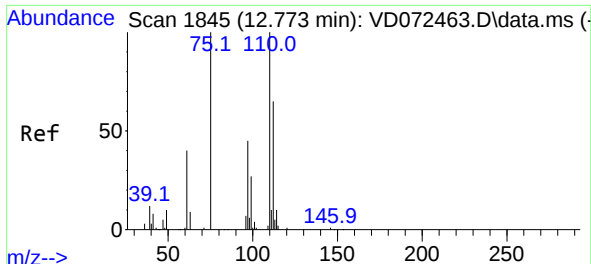
Tgt Ion:117 Resp: 801720  
Ion Ratio Lower Upper  
117 100  
82 54.9 45.3 67.9  
119 32.4 26.6 40.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

Tgt Ion:152 Resp: 386516  
Ion Ratio Lower Upper  
152 100  
115 61.5 31.3 93.8  
150 158.0 0.0 348.6

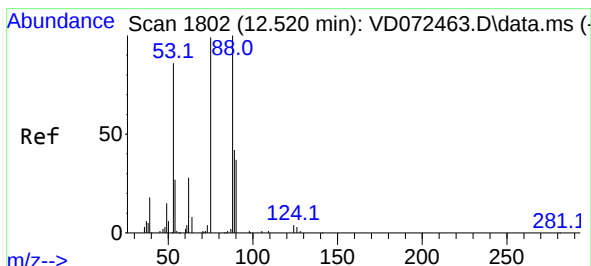
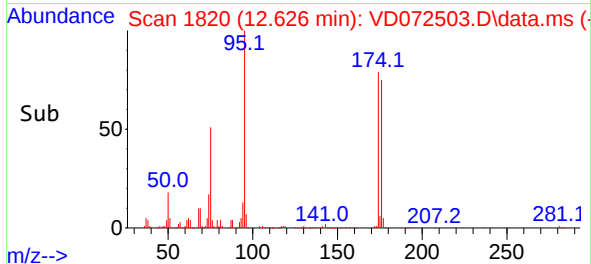
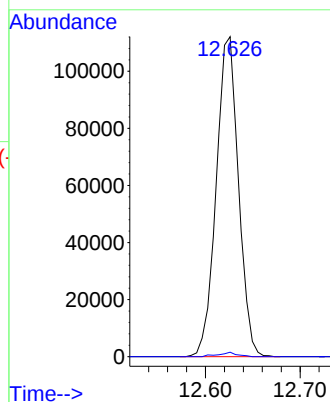
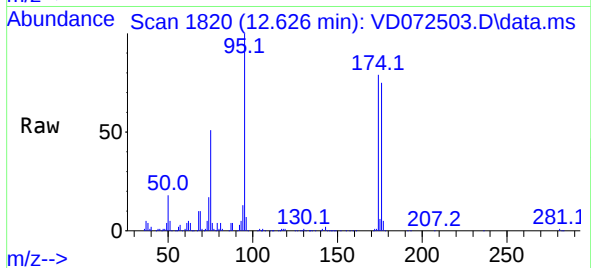




#76  
1,2,3-Trichloropropane  
Concen: 43.394 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Tgt Ion: 75 Resp: 182932  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 106.481 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD072503.D  
Acq: 01 Apr 2022 15:25

Tgt Ion: 75 Resp: 182932  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.5 129.7#  
89 0.1 33.9 50.9#

