

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080921\  
 Data File : VD070007.D  
 Acq On : 09 Aug 2021 20:18  
 Operator : VA/SY  
 Sample : M3299-03  
 Misc : 6.23G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Aug 10 07:06:47 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 04:51:13 2021  
 Response via : Initial Calibration

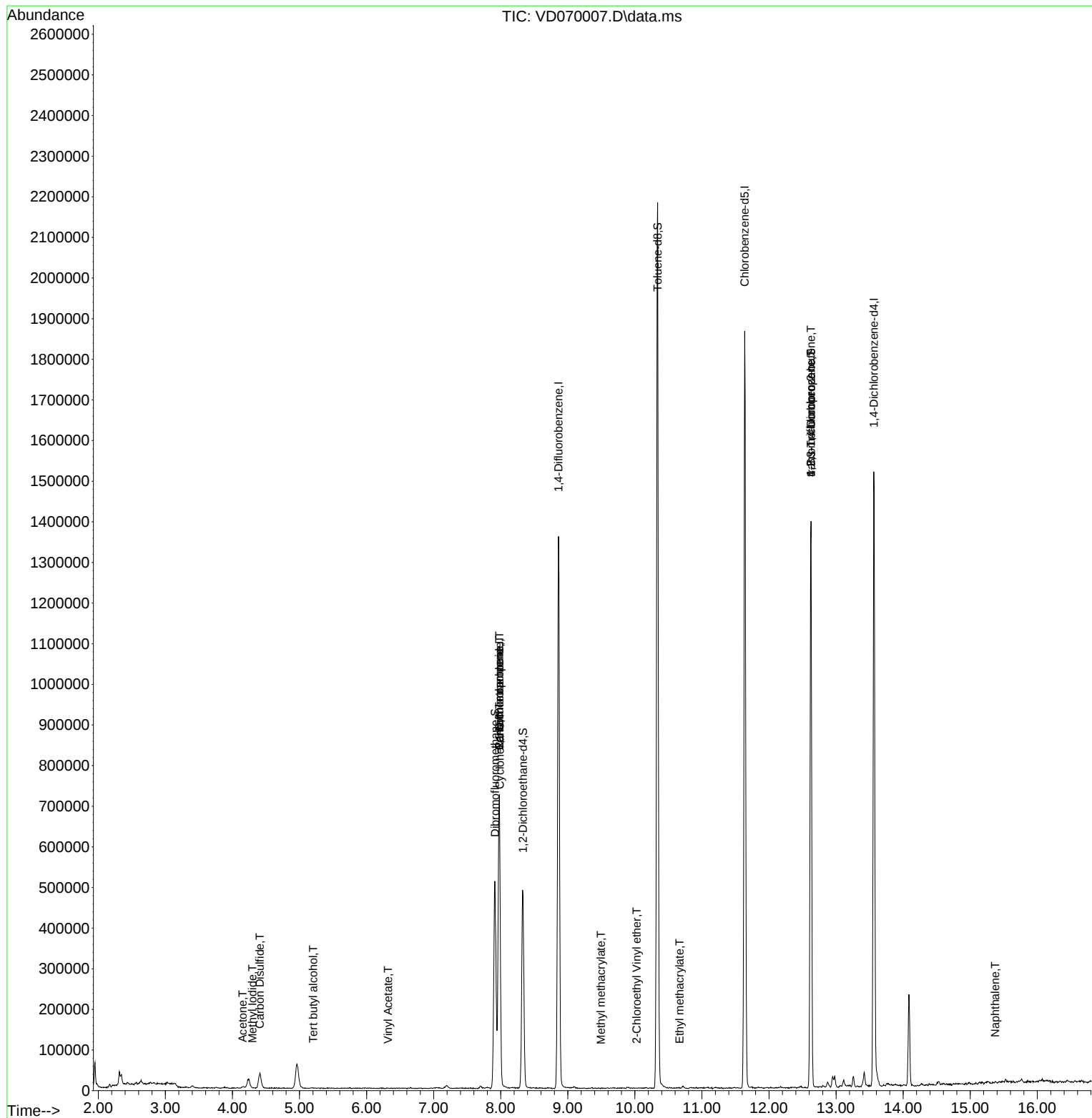
| Compound                      | R.T.           | QIon | Response            | Conc           | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|----------------|--------|----------|
| -----                         |                |      |                     |                |        |          |
| Internal Standards            |                |      |                     |                |        |          |
| 1) Pentafluorobenzene         | 7.979          | 168  | 504970              | 50.000         | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861          | 114  | 1140528             | 50.000         | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638         | 117  | 1071036             | 50.000         | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561         | 152  | 407440              | 50.000         | ug/l   | 0.00     |
|                               |                |      |                     |                |        |          |
| System Monitoring Compounds   |                |      |                     |                |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332          | 65   | 383159              | 65.975         | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 131.960% |                |        |          |
| 35) Dibromofluoromethane      | 7.914          | 113  | 379241              | 52.746         | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 105.500% |                |        |          |
| 50) Toluene-d8                | 10.338         | 98   | 1480249             | 53.393         | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 106.780% |                |        |          |
| 62) 4-Bromofluorobenzene      | 12.626         | 95   | 446229              | 48.161         | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 96.320%  |                |        |          |
|                               |                |      |                     |                |        |          |
| Target Compounds              |                |      |                     |                | Qvalue |          |
| 5) Bromomethane               | 2.779          | 94   | 2937                | Below Cal      |        | 84       |
| 10) Methyl Iodide             | 4.297          | 142  | 48                  | 3.470 ug/l #   |        | 1        |
| 11) Tert butyl alcohol        | 5.203          | 59   | 1686                | 5.610 ug/l #   |        | 73       |
| 16) Acetone                   | 4.150          | 43   | 3110                | 2.964 ug/l #   |        | 69       |
| 17) Carbon Disulfide          | 4.409          | 76   | 78580               | 3.804 ug/l     |        | 99       |
| 23) Vinyl Acetate             | 6.320          | 43   | 58                  | 20.354 ug/l #  |        | 71       |
| 31) Cyclohexane               | 7.985          | 56   | 12529               | 1.104 ug/l #   |        | 1        |
| 36) 1,1-Dichloropropene       | 7.979          | 75   | 47705               | 3.876 ug/l #   |        | 49       |
| 38) Carbon Tetrachloride      | 7.979          | 117  | 56005               | 4.981 ug/l #   |        | 17       |
| 48) Methyl methacrylate       | 9.491          | 41   | 61                  | 2.760 ug/l #   |        | 13       |
| 56) Ethyl methacrylate        | 10.667         | 69   | 170                 | 3.915 ug/l #   |        | 65       |
| 58) 2-Chloroethyl Vinyl ether | 10.026         | 63   | 54                  | 20.884 ug/l #  |        | 48       |
| 76) 1,2,3-Trichloropropane    | 12.626         | 75   | 216688              | 50.034 ug/l #  |        | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.626         | 75   | 216688              | 151.791 ug/l # |        | 16       |
| 95) Naphthalene               | 15.373         | 128  | 830                 | 5.055 ug/l #   |        | 69       |
| -----                         |                |      |                     |                |        |          |

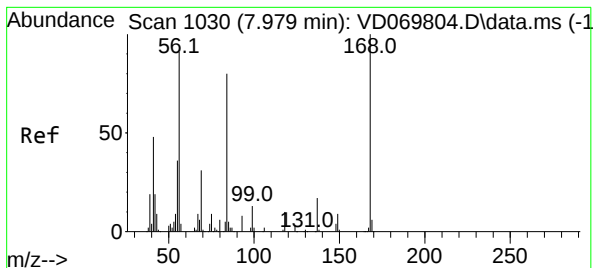
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080921\  
Data File : VD070007.D  
Acq On : 09 Aug 2021 20:18  
Operator : VA/SY  
Sample : M3299-03  
Misc : 6.23G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Aug 10 07:06:47 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 04:51:13 2021  
Response via : Initial Calibration

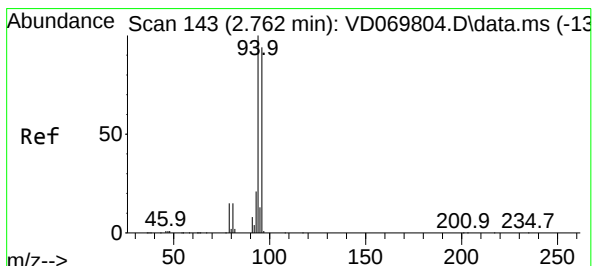
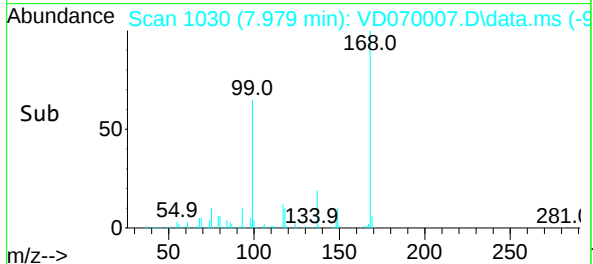
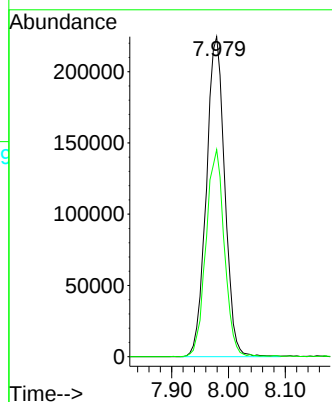
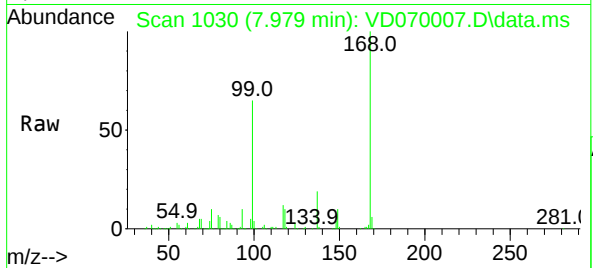




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

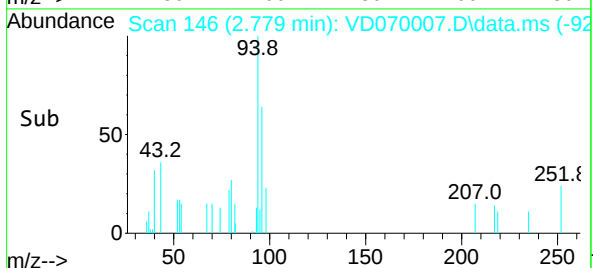
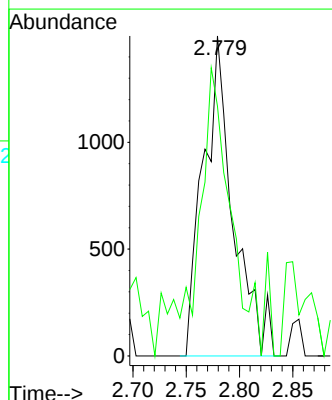
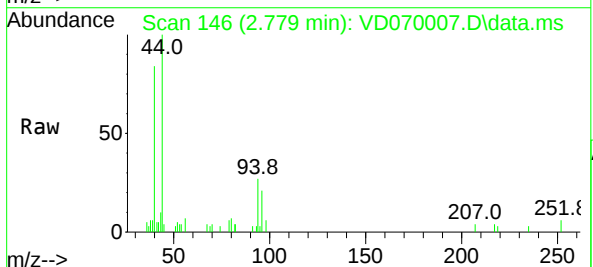
Instrument :  
MSVOA\_D  
ClientSampled :

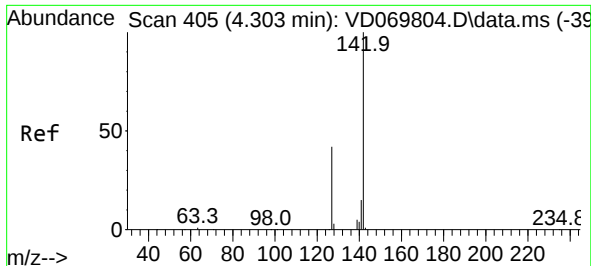
Tgt Ion:168 Resp: 504970  
Ion Ratio Lower Upper  
168 100  
99 64.7 51.1 76.7



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.779 min Scan# 146  
Delta R.T. 0.017 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

Tgt Ion: 94 Resp: 2937  
Ion Ratio Lower Upper  
94 100  
96 78.0 74.8 112.2

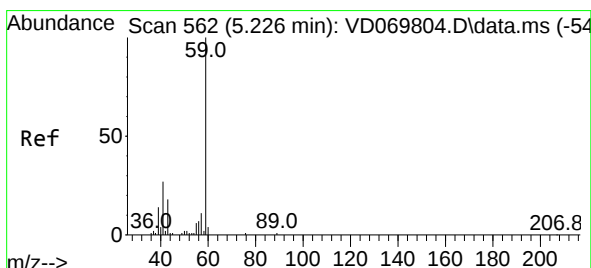
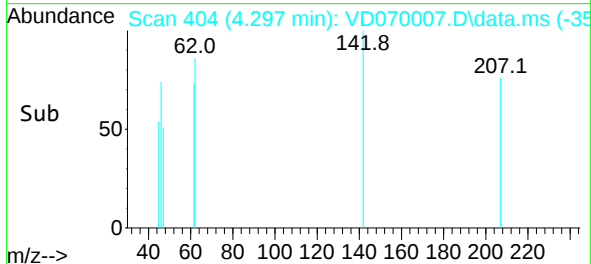
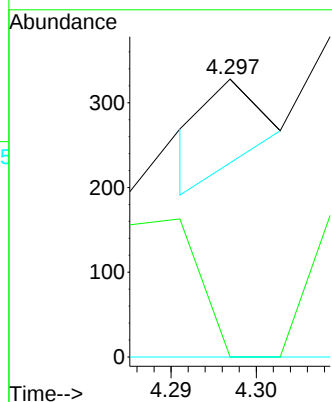
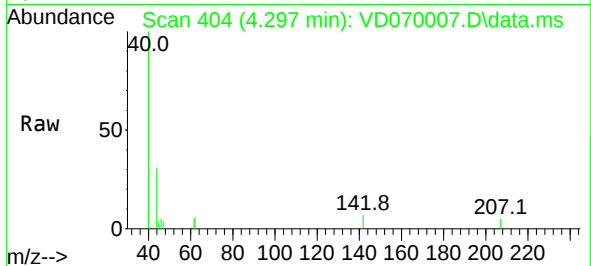




#10  
Methyl Iodide  
Concen: 3.470 ug/l  
RT: 4.297 min Scan# 404  
Delta R.T. -0.006 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

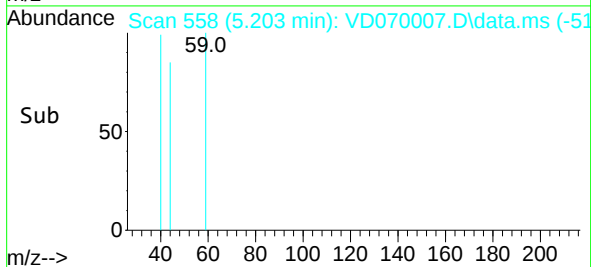
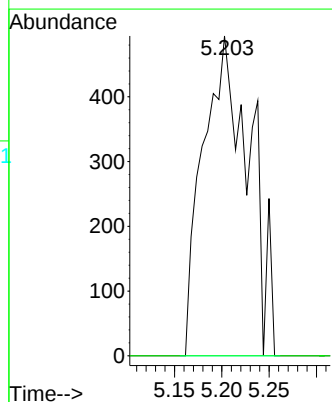
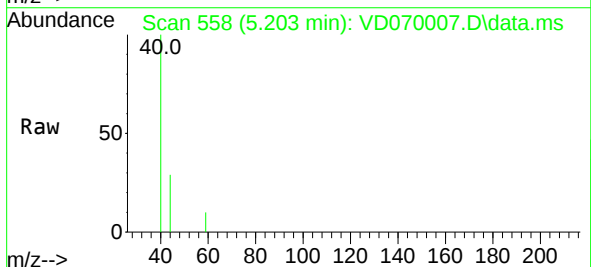
Instrument :  
MSVOA\_D  
ClientSampled :

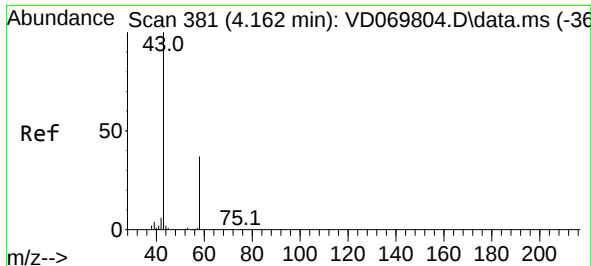
Tgt Ion:142 Resp: 48  
Ion Ratio Lower Upper  
142 100  
127 235.4 35.7 53.5#  
141 0.0 12.0 18.0#



#11  
Tert butyl alcohol  
Concen: 5.610 ug/l  
RT: 5.203 min Scan# 558  
Delta R.T. -0.024 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

Tgt Ion: 59 Resp: 1686  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#

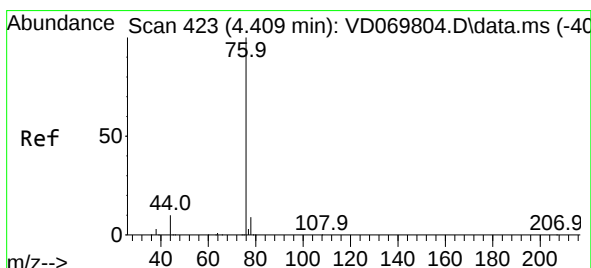
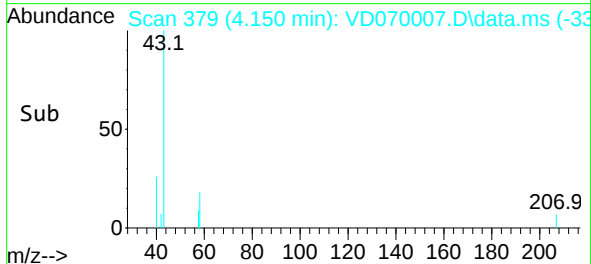
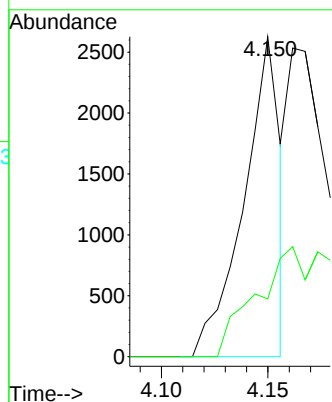
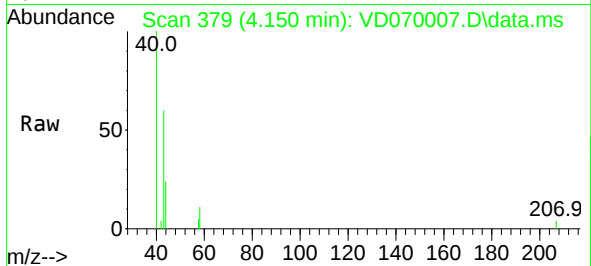




#16  
Acetone  
Concen: 2.964 ug/l  
RT: 4.150 min Scan# 379  
Delta R.T. -0.012 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

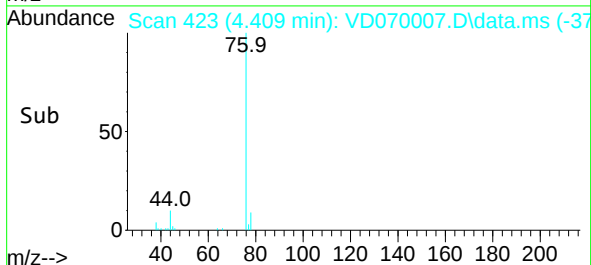
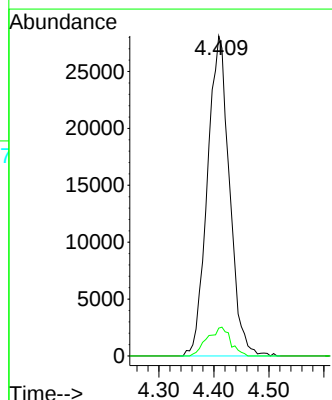
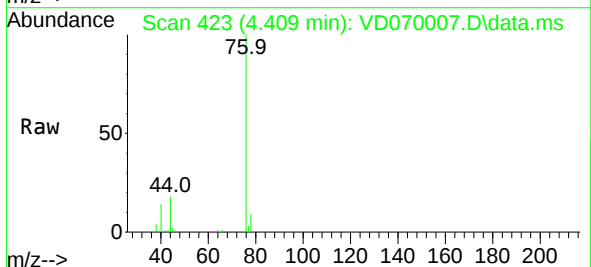
Instrument :  
MSVOA\_D  
ClientSampled :

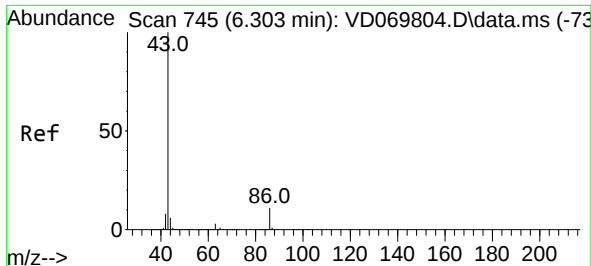
Tgt Ion: 43 Resp: 3110  
Ion Ratio Lower Upper  
43 100  
58 18.0 29.4 44.0#



#17  
Carbon Disulfide  
Concen: 3.804 ug/l  
RT: 4.409 min Scan# 423  
Delta R.T. -0.000 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

Tgt Ion: 76 Resp: 78580  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.3 10.9

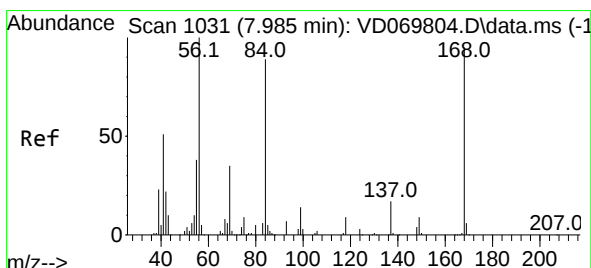
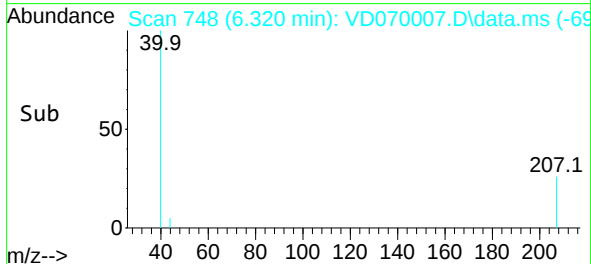
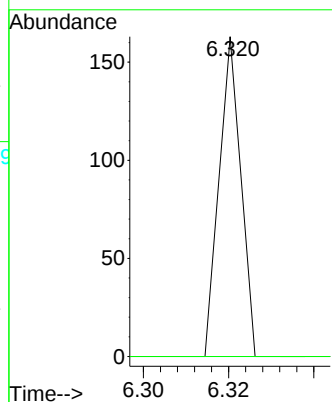
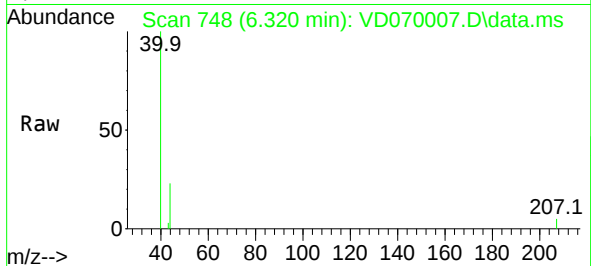




#23  
 Vinyl Acetate  
 Concen: 20.354 ug/l  
 RT: 6.320 min Scan# 748  
 Delta R.T. 0.017 min  
 Lab File: VD070007.D  
 Acq: 09 Aug 2021 20:18

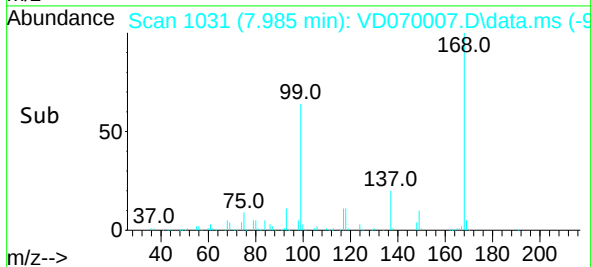
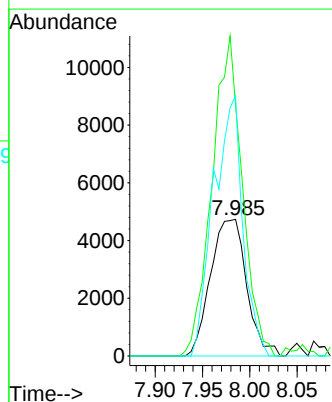
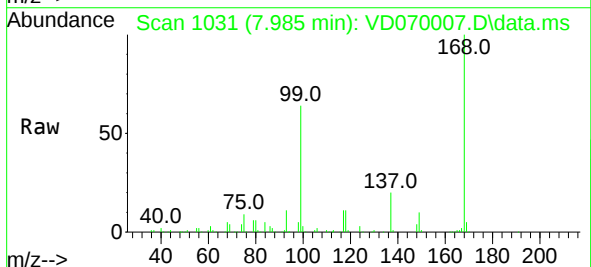
Instrument :  
 MSVOA\_D  
 ClientSampled :

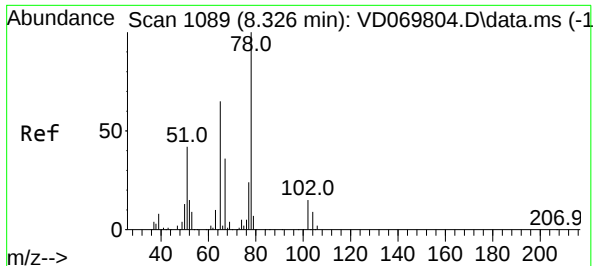
Tgt Ion: 43 Resp: 58  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 8.6 13.0#



#31  
 Cyclohexane  
 Concen: 1.104 ug/l  
 RT: 7.985 min Scan# 1031  
 Delta R.T. -0.000 min  
 Lab File: VD070007.D  
 Acq: 09 Aug 2021 20:18

Tgt Ion: 56 Resp: 12529  
 Ion Ratio Lower Upper  
 56 100  
 69 183.1 27.9 41.9#  
 84 190.7 71.4 107.2#

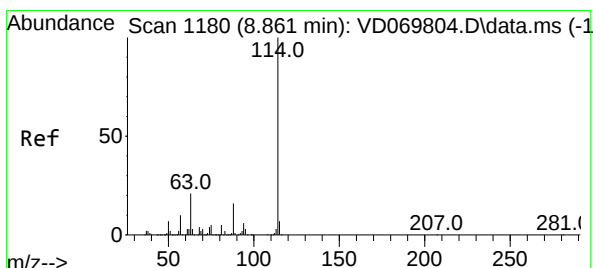
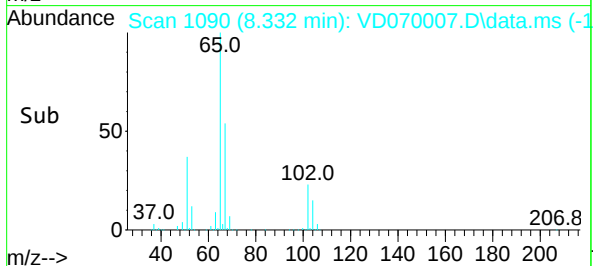
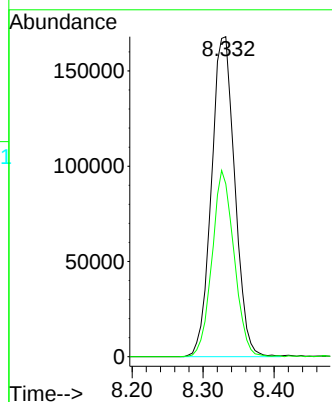
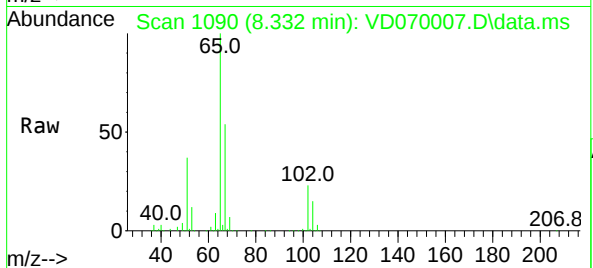




#33  
1,2-Dichloroethane-d4  
Concen: 65.975 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

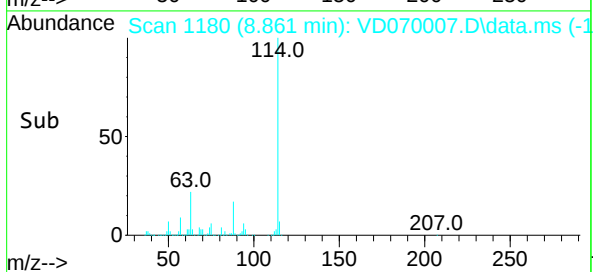
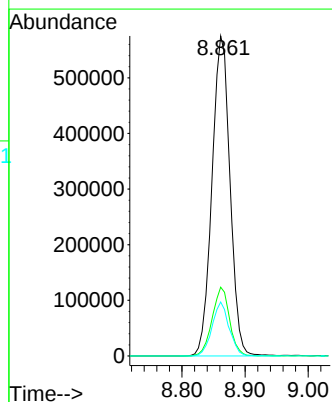
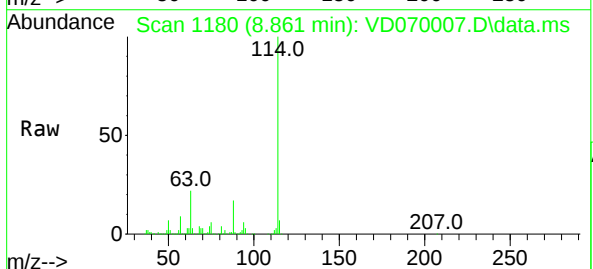
Instrument :  
MSVOA\_D  
ClientSampled :

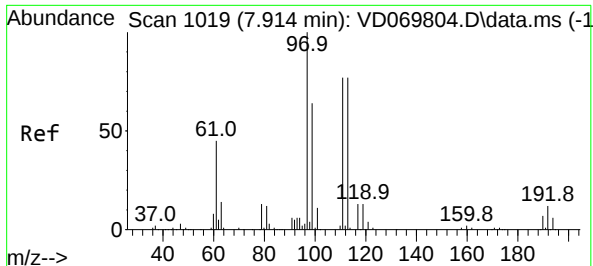
Tgt Ion: 65 Resp: 383159  
Ion Ratio Lower Upper  
65 100  
67 54.9 0.0 111.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

Tgt Ion: 114 Resp: 1140528  
Ion Ratio Lower Upper  
114 100  
63 21.5 0.0 41.6  
88 16.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.746 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070007.D

Acq: 09 Aug 2021 20:18

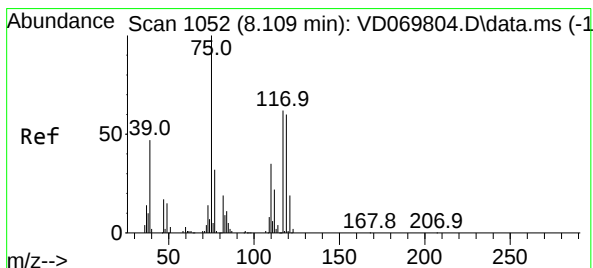
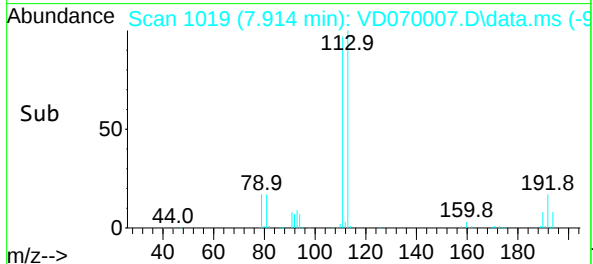
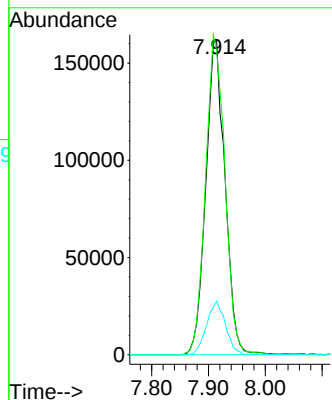
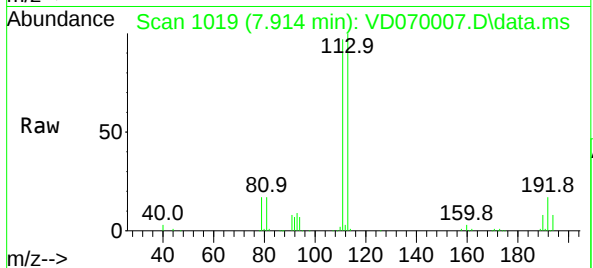
Tgt Ion:113 Resp: 379241

Ion Ratio Lower Upper

113 100

111 102.8 80.5 120.7

192 16.7 12.6 19.0



#36

1,1-Dichloropropene

Concen: 3.876 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD070007.D

Acq: 09 Aug 2021 20:18

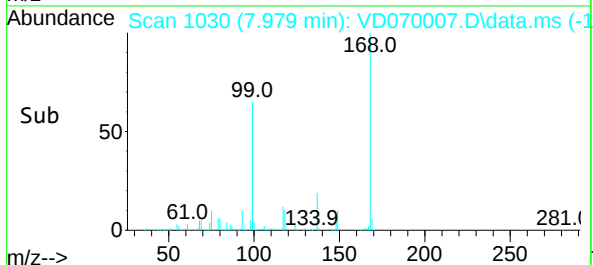
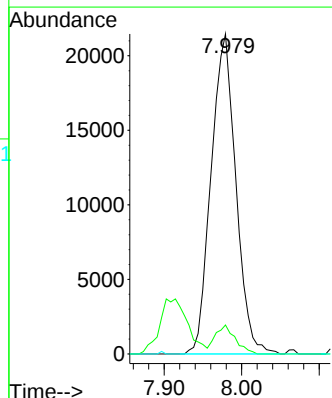
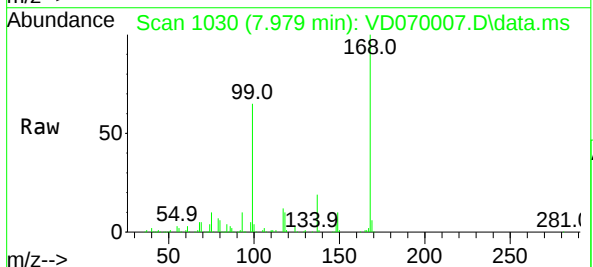
Tgt Ion: 75 Resp: 47705

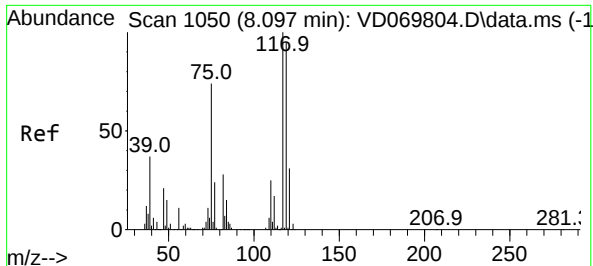
Ion Ratio Lower Upper

75 100

110 7.3 16.9 50.7#

77 0.0 24.9 37.3#

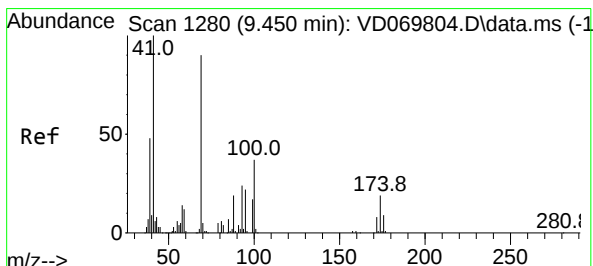
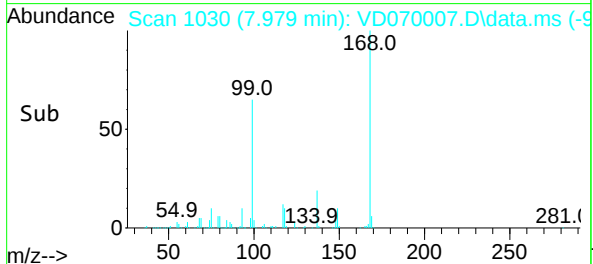
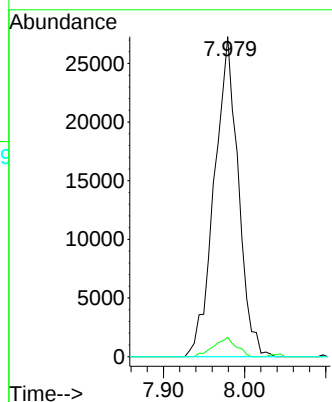
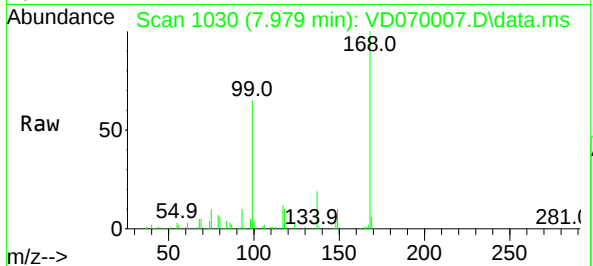




#38  
Carbon Tetrachloride  
Concen: 4.981 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.118 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

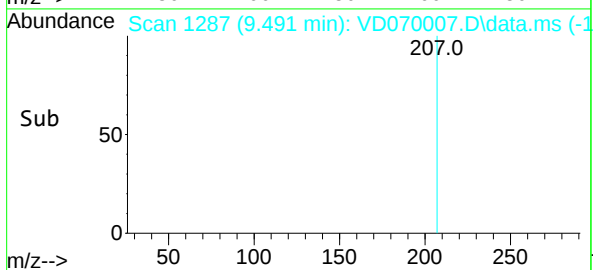
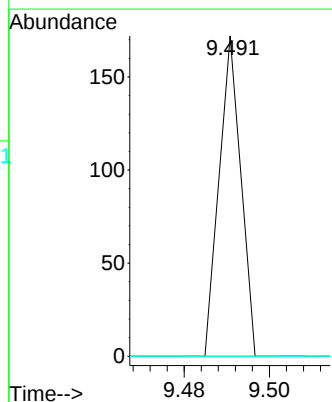
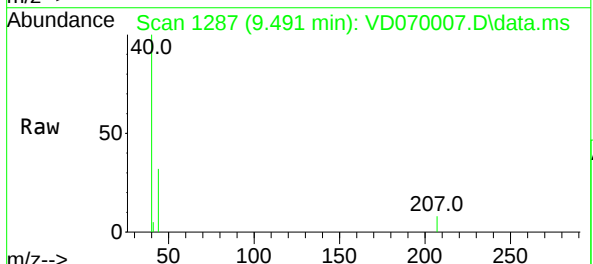
Instrument :  
MSVOA\_D  
ClientSampleId :

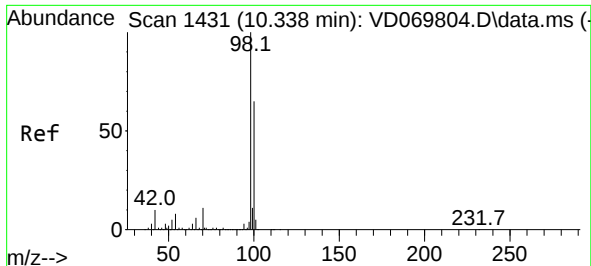
Tgt Ion:117 Resp: 56005  
Ion Ratio Lower Upper  
117 100  
119 6.0 76.2 114.2#  
121 0.0 24.5 36.7#



#48  
Methyl methacrylate  
Concen: 2.760 ug/l  
RT: 9.491 min Scan# 1287  
Delta R.T. 0.041 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

Tgt Ion: 41 Resp: 61  
Ion Ratio Lower Upper  
41 100  
69 0.0 73.4 110.2#  
39 0.0 36.6 55.0#

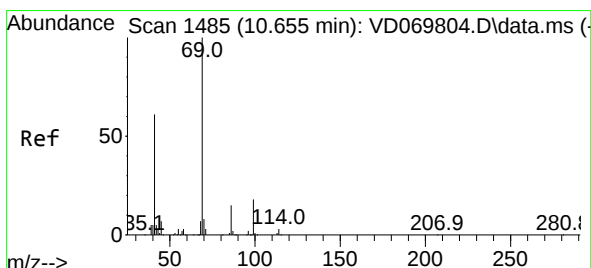
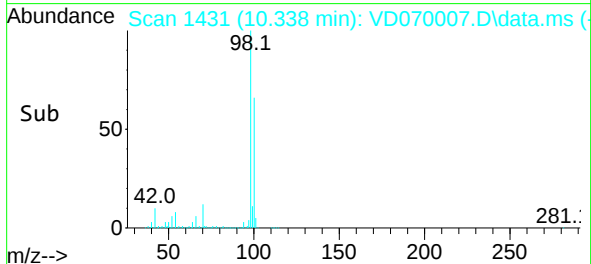
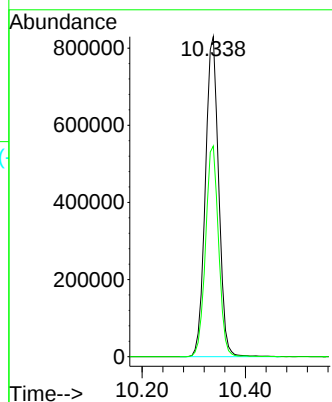
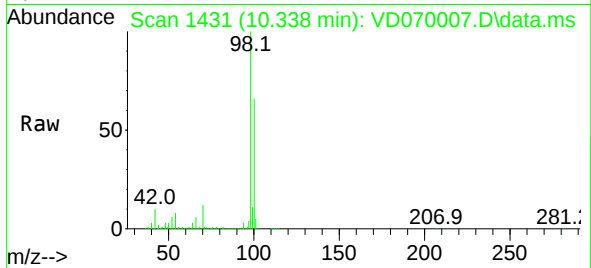




#50  
Toluene-d8  
Concen: 53.393 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

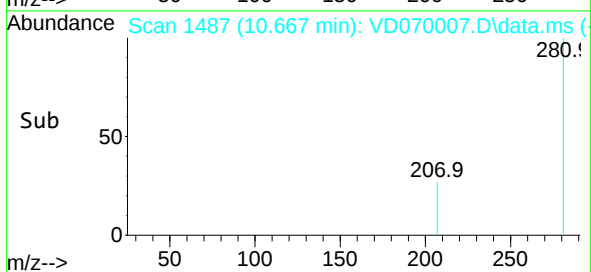
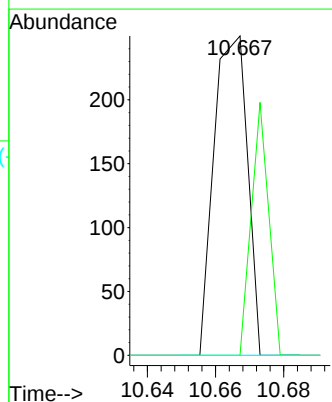
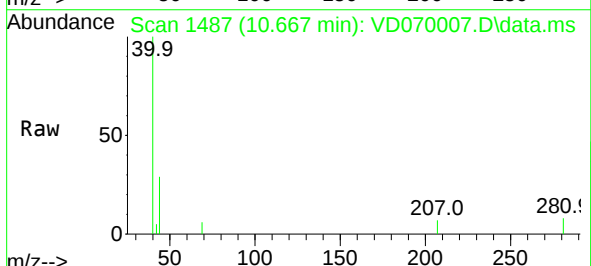
Instrument :  
MSVOA\_D  
ClientSampled :

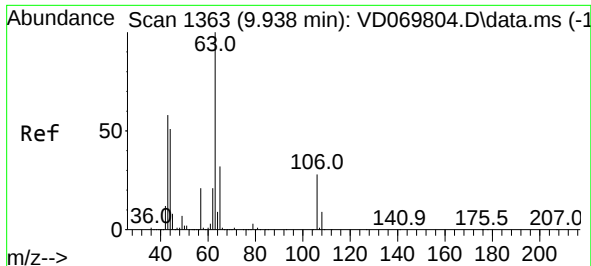
Tgt Ion: 98 Resp: 1480249  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.9 77.9



#56  
Ethyl methacrylate  
Concen: 3.915 ug/l  
RT: 10.667 min Scan# 1487  
Delta R.T. 0.012 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

Tgt Ion: 69 Resp: 170  
Ion Ratio Lower Upper  
69 100  
41 41.2 50.2 75.2#  
39 0.0 22.0 33.0#

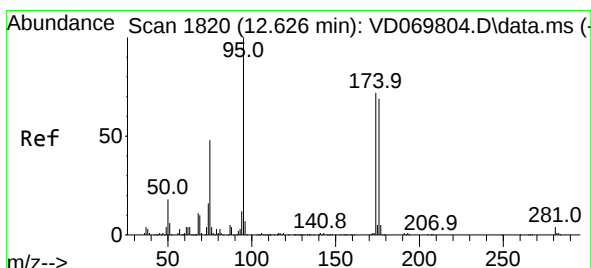
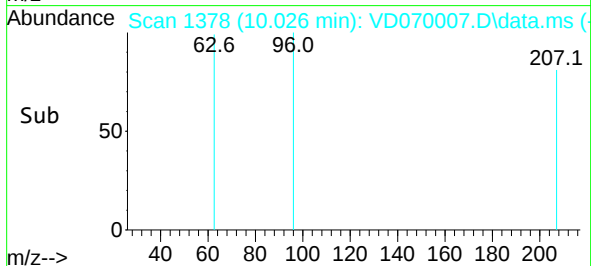
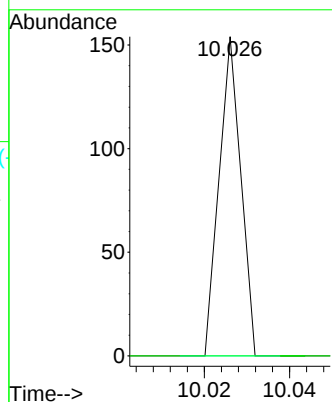
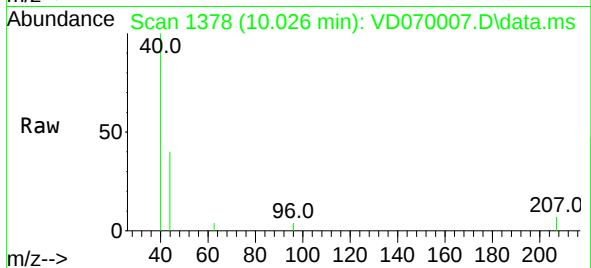




#58  
2-Chloroethyl Vinyl ether  
Concen: 20.884 ug/l  
RT: 10.026 min Scan# 1378  
Delta R.T. 0.088 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

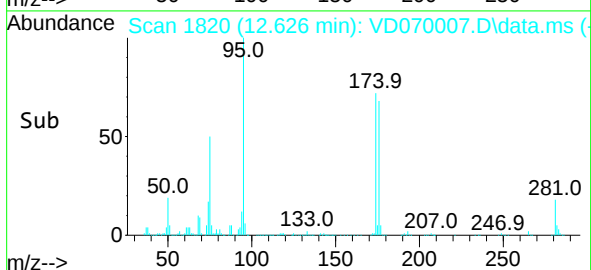
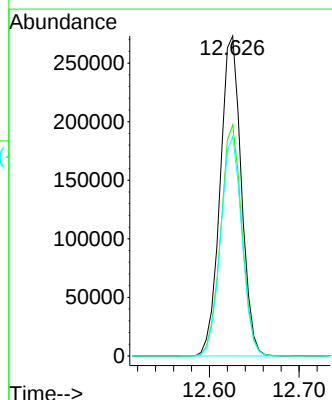
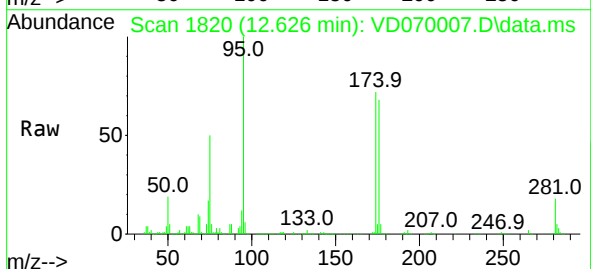
Instrument :  
MSVOA\_D  
ClientSampled :

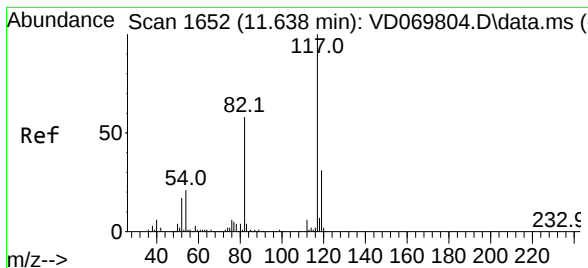
Tgt Ion: 63 Resp: 54  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.8 32.6#



#62  
4-Bromofluorobenzene  
Concen: 48.161 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

Tgt Ion: 95 Resp: 446229  
Ion Ratio Lower Upper  
95 100  
174 72.6 0.0 142.6  
176 68.9 0.0 134.2

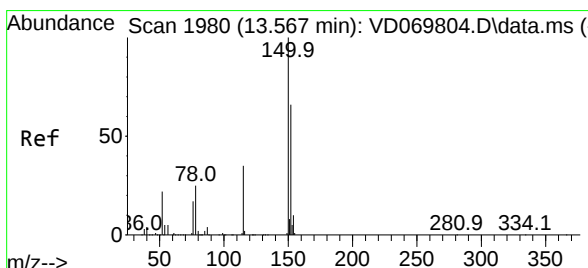
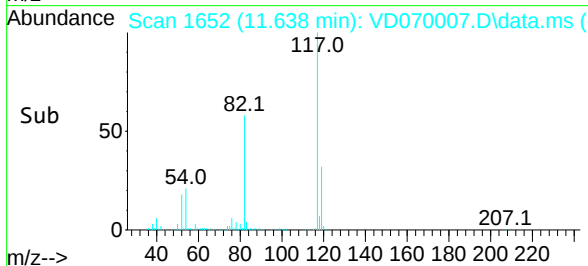
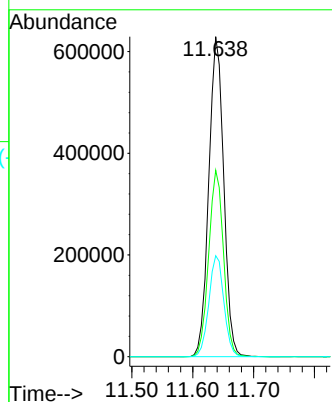
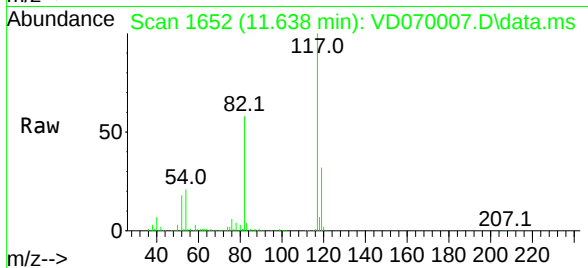




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

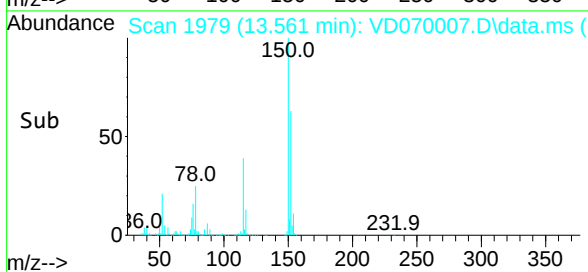
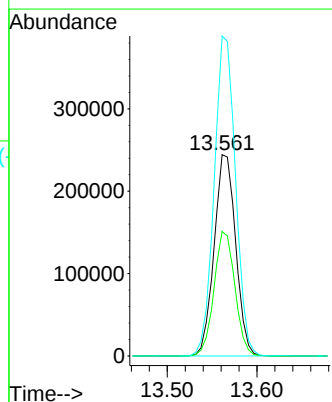
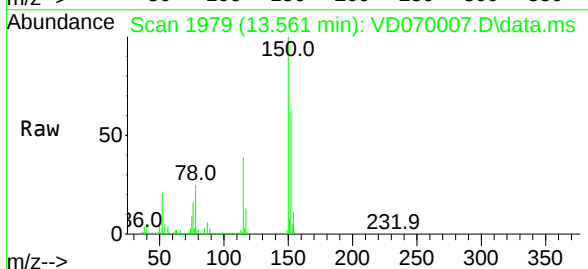
Instrument :  
MSVOA\_D  
ClientSampleId :

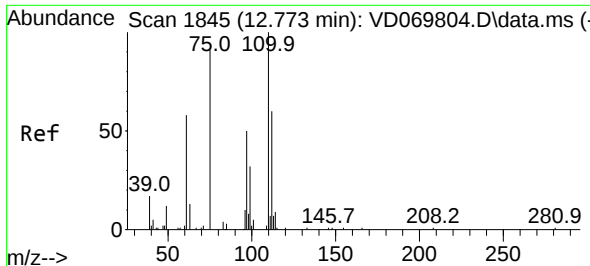
Tgt Ion:117 Resp: 1071036  
Ion Ratio Lower Upper  
117 100  
82 58.3 46.3 69.5  
119 31.5 24.7 37.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

Tgt Ion:152 Resp: 407440  
Ion Ratio Lower Upper  
152 100  
115 60.0 31.1 93.3  
150 157.0 0.0 343.0

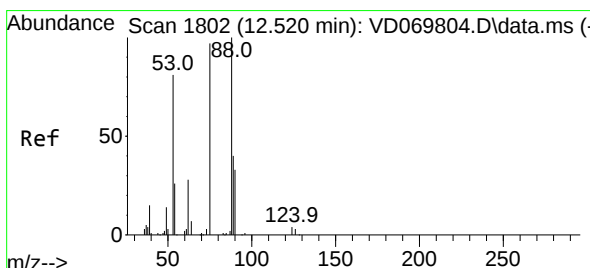
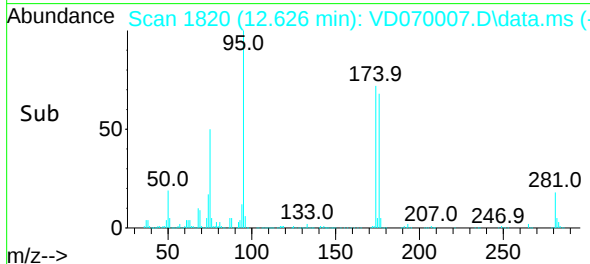
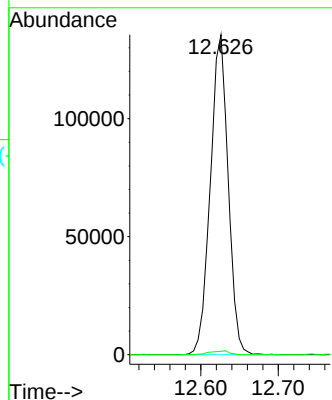
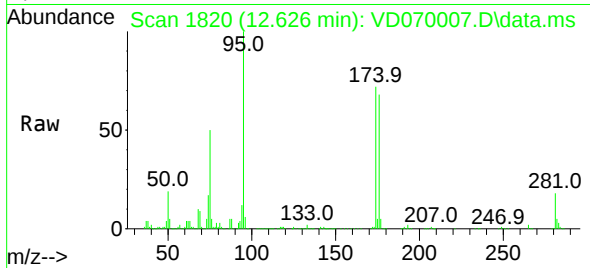




#76  
1,2,3-Trichloropropane  
Concen: 50.034 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

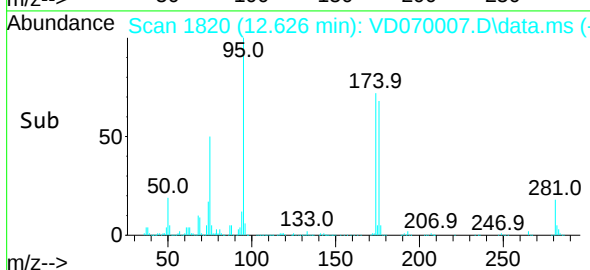
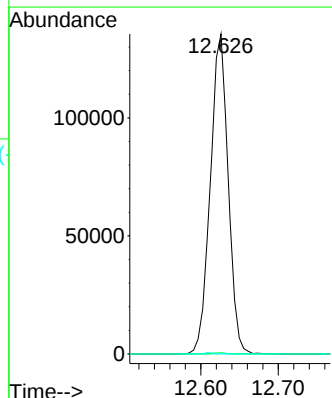
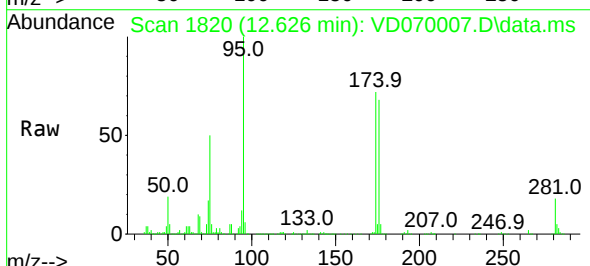
Instrument :  
MSVOA\_D  
ClientSampleId :

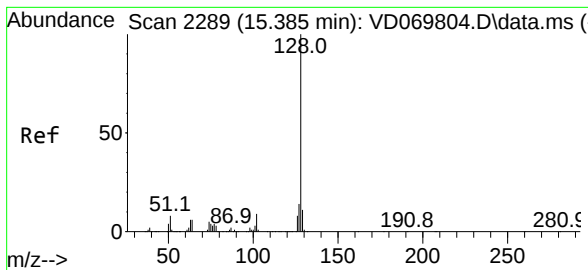
Tgt Ion: 75 Resp: 216688  
Ion Ratio Lower Upper  
75 100  
77 1.3 181.5 544.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 151.791 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

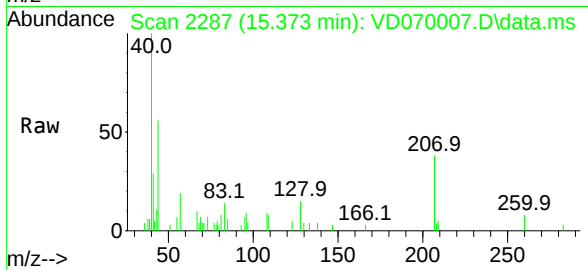
Tgt Ion: 75 Resp: 216688  
Ion Ratio Lower Upper  
75 100  
53 0.2 67.2 100.8#  
89 0.1 35.8 53.6#





#95  
Naphthalene  
Concen: 5.055 ug/l  
RT: 15.373 min Scan# 2287  
Delta R.T. -0.012 min  
Lab File: VD070007.D  
Acq: 09 Aug 2021 20:18

Instrument :  
MSVOA\_D  
ClientSampleId :



Tgt Ion:128 Resp: 830  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.6 16.0#  
129 0.0 8.6 12.8#

