

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092421\  
 Data File : VD070449.D  
 Acq On : 24 Sep 2021 12:36  
 Operator : VA/SY  
 Sample : M3907-01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Sep 25 03:07:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 09 03:07:09 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 199513   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 387978   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 354727   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 117664   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 144463   | 56.391   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 112.780% |      |
| 35) Dibromofluoromethane    | 7.914  | 113   | 132238   | 47.883   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 95.760%  |      |
| 50) Toluene-d8              | 10.338 | 98    | 398224   | 39.715   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 79.440%  |      |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 116254   | 33.175   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 66.340%  |      |

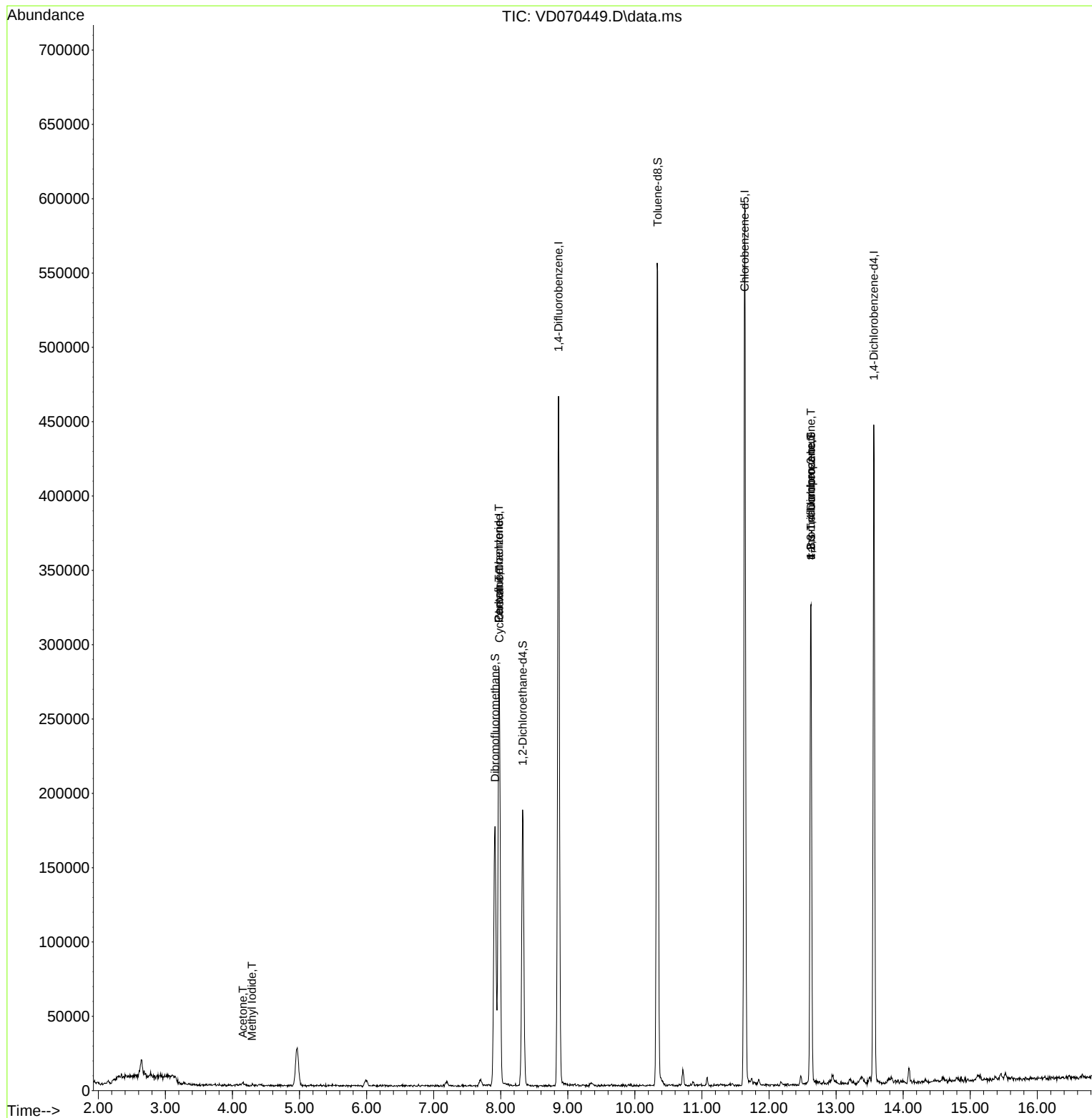
|                               |        |     |       |           |        |    |
|-------------------------------|--------|-----|-------|-----------|--------|----|
| Target Compounds              |        |     |       | Qvalue    |        |    |
| 2) Dichlorodifluoromethane    | 1.985  | 85  | 778   | Below Cal | #      | 62 |
| 3) Chloromethane              | 2.209  | 50  | 1189  | Below Cal |        | 99 |
| 5) Bromomethane               | 2.785  | 94  | 1527  | Below Cal |        | 95 |
| 6) Chloroethane               | 2.932  | 64  | 244   | Below Cal | #      | 43 |
| 10) Methyl Iodide             | 4.291  | 142 | 480   | 1.219     | ug/l # | 58 |
| 16) Acetone                   | 4.156  | 43  | 2833  | 6.194     | ug/l # | 86 |
| 18) Methyl Acetate            | 4.703  | 43  | 119   | Below Cal | #      | 48 |
| 31) Cyclohexane               | 7.979  | 56  | 5251  | 1.190     | ug/l # | 25 |
| 38) Carbon Tetrachloride      | 7.973  | 117 | 21877 | 5.334     | ug/l # | 16 |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75  | 55355 | 46.510    | ug/l # | 1  |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75  | 55355 | 116.534   | ug/l # | 17 |

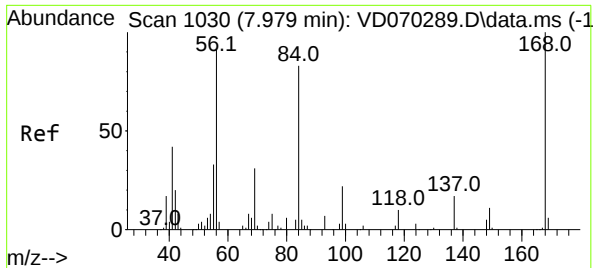
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M3907-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Sep 25 03:07:52 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D090821S.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 09 03:07:09 2021  
Response via : Initial Calibration

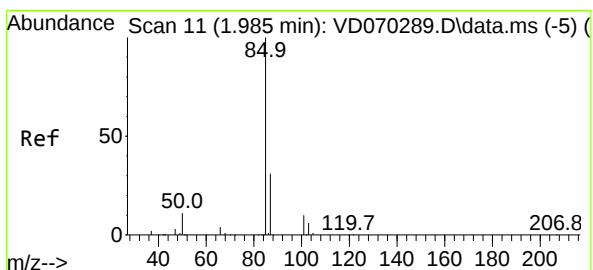
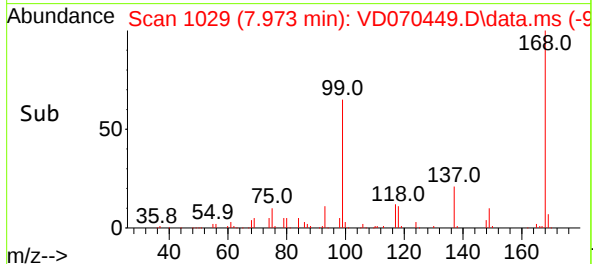
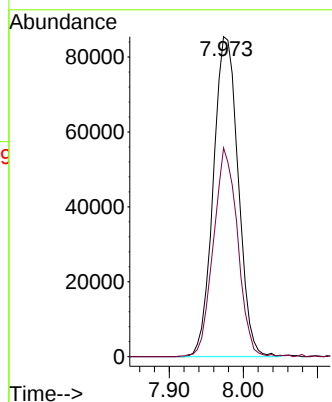
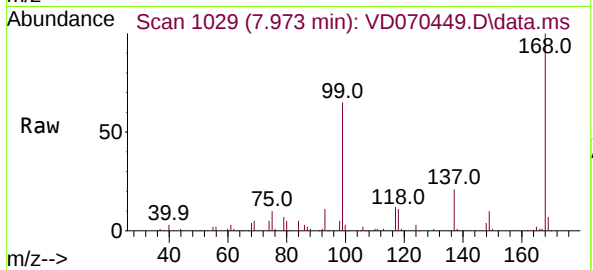




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD070449.D  
Acq: 24 Sep 2021 12:36

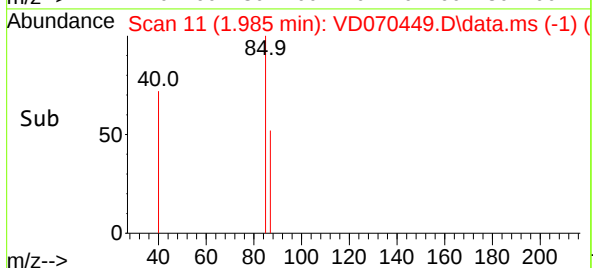
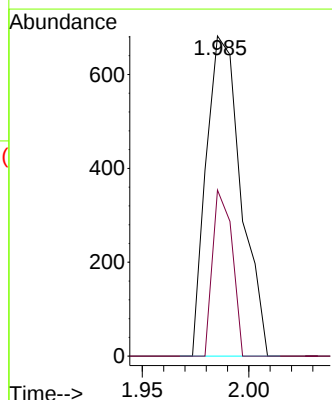
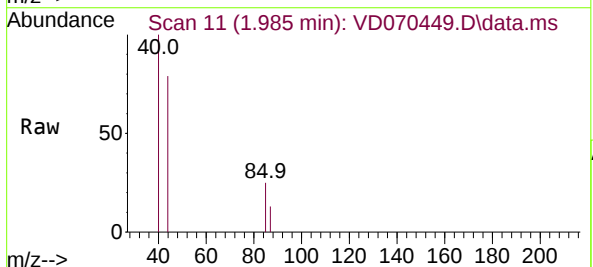
Instrument :  
MSVOA\_D  
ClientSampled :

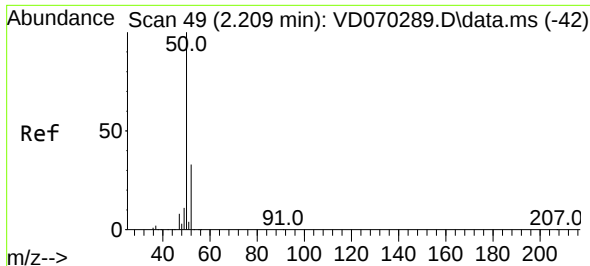
Tgt Ion:168 Resp: 199513  
Ion Ratio Lower Upper  
168 100  
99 65.0 50.8 76.2



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.985 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD070449.D  
Acq: 24 Sep 2021 12:36

Tgt Ion: 85 Resp: 778  
Ion Ratio Lower Upper  
85 100  
87 51.9 15.6 46.8#

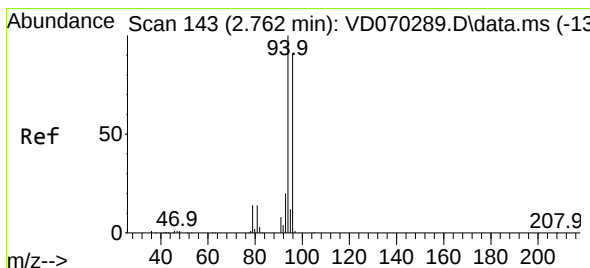
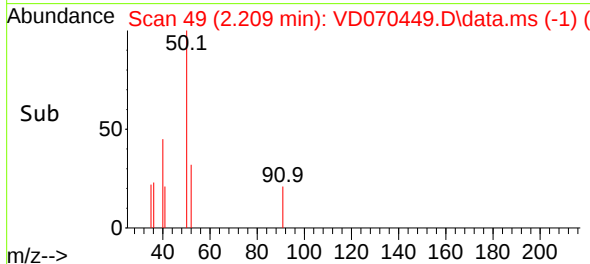
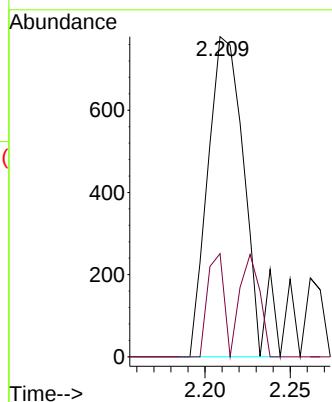
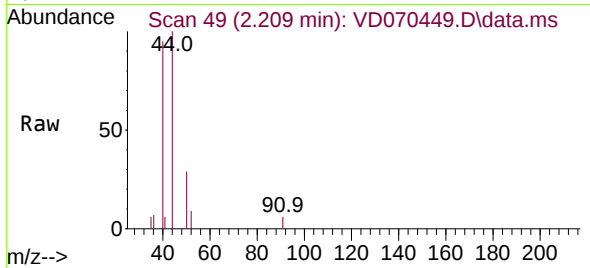




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.209 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VD070449.D  
Acq: 24 Sep 2021 12:36

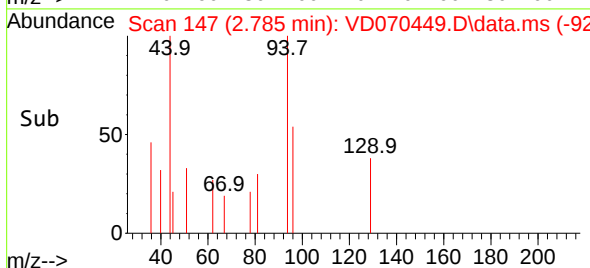
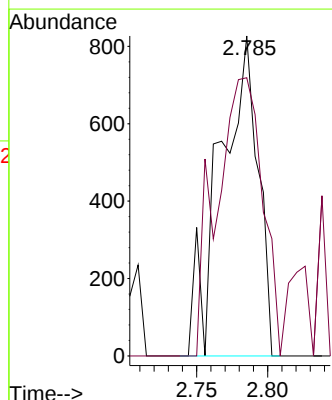
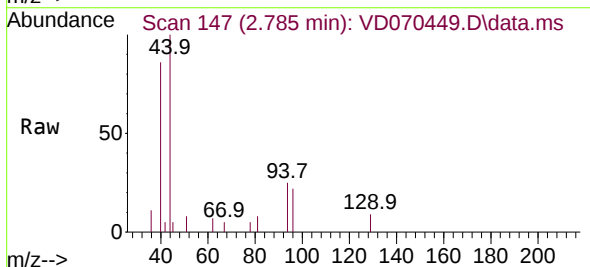
Instrument :  
MSVOA\_D  
ClientSampleId :

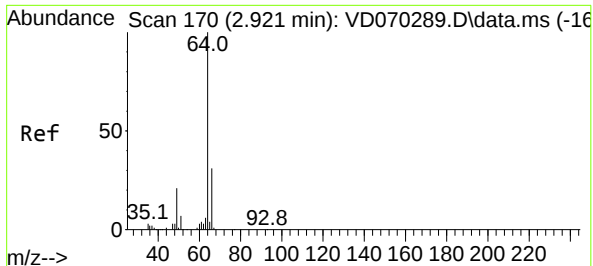
Tgt Ion: 50 Resp: 1189  
Ion Ratio Lower Upper  
50 100  
52 32.2 26.2 39.2



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.785 min Scan# 147  
Delta R.T. 0.023 min  
Lab File: VD070449.D  
Acq: 24 Sep 2021 12:36

Tgt Ion: 94 Resp: 1527  
Ion Ratio Lower Upper  
94 100  
96 86.9 73.0 109.6

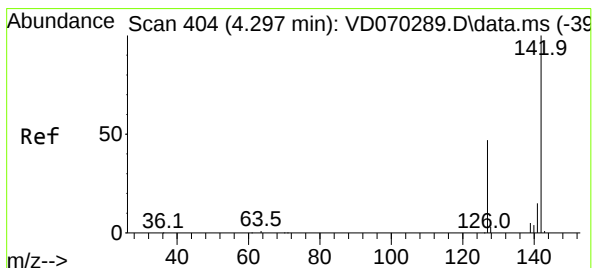
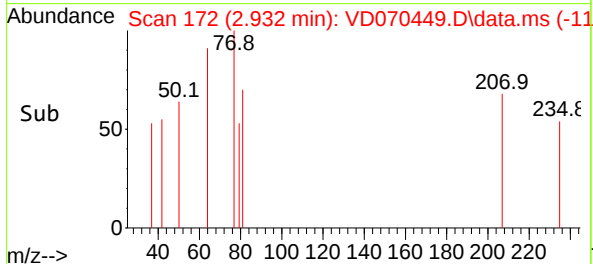
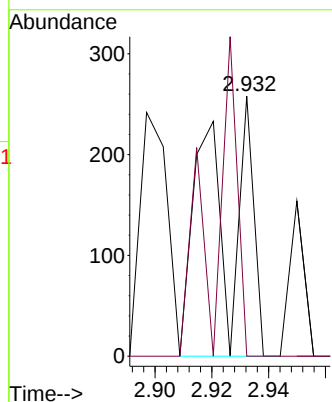
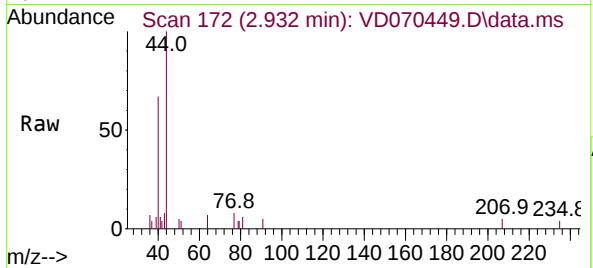




#6  
Chloroethane  
Concen: Below Cal  
RT: 2.932 min Scan# 172  
Delta R.T. 0.011 min  
Lab File: VD070449.D  
Acq: 24 Sep 2021 12:36

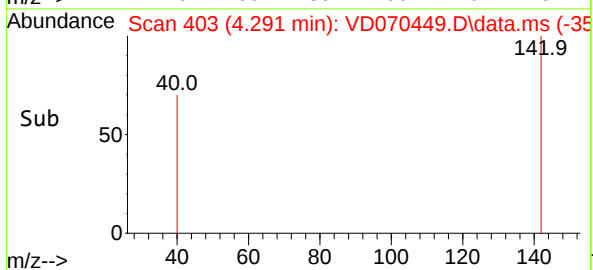
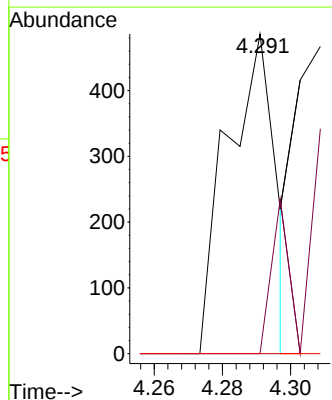
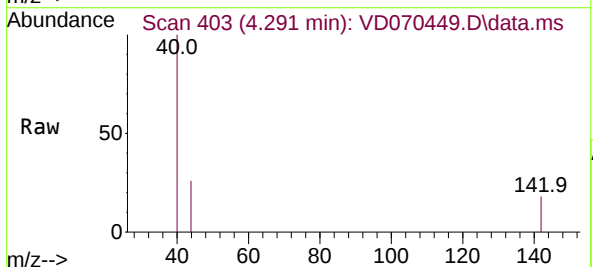
Instrument :  
MSVOA\_D  
ClientSampleId :

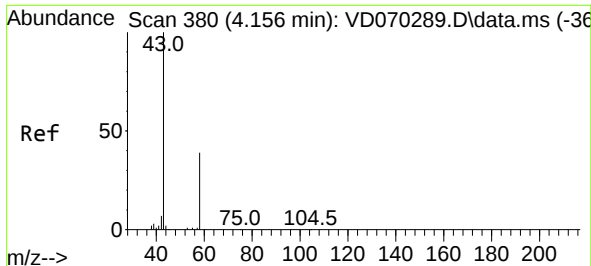
Tgt Ion: 64 Resp: 244  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.0 37.4#



#10  
Methyl Iodide  
Concen: 1.219 ug/l  
RT: 4.291 min Scan# 403  
Delta R.T. -0.006 min  
Lab File: VD070449.D  
Acq: 24 Sep 2021 12:36

Tgt Ion: 142 Resp: 480  
Ion Ratio Lower Upper  
142 100  
127 17.3 36.9 55.3#  
141 0.0 11.8 17.6#

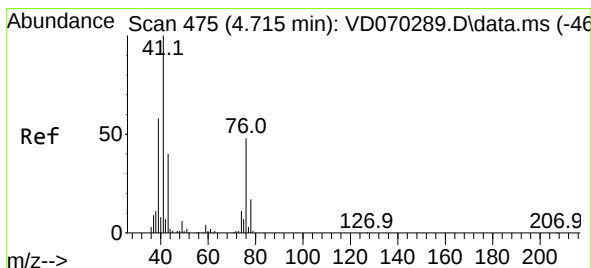
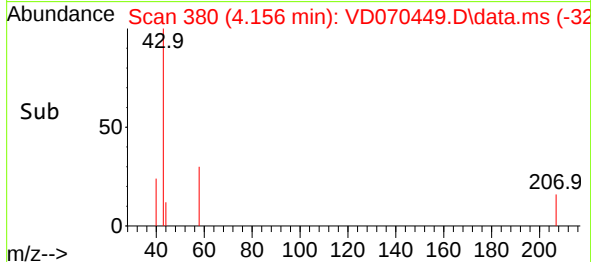
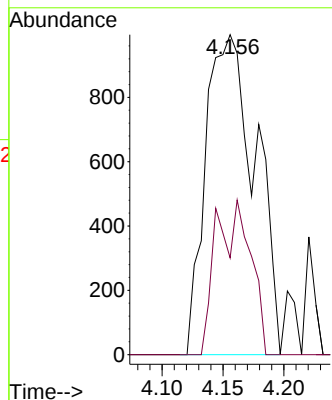
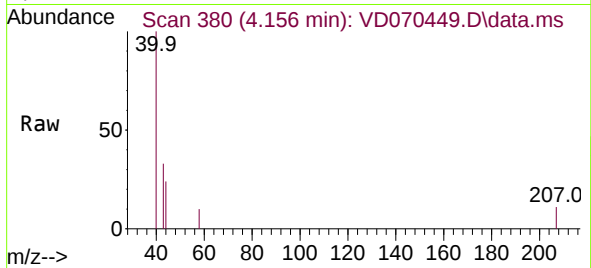




#16  
Acetone  
Concen: 6.194 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VD070449.D  
Acq: 24 Sep 2021 12:36

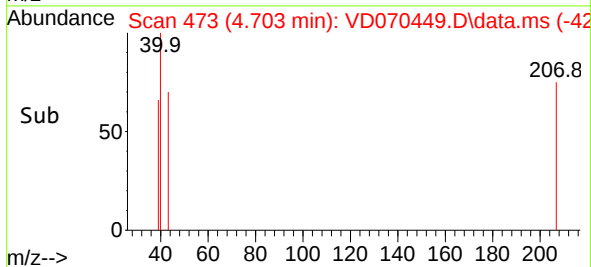
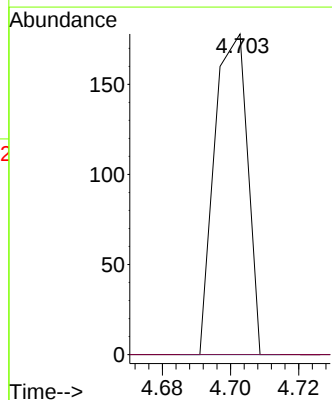
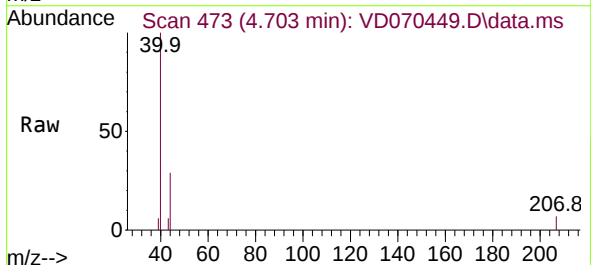
Instrument :  
MSVOA\_D  
ClientSampled :

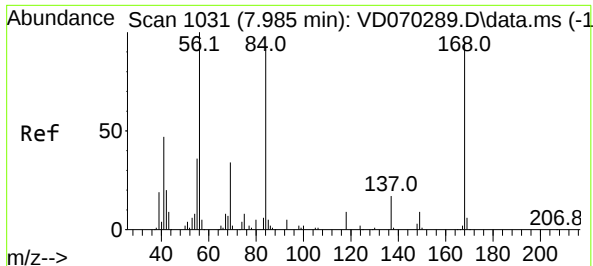
Tgt Ion: 43 Resp: 2833  
Ion Ratio Lower Upper  
43 100  
58 30.3 30.9 46.3#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.703 min Scan# 473  
Delta R.T. -0.012 min  
Lab File: VD070449.D  
Acq: 24 Sep 2021 12:36

Tgt Ion: 43 Resp: 119  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.6 32.4#

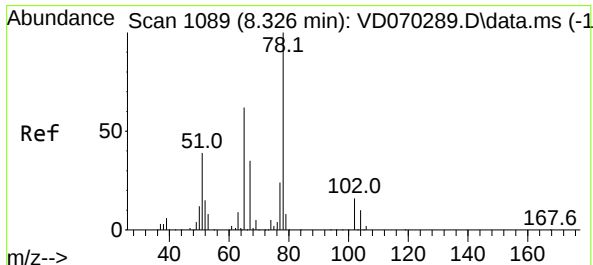
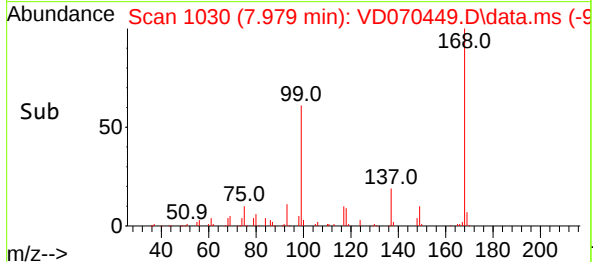
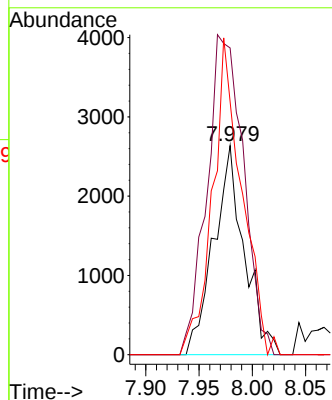
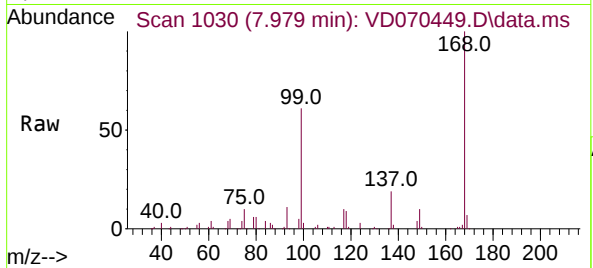




#31  
Cyclohexane  
Concen: 1.190 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD070449.D  
Acq: 24 Sep 2021 12:36

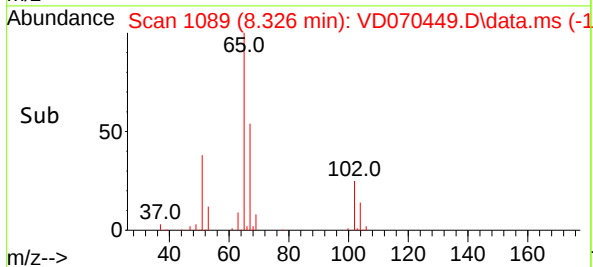
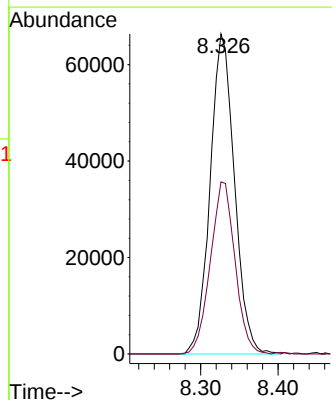
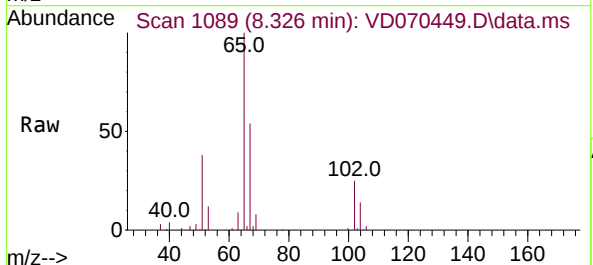
Instrument :  
MSVOA\_D  
ClientSampleId :

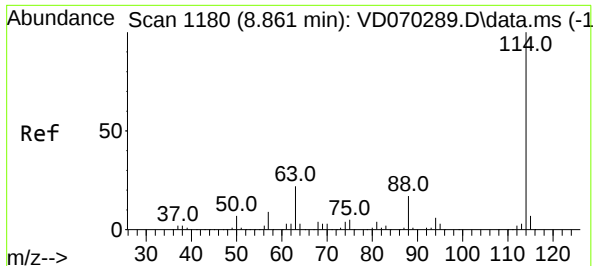
Tgt Ion: 56 Resp: 5251  
Ion Ratio Lower Upper  
56 100  
69 146.6 26.9 40.3#  
84 120.9 73.6 110.4#



#33  
1,2-Dichloroethane-d4  
Concen: 56.391 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD070449.D  
Acq: 24 Sep 2021 12:36

Tgt Ion: 65 Resp: 144463  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 111.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070449.D

Acq: 24 Sep 2021 12:36

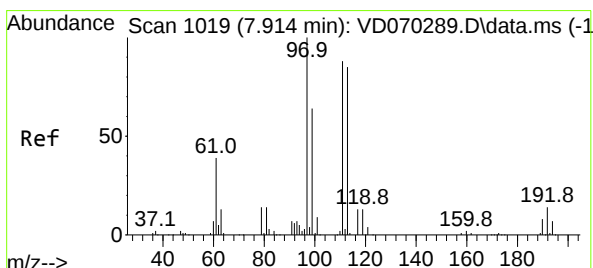
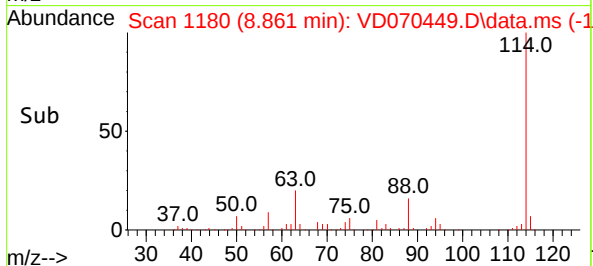
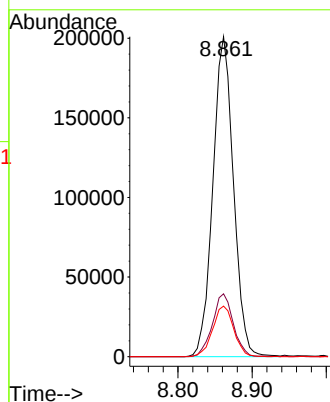
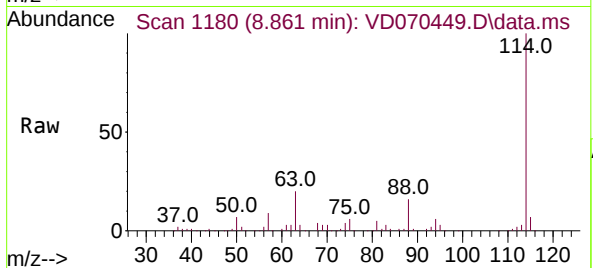
Tgt Ion:114 Resp: 387978

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.4

88 15.8 0.0 33.4



#35

Dibromofluoromethane

Concen: 47.883 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070449.D

Acq: 24 Sep 2021 12:36

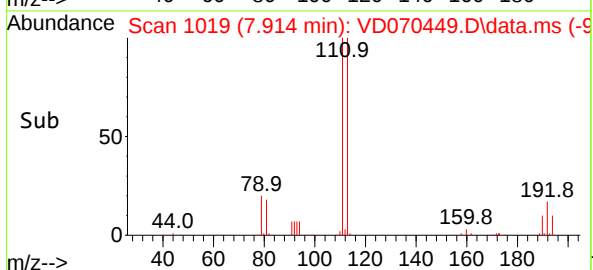
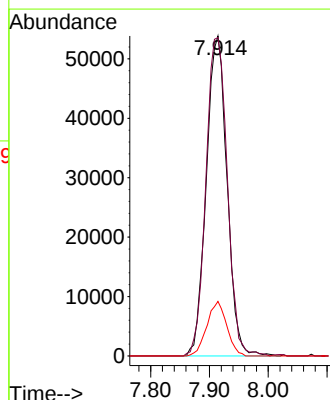
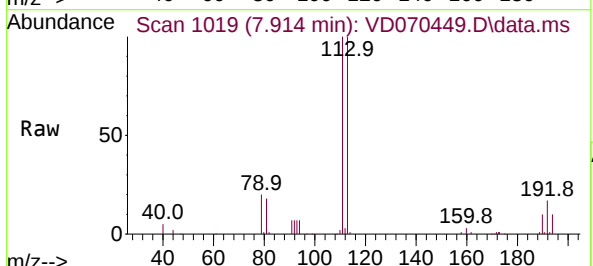
Tgt Ion:113 Resp: 132238

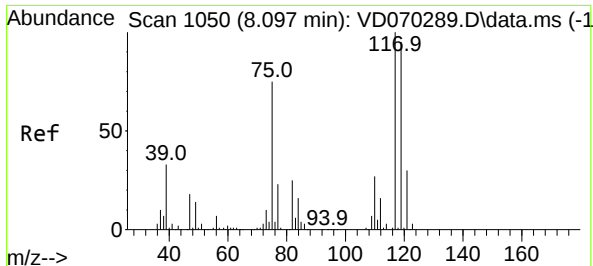
Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.2

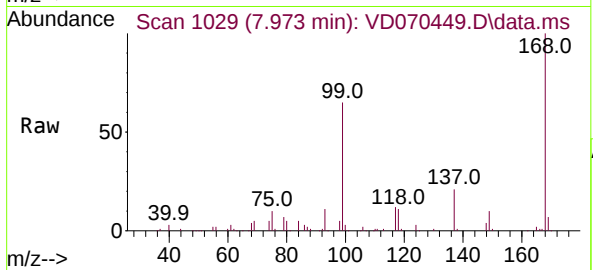
192 16.3 13.0 19.6



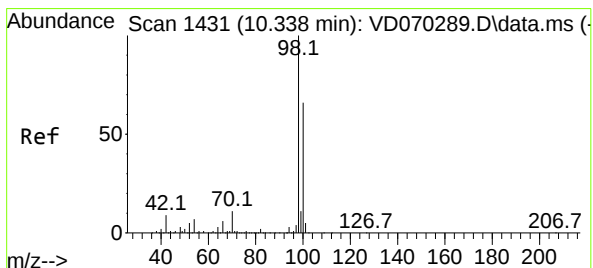
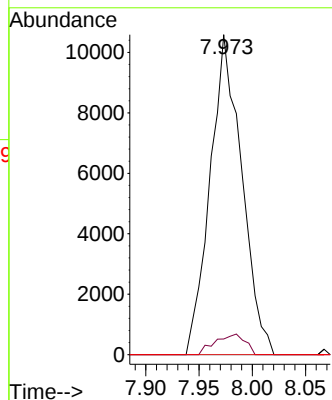
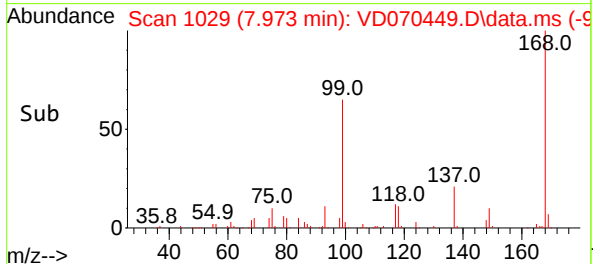


#38  
Carbon Tetrachloride  
Concen: 5.334 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.124 min  
Lab File: VD070449.D  
Acq: 24 Sep 2021 12:36

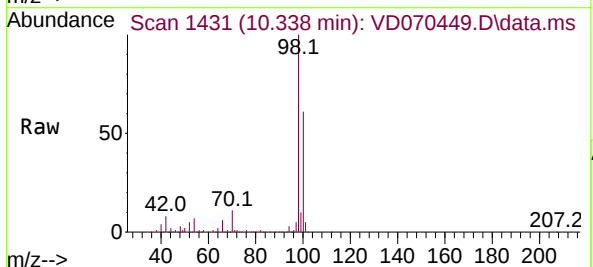
Instrument :  
MSVOA\_D  
ClientSampled :



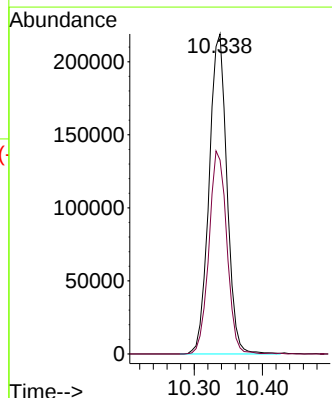
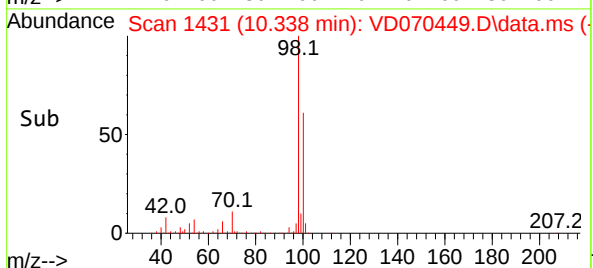
Tgt Ion:117 Resp: 21877  
Ion Ratio Lower Upper  
117 100  
119 4.9 76.1 114.1#  
121 0.0 23.8 35.6#

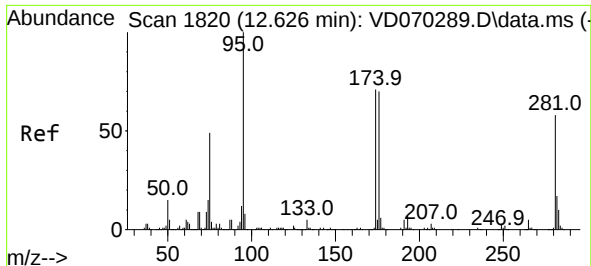


#50  
Toluene-d8  
Concen: 39.715 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD070449.D  
Acq: 24 Sep 2021 12:36



Tgt Ion: 98 Resp: 398224  
Ion Ratio Lower Upper  
98 100  
100 63.4 52.0 78.0

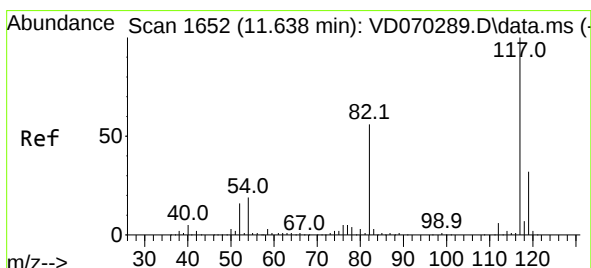
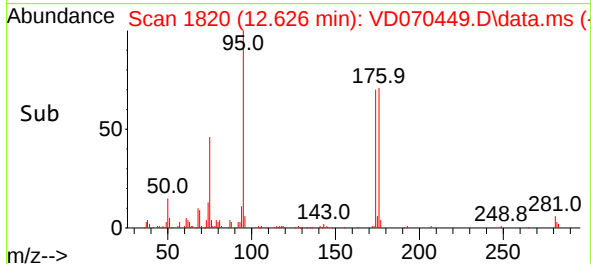
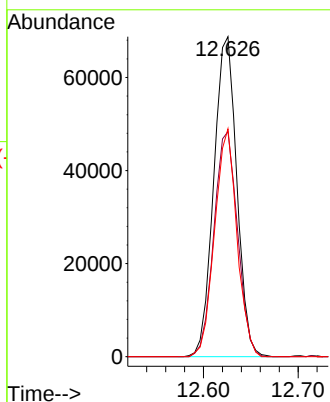
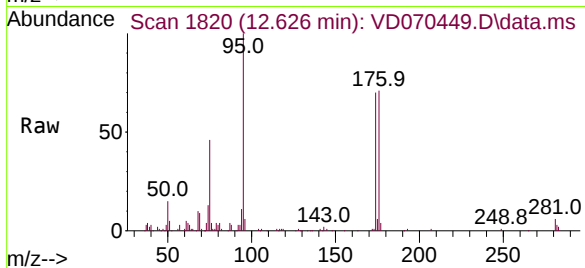




#62  
4-Bromofluorobenzene  
Concen: 33.175 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD070449.D  
Acq: 24 Sep 2021 12:36

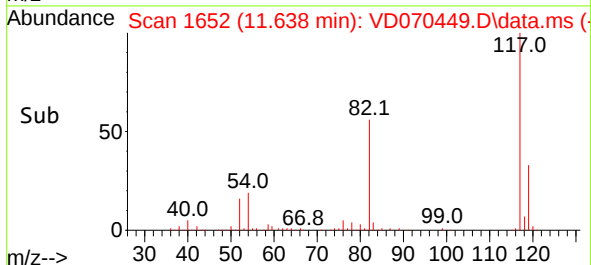
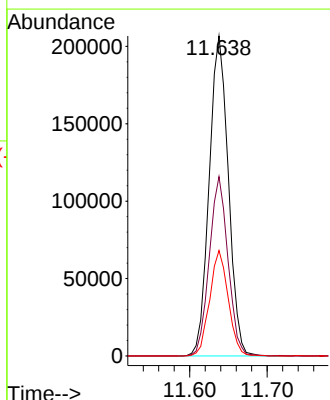
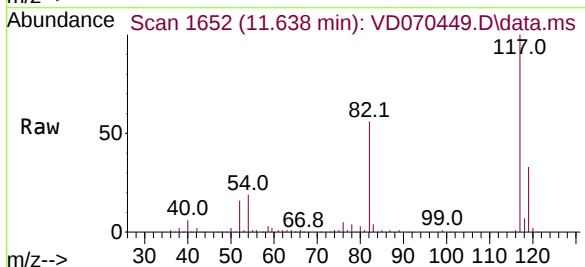
Instrument :  
MSVOA\_D  
ClientSampleId :

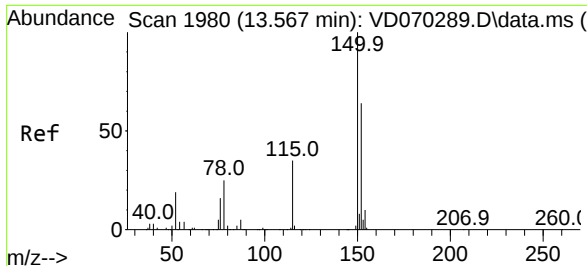
Tgt Ion: 95 Resp: 116254  
Ion Ratio Lower Upper  
95 100  
174 72.2 0.0 140.6  
176 69.0 0.0 137.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070449.D  
Acq: 24 Sep 2021 12:36

Tgt Ion: 117 Resp: 354727  
Ion Ratio Lower Upper  
117 100  
82 56.1 45.0 67.4  
119 33.0 25.2 37.8

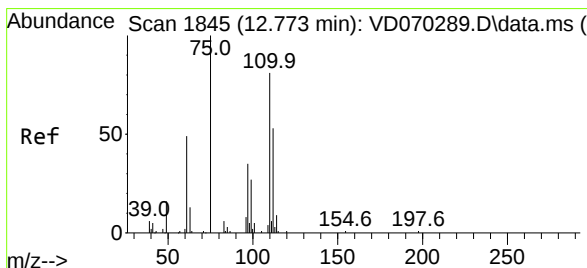
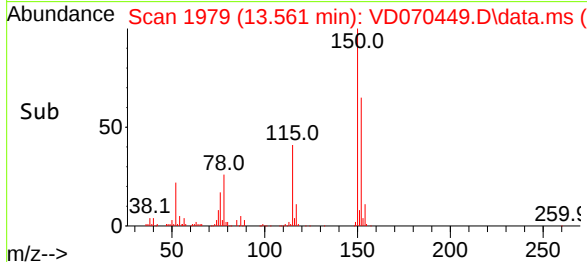
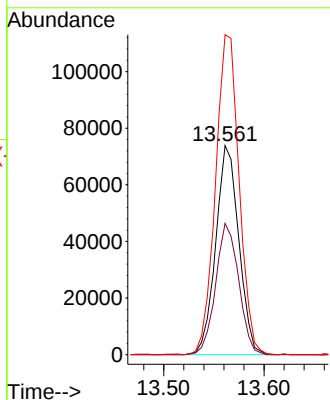
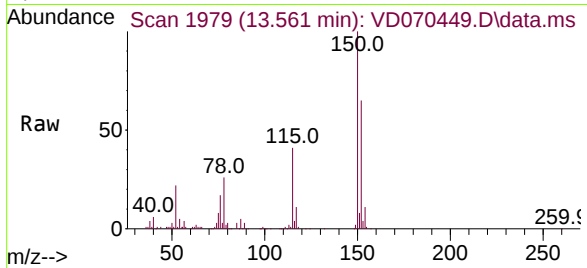




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. -0.006 min  
 Lab File: VD070449.D  
 Acq: 24 Sep 2021 12:36

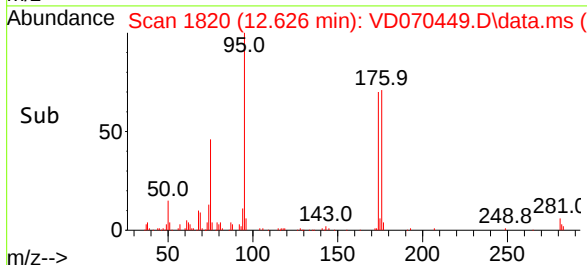
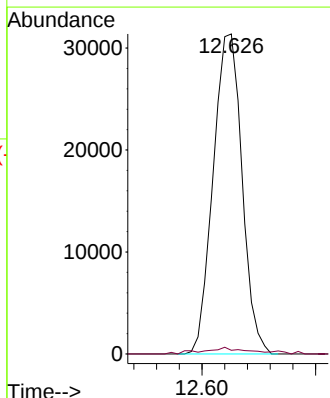
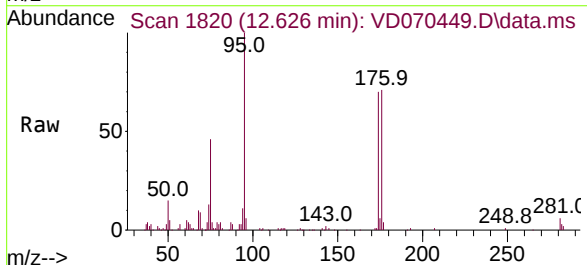
Instrument :  
 MSVOA\_D  
 ClientSampleId :

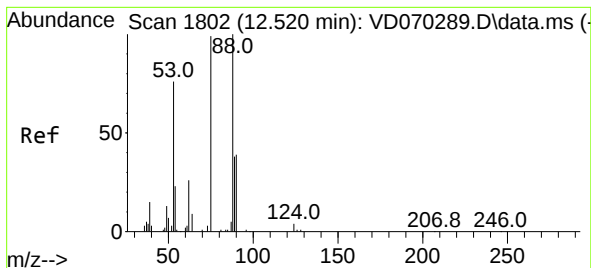
Tgt Ion:152 Resp: 117664  
 Ion Ratio Lower Upper  
 152 100  
 115 62.7 32.1 96.3  
 150 156.8 0.0 350.6



#76  
 1,2,3-Trichloropropane  
 Concen: 46.510 ug/l  
 RT: 12.626 min Scan# 1820  
 Delta R.T. -0.147 min  
 Lab File: VD070449.D  
 Acq: 24 Sep 2021 12:36

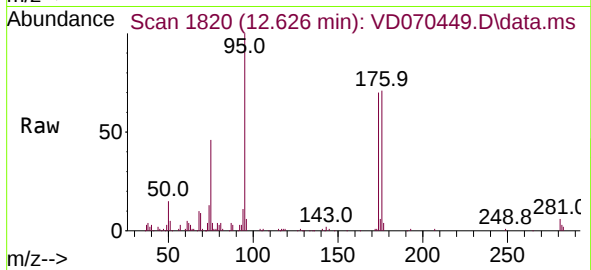
Tgt Ion: 75 Resp: 55355  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 174.9 524.7#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 116.534 ug/l  
 RT: 12.626 min Scan# 1820  
 Delta R.T. 0.106 min  
 Lab File: VD070449.D  
 Acq: 24 Sep 2021 12:36

Instrument :  
 MSVOA\_D  
 ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 0.0   | 64.2  | 96.2# |
| 89      | 0.0   | 35.6  | 53.4# |

