

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081222\  
 Data File : VD074062.D  
 Acq On : 12 Aug 2022 14:51  
 Operator : VA/SY  
 Sample : N4107-07  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Aug 12 23:47:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081022S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 10 14:55:58 2022  
 Response via : Initial Calibration

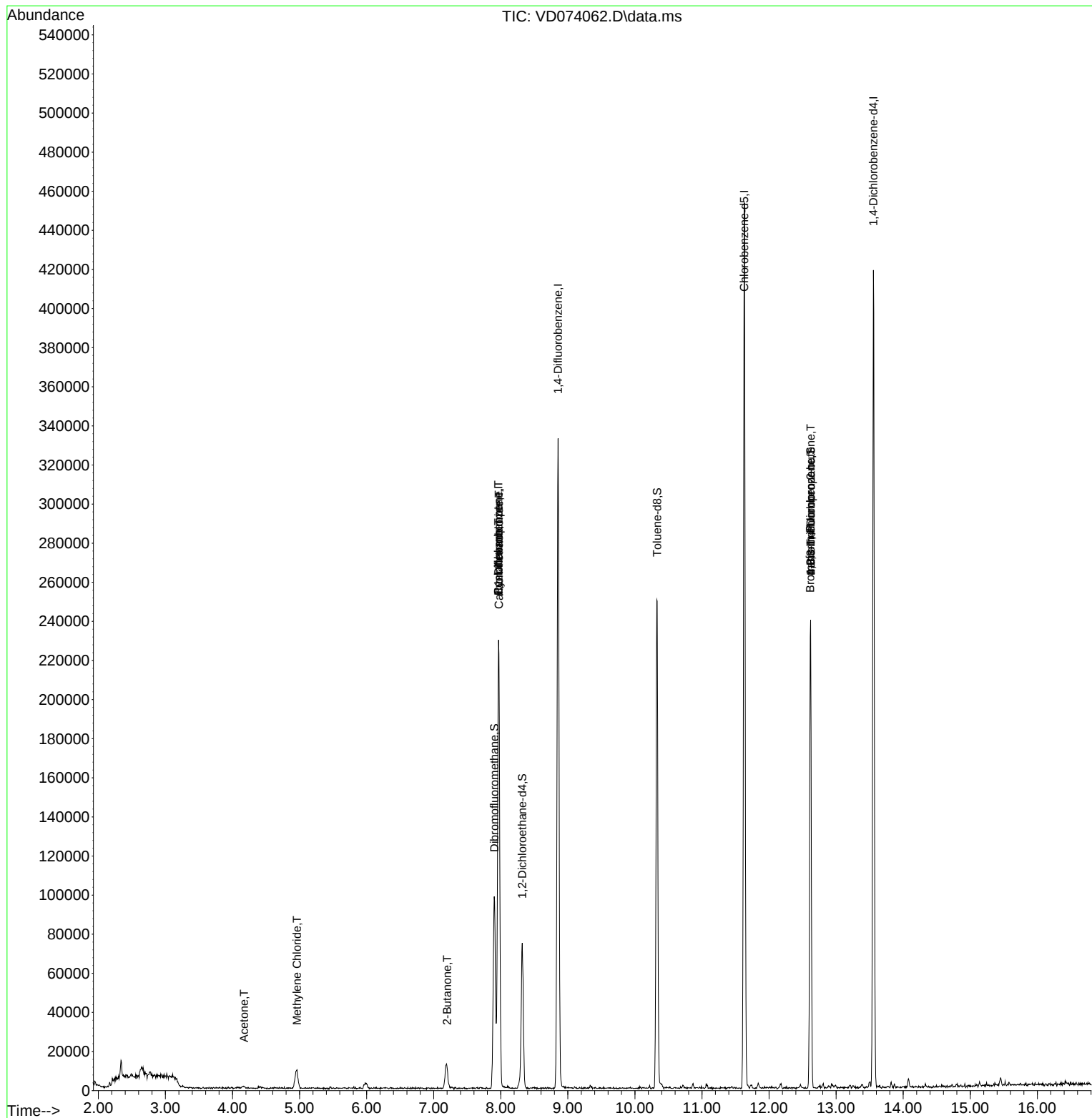
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.967          | 168  | 164032     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.855          | 114  | 280507     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.632         | 117  | 249603     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.555         | 152  | 108168     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.320          | 65   | 57445      | 43.436    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 86.880%   |        |          |
| 35) Dibromofluoromethane      | 7.903          | 113  | 69115      | 37.097    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 74.200%   |        |          |
| 50) Toluene-d8                | 10.332         | 98   | 173413     | 33.737    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 67.480%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.620         | 95   | 75224      | 32.833    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 65.660%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.991          | 85   | 514        | Below Cal | #      | 69       |
| 3) Chloromethane              | 2.215          | 50   | 1038       | Below Cal |        | 92       |
| 16) Acetone                   | 4.173          | 43   | 1991       | 7.586     | ug/l # | 46       |
| 18) Methyl Acetate            | 4.720          | 43   | 55         | Below Cal | #      | 49       |
| 20) Methylene Chloride        | 4.961          | 84   | 8181       | 1.798     | ug/l # | 91       |
| 25) 2-Butanone                | 7.203          | 43   | 640        | 1.559     | ug/l   | 96       |
| 31) Cyclohexane               | 7.967          | 56   | 4391       | 1.525     | ug/l # | 51       |
| 36) 1,1-Dichloropropene       | 7.967          | 75   | 14001      | 4.938     | ug/l # | 43       |
| 38) Carbon Tetrachloride      | 7.973          | 117  | 17741      | 5.550     | ug/l # | 19       |
| 71) Bromoform                 | 12.614         | 173  | 1126       | 1.011     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.620         | 75   | 41969      | 42.496    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620         | 75   | 41969      | 113.422   | ug/l # | 13       |
| -----                         |                |      |            |           |        |          |

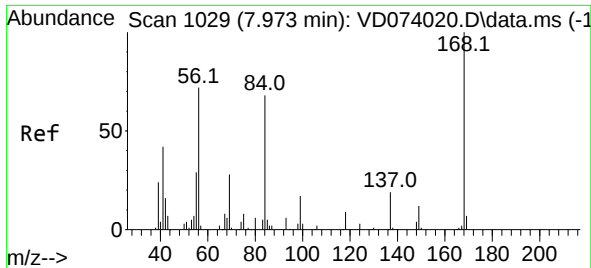
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081222\  
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Sample : N4107-07  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Aug 12 23:47:36 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081022S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 10 14:55:58 2022  
Response via : Initial Calibration

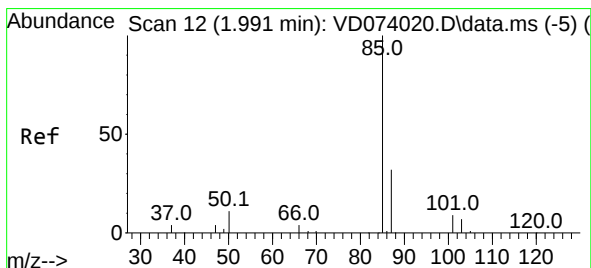
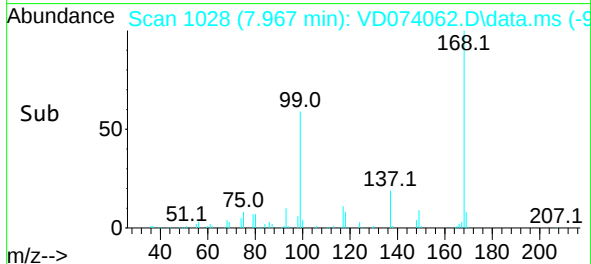
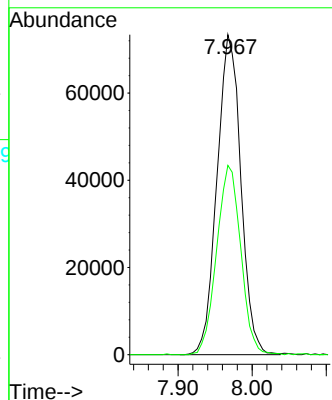
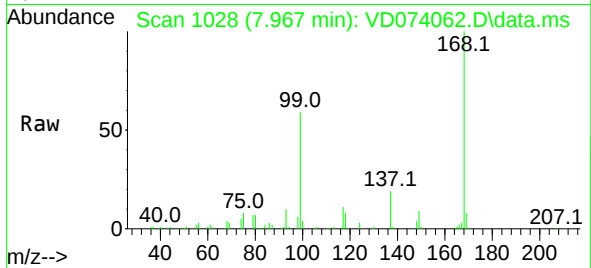




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.967 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

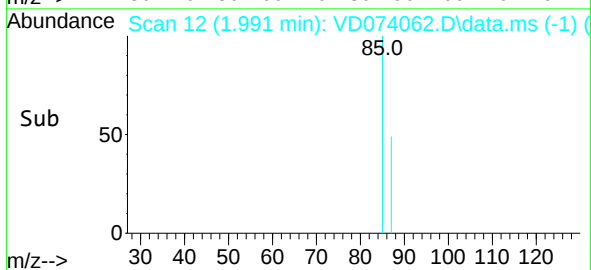
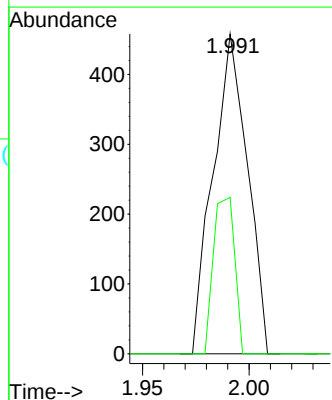
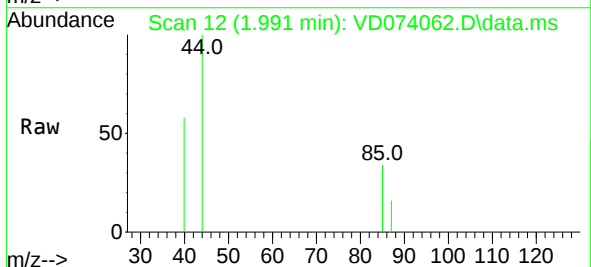
Instrument :  
MSVOA\_D  
ClientSampleId :

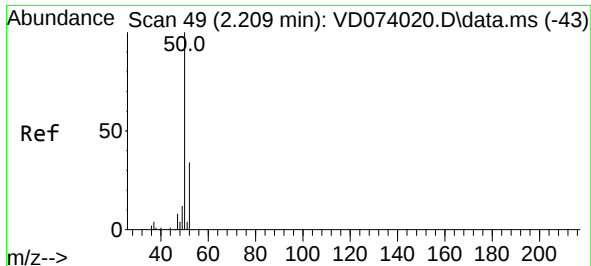
Tgt Ion:168 Resp: 164032  
Ion Ratio Lower Upper  
168 100  
99 59.2 48.3 72.5



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

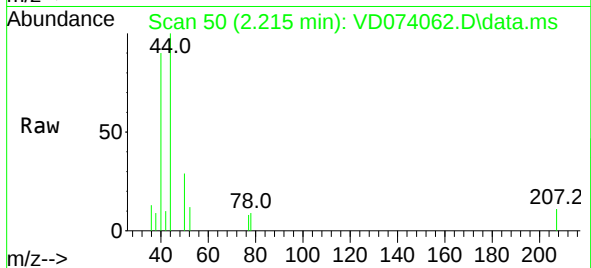
Tgt Ion: 85 Resp: 514  
Ion Ratio Lower Upper  
85 100  
87 48.9 16.0 47.9#



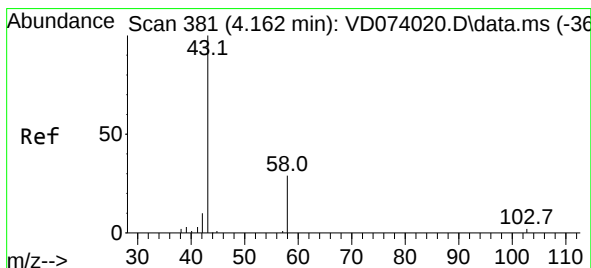
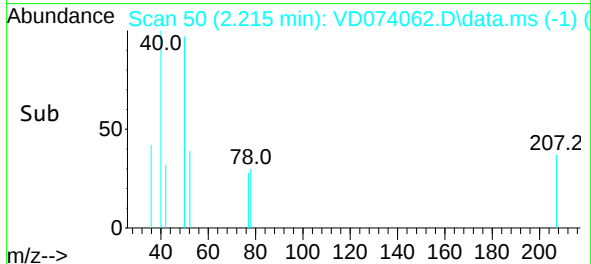
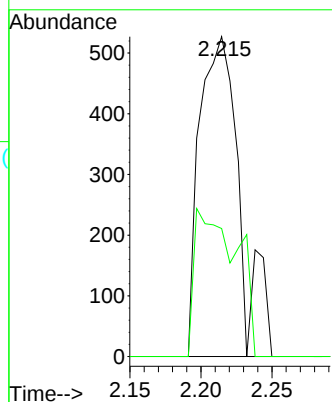


#3  
Chloromethane  
Concen: Below Cal  
RT: 2.215 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

Instrument :  
MSVOA\_D  
ClientSampleId :

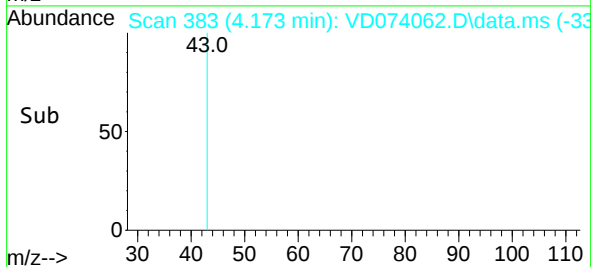
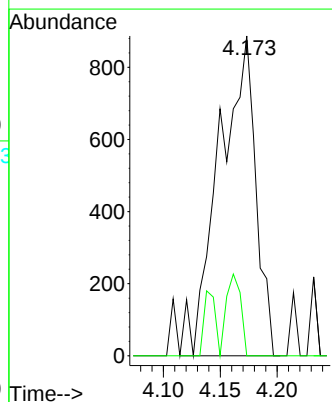
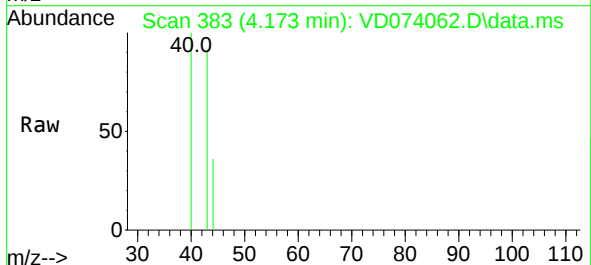


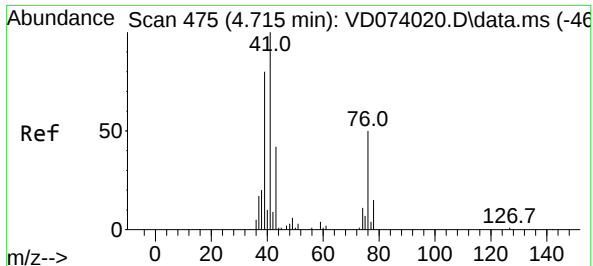
Tgt Ion: 50 Resp: 1038  
Ion Ratio Lower Upper  
50 100  
52 40.0 28.1 42.1



#16  
Acetone  
Concen: 7.586 ug/l  
RT: 4.173 min Scan# 383  
Delta R.T. 0.011 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

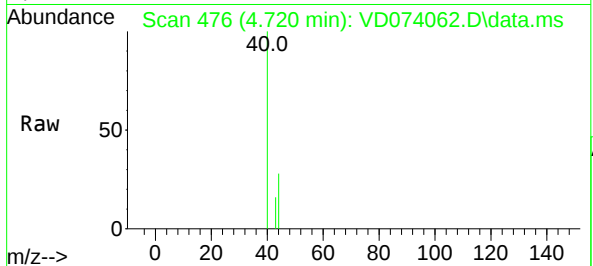
Tgt Ion: 43 Resp: 1991  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.8 34.2#



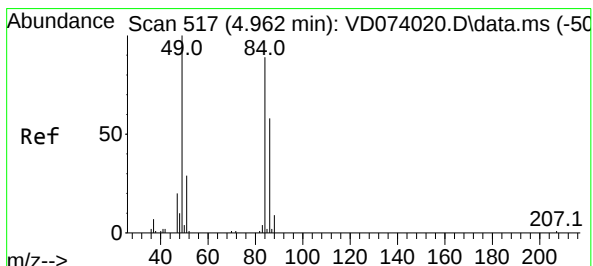
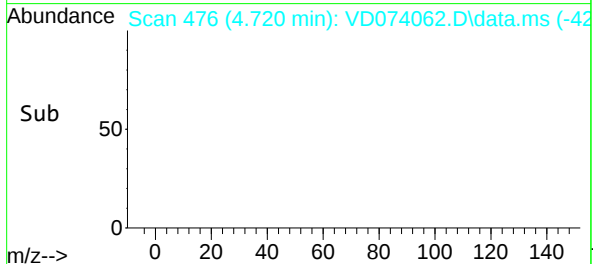
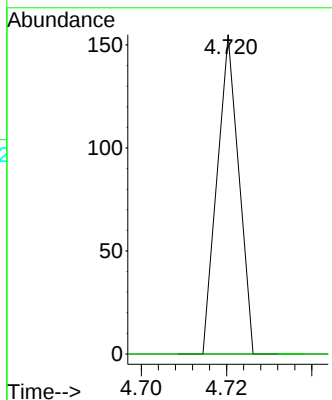


#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.720 min Scan# 41  
Delta R.T. 0.005 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

Instrument :  
MSVOA\_D  
ClientSampleId :

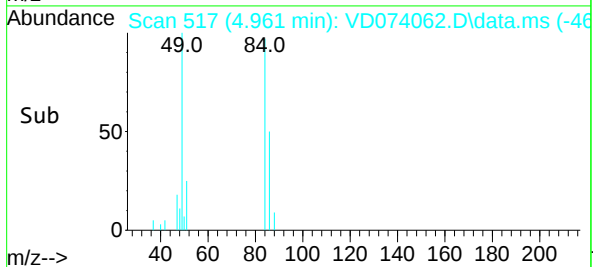
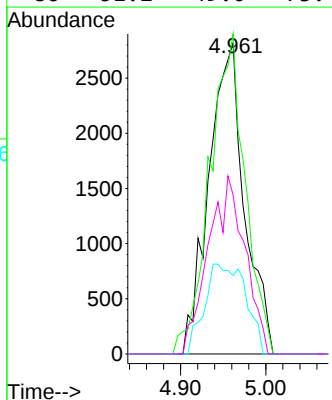
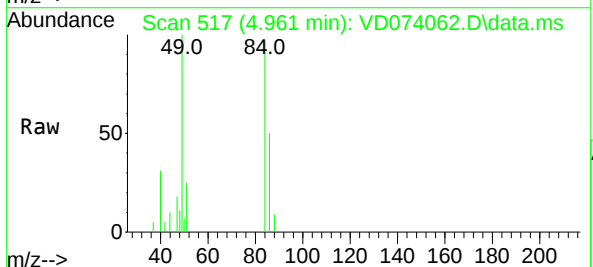


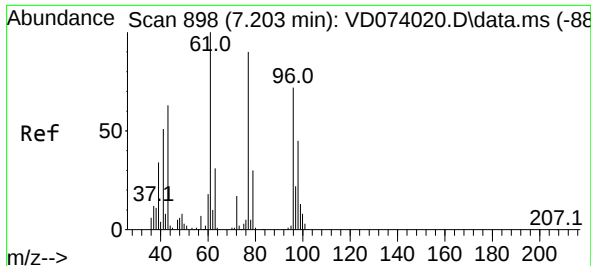
Tgt Ion: 43 Resp: 55  
Ion Ratio Lower Upper  
43 100  
74 0.0 21.0 31.4#



#20  
Methylene Chloride  
Concen: 1.798 ug/l  
RT: 4.961 min Scan# 517  
Delta R.T. -0.001 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

Tgt Ion: 84 Resp: 8181  
Ion Ratio Lower Upper  
84 100  
49 103.0 85.8 128.6  
51 25.3 28.0 42.0#  
86 51.2 49.0 73.4

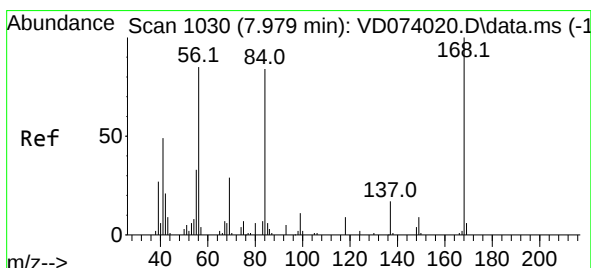
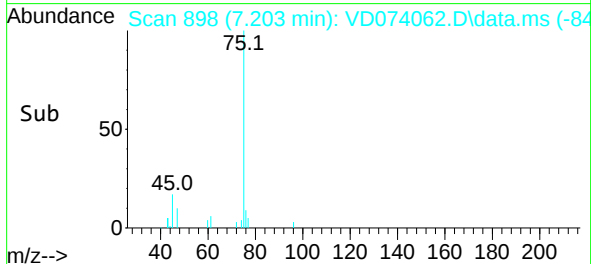
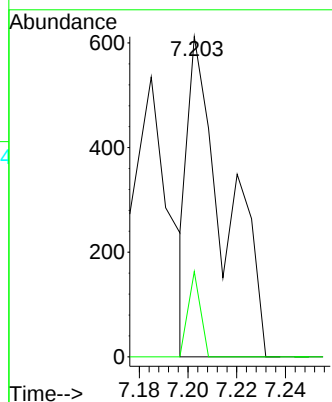
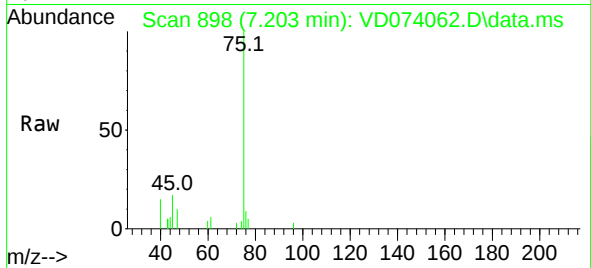




#25  
2-Butanone  
Concen: 1.559 ug/l  
RT: 7.203 min Scan# 898  
Delta R.T. -0.000 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

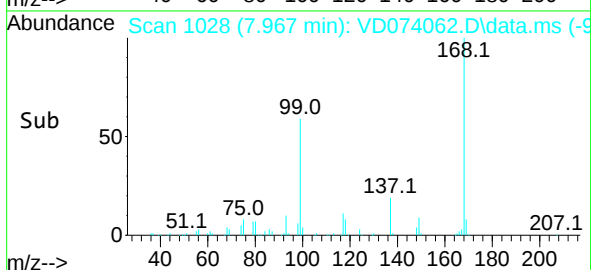
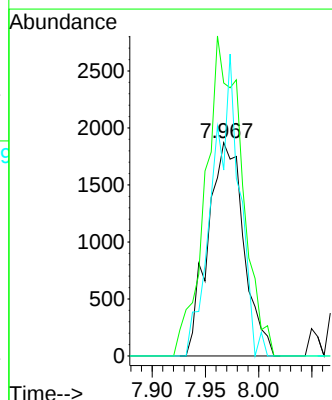
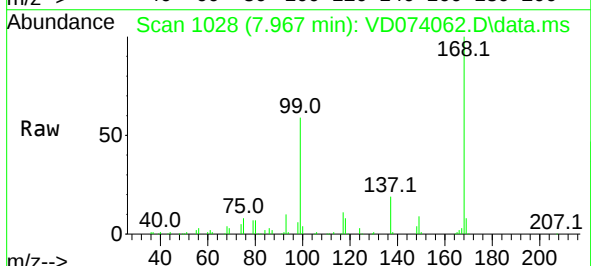
Instrument :  
MSVOA\_D  
ClientSampleId :

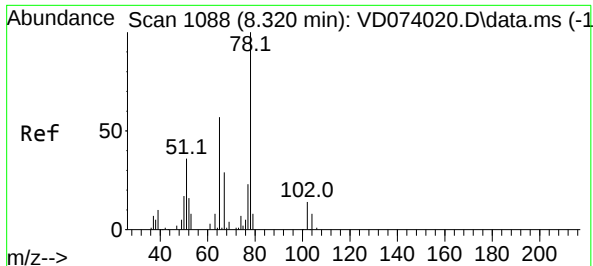
Tgt Ion: 43 Resp: 640  
Ion Ratio Lower Upper  
43 100  
72 26.6 23.0 34.6



#31  
Cyclohexane  
Concen: 1.525 ug/l  
RT: 7.967 min Scan# 1028  
Delta R.T. -0.012 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

Tgt Ion: 56 Resp: 4391  
Ion Ratio Lower Upper  
56 100  
69 128.0 27.9 41.9#  
84 87.2 75.8 113.6





#33

1,2-Dichloroethane-d4

Concen: 43.436 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD074062.D

Acq: 12 Aug 2022 14:51

Instrument :

MSVOA\_D

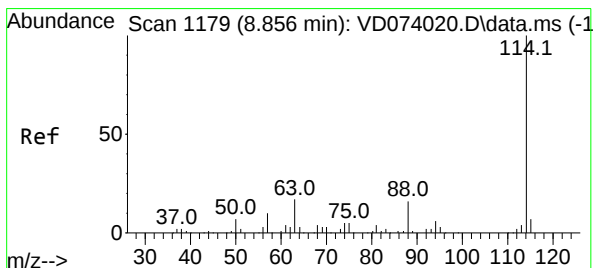
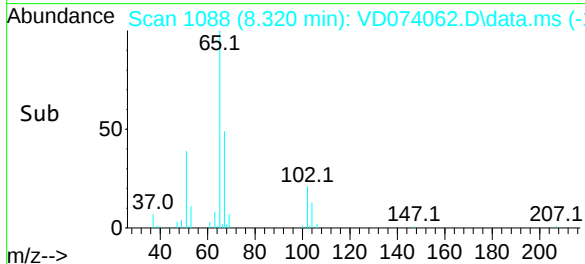
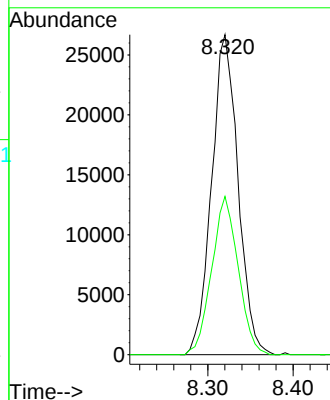
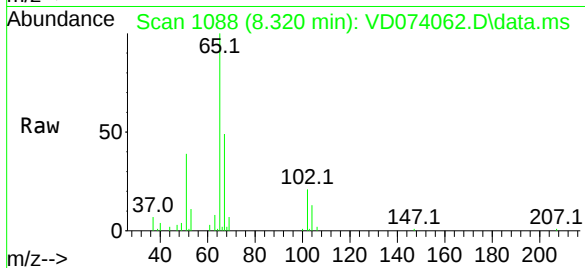
ClientSampleId :

Tgt Ion: 65 Resp: 57445

Ion Ratio Lower Upper

65 100

67 49.5 0.0 113.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD074062.D

Acq: 12 Aug 2022 14:51

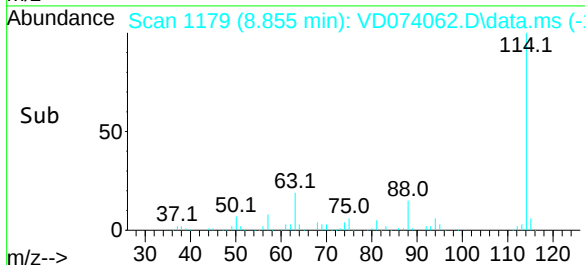
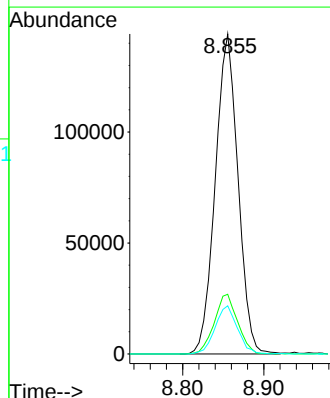
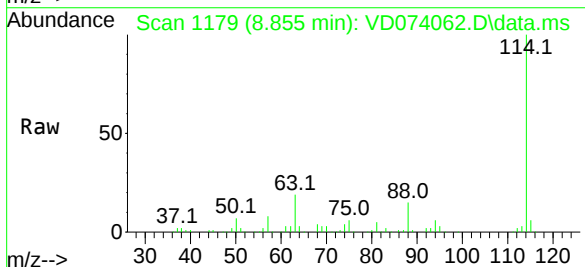
Tgt Ion: 114 Resp: 280507

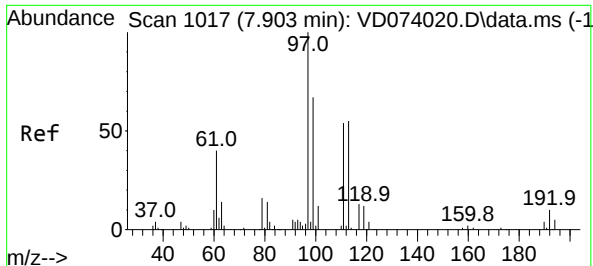
Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.0

88 15.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 37.097 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.000 min

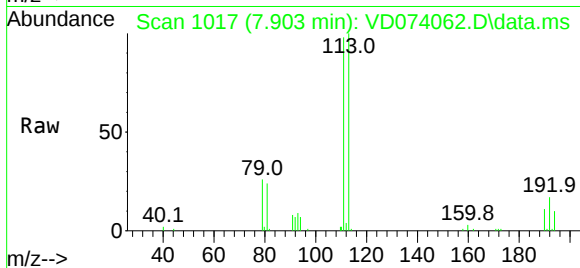
Lab File: VD074062.D

Acq: 12 Aug 2022 14:51

Instrument :

MSVOA\_D

ClientSampleId :



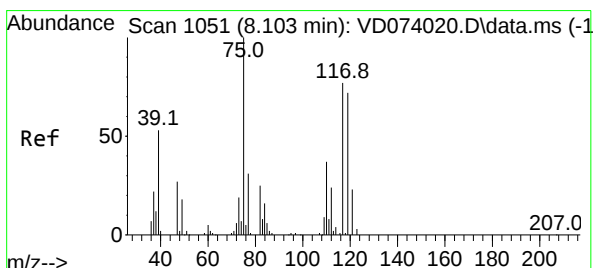
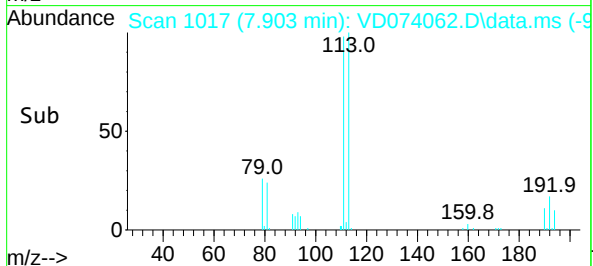
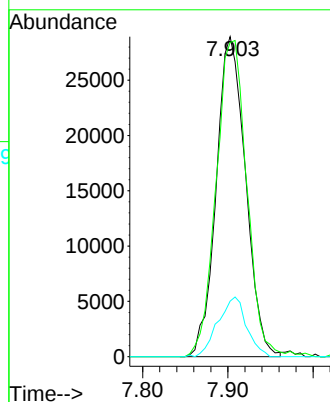
Tgt Ion:113 Resp: 69115

Ion Ratio Lower Upper

113 100

111 103.7 80.0 120.0

192 18.2 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.938 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VD074062.D

Acq: 12 Aug 2022 14:51

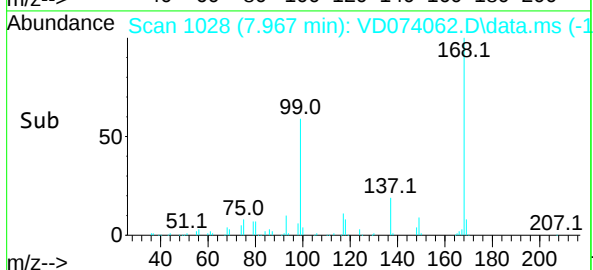
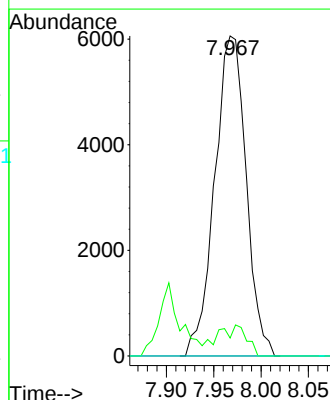
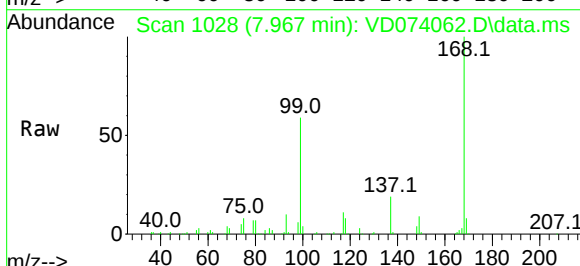
Tgt Ion: 75 Resp: 14001

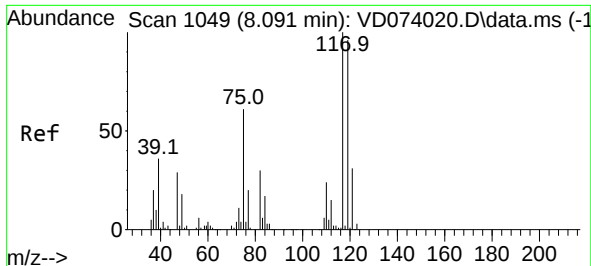
Ion Ratio Lower Upper

75 100

110 2.3 18.4 55.4#

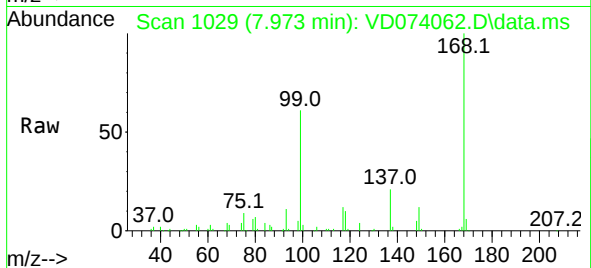
77 0.0 24.6 36.8#



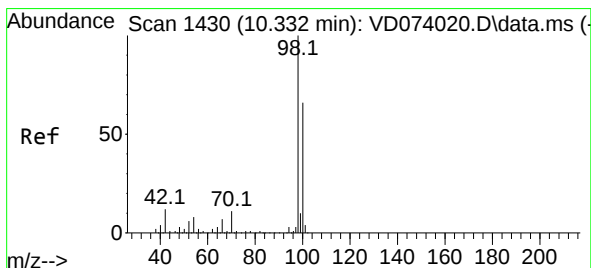
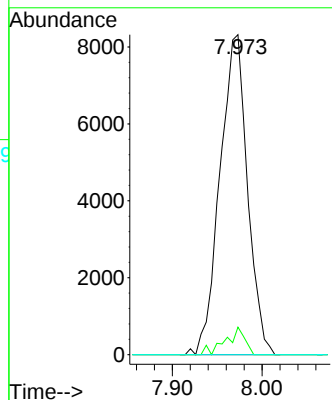
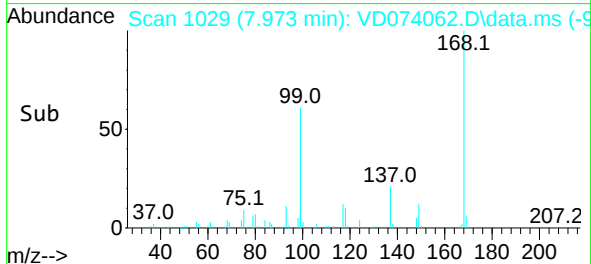


#38  
Carbon Tetrachloride  
Concen: 5.550 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.118 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

Instrument :  
MSVOA\_D  
ClientSampleId :

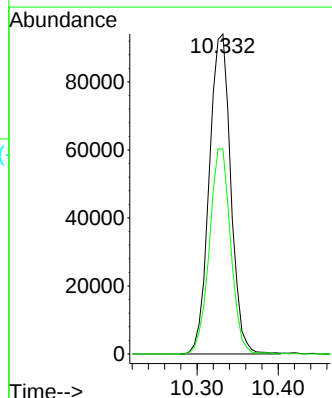
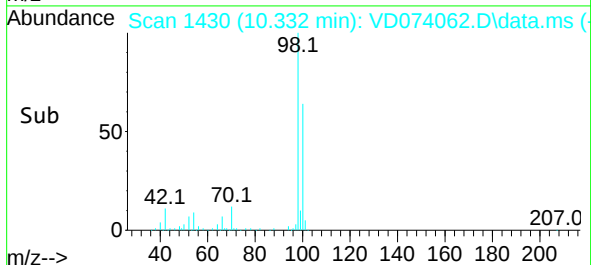
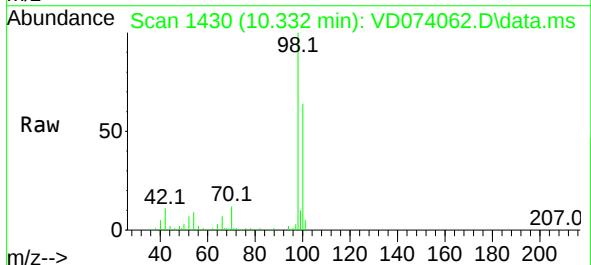


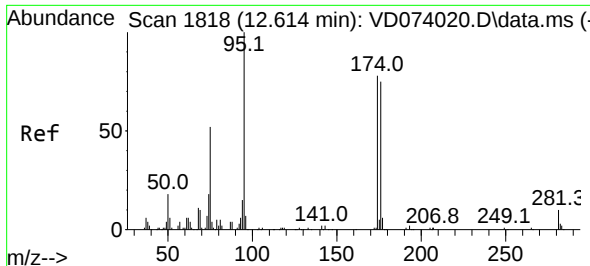
Tgt Ion:117 Resp: 17741  
Ion Ratio Lower Upper  
117 100  
119 8.6 75.4 113.2#  
121 0.0 25.2 37.8#



#50  
Toluene-d8  
Concen: 33.737 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

Tgt Ion: 98 Resp: 173413  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.3 76.9

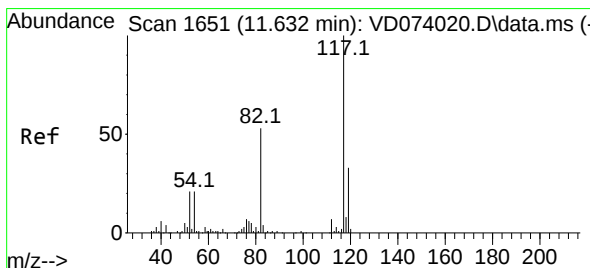
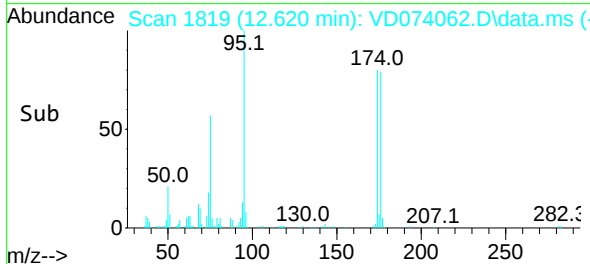
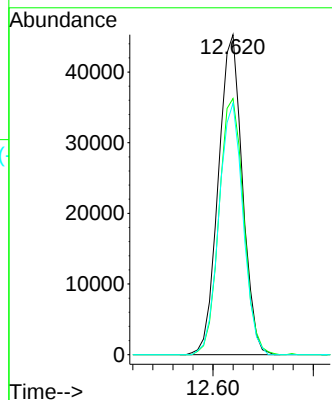
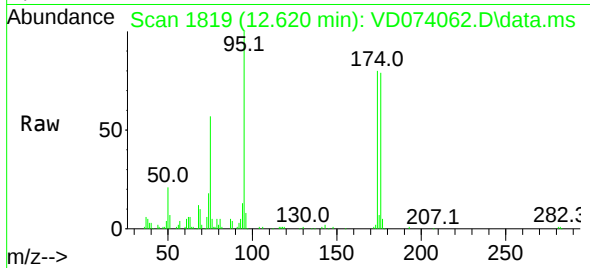




#62  
4-Bromofluorobenzene  
Concen: 32.833 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.006 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

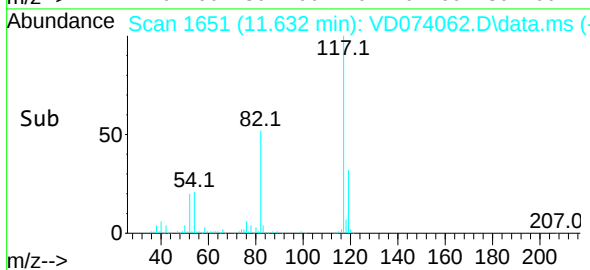
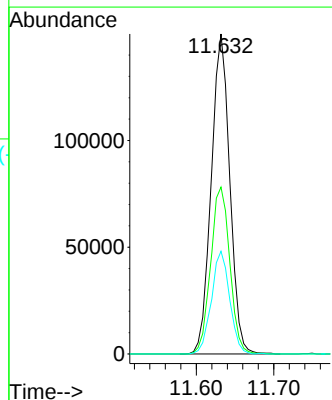
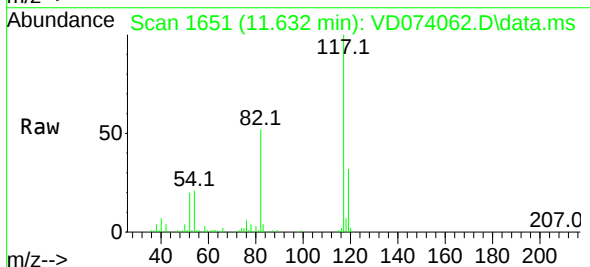
Instrument :  
MSVOA\_D  
ClientSampleId :

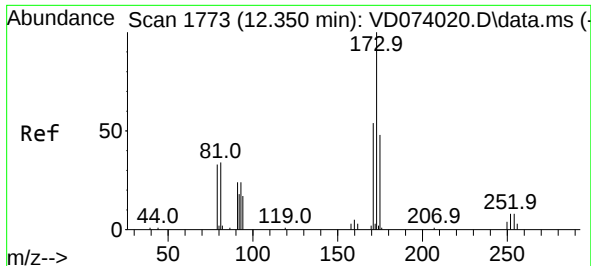
Tgt Ion: 95 Resp: 75224  
Ion Ratio Lower Upper  
95 100  
174 81.8 0.0 162.6  
176 78.7 0.0 160.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 1651  
Delta R.T. -0.000 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

Tgt Ion: 117 Resp: 249603  
Ion Ratio Lower Upper  
117 100  
82 52.1 42.7 64.1  
119 32.1 25.8 38.8

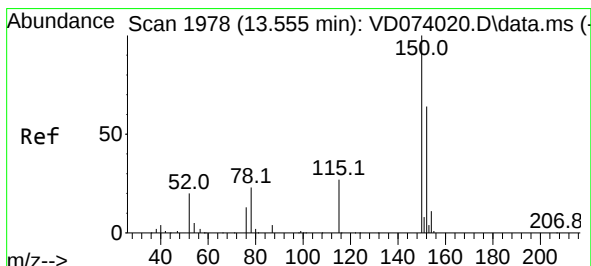
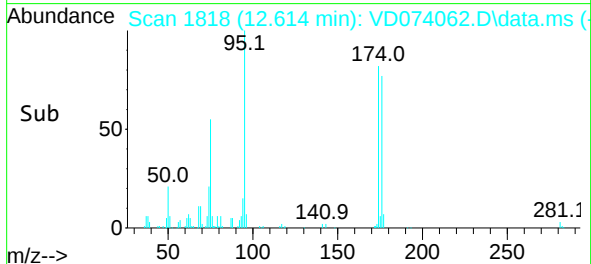
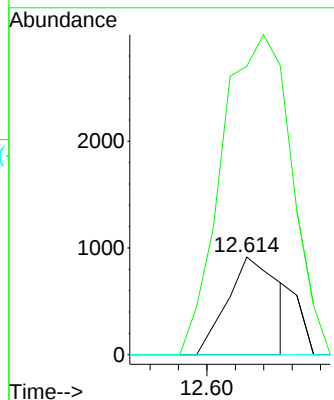
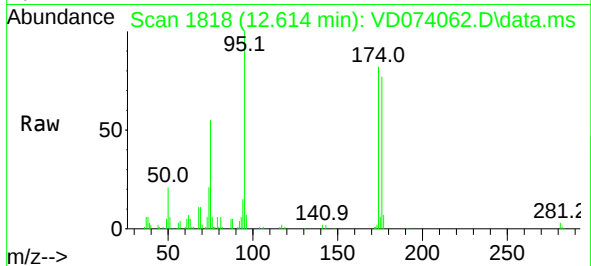




#71  
Bromoform  
Concen: 1.011 ug/l  
RT: 12.614 min Scan# 1818  
Delta R.T. 0.264 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

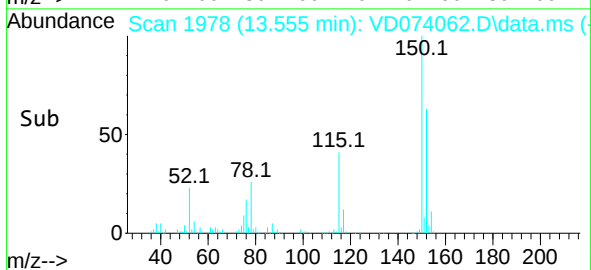
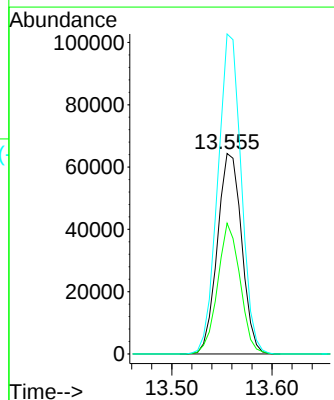
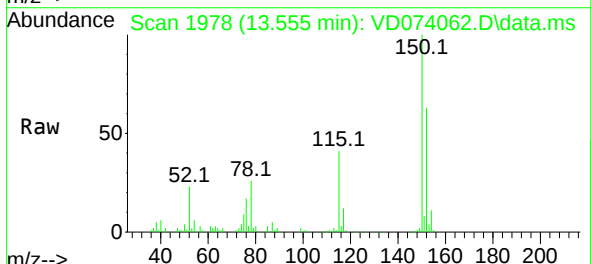
Instrument :  
MSVOA\_D  
ClientSampleId :

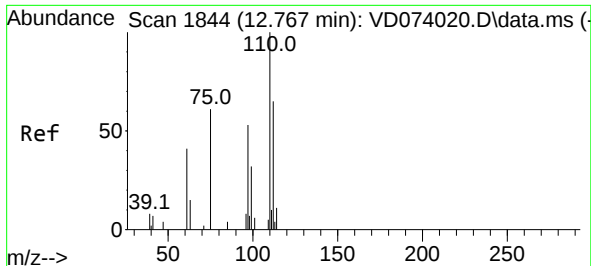
Tgt Ion:173 Resp: 1126  
Ion Ratio Lower Upper  
173 100  
175 396.8 23.9 71.8#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.555 min Scan# 1978  
Delta R.T. 0.000 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

Tgt Ion:152 Resp: 108168  
Ion Ratio Lower Upper  
152 100  
115 60.4 29.9 89.8  
150 154.3 0.0 342.8

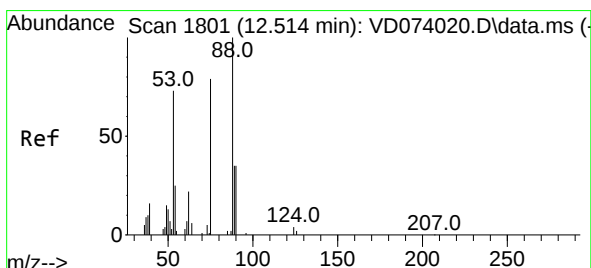
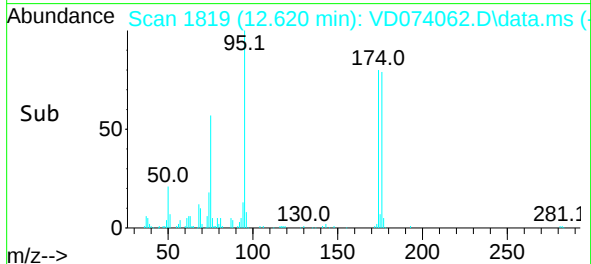
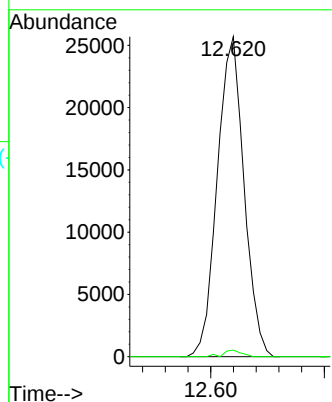
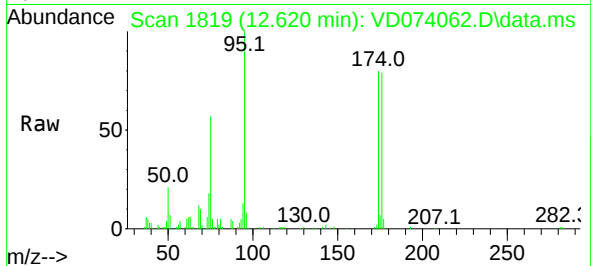




#76  
1,2,3-Trichloropropane  
Concen: 42.496 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.147 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 41969  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 113.422 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.106 min  
Lab File: VD074062.D  
Acq: 12 Aug 2022 14:51

Tgt Ion: 75 Resp: 41969  
Ion Ratio Lower Upper  
75 100  
53 0.0 71.3 106.9#  
89 0.0 38.3 57.5#

