

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120622\  
 Data File : VN075590.D  
 Acq On : 06 Dec 2022 17:26  
 Operator : JC\MD  
 Sample : N5876-04 50X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HILL-12-02-SIL

Quant Time: Dec 07 00:17:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112122W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 211196   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 346010   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 313426   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 149307   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 56921    | 50.209   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 100.420% |      |
| 35) Dibromofluoromethane    | 8.171  | 113   | 70660    | 51.985   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 103.960% |      |
| 50) Toluene-d8              | 10.571 | 98    | 154303   | 50.403   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 100.800% |      |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 116521   | 51.566   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 103.140% |      |

|                               |        |     |        |           |        |        |
|-------------------------------|--------|-----|--------|-----------|--------|--------|
| Target Compounds              |        |     |        |           |        | Qvalue |
| 6) Chloroethane               | 3.077  | 64  | 458    | 0.239     | ug/l # | 45     |
| 8) Diethyl Ether              | 3.971  | 74  | 30740  | 24.242    | ug/l   | 99     |
| 11) Tert butyl alcohol        | 5.536  | 59  | 29574  | 62.143    | ug/l # | 88     |
| 13) Acrolein                  | 4.424  | 56  | 121    | 0.292     | ug/l # | 75     |
| 16) Acetone                   | 4.442  | 43  | 60997  | 57.684    | ug/l   | 100    |
| 18) Methyl Acetate            | 5.042  | 43  | 13594  | 3.905     | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.806  | 73  | 4657   | 0.672     | ug/l # | 8      |
| 20) Methylene Chloride        | 5.289  | 84  | 1552   | Below Cal | #      | 59     |
| 22) Diisopropyl ether         | 6.689  | 45  | 58511  | 10.135    | ug/l # | 1      |
| 23) Vinyl Acetate             | 6.683  | 43  | 3853   | 0.839     | ug/l # | 67     |
| 25) 2-Butanone                | 7.494  | 43  | 30489  | 20.652    | ug/l   | 92     |
| 29) Tetrahydrofuran           | 7.859  | 42  | 1198   | 1.334     | ug/l # | 76     |
| 31) Cyclohexane               | 8.230  | 56  | 7467   | 2.073     | ug/l # | 25     |
| 36) 1,1-Dichloropropene       | 8.230  | 75  | 14589  | 4.922     | ug/l # | 50     |
| 37) Ethyl Acetate             | 7.494  | 43  | 30489  | 11.423    | ug/l # | 66     |
| 38) Carbon Tetrachloride      | 8.224  | 117 | 20440  | 6.277     | ug/l # | 15     |
| 39) Methylcyclohexane         | 9.606  | 83  | 3970   | 1.070     | ug/l   | 90     |
| 40) Benzene                   | 8.606  | 78  | 475621 | 52.407    | ug/l   | 97     |
| 41) Methacrylonitrile         | 7.789  | 41  | 603    | 0.442     | ug/l # | 22     |
| 42) 1,2-Dichloroethane        | 8.618  | 62  | 4142   | 1.363     | ug/l # | 75     |
| 43) Isopropyl Acetate         | 8.694  | 43  | 14117  | 3.295     | ug/l   | 98     |
| 45) 1,2-Dichloropropane       | 9.377  | 63  | 1986   | 0.918     | ug/l # | 42     |
| 48) Methyl methacrylate       | 9.659  | 41  | 4823   | 2.435     | ug/l # | 38     |
| 49) 1,4-Dioxane               | 9.700  | 88  | 2063   | 36.675    | ug/l # | 28     |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43  | 5581   | 2.045     | ug/l   | 95     |
| 52) Toluene                   | 10.635 | 92  | 720172 | 123.142   | ug/l   | 99     |
| 53) t-1,3-Dichloropropene     | 10.747 | 75  | 7064   | 2.221     | ug/l # | 54     |
| 54) cis-1,3-Dichloropropene   | 10.288 | 75  | 2565   | 0.743     | ug/l # | 1      |
| 56) Ethyl methacrylate        | 10.959 | 69  | 2712   | 0.843     | ug/l # | 1      |
| 58) 2-Chloroethyl Vinyl ether | 10.294 | 63  | 3812   | 3.286     | ug/l   | 93     |
| 59) 2-Hexanone                | 11.200 | 43  | 5291   | 2.582     | ug/l # | 21     |
| 67) Ethyl Benzene             | 11.965 | 91  | 77166  | 6.988     | ug/l   | 96     |
| 68) m/p-Xylenes               | 12.071 | 106 | 221994 | 49.504    | ug/l   | 100    |
| 69) o-Xylene                  | 12.400 | 106 | 77841  | 17.471    | ug/l   | 96     |
| 70) Styrene                   | 12.400 | 104 | 3978   | 0.566     | ug/l # | 1      |
| 71) Bromoform                 | 12.847 | 173 | 491    | 0.267     | ug/l # | 28     |

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Quant Time: Dec 07 00:17:18 2022  
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 Quant Title : SW846 8260  
 QLast Update : Wed Nov 23 00:18:03 2022  
 Response via : Initial Calibration

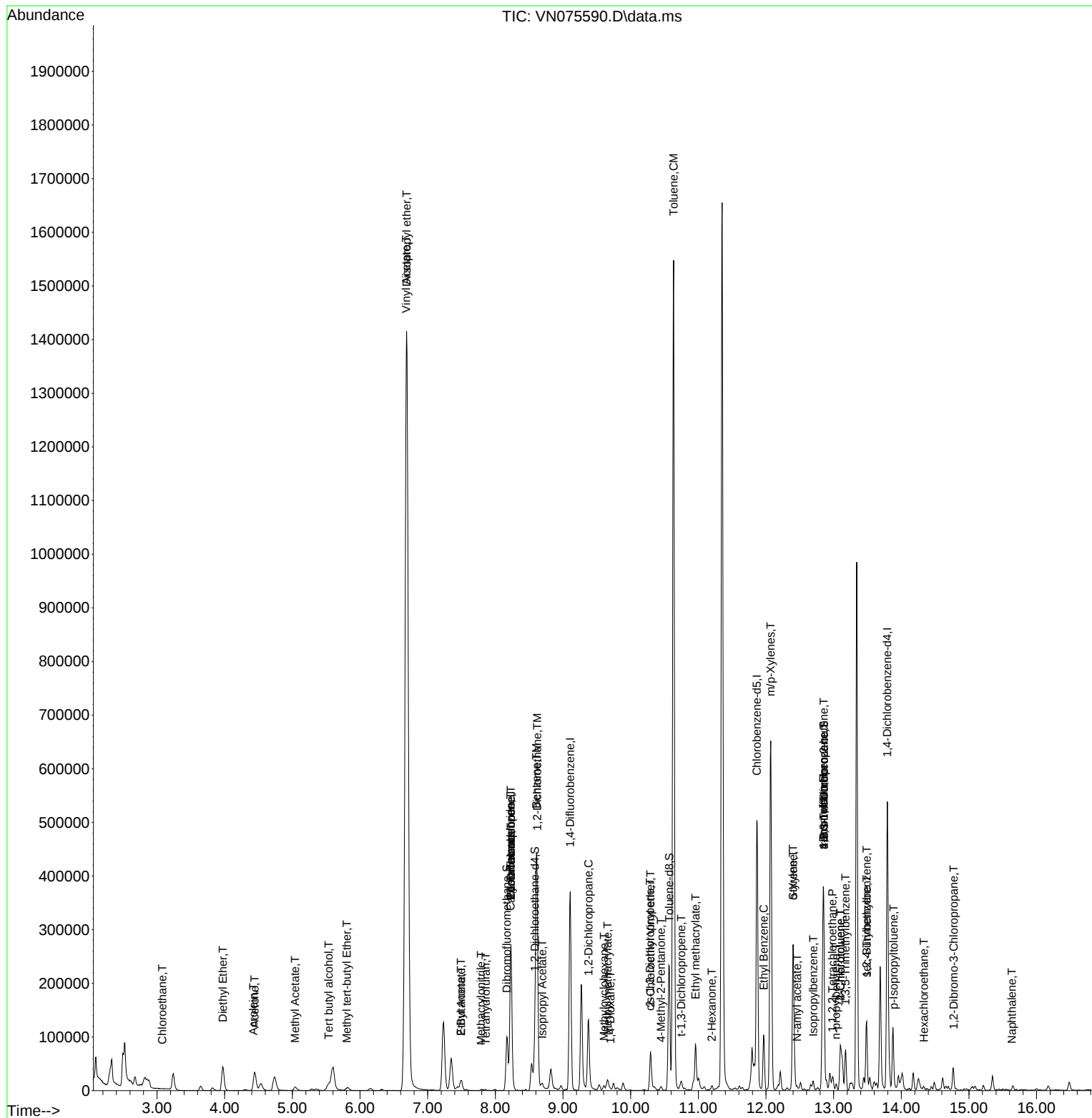
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 73) Isopropylbenzene          | 12.700 | 105  | 12219    | 1.120  | ug/l   | 97       |
| 74) N-amyl acetate            | 12.459 | 43   | 2485     | 0.741  | ug/l # | 38       |
| 75) 1,1,2,2-Tetrachloroethane | 12.982 | 83   | 3077     | 0.925  | ug/l # | 26       |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75   | 59989    | 21.250 | ug/l # | 1        |
| 78) n-propylbenzene           | 13.035 | 91   | 10287    | 0.845  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 8309     | 1.133  | ug/l # | 43       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 41471    | 4.576  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75   | 59989    | 62.874 | ug/l # | 12       |
| 82) 4-Chlorotoluene           | 13.100 | 91   | 8309     | 1.133  | ug/l # | 43       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 74044    | 8.145  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.488 | 105  | 74044    | 6.604  | ug/l # | 56       |
| 86) p-Isopropyltoluene        | 13.888 | 119  | 2462     | 0.261  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.335 | 117  | 345      | 0.212  | ug/l # | 19       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.776 | 75   | 681      | 1.081  | ug/l # | 2        |
| 95) Naphthalene               | 15.635 | 128  | 2417     | 0.301  | ug/l # | 85       |
| -----                         |        |      |          |        |        |          |

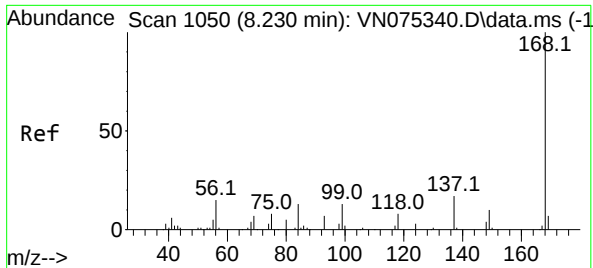
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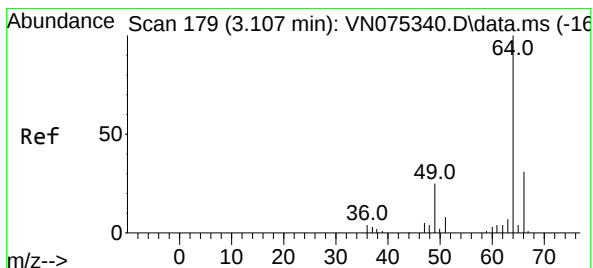
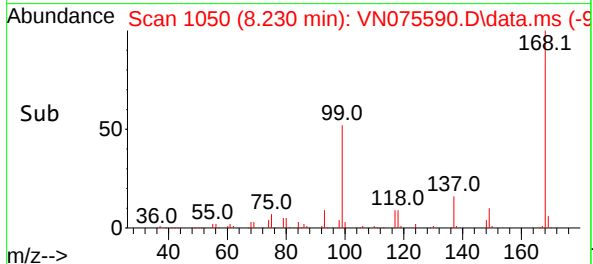
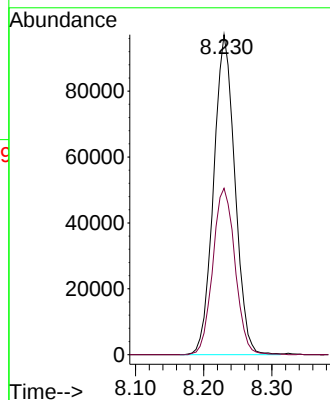
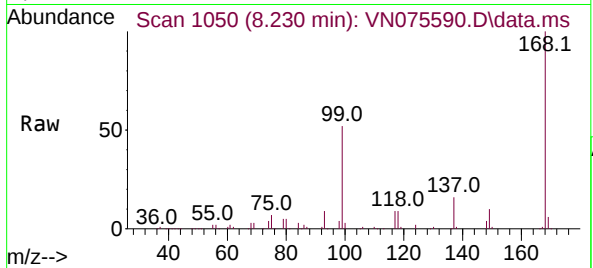




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

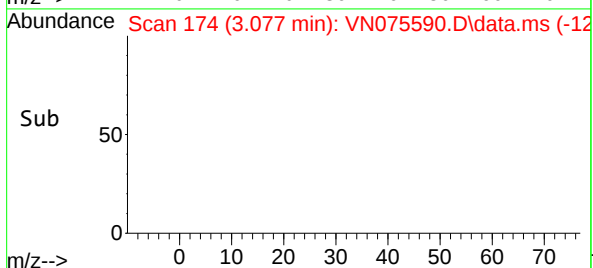
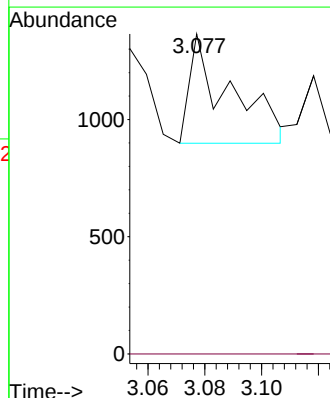
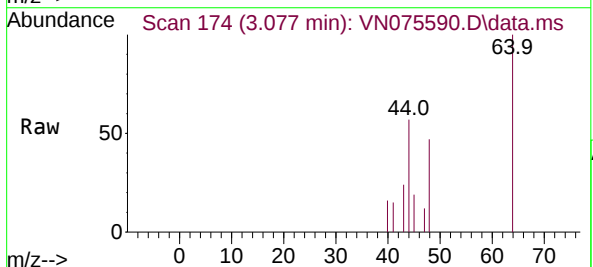
Instrument :  
MSVOA\_N  
ClientSampleId :  
HILL-12-02-SIL

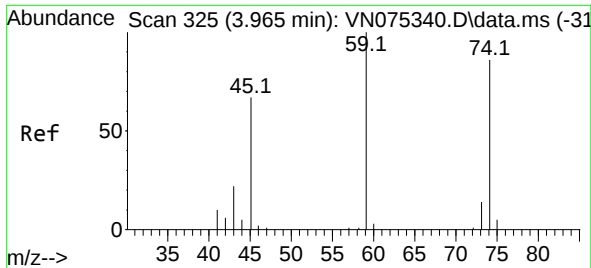
Tgt Ion:168 Resp: 211196  
Ion Ratio Lower Upper  
168 100  
99 52.0 51.6 77.4



#6  
Chloroethane  
Concen: 0.239 ug/l  
RT: 3.077 min Scan# 174  
Delta R.T. -0.030 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

Tgt Ion: 64 Resp: 458  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.8 35.8#





#8

Diethyl Ether

Concen: 24.242 ug/l

RT: 3.971 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

Instrument :

MSVOA\_N

ClientSampleId :

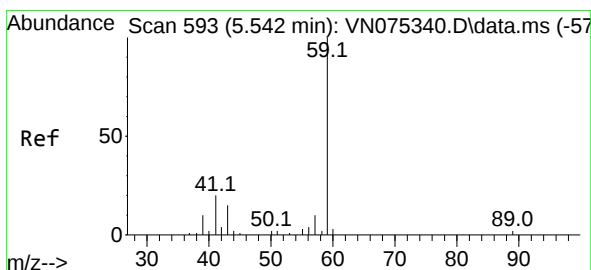
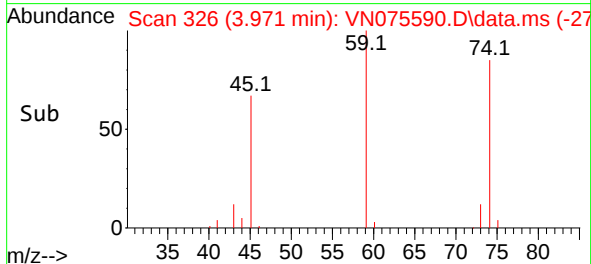
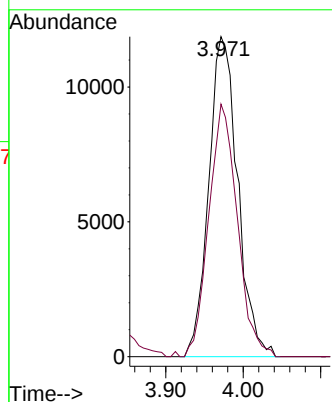
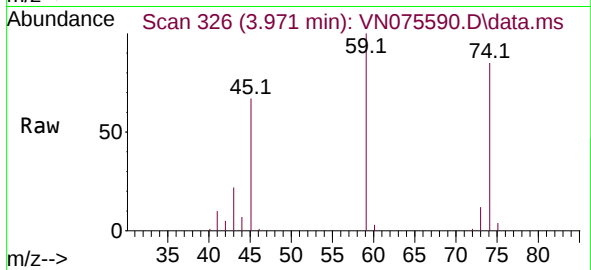
HILL-12-02-SIL

Tgt Ion: 74 Resp: 30740

Ion Ratio Lower Upper

74 100

45 77.9 39.3 117.9



#11

Tert butyl alcohol

Concen: 62.143 ug/l

RT: 5.536 min Scan# 592

Delta R.T. -0.006 min

Lab File: VN075590.D

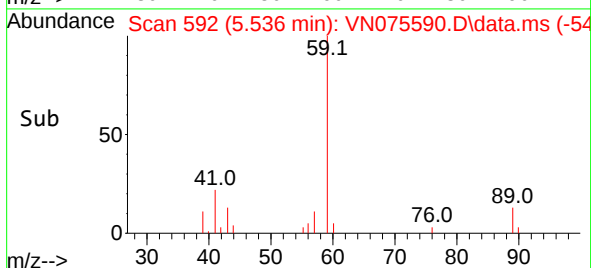
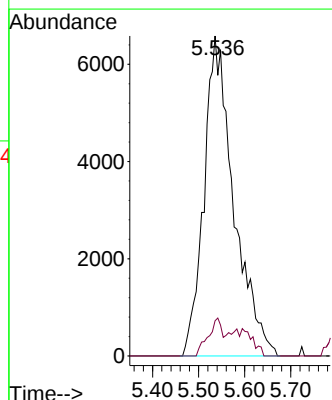
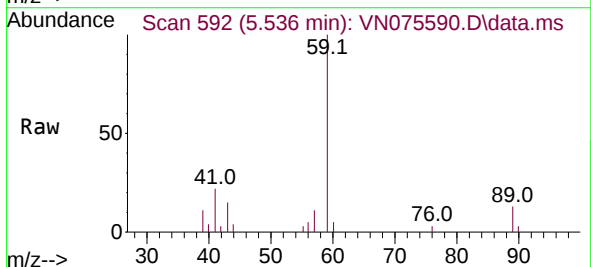
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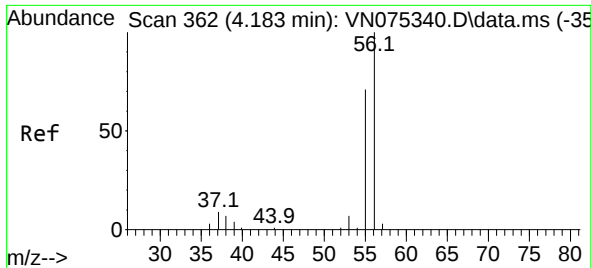
Tgt Ion: 59 Resp: 29574

Ion Ratio Lower Upper

59 100

57 5.9 8.5 12.7#





#13

Acrolein

Concen: 0.292 ug/l

RT: 4.424 min Scan# 403

Delta R.T. 0.241 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

Instrument :

MSVOA\_N

ClientSampleId :

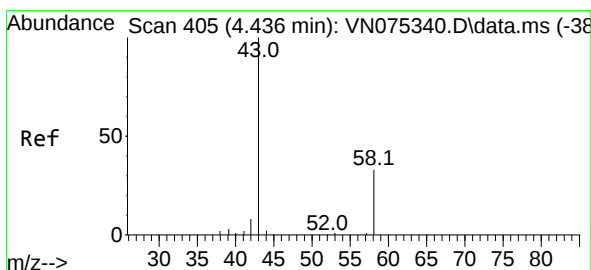
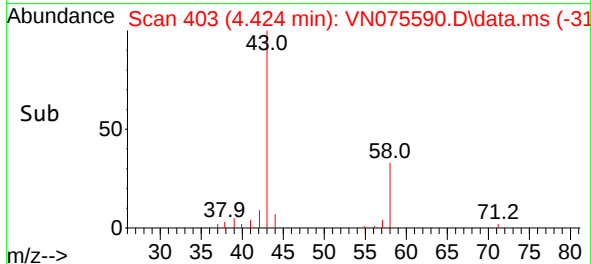
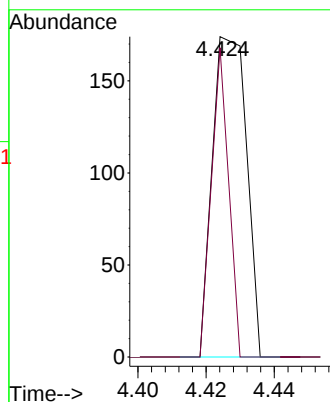
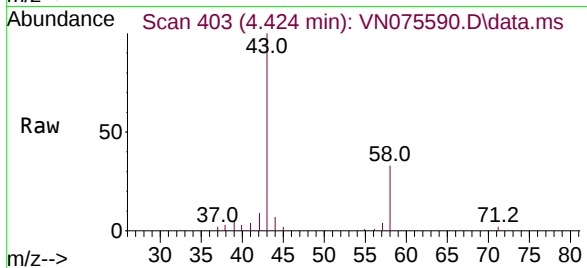
HILL-12-02-SIL

Tgt Ion: 56 Resp: 121

Ion Ratio Lower Upper

56 100

55 48.8 55.2 82.8#



#16

Acetone

Concen: 57.684 ug/l

RT: 4.442 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN075590.D

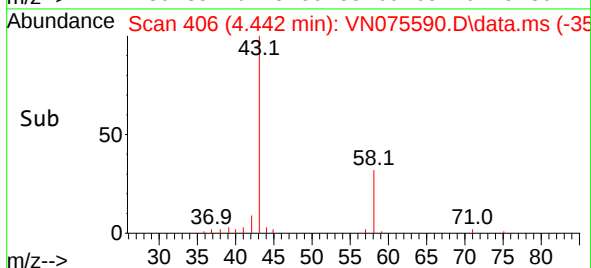
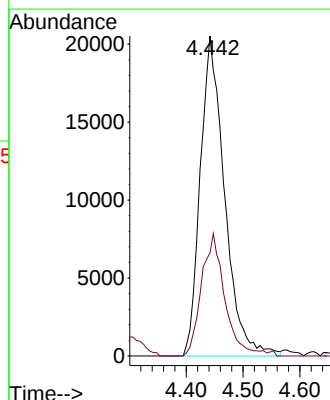
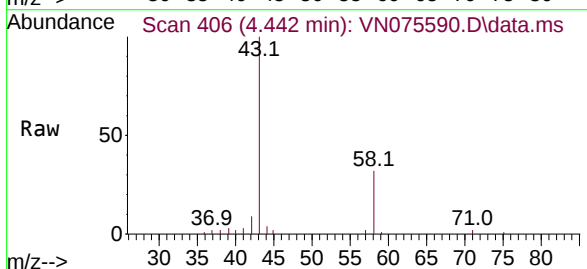
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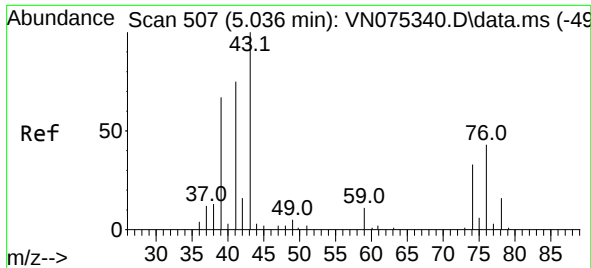
Tgt Ion: 43 Resp: 60997

Ion Ratio Lower Upper

43 100

58 32.1 25.5 38.3

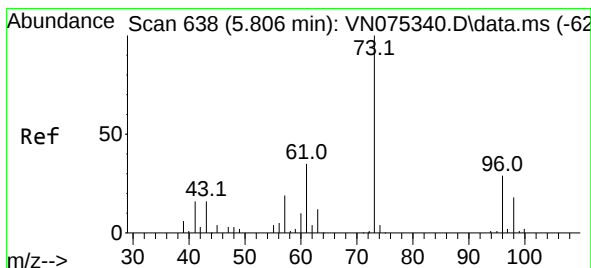
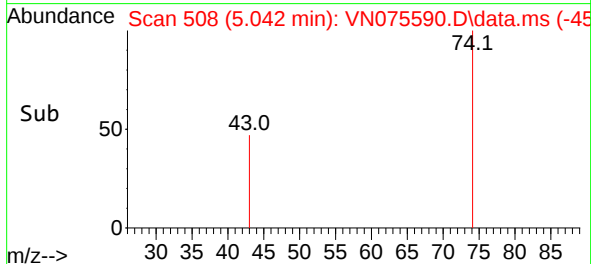
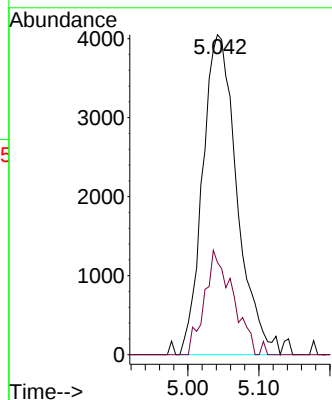
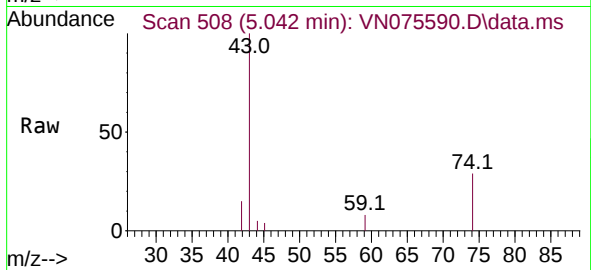




#18  
Methyl Acetate  
Concen: 3.905 ug/l  
RT: 5.042 min Scan# 507  
Delta R.T. 0.006 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

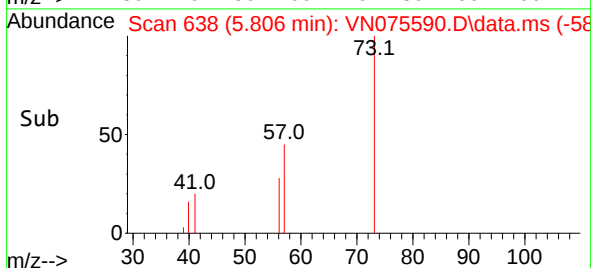
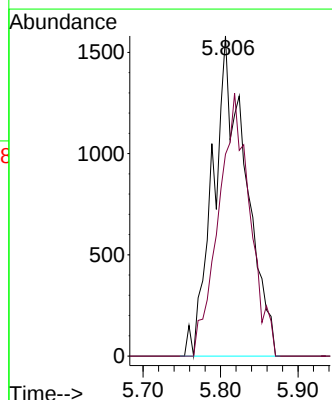
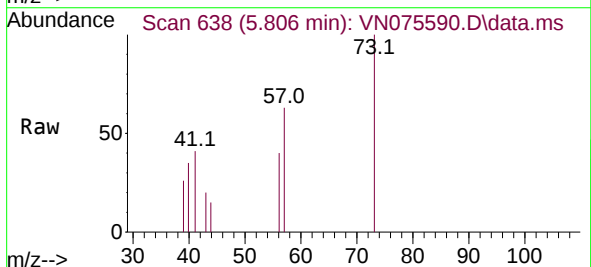
Instrument :  
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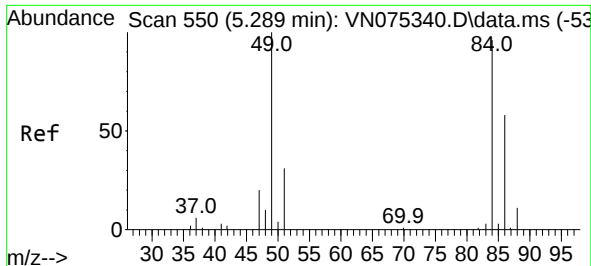
Tgt Ion: 43 Resp: 13594  
Ion Ratio Lower Upper  
43 100  
74 26.8 22.0 33.0



#19  
Methyl tert-butyl Ether  
Concen: 0.672 ug/l  
RT: 5.806 min Scan# 638  
Delta R.T. 0.000 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

Tgt Ion: 73 Resp: 4657  
Ion Ratio Lower Upper  
73 100  
57 63.1 16.3 24.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.289 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

Instrument :

MSVOA\_N

ClientSampleId :

HILL-12-02-SIL

Tgt Ion: 84 Resp: 1552

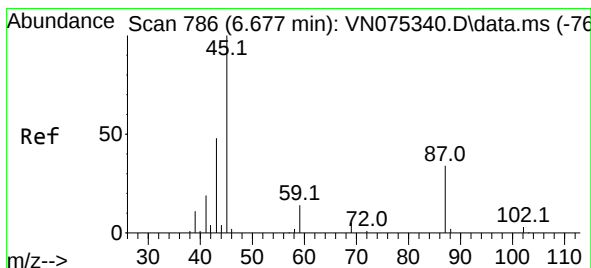
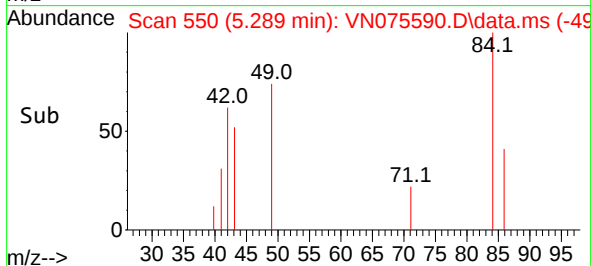
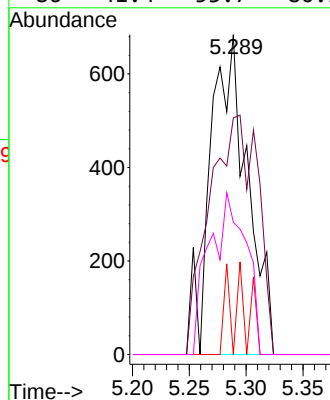
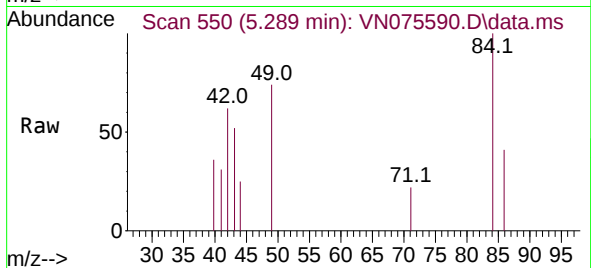
Ion Ratio Lower Upper

84 100

49 74.0 94.9 142.3#

51 0.0 26.8 40.2#

86 41.4 53.7 80.5#



#22

Diisopropyl ether

Concen: 10.135 ug/l

RT: 6.689 min Scan# 788

Delta R.T. 0.012 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

Tgt Ion: 45 Resp: 58511

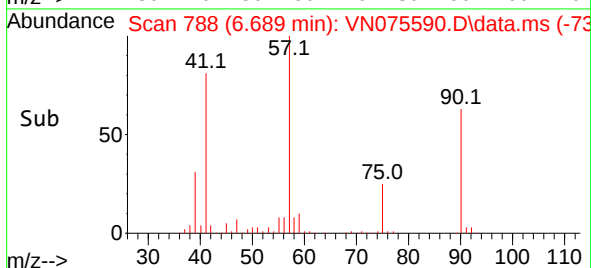
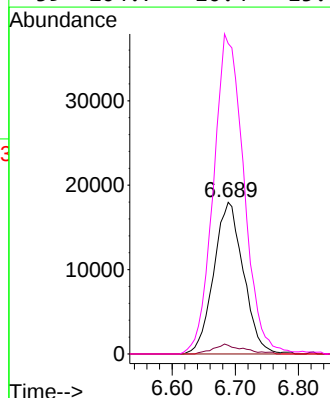
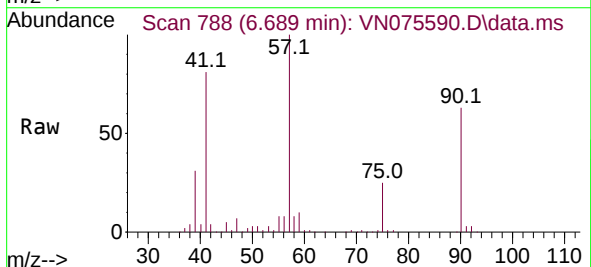
Ion Ratio Lower Upper

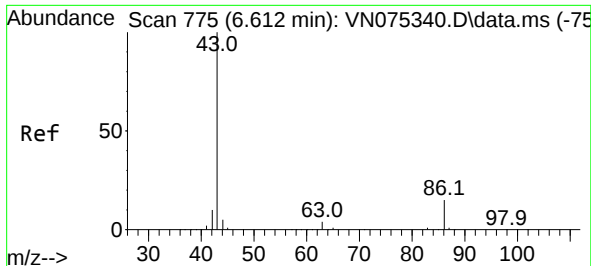
45 100

43 5.7 42.8 64.2#

87 0.0 28.4 42.6#

59 204.7 10.4 15.6#

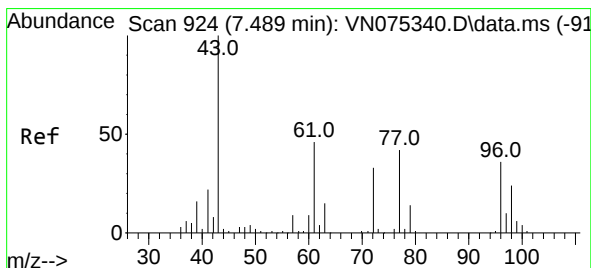
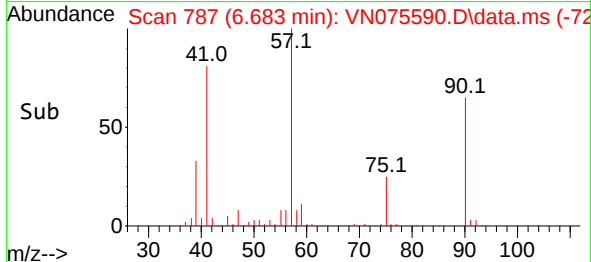
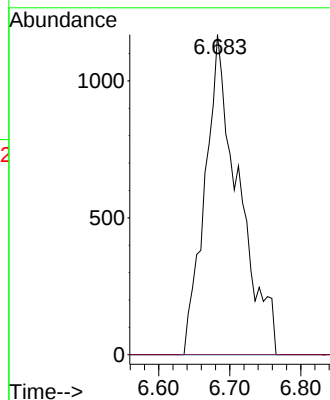
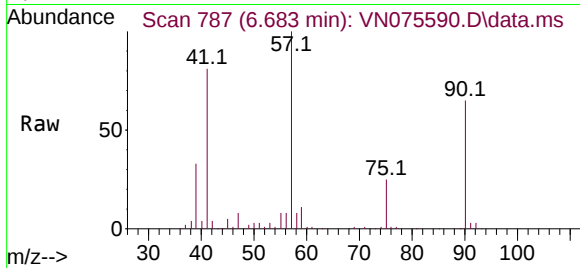




#23  
 Vinyl Acetate  
 Concen: 0.839 ug/l  
 RT: 6.683 min Scan# 71  
 Delta R.T. 0.071 min  
 Lab File: VN075590.D  
 Acq: 06 Dec 2022 17:26

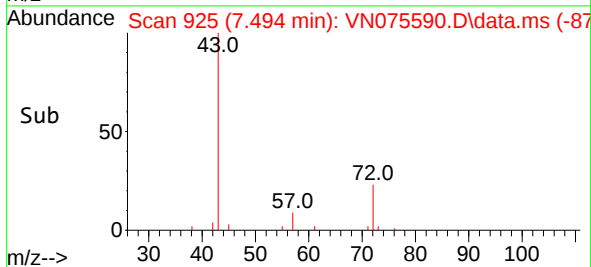
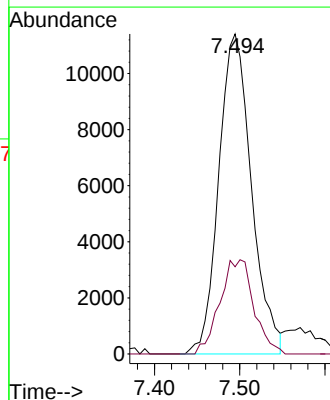
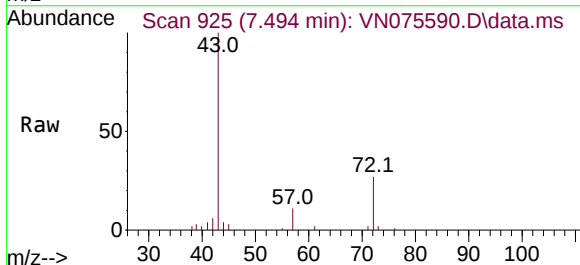
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HILL-12-02-SIL

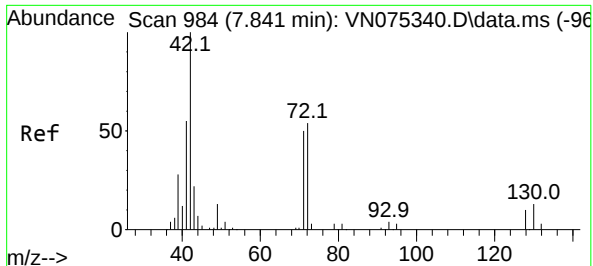
Tgt Ion: 43 Resp: 3853  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 10.7 16.1#



#25  
 2-Butanone  
 Concen: 20.652 ug/l  
 RT: 7.494 min Scan# 925  
 Delta R.T. 0.005 min  
 Lab File: VN075590.D  
 Acq: 06 Dec 2022 17:26

Tgt Ion: 43 Resp: 30489  
 Ion Ratio Lower Upper  
 43 100  
 72 27.3 25.5 38.3





#29

Tetrahydrofuran

Concen: 1.334 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

Instrument :

MSVOA\_N

ClientSampleId :

HILL-12-02-SIL

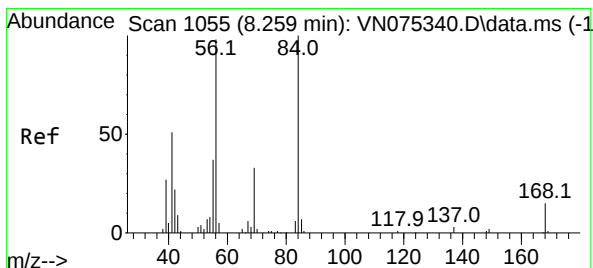
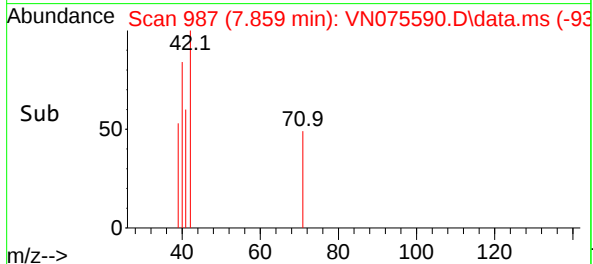
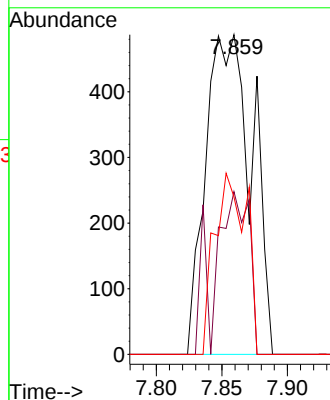
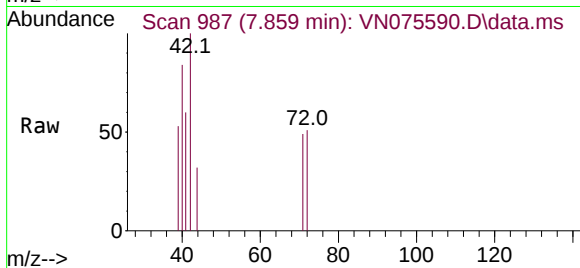
Tgt Ion: 42 Resp: 1198

Ion Ratio Lower Upper

42 100

72 31.6 43.0 64.6#

71 39.0 39.9 59.9#



#31

Cyclohexane

Concen: 2.073 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

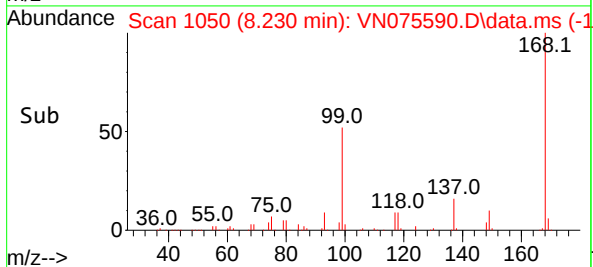
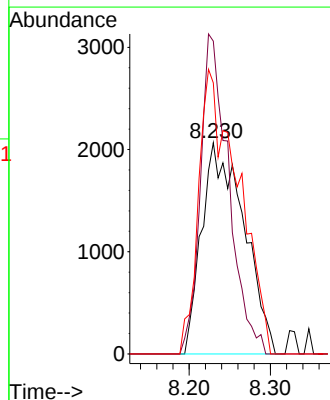
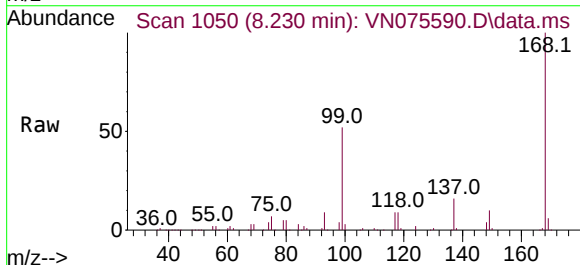
Tgt Ion: 56 Resp: 7467

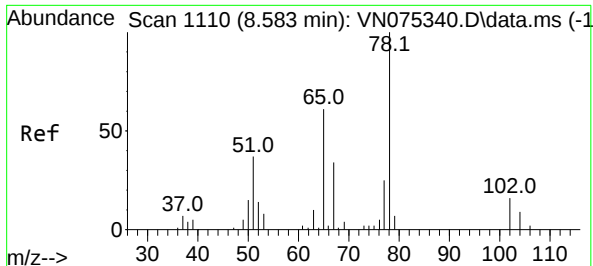
Ion Ratio Lower Upper

56 100

69 148.2 25.2 37.8#

84 128.4 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 50.209 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

Instrument :

MSVOA\_N

ClientSampleId :

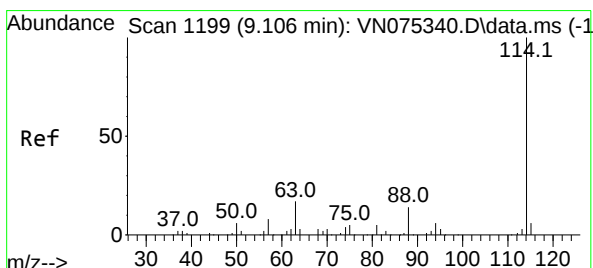
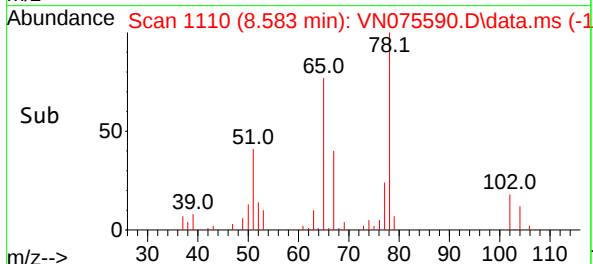
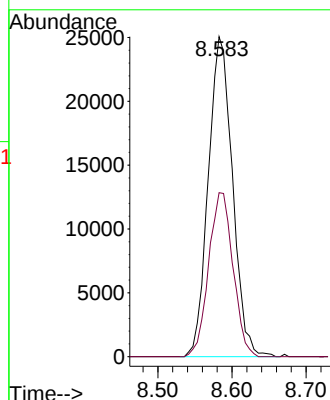
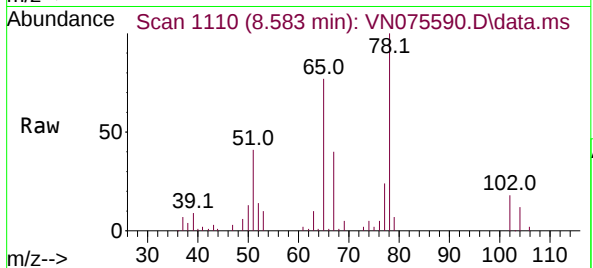
HILL-12-02-SIL

Tgt Ion: 65 Resp: 56921

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

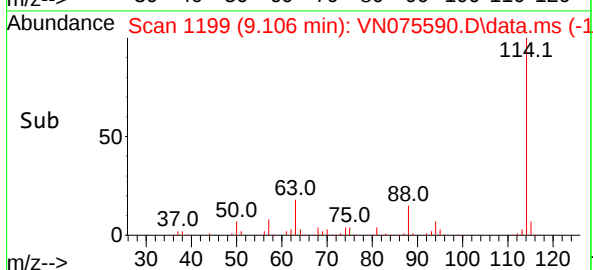
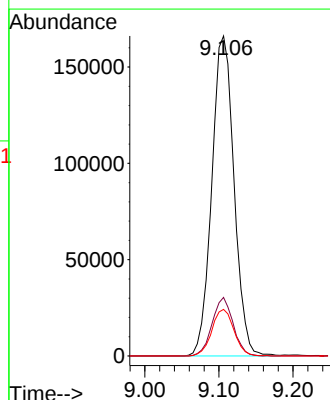
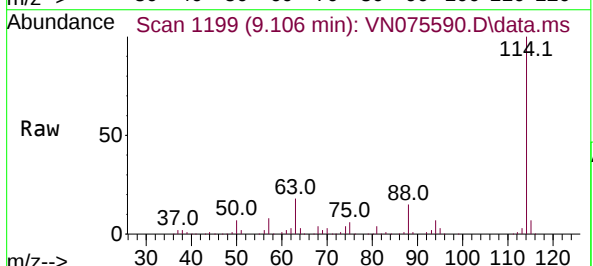
Tgt Ion: 114 Resp: 346010

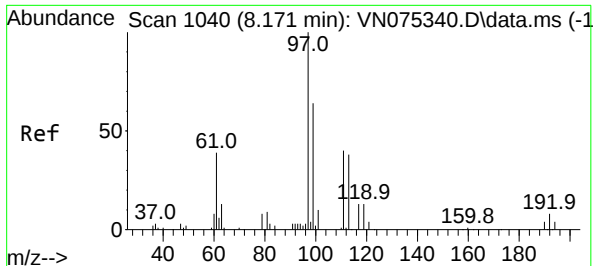
Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 14.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 51.985 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

Instrument :

MSVOA\_N

ClientSampleId :

HILL-12-02-SIL

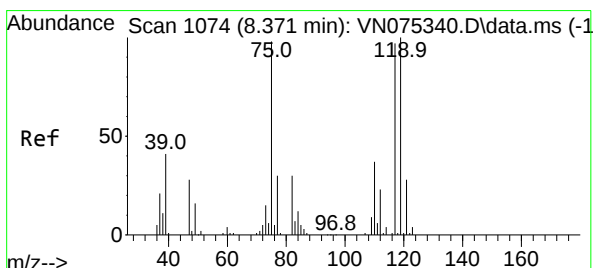
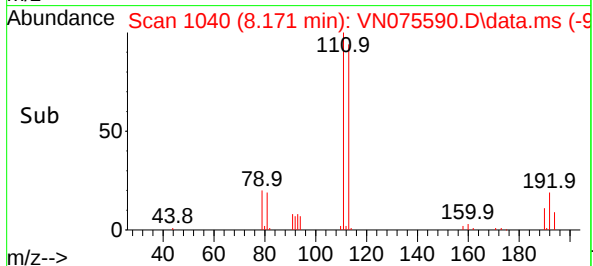
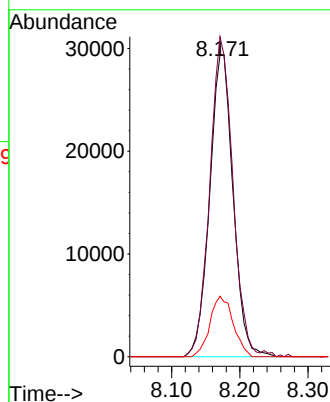
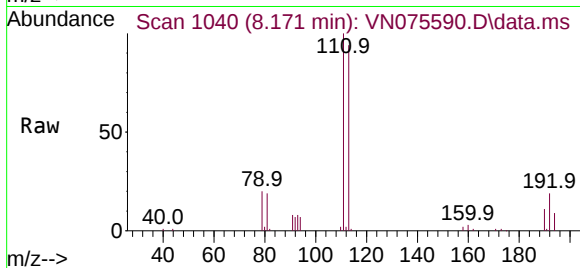
Tgt Ion:113 Resp: 70660

Ion Ratio Lower Upper

113 100

111 103.5 80.5 120.7

192 19.8 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.922 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

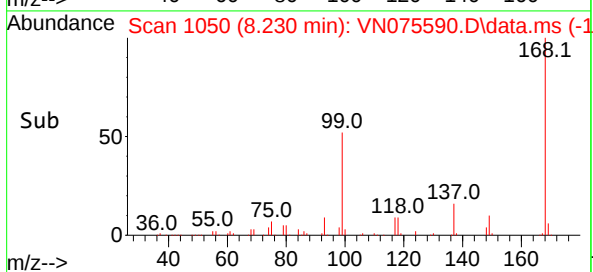
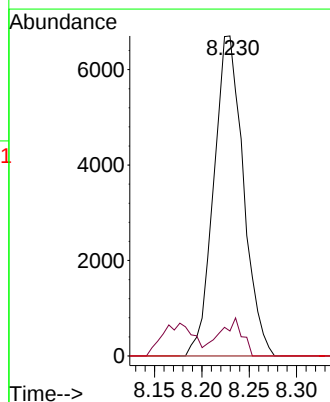
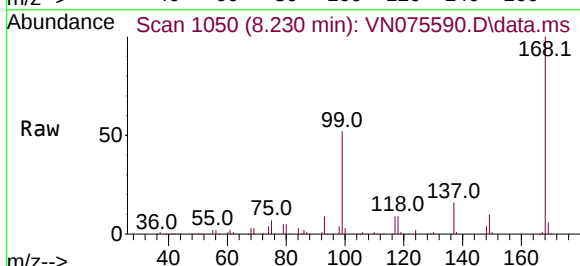
Tgt Ion: 75 Resp: 14589

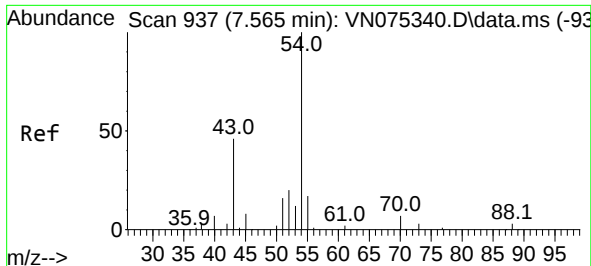
Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.3#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 11.423 ug/l

RT: 7.494 min Scan# 91

Delta R.T. -0.071 min

Lab File: VN075590.D

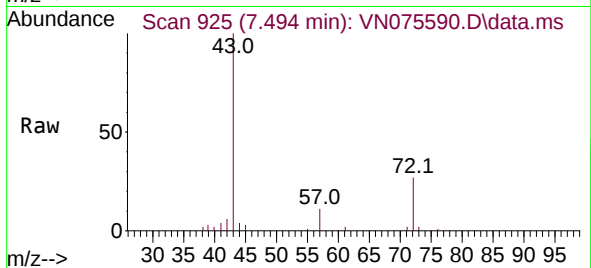
Acq: 06 Dec 2022 17:26

Instrument :

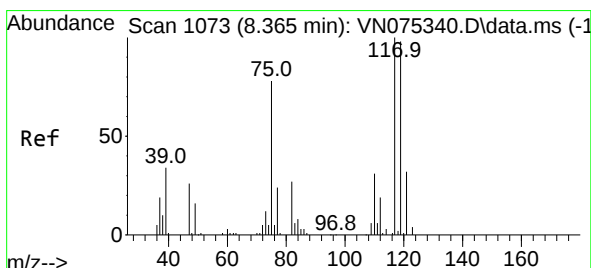
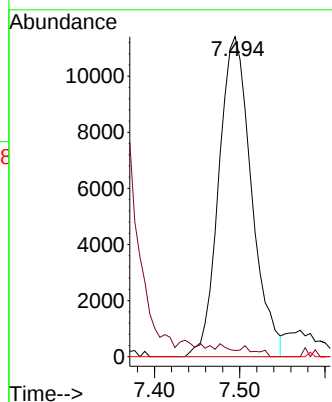
MSVOA\_N

ClientSampleId :

HILL-12-02-SIL



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 30489 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 12.2  | 18.4# |
| 70       | 0.0   | 9.4   | 14.2# |



#38

Carbon Tetrachloride

Concen: 6.277 ug/l

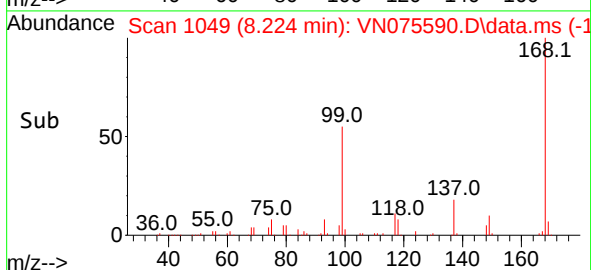
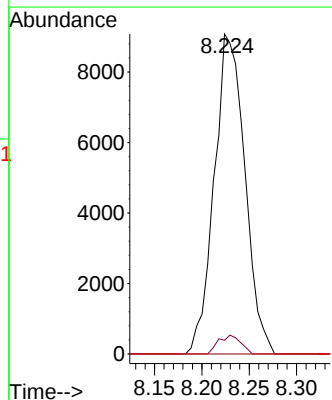
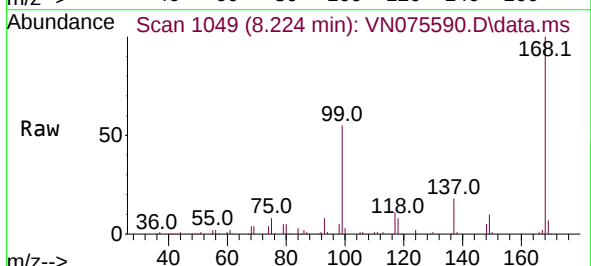
RT: 8.224 min Scan# 1049

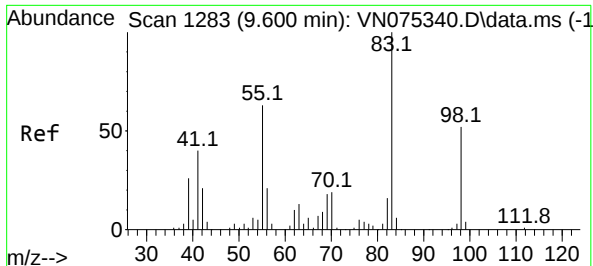
Delta R.T. -0.141 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 20440  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.2   | 76.7  | 115.1# |
| 121      | 0.0   | 23.9  | 35.9#  |





#39

Methylcyclohexane

Concen: 1.070 ug/l

RT: 9.606 min Scan# 11284

Delta R.T. 0.006 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

Instrument :

MSVOA\_N

ClientSampleId :

HILL-12-02-SIL

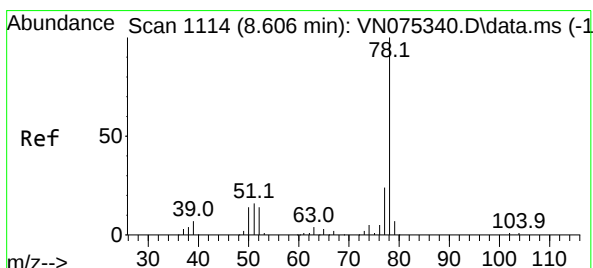
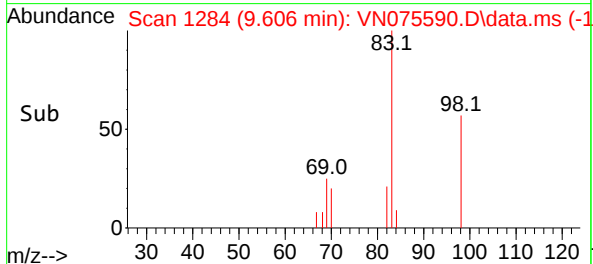
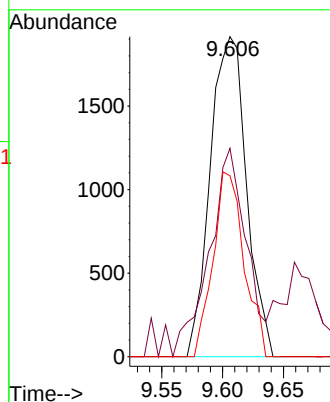
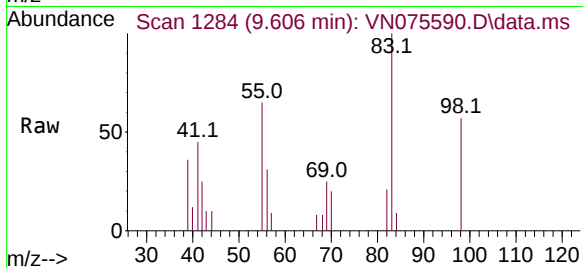
Tgt Ion: 83 Resp: 3970

Ion Ratio Lower Upper

83 100

55 57.1 53.6 80.4

98 56.6 41.1 61.7



#40

Benzene

Concen: 52.407 ug/l

RT: 8.606 min Scan# 1114

Delta R.T. 0.000 min

Lab File: VN075590.D

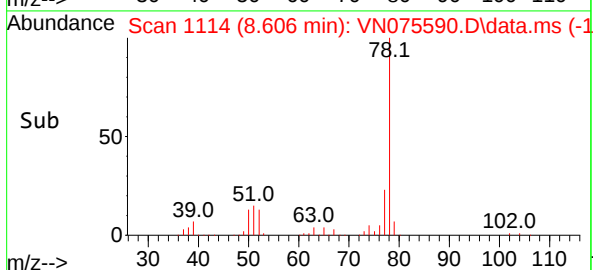
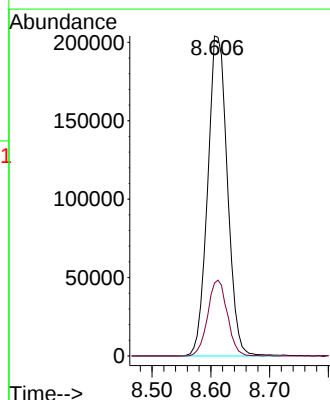
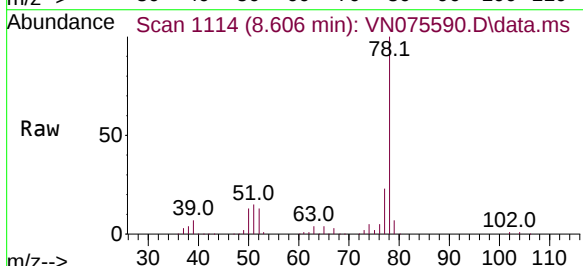
Acq: 06 Dec 2022 17:26

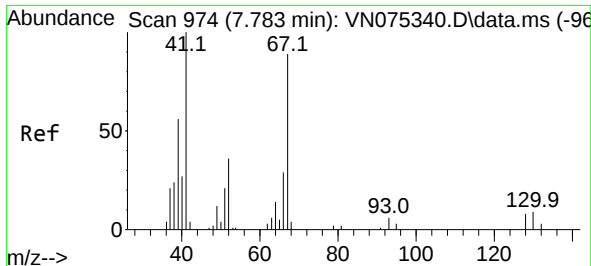
Tgt Ion: 78 Resp: 475621

Ion Ratio Lower Upper

78 100

77 22.7 19.4 29.0

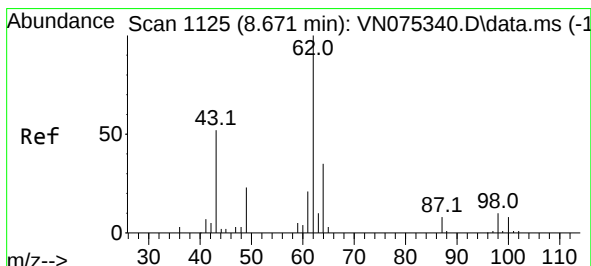
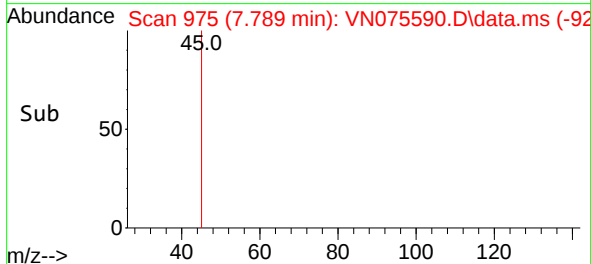
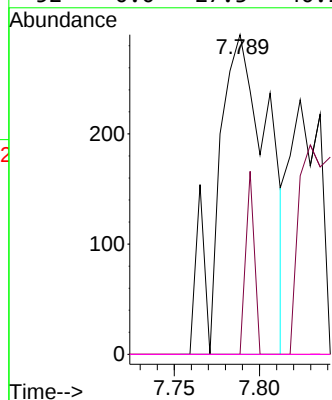
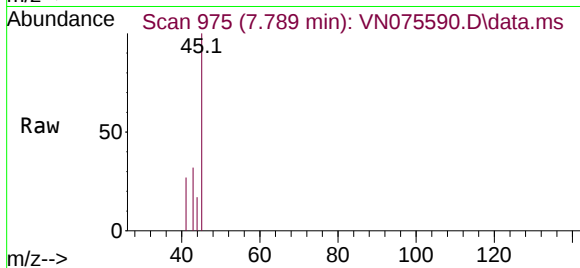




#41  
Methacrylonitrile  
Concen: 0.442 ug/l  
RT: 7.789 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

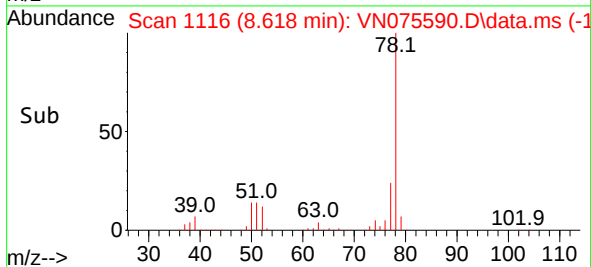
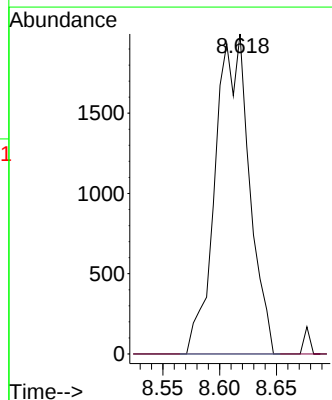
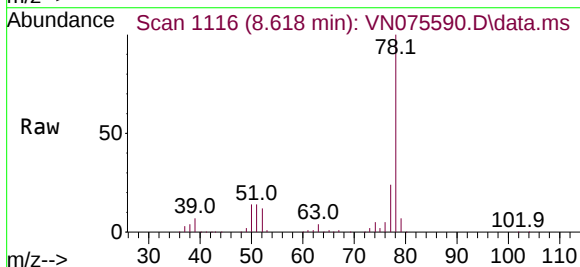
Instrument :  
MSVOA\_N  
ClientSampleId :  
HILL-12-02-SIL

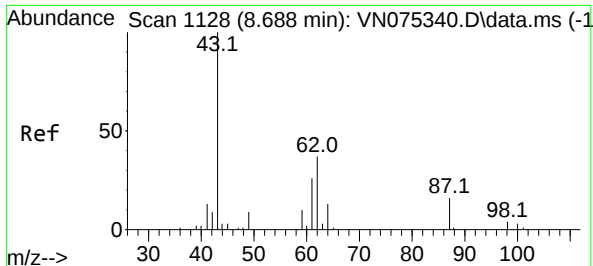
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 603    |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 9.8   | 44.4  | 66.6#  |
| 67       | 0.0   | 69.8  | 104.6# |
| 52       | 0.0   | 27.3  | 40.9#  |



#42  
1,2-Dichloroethane  
Concen: 1.363 ug/l  
RT: 8.618 min Scan# 1116  
Delta R.T. -0.053 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 4142  |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 0.0   | 0.0   | 18.2  |

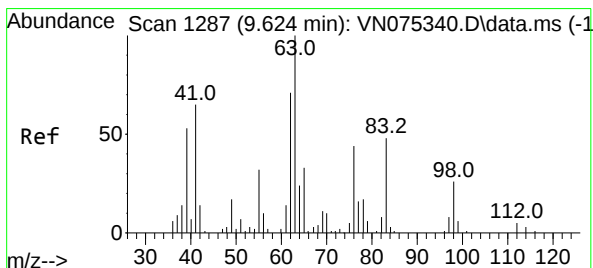
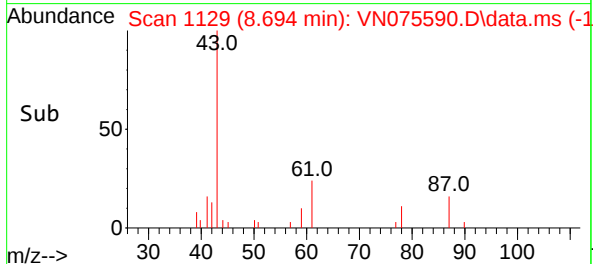
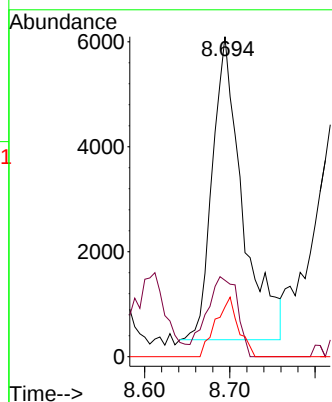
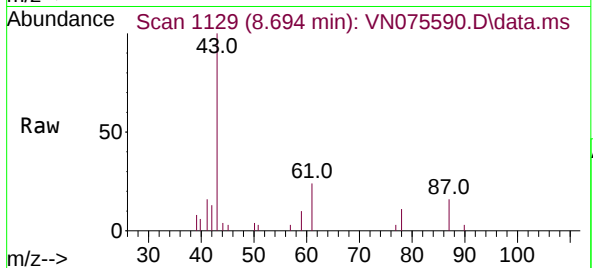




#43  
Isopropyl Acetate  
Concen: 3.295 ug/l  
RT: 8.694 min Scan# 1129  
Delta R.T. 0.006 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

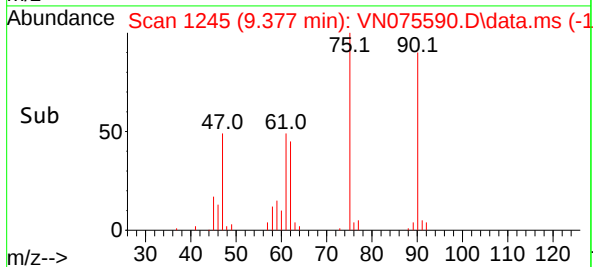
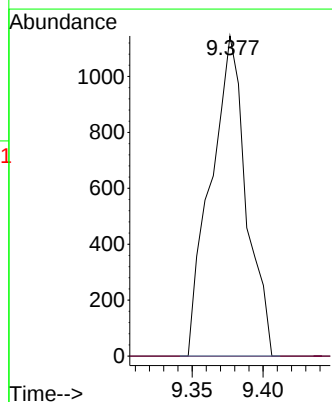
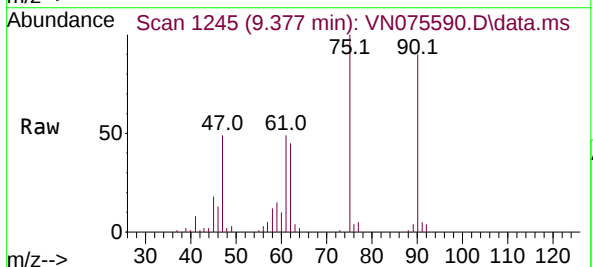
Instrument :  
MSVOA\_N  
ClientSampleId :  
HILL-12-02-SIL

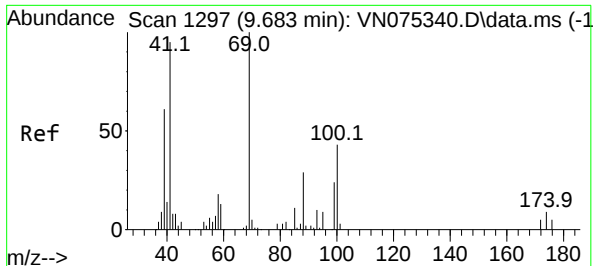
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 14117 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 27.0  | 22.4  | 33.6  |
| 87       | 14.8  | 12.5  | 18.7  |



#45  
1,2-Dichloropropane  
Concen: 0.918 ug/l  
RT: 9.377 min Scan# 1245  
Delta R.T. -0.247 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 1986  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 0.0   | 26.1  | 39.1# |





#48

Methyl methacrylate

Concen: 2.435 ug/l

RT: 9.659 min Scan# 1293

Delta R.T. -0.024 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

Instrument :

MSVOA\_N

ClientSampleId :

HILL-12-02-SIL

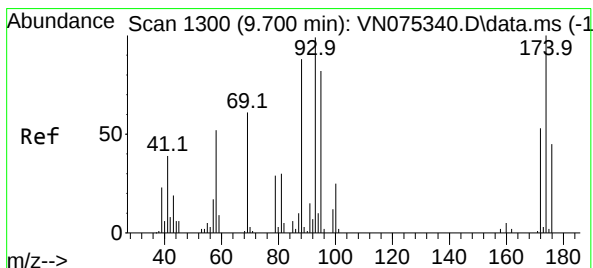
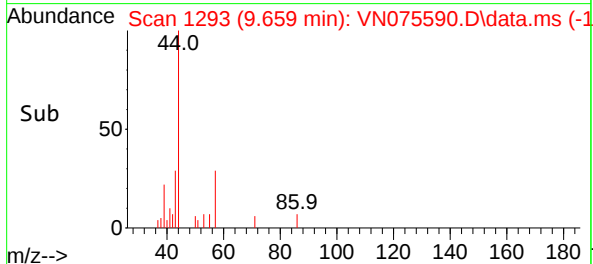
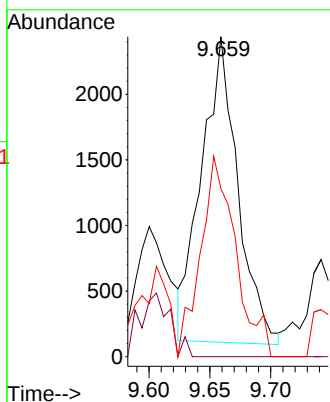
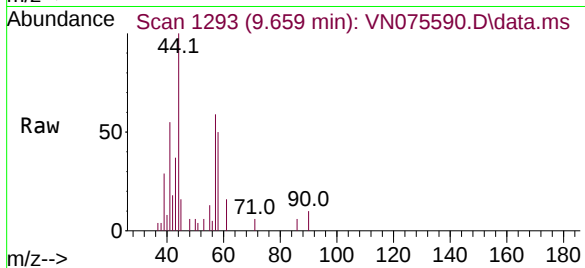
Tgt Ion: 41 Resp: 4823

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 63.2 56.2 84.2



#49

1,4-Dioxane

Concen: 36.675 ug/l

RT: 9.700 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

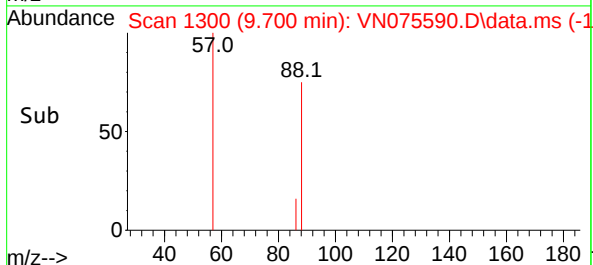
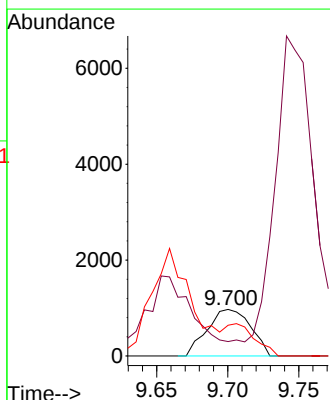
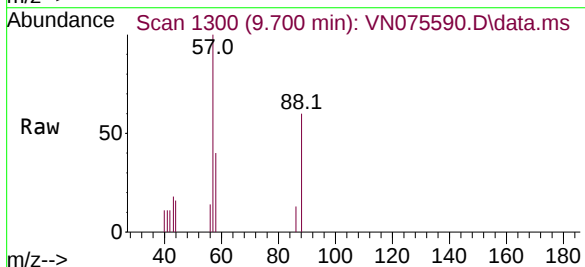
Tgt Ion: 88 Resp: 2063

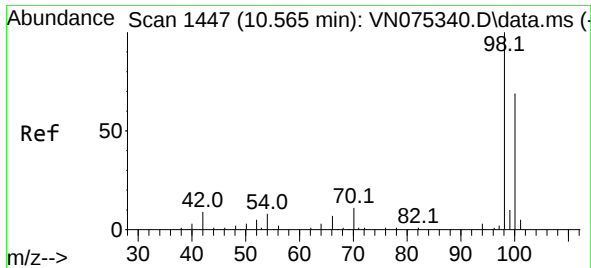
Ion Ratio Lower Upper

88 100

43 0.0 17.5 26.3#

58 0.0 49.8 74.8#

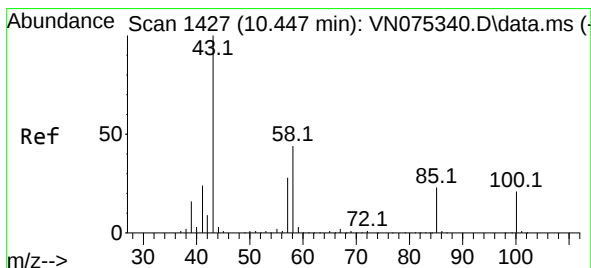
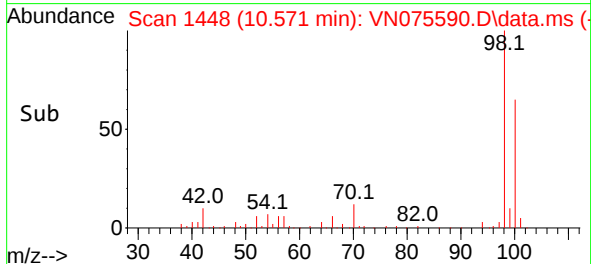
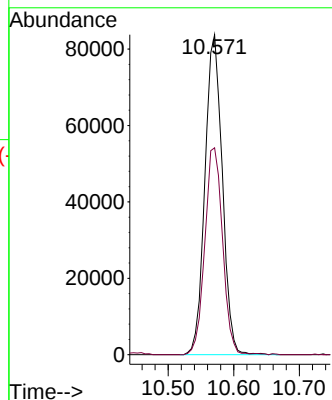
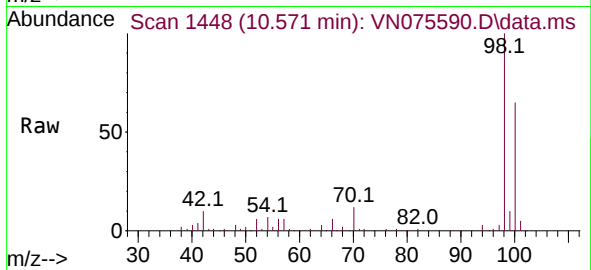




#50  
Toluene-d8  
Concen: 50.403 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.006 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

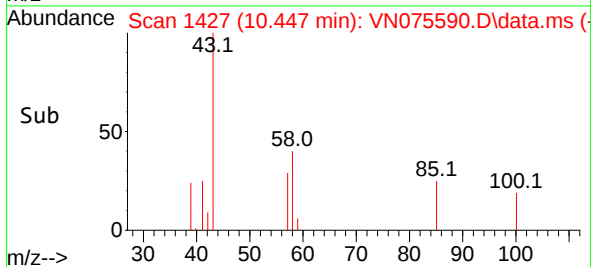
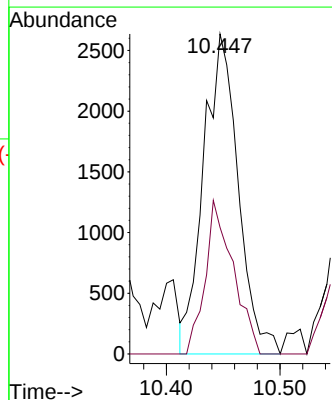
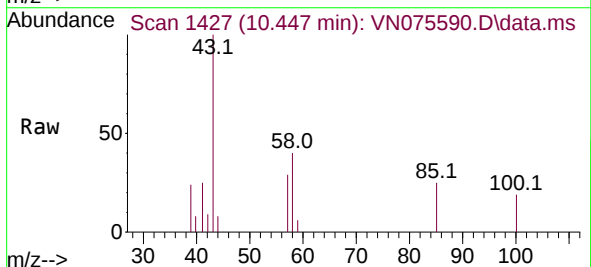
Instrument :  
MSVOA\_N  
ClientSampleId :  
HILL-12-02-SIL

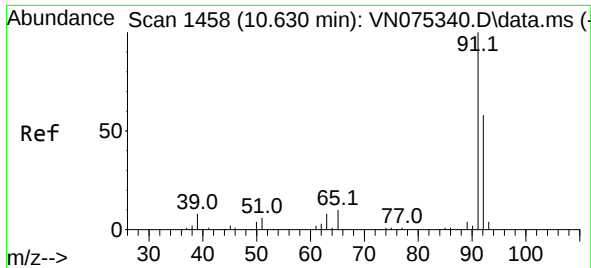
Tgt Ion: 98 Resp: 154303  
Ion Ratio Lower Upper  
98 100  
100 66.3 53.0 79.6



#51  
4-Methyl-2-Pentanone  
Concen: 2.045 ug/l  
RT: 10.447 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

Tgt Ion: 43 Resp: 5581  
Ion Ratio Lower Upper  
43 100  
58 38.8 33.6 50.4

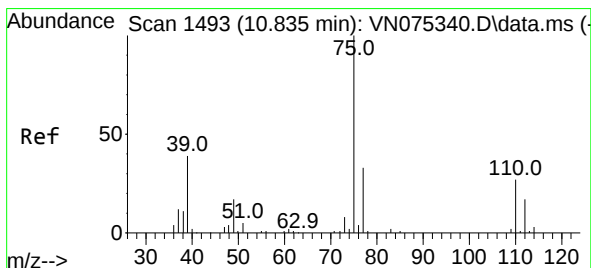
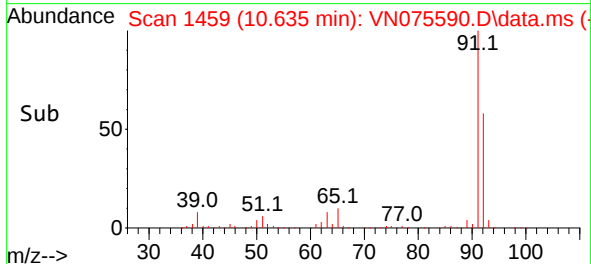
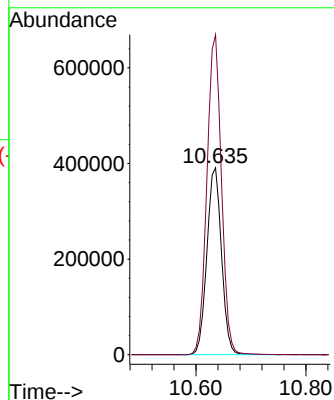
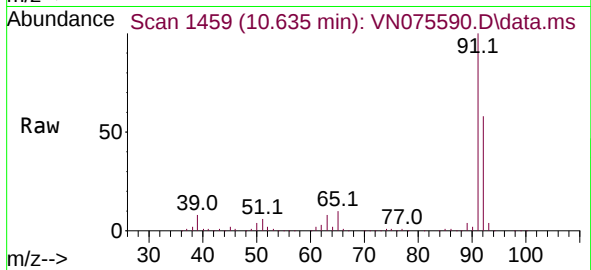




#52  
Toluene  
Concen: 123.142 ug/l  
RT: 10.635 min Scan# 1458  
Delta R.T. 0.005 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

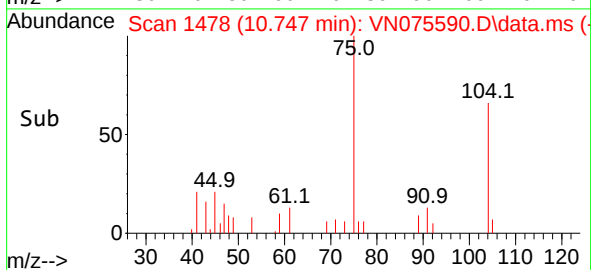
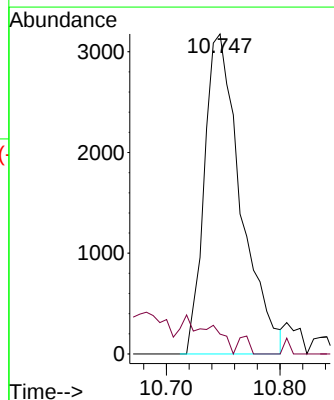
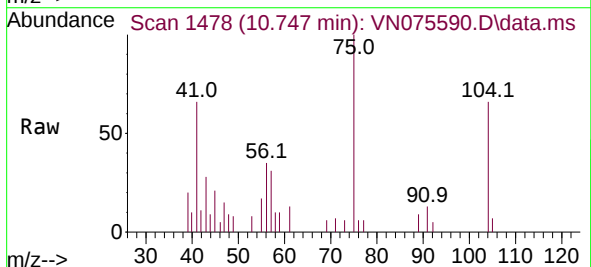
Instrument :  
MSVOA\_N  
ClientSampleId :  
HILL-12-02-SIL

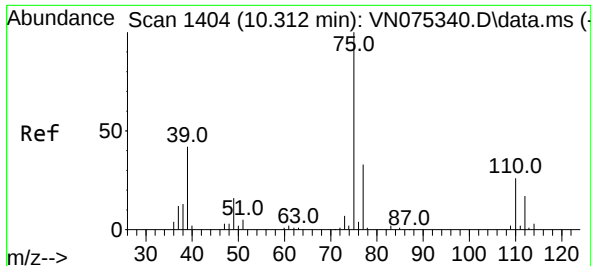
Tgt Ion: 92 Resp: 720172  
Ion Ratio Lower Upper  
92 100  
91 170.5 135.4 203.2



#53  
t-1,3-Dichloropropene  
Concen: 2.221 ug/l  
RT: 10.747 min Scan# 1478  
Delta R.T. -0.088 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

Tgt Ion: 75 Resp: 7064  
Ion Ratio Lower Upper  
75 100  
77 6.2 25.4 38.2#

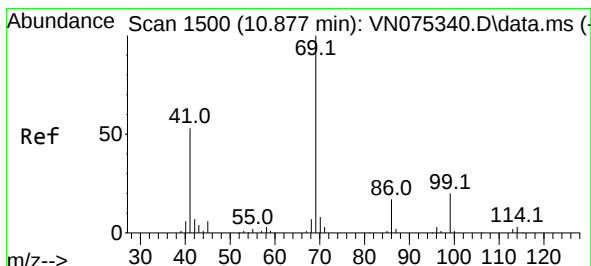
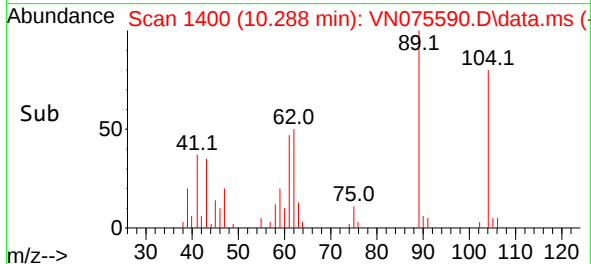
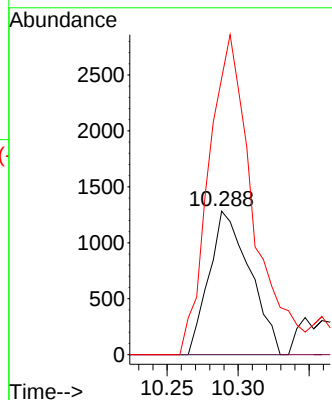
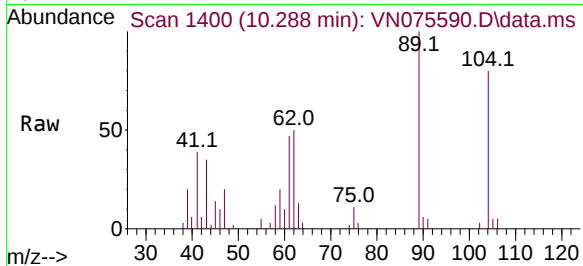




#54  
 cis-1,3-Dichloropropene  
 Concen: 0.743 ug/l  
 RT: 10.288 min Scan# 1404  
 Delta R.T. -0.024 min  
 Lab File: VN075590.D  
 Acq: 06 Dec 2022 17:26

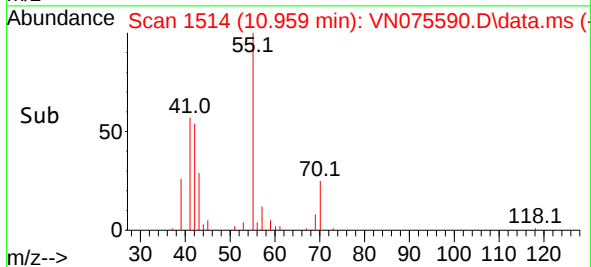
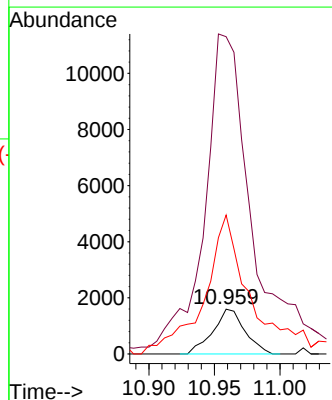
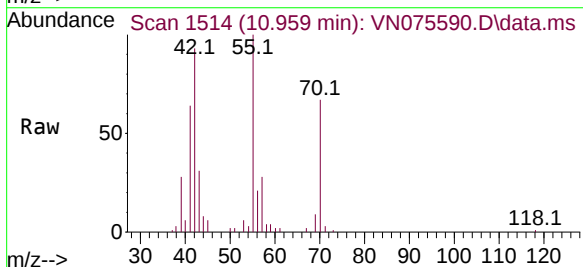
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HILL-12-02-SIL

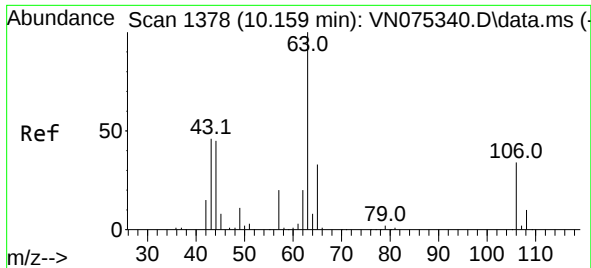
Tgt Ion: 75 Resp: 2565  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 23.7 35.5#  
 39 192.7 35.8 53.6#



#56  
 Ethyl methacrylate  
 Concen: 0.843 ug/l  
 RT: 10.959 min Scan# 1514  
 Delta R.T. 0.082 min  
 Lab File: VN075590.D  
 Acq: 06 Dec 2022 17:26

Tgt Ion: 69 Resp: 2712  
 Ion Ratio Lower Upper  
 69 100  
 41 1025.2 45.6 68.4#  
 39 453.0 28.5 42.7#

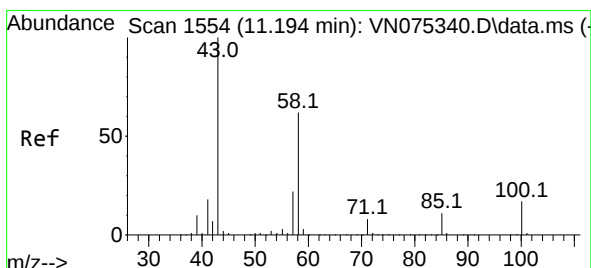
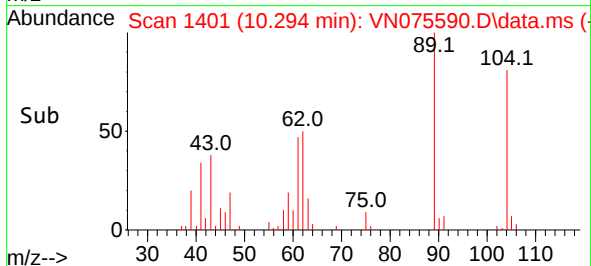
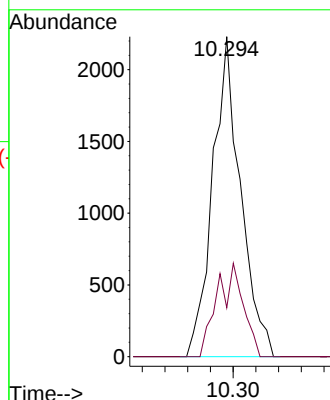
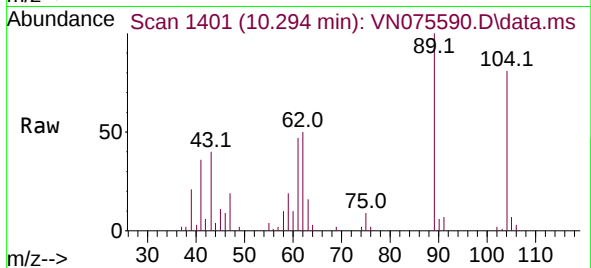




#58  
2-Chloroethyl Vinyl ether  
Concen: 3.286 ug/l  
RT: 10.294 min Scan# 1401  
Delta R.T. 0.135 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

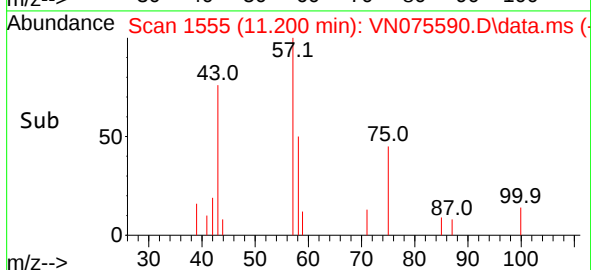
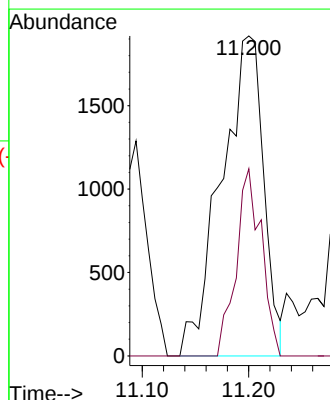
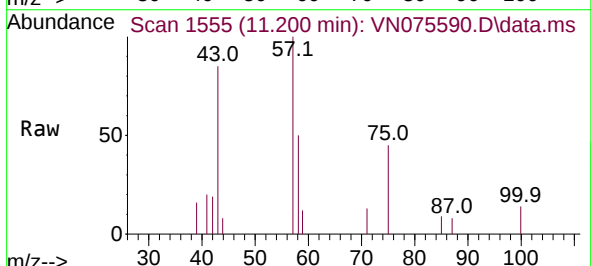
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MSVOA\_N  
ClientSampleId :  
HILL-12-02-SIL

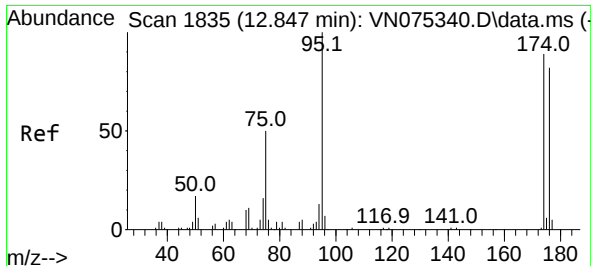
Tgt Ion: 63 Resp: 3812  
Ion Ratio Lower Upper  
63 100  
106 27.3 24.8 37.2



#59  
2-Hexanone  
Concen: 2.582 ug/l  
RT: 11.200 min Scan# 1555  
Delta R.T. 0.006 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

Tgt Ion: 43 Resp: 5291  
Ion Ratio Lower Upper  
43 100  
58 0.0 29.6 88.8#





#62

4-Bromofluorobenzene

Concen: 51.566 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

Instrument :

MSVOA\_N

ClientSampleId :

HILL-12-02-SIL

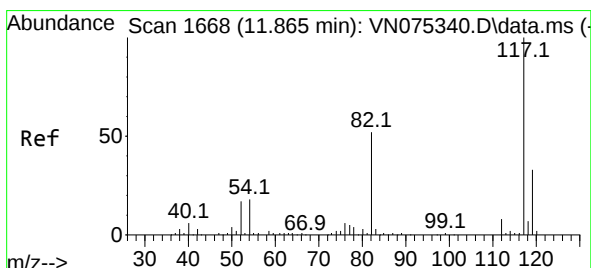
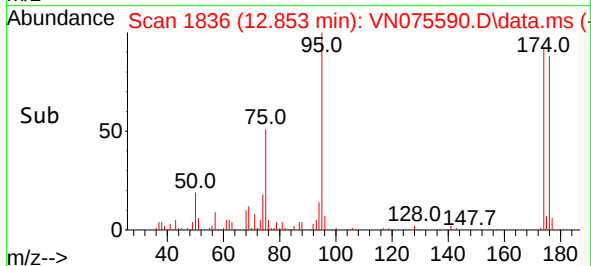
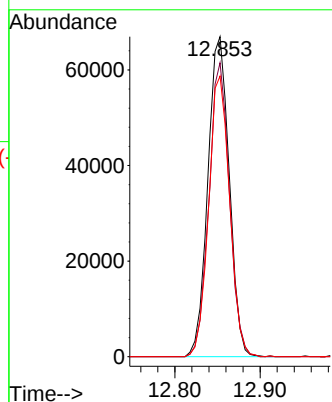
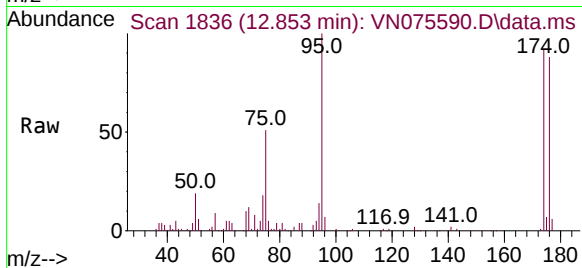
Tgt Ion: 95 Resp: 116521

Ion Ratio Lower Upper

95 100

174 88.1 0.0 147.4

176 86.1 0.0 142.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1668

Delta R.T. -0.000 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

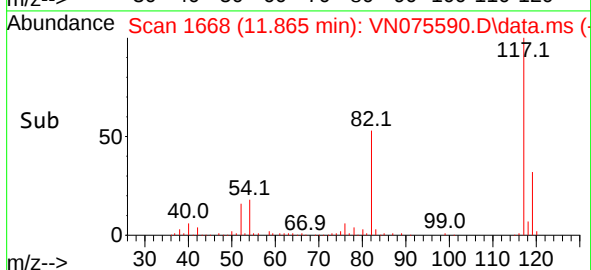
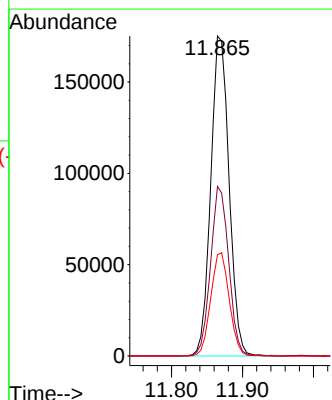
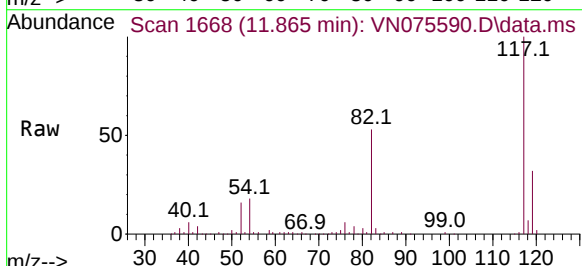
Tgt Ion: 117 Resp: 313426

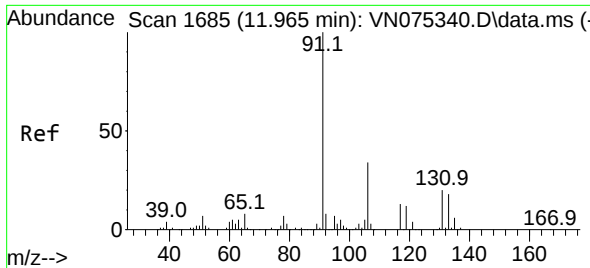
Ion Ratio Lower Upper

117 100

82 53.0 43.1 64.7

119 31.6 25.5 38.3

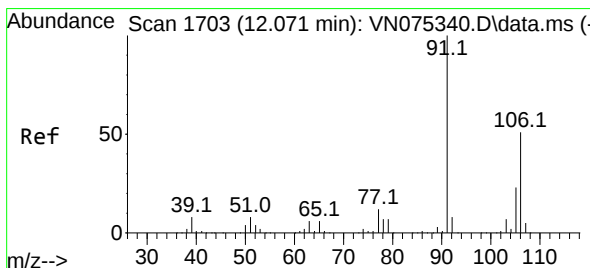
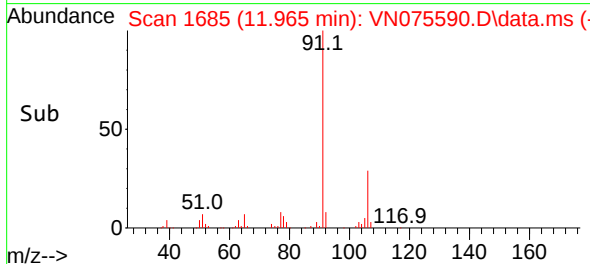
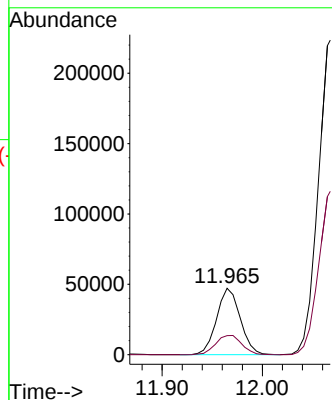
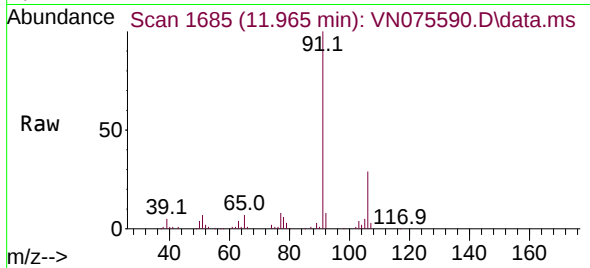




#67  
Ethyl Benzene  
Concen: 6.988 ug/l  
RT: 11.965 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

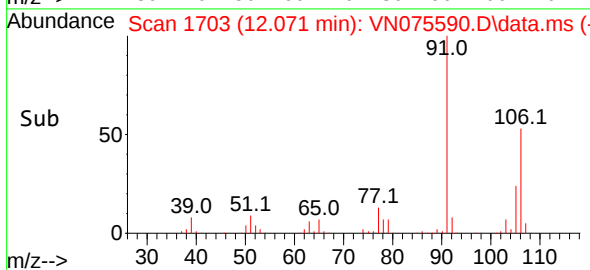
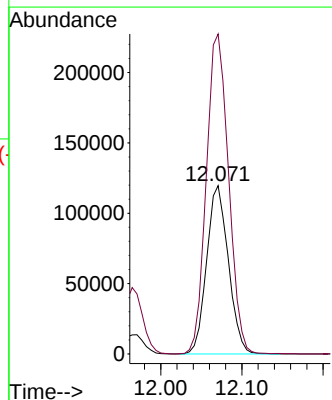
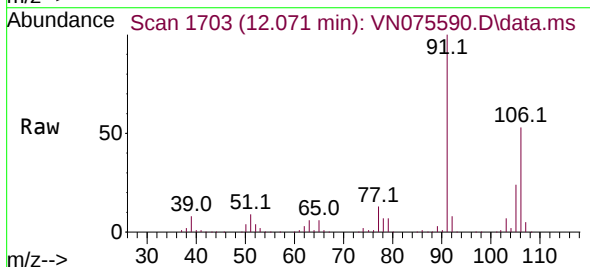
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ClientSampleId :  
HILL-12-02-SIL

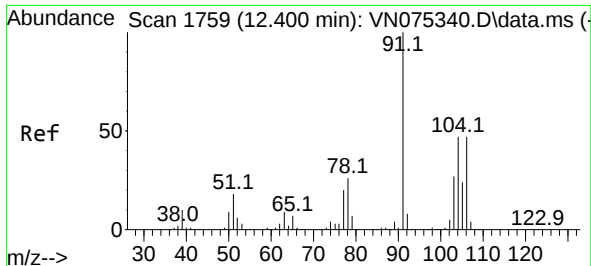
Tgt Ion: 91 Resp: 77166  
Ion Ratio Lower Upper  
91 100  
106 28.7 24.9 37.3



#68  
m/p-Xylenes  
Concen: 49.504 ug/l  
RT: 12.071 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

Tgt Ion: 106 Resp: 221994  
Ion Ratio Lower Upper  
106 100  
91 195.2 156.0 234.0

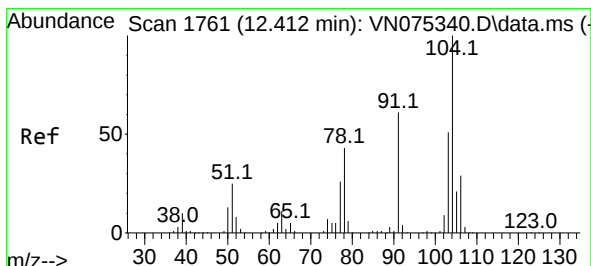
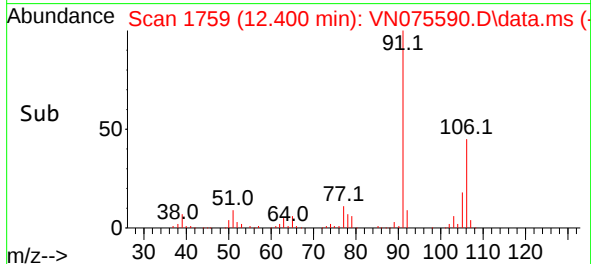
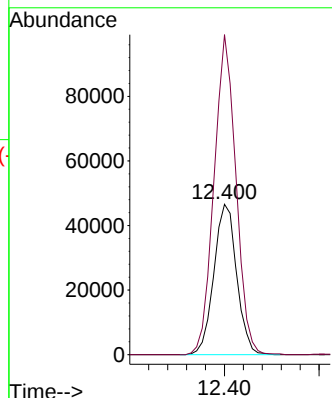
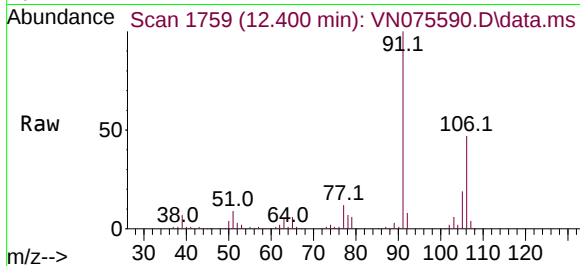




#69  
o-Xylene  
Concen: 17.471 ug/l  
RT: 12.400 min Scan# 1759  
Delta R.T. 0.000 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

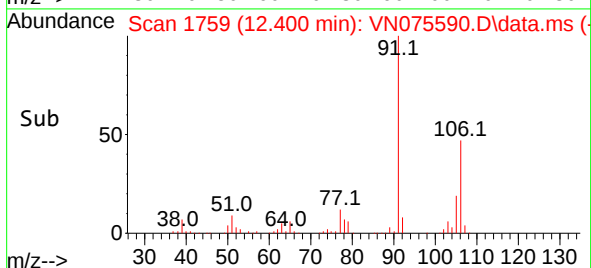
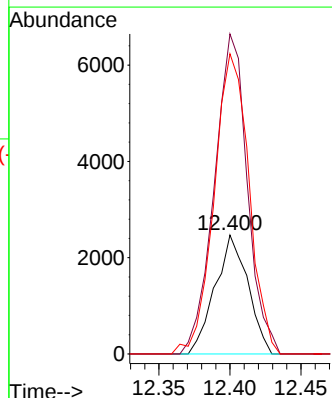
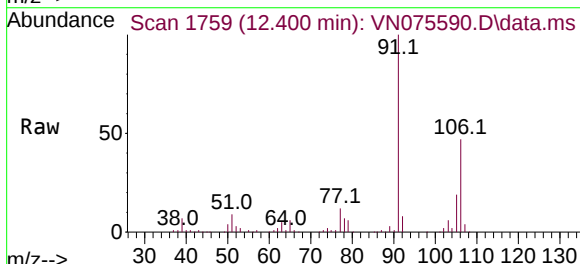
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MSVOA\_N  
ClientSampleId :  
HILL-12-02-SIL

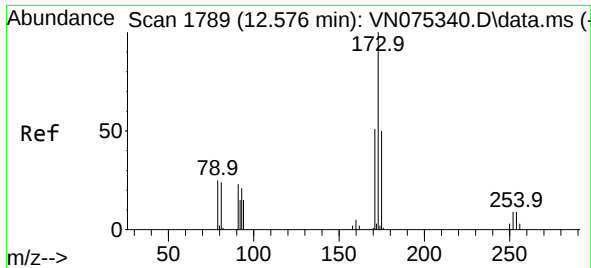
Tgt Ion:106 Resp: 77841  
Ion Ratio Lower Upper  
106 100  
91 204.7 105.2 315.5



#70  
Styrene  
Concen: 0.566 ug/l  
RT: 12.400 min Scan# 1759  
Delta R.T. -0.012 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

Tgt Ion:104 Resp: 3978  
Ion Ratio Lower Upper  
104 100  
78 270.0 38.1 57.1#  
103 267.2 44.6 66.8#

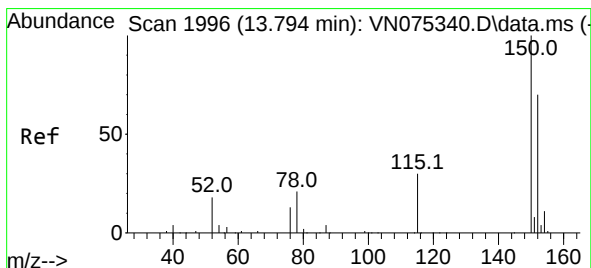
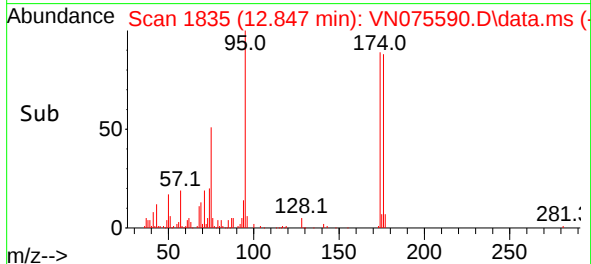
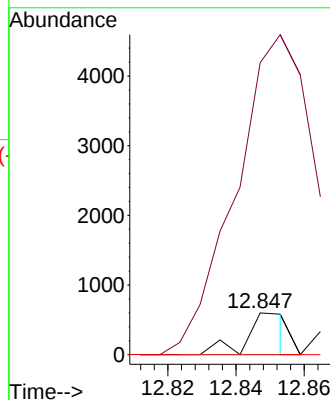
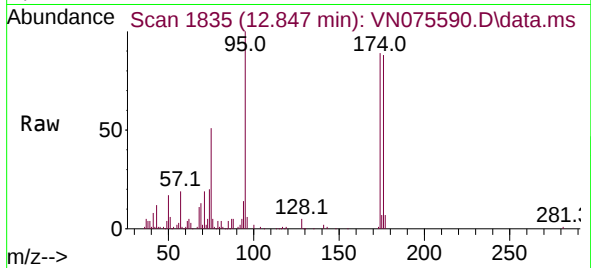




#71  
Bromoform  
Concen: 0.267 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. 0.271 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

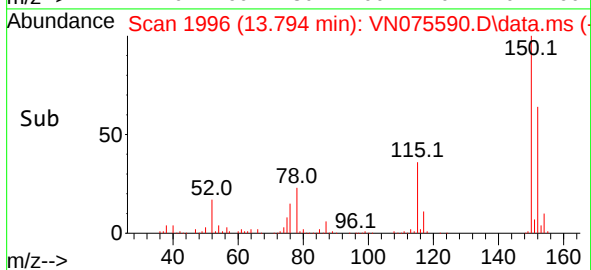
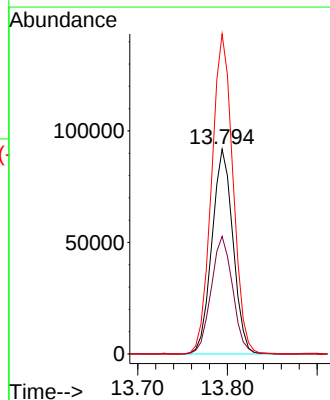
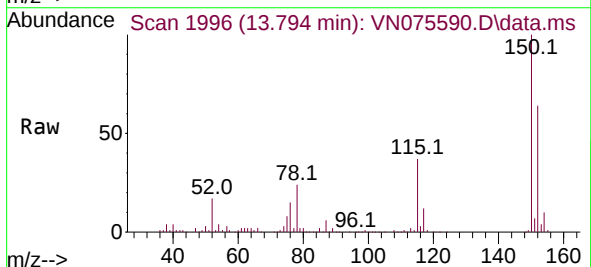
Instrument :  
MSVOA\_N  
ClientSampleId :  
HILL-12-02-SIL

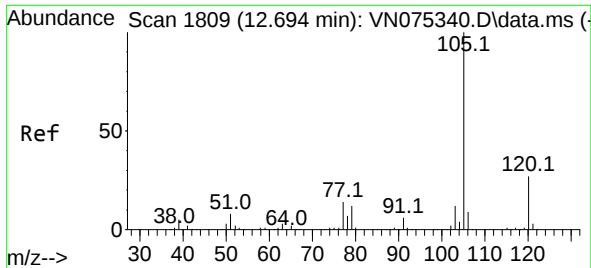
Tgt Ion:173 Resp: 491  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.6 74.0#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

Tgt Ion:152 Resp: 149307  
Ion Ratio Lower Upper  
152 100  
115 59.0 30.2 90.6  
150 158.8 0.0 348.4

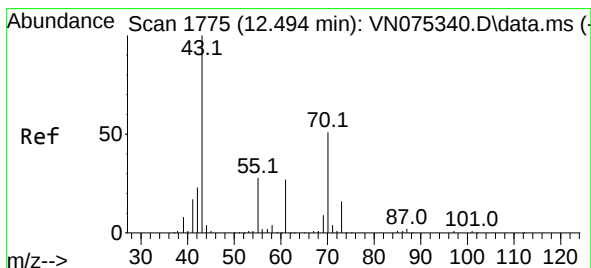
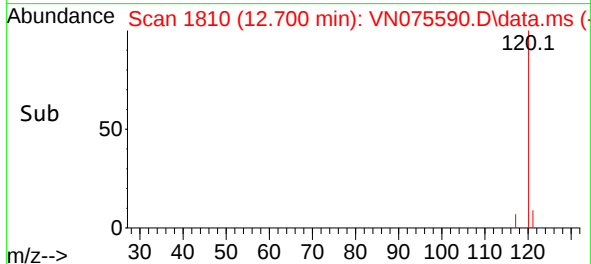
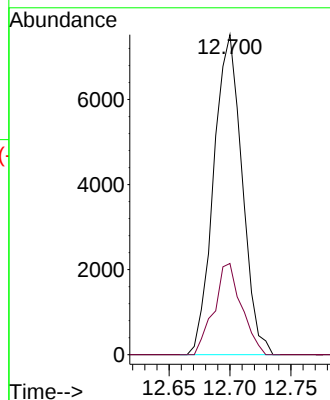
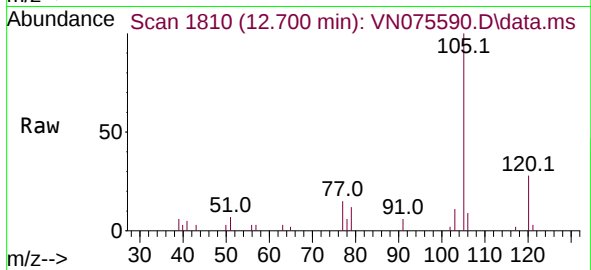




#73  
Isopropylbenzene  
Concen: 1.120 ug/l  
RT: 12.700 min Scan# 1769  
Delta R.T. 0.006 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

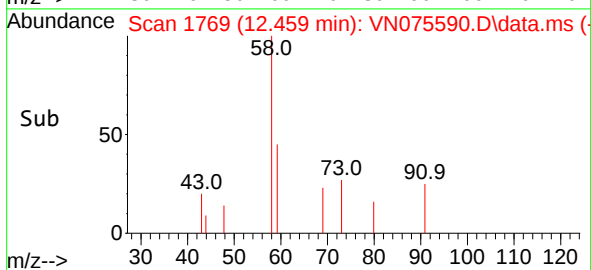
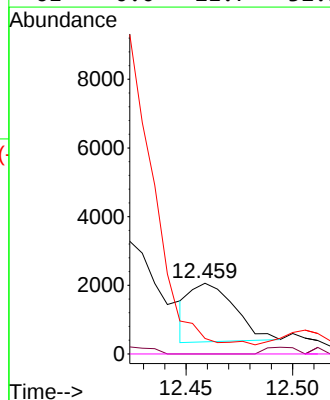
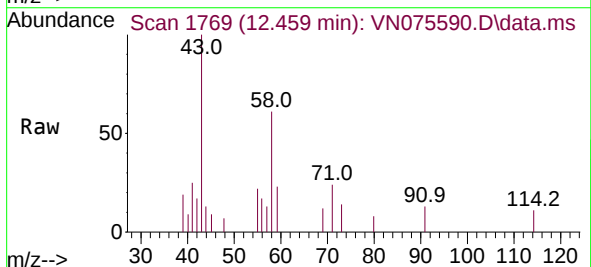
Instrument :  
MSVOA\_N  
ClientSampleId :  
HILL-12-02-SIL

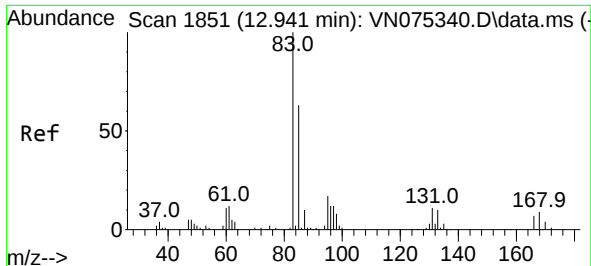
Tgt Ion:105 Resp: 12219  
Ion Ratio Lower Upper  
105 100  
120 27.6 13.1 39.1



#74  
N-ethyl acetate  
Concen: 0.741 ug/l  
RT: 12.459 min Scan# 1769  
Delta R.T. -0.035 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

Tgt Ion: 43 Resp: 2485  
Ion Ratio Lower Upper  
43 100  
70 0.0 39.8 59.8#  
55 0.0 19.9 29.9#  
61 0.0 21.7 32.5#

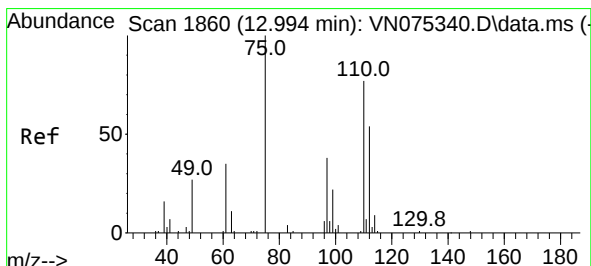
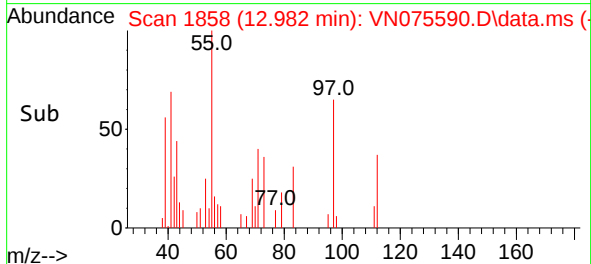
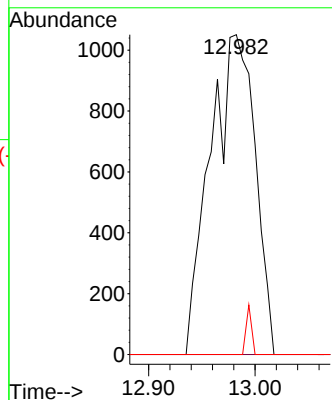
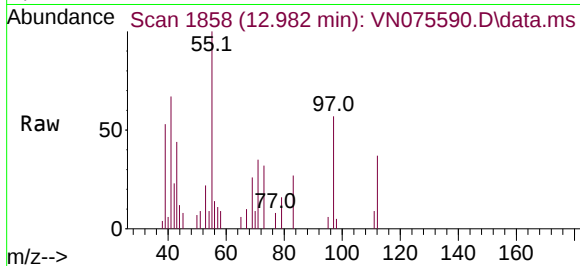




#75  
1,1,2,2-Tetrachloroethane  
Concen: 0.925 ug/l  
RT: 12.982 min Scan# 1858  
Delta R.T. 0.041 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

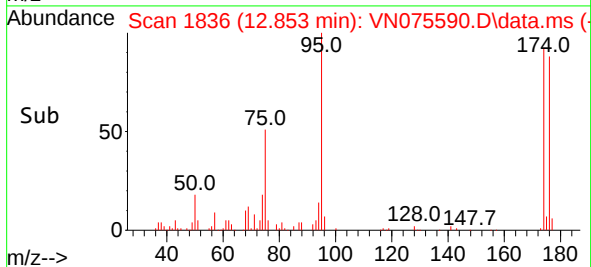
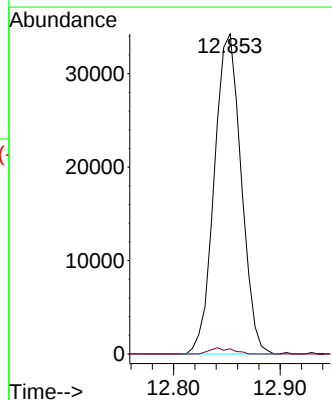
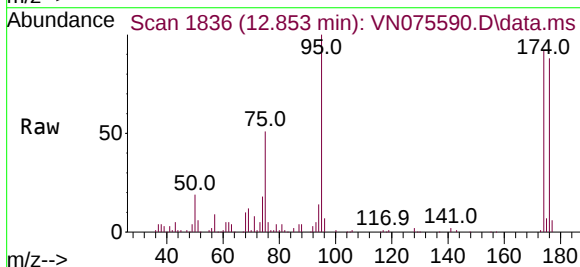
Instrument :  
MSVOA\_N  
ClientSampleId :  
HILL-12-02-SIL

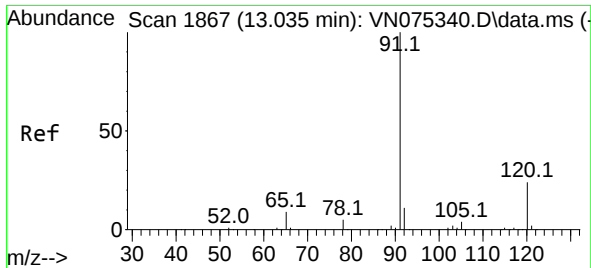
Tgt Ion: 83 Resp: 3077  
Ion Ratio Lower Upper  
83 100  
131 0.0 5.1 15.3#  
85 0.0 31.6 94.7#



#76  
1,2,3-Trichloropropane  
Concen: 21.250 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.141 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

Tgt Ion: 75 Resp: 59989  
Ion Ratio Lower Upper  
75 100  
77 1.6 75.6 226.8#

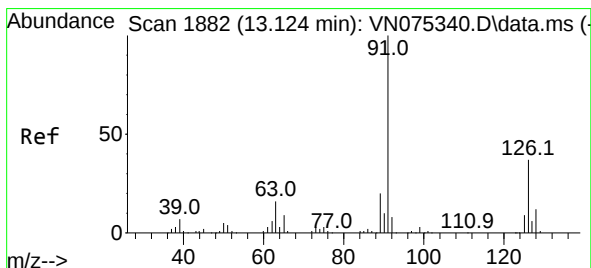
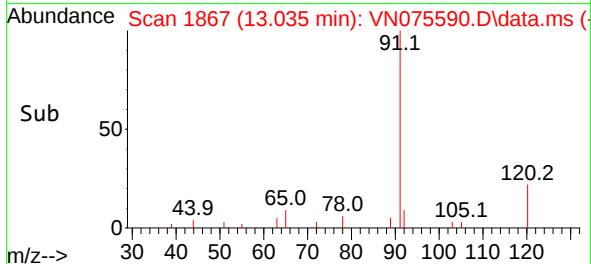
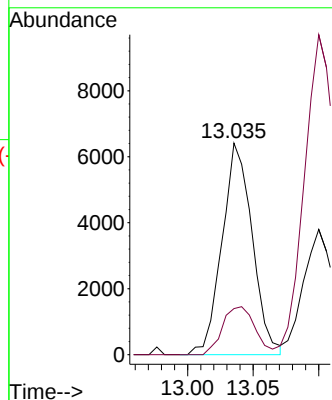
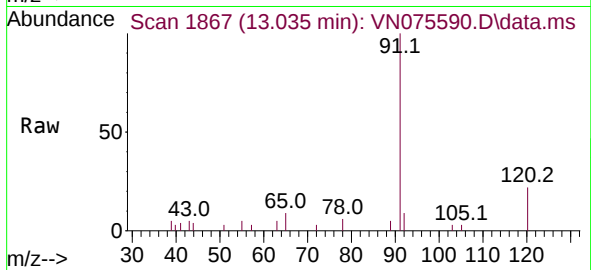




#78  
n-propylbenzene  
Concen: 0.845 ug/l  
RT: 13.035 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

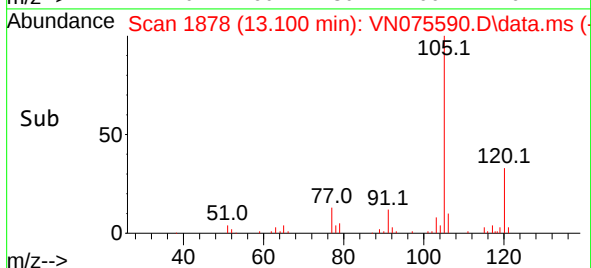
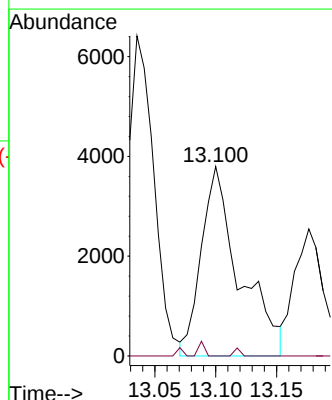
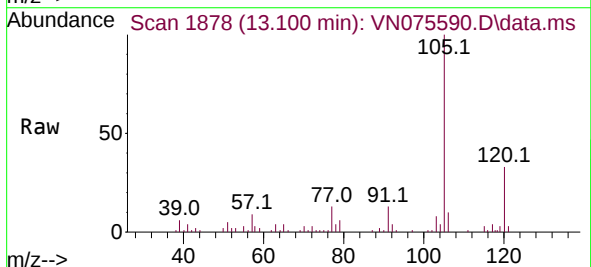
Instrument :  
MSVOA\_N  
ClientSampleId :  
HILL-12-02-SIL

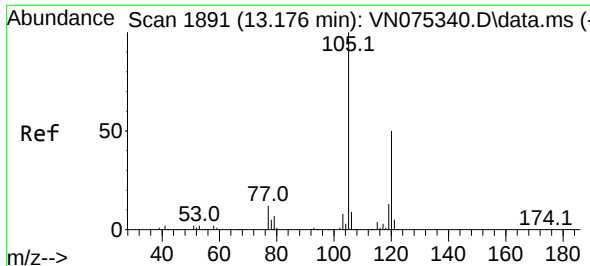
Tgt Ion: 91 Resp: 10287  
Ion Ratio Lower Upper  
91 100  
120 24.3 11.9 35.5



#79  
2-Chlorotoluene  
Concen: 1.133 ug/l  
RT: 13.100 min Scan# 1878  
Delta R.T. -0.024 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

Tgt Ion: 91 Resp: 8309  
Ion Ratio Lower Upper  
91 100  
126 1.3 16.9 50.7#

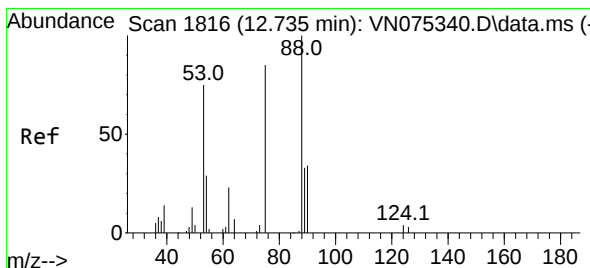
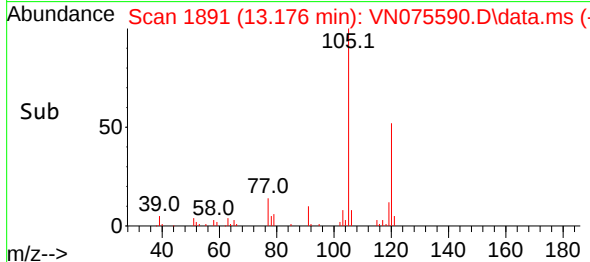
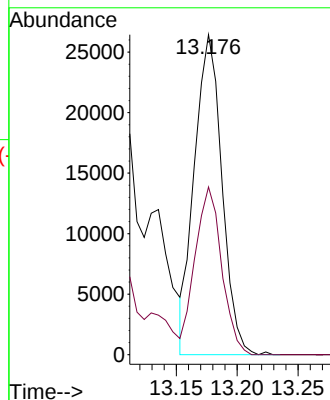
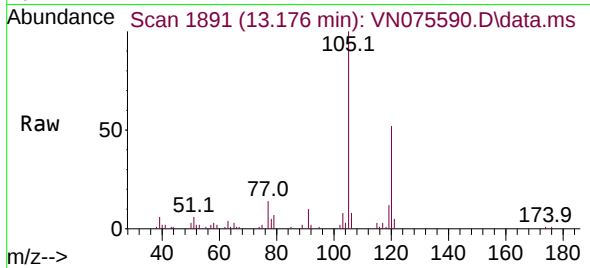




#80  
1,3,5-Trimethylbenzene  
Concen: 4.576 ug/l  
RT: 13.176 min Scan# 1891  
Delta R.T. 0.000 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

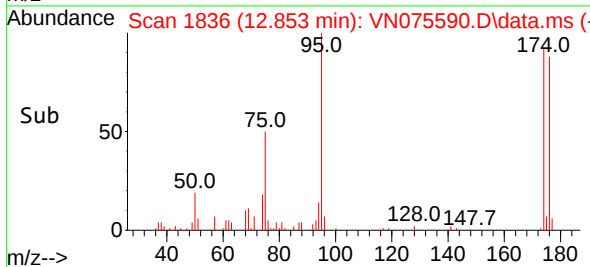
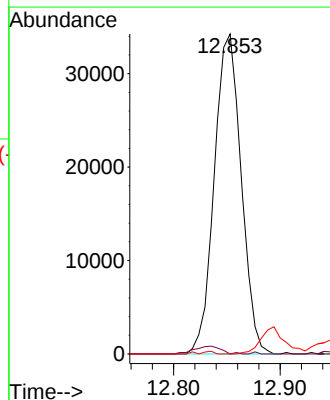
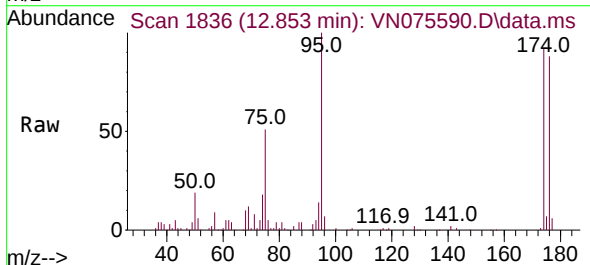
Instrument :  
MSVOA\_N  
ClientSampleId :  
HILL-12-02-SIL

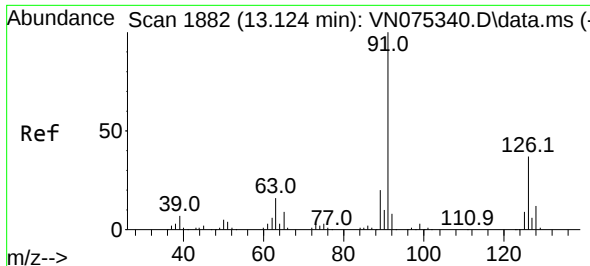
Tgt Ion:105 Resp: 41471  
Ion Ratio Lower Upper  
105 100  
120 50.8 24.7 74.1



#81  
trans-1,4-Dichloro-2-butene  
Concen: 62.874 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.118 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

Tgt Ion: 75 Resp: 59989  
Ion Ratio Lower Upper  
75 100  
53 2.5 78.5 117.7#  
89 0.4 37.7 56.5#

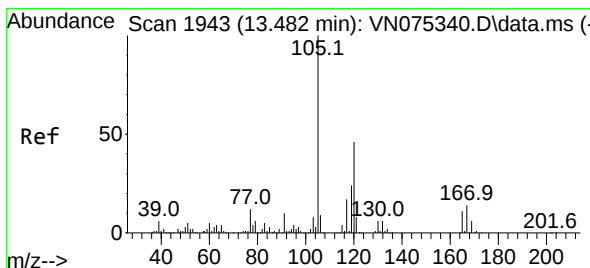
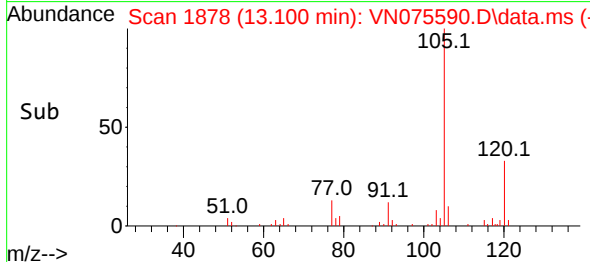
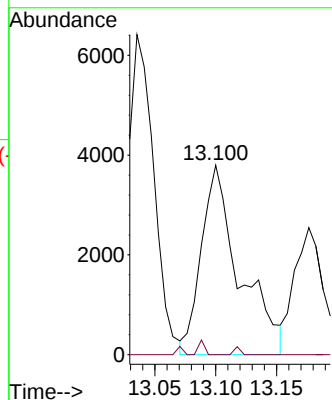
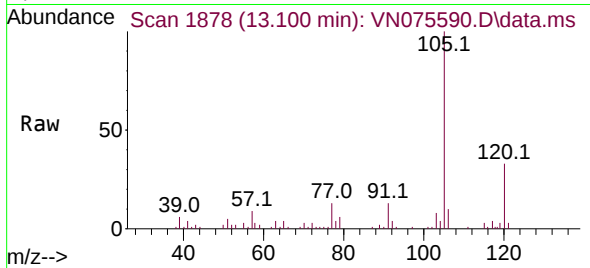




#82  
4-Chlorotoluene  
Concen: 1.133 ug/l  
RT: 13.100 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

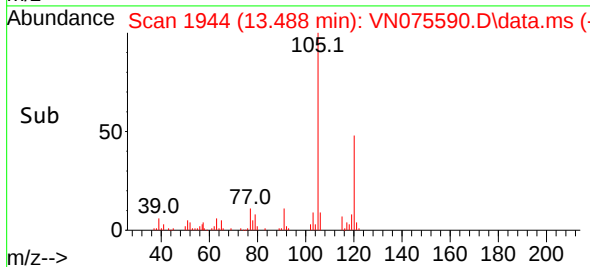
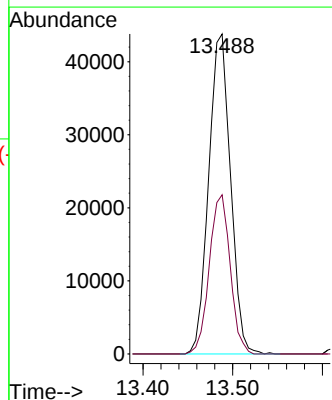
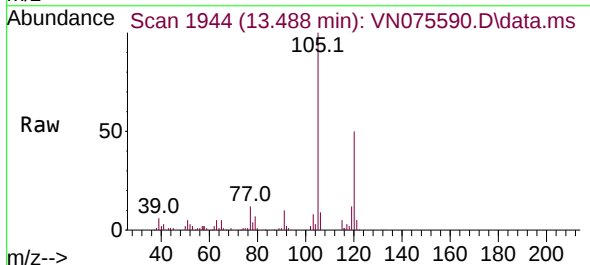
Instrument :  
MSVOA\_N  
ClientSampleId :  
HILL-12-02-SIL

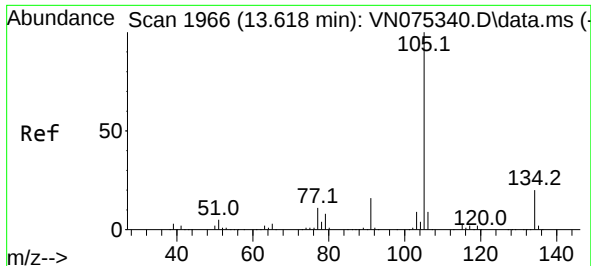
Tgt Ion: 91 Resp: 8309  
Ion Ratio Lower Upper  
91 100  
126 1.3 16.9 50.7#



#84  
1,2,4-Trimethylbenzene  
Concen: 8.145 ug/l  
RT: 13.488 min Scan# 1944  
Delta R.T. 0.006 min  
Lab File: VN075590.D  
Acq: 06 Dec 2022 17:26

Tgt Ion: 105 Resp: 74044  
Ion Ratio Lower Upper  
105 100  
120 47.5 22.7 68.1





#85

sec-Butylbenzene

Concen: 6.604 ug/l

RT: 13.488 min Scan# 1966

Delta R.T. -0.130 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

Instrument :

MSVOA\_N

ClientSampleId :

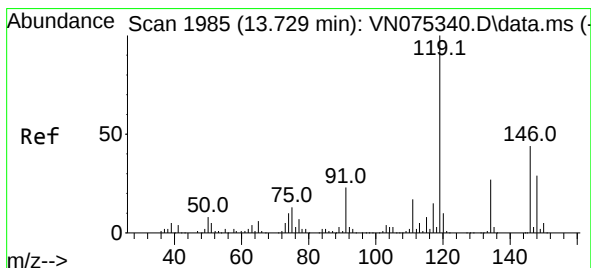
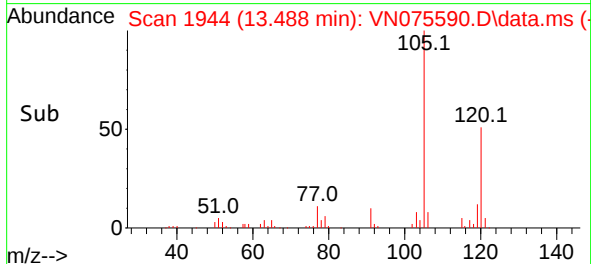
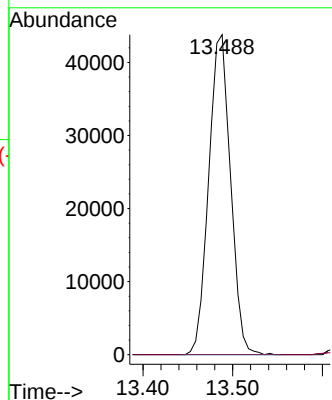
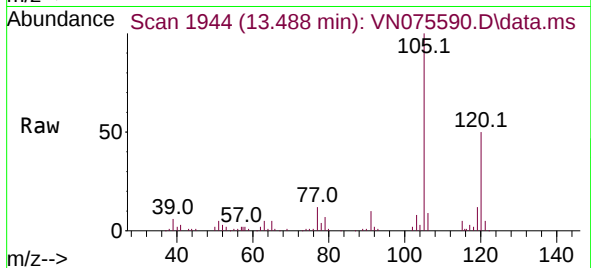
HILL-12-02-SIL

Tgt Ion:105 Resp: 74044

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 0.261 ug/l

RT: 13.888 min Scan# 2012

Delta R.T. 0.159 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

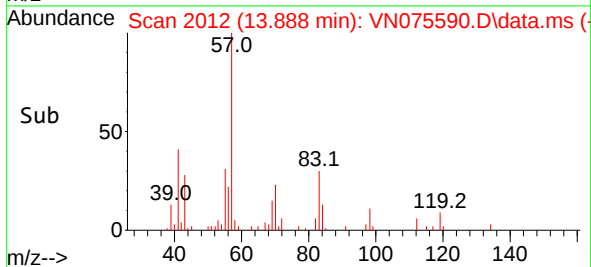
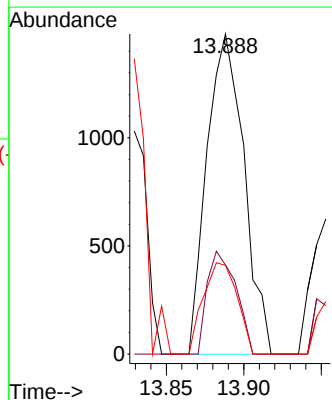
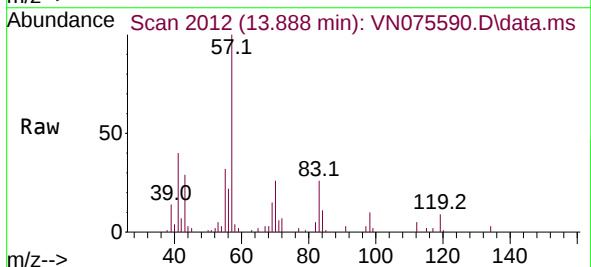
Tgt Ion:119 Resp: 2462

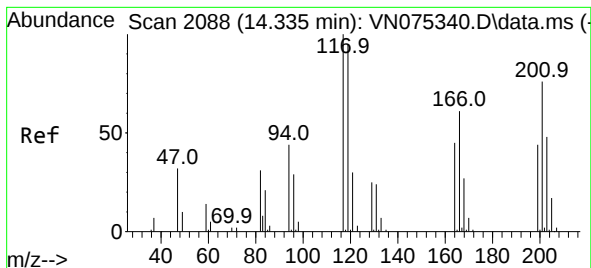
Ion Ratio Lower Upper

119 100

134 25.0 13.1 39.3

91 26.0 11.9 35.5





#90

Hexachloroethane

Concen: 0.212 ug/l

RT: 14.335 min Scan# 2088

Delta R.T. 0.000 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

Instrument :

MSVOA\_N

ClientSampleId :

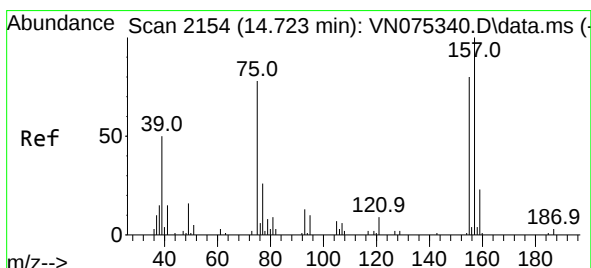
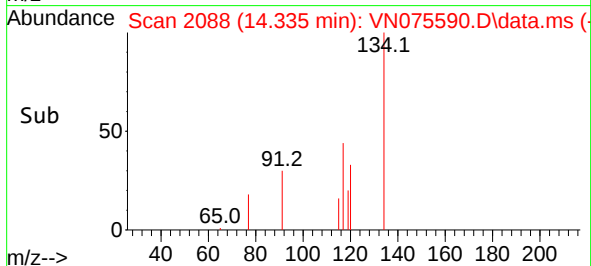
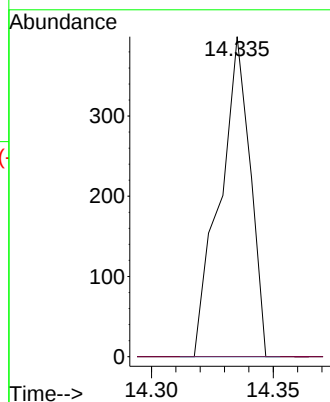
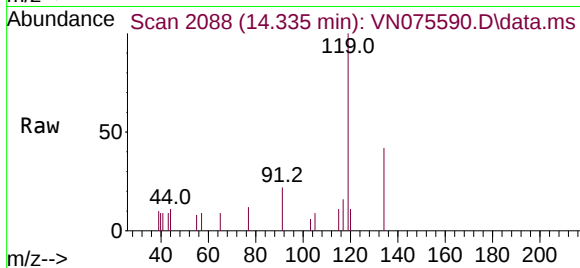
HILL-12-02-SIL

Tgt Ion:117 Resp: 345

Ion Ratio Lower Upper

117 100

201 0.0 31.5 94.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.081 ug/l

RT: 14.776 min Scan# 2163

Delta R.T. 0.053 min

Lab File: VN075590.D

Acq: 06 Dec 2022 17:26

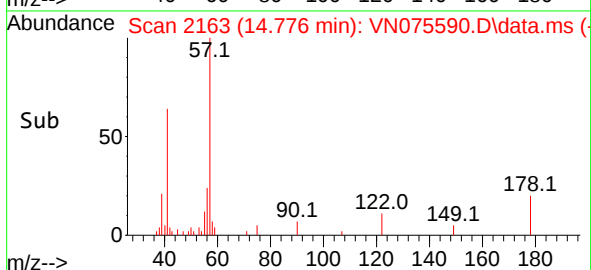
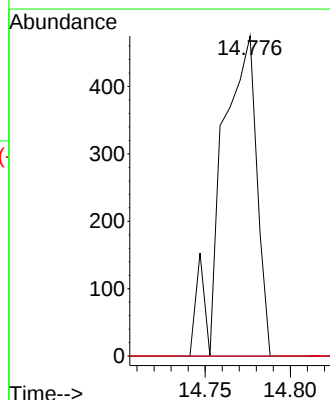
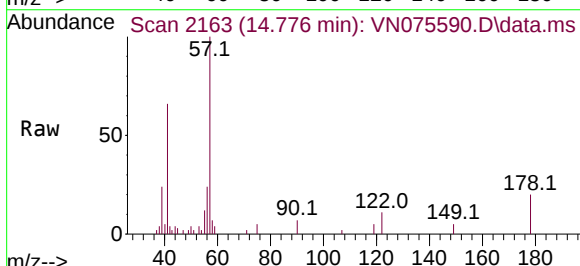
Tgt Ion: 75 Resp: 681

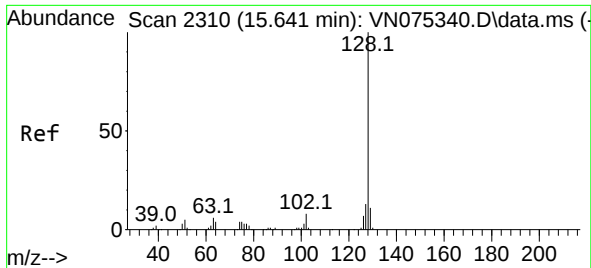
Ion Ratio Lower Upper

75 100

155 0.0 42.1 126.3#

157 0.0 51.7 155.1#





#95

Naphthalene

Concen: 0.301 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN075590.D

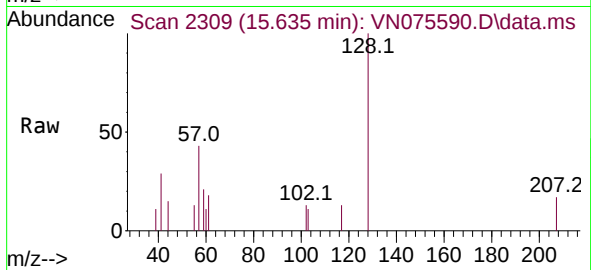
Acq: 06 Dec 2022 17:26

Instrument :

MSVOA\_N

ClientSampleId :

HILL-12-02-SIL



Tgt Ion:128 Resp: 2417

Ion Ratio Lower Upper

128 100

127 9.4 10.4 15.6#

129 2.7 8.6 12.8#

