

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080222\  
 Data File : VN073695.D  
 Acq On : 02 Aug 2022 18:29  
 Operator : JC\MD  
 Sample : N3971-24  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COP-1R

Quant Time: Aug 03 02:09:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 29 02:20:25 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 8.016          | 168  | 340879     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.904          | 114  | 556672     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.686         | 117  | 541580     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.615         | 152  | 267139     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.369          | 65   | 206619     | 49.738    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 99.480%   |        |          |
| 35) Dibromofluoromethane      | 7.951          | 113  | 192232     | 54.993    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 109.980%  |        |          |
| 50) Toluene-d8                | 10.380         | 98   | 643449     | 46.778    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 93.560%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.674         | 95   | 253571     | 54.277    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 108.560%  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 3) Chloromethane              | 2.269          | 50   | 773        | Below Cal |        | 98       |
| 6) Chloroethane               | 3.075          | 64   | 721        | Below Cal | #      | 48       |
| 11) Tert butyl alcohol        | 5.287          | 59   | 2191       | 2.446     | ug/l # | 94       |
| 13) Acrolein                  | 3.934          | 56   | 201        | 0.226     | ug/l # | 1        |
| 14) Allyl chloride            | 4.734          | 41   | 2570       | 0.497     | ug/l # | 37       |
| 16) Acetone                   | 4.228          | 43   | 43832      | 19.645    | ug/l   | 94       |
| 18) Methyl Acetate            | 4.792          | 43   | 2046       | 0.369     | ug/l # | 48       |
| 20) Methylene Chloride        | 5.010          | 84   | 886        | Below Cal | #      | 58       |
| 25) 2-Butanone                | 7.269          | 43   | 8077       | 2.331     | ug/l # | 88       |
| 29) Tetrahydrofuran           | 7.633          | 42   | 1271       | 0.580     | ug/l # | 75       |
| 31) Cyclohexane               | 8.016          | 56   | 8388       | 1.356     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 8.016          | 75   | 25888      | 5.196     | ug/l # | 48       |
| 37) Ethyl Acetate             | 7.345          | 43   | 121641     | 18.540    | ug/l   | 100      |
| 38) Carbon Tetrachloride      | 8.016          | 117  | 32692      | 6.461     | ug/l # | 17       |
| 40) Benzene                   | 8.392          | 78   | 71667      | 4.430     | ug/l   | 98       |
| 41) Methacrylonitrile         | 7.628          | 41   | 1100       | 0.371     | ug/l # | 26       |
| 51) 4-Methyl-2-Pentanone      | 10.274         | 43   | 3320       | 0.522     | ug/l   | 88       |
| 52) Toluene                   | 10.445         | 92   | 256011     | 25.908    | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.445         | 75   | 2799       | 0.526     | ug/l # | 1        |
| 59) 2-Hexanone                | 11.004         | 43   | 14946      | 3.104     | ug/l # | 21       |
| 67) Ethyl Benzene             | 11.786         | 91   | 114043     | 5.876     | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.892         | 106  | 157147     | 21.231    | ug/l   | 98       |
| 69) o-Xylene                  | 12.221         | 106  | 102536     | 14.209    | ug/l   | 99       |
| 70) Styrene                   | 12.227         | 104  | 11351      | 0.983     | ug/l # | 1        |
| 73) Isopropylbenzene          | 12.521         | 105  | 5309       | 0.271     | ug/l   | 94       |
| 74) N-amyl acetate            | 12.298         | 43   | 15436      | 2.089     | ug/l # | 42       |
| 76) 1,2,3-Trichloropropane    | 12.674         | 75   | 131105     | 25.191    | ug/l # | 1        |
| 78) n-propylbenzene           | 12.863         | 91   | 5001       | 0.227     | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 13.004         | 105  | 14144      | 0.879     | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.674         | 75   | 131105     | 63.601    | ug/l # | 10       |
| 83) tert-Butylbenzene         | 13.310         | 119  | 5329       | 0.374     | ug/l # | 65       |
| 84) 1,2,4-Trimethylbenzene    | 13.310         | 105  | 39349      | 2.487     | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.310         | 105  | 39349      | 1.997     | ug/l # | 56       |
| 89) n-Butylbenzene            | 13.815         | 91   | 3821       | 0.302     | ug/l # | 36       |
| 95) Naphthalene               | 15.439         | 128  | 38847      | 2.559     | ug/l   | 98       |
| -----                         |                |      |            |           |        |          |

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Instrument :  
MSVOA\_N  
ClientSampleId :  
COP-1R

Quant Time: Aug 03 02:09:46 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 29 02:20:25 2022  
Response via : Initial Calibration

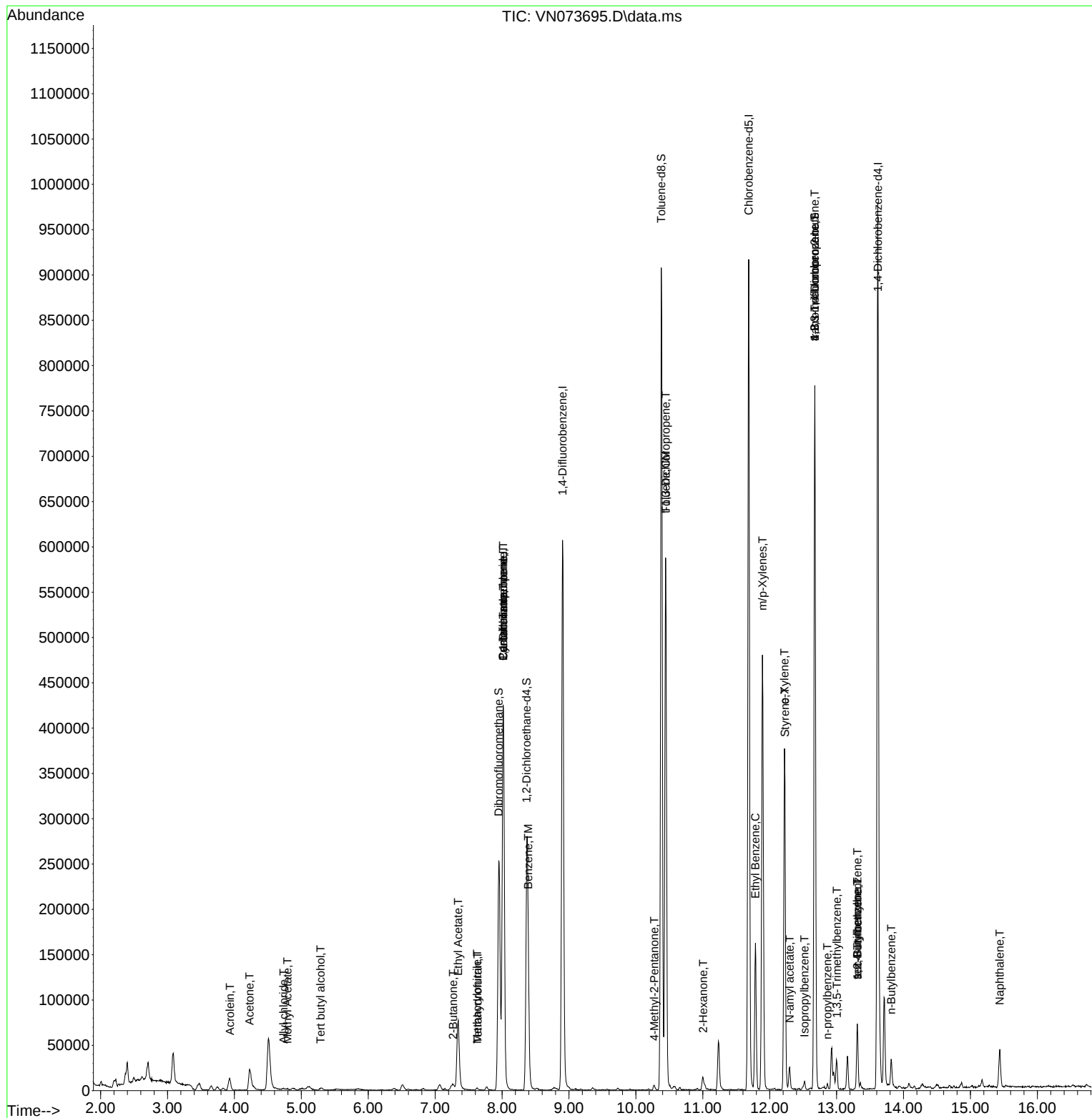
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

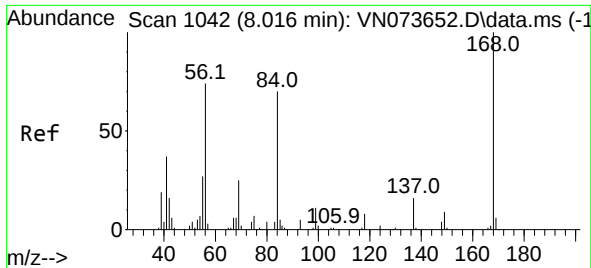
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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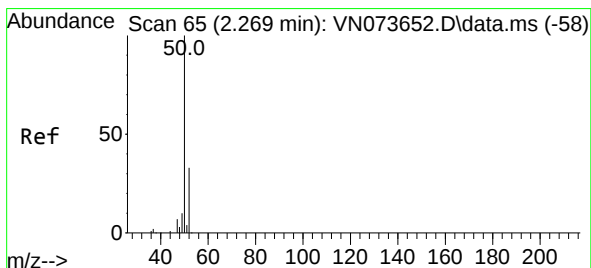
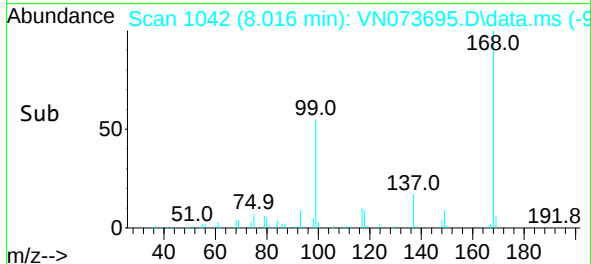
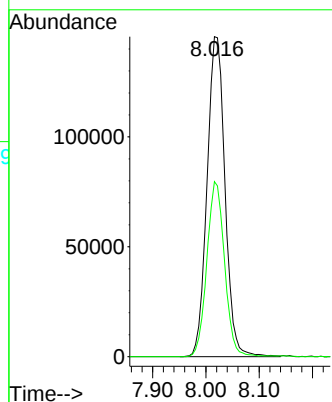
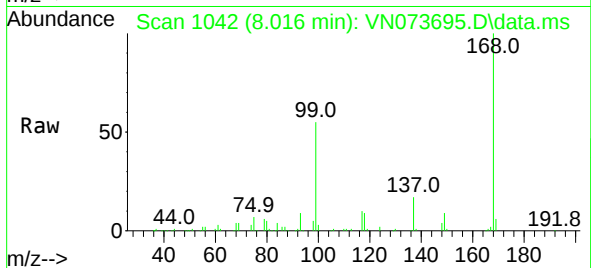




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

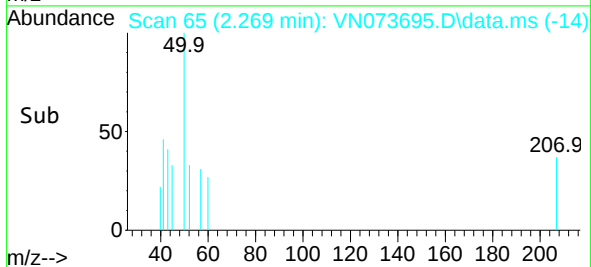
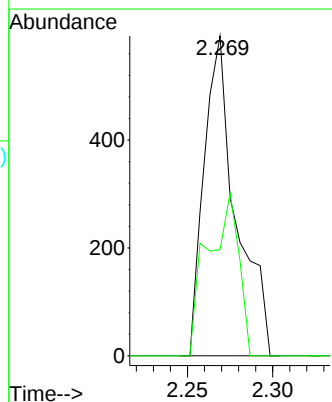
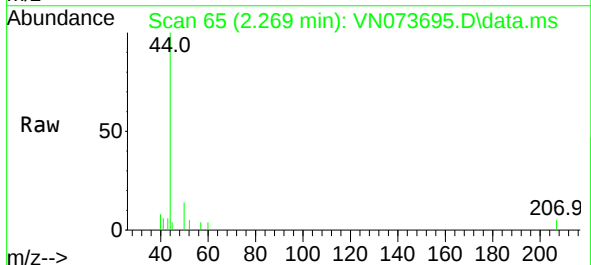
Instrument :  
MSVOA\_N  
ClientSampleId :  
COP-1R

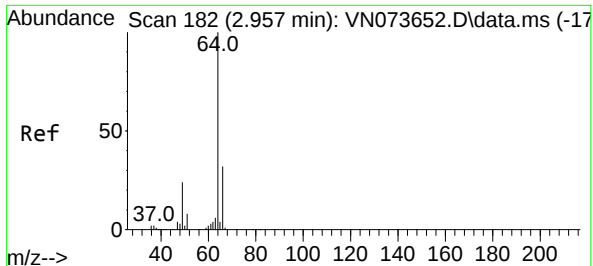
Tgt Ion:168 Resp: 340879  
Ion Ratio Lower Upper  
168 100  
99 54.7 42.3 63.5



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.269 min Scan# 65  
Delta R.T. 0.000 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

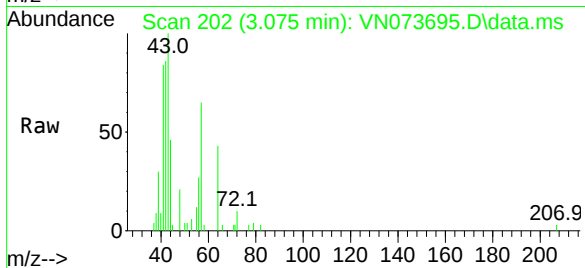
Tgt Ion: 50 Resp: 773  
Ion Ratio Lower Upper  
50 100  
52 33.2 25.7 38.5



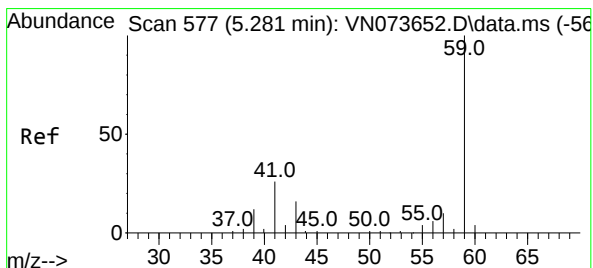
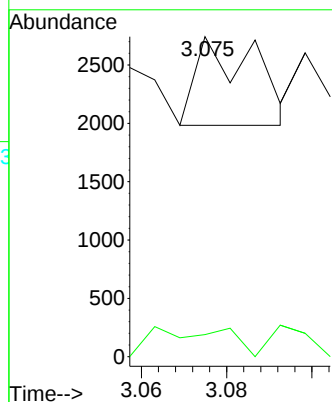
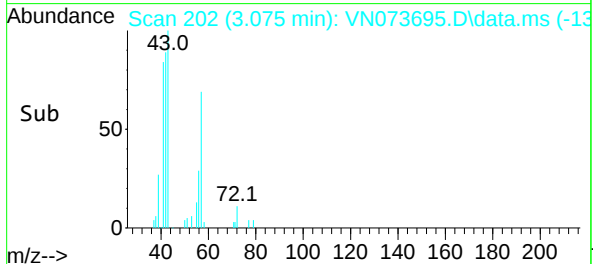


#6  
Chloroethane  
Concen: Below Cal  
RT: 3.075 min Scan# 202  
Delta R.T. 0.118 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

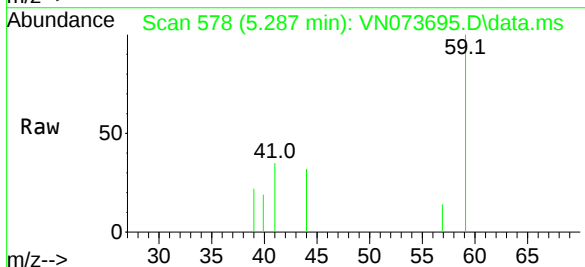
Instrument :  
MSVOA\_N  
ClientSampleId :  
COP-1R



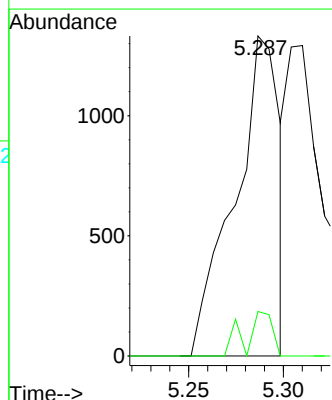
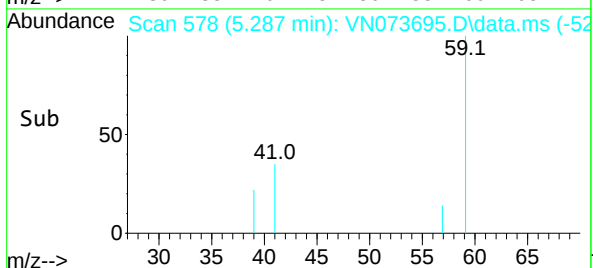
Tgt Ion: 64 Resp: 721  
Ion Ratio Lower Upper  
64 100  
66 3.7 26.2 39.4#

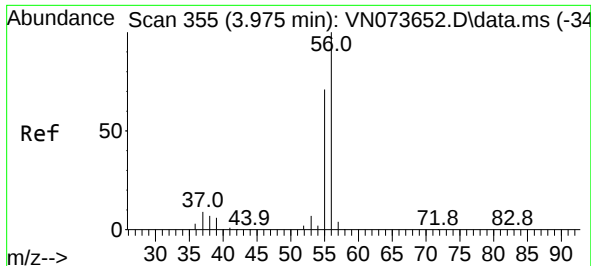


#11  
Tert butyl alcohol  
Concen: 2.446 ug/l  
RT: 5.287 min Scan# 578  
Delta R.T. -0.005 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29



Tgt Ion: 59 Resp: 2191  
Ion Ratio Lower Upper  
59 100  
57 8.2 8.3 12.5#

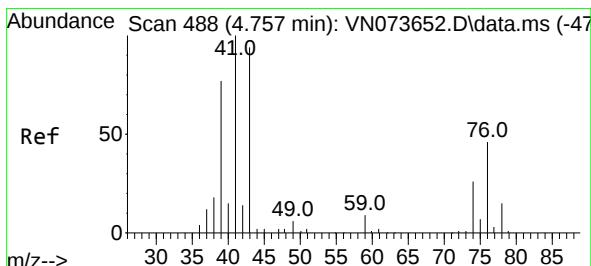
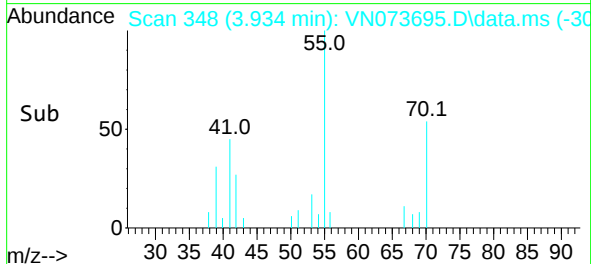
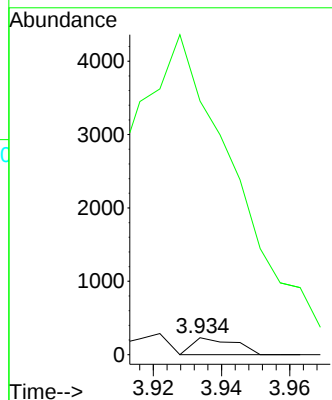
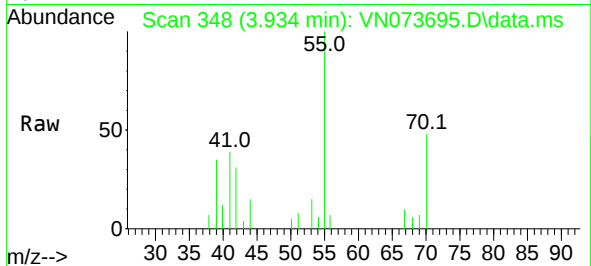




#13  
Acrolein  
Concen: 0.226 ug/l  
RT: 3.934 min Scan# 34  
Delta R.T. -0.047 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

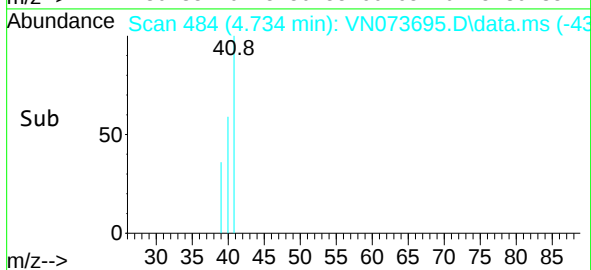
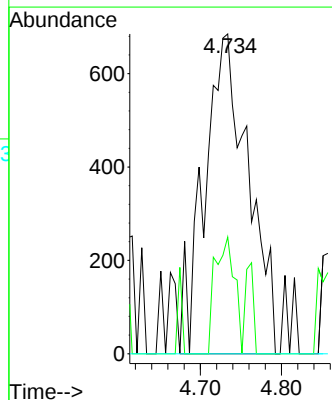
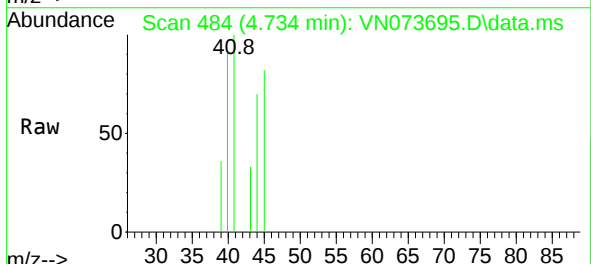
Instrument :  
MSVOA\_N  
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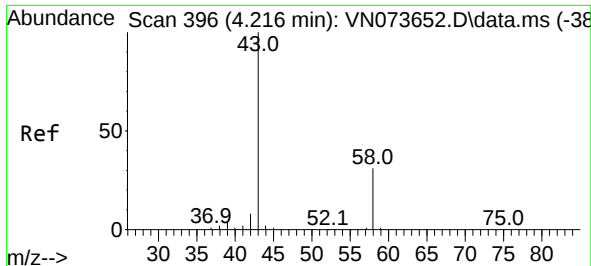
Tgt Ion: 56 Resp: 201  
Ion Ratio Lower Upper  
56 100  
55 5292.0 54.8 82.2#



#14  
Allyl chloride  
Concen: 0.497 ug/l  
RT: 4.734 min Scan# 484  
Delta R.T. -0.029 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

Tgt Ion: 41 Resp: 2570  
Ion Ratio Lower Upper  
41 100  
39 16.2 53.2 79.8#  
76 0.0 29.9 44.9#





#16

Acetone

Concen: 19.645 ug/l

RT: 4.228 min Scan# 396

Delta R.T. 0.006 min

Lab File: VN073695.D

Acq: 02 Aug 2022 18:29

Instrument :

MSVOA\_N

ClientSampleId :

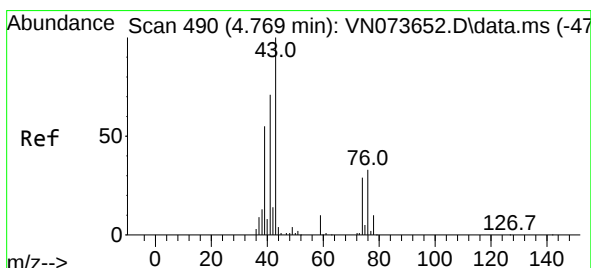
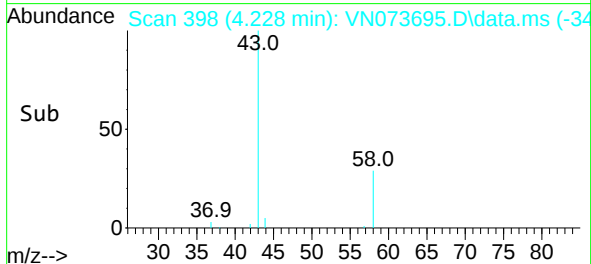
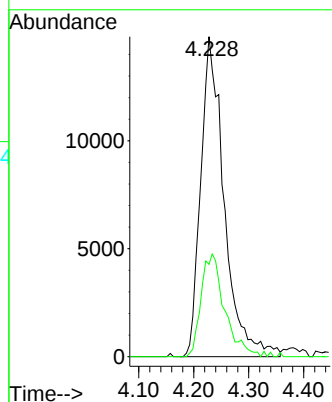
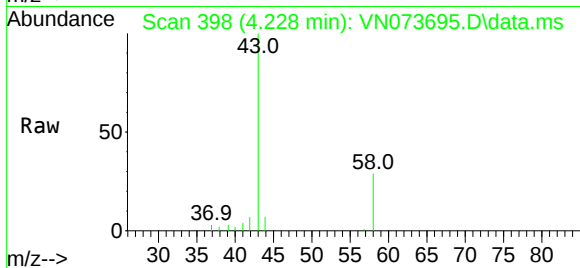
COP-1R

Tgt Ion: 43 Resp: 43832

Ion Ratio Lower Upper

43 100

58 28.9 26.0 39.0



#18

Methyl Acetate

Concen: 0.369 ug/l

RT: 4.792 min Scan# 494

Delta R.T. 0.012 min

Lab File: VN073695.D

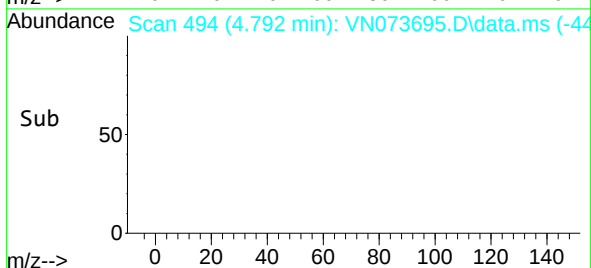
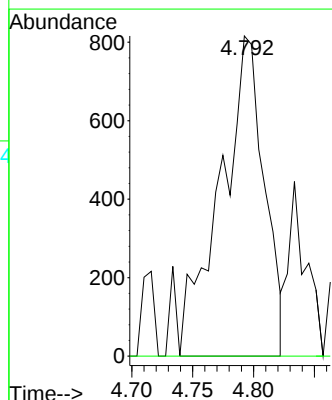
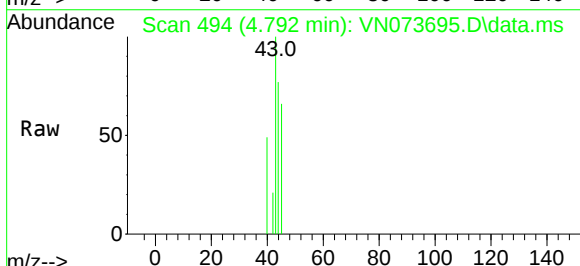
Acq: 02 Aug 2022 18:29

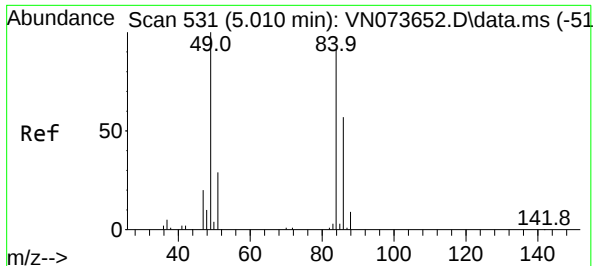
Tgt Ion: 43 Resp: 2046

Ion Ratio Lower Upper

43 100

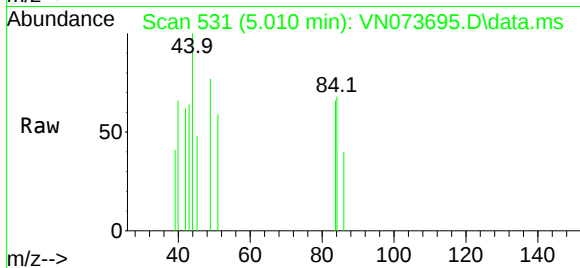
74 0.0 21.6 32.4#



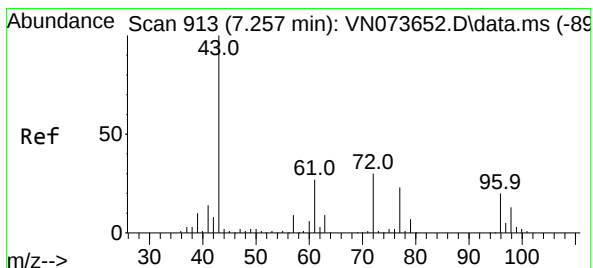
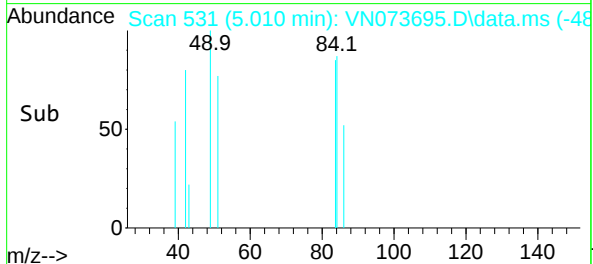
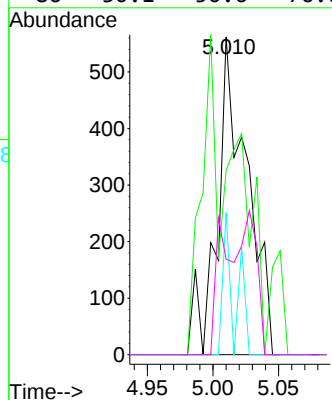


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.010 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VN073695.D  
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Instrument :  
MSVOA\_N  
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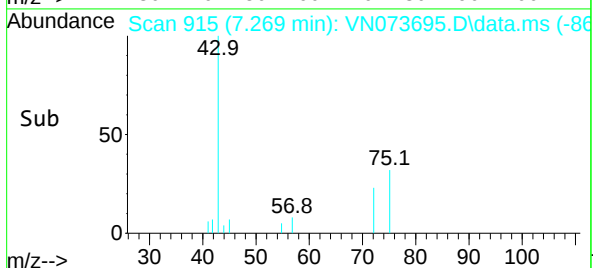
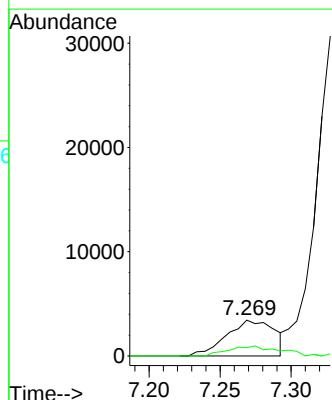
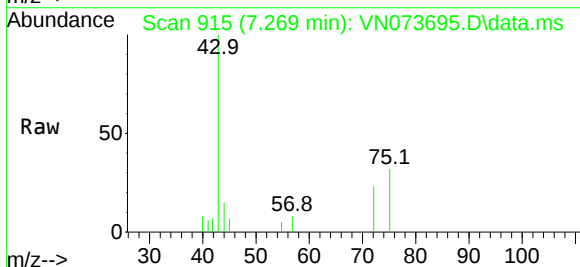


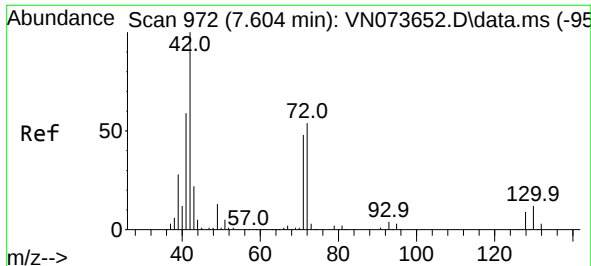
Tgt Ion: 84 Resp: 886  
Ion Ratio Lower Upper  
84 100  
49 58.0 88.3 132.5#  
51 44.7 28.2 42.2#  
86 30.1 50.6 76.0#



#25  
2-Butanone  
Concen: 2.331 ug/l  
RT: 7.269 min Scan# 915  
Delta R.T. 0.012 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

Tgt Ion: 43 Resp: 8077  
Ion Ratio Lower Upper  
43 100  
72 23.4 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.580 ug/l

RT: 7.633 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN073695.D

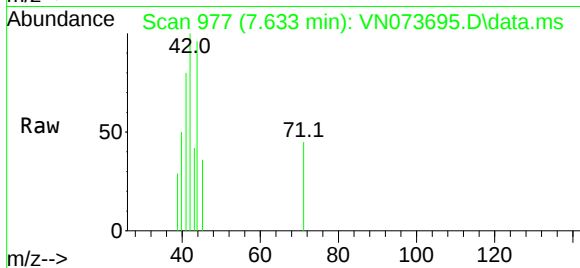
Acq: 02 Aug 2022 18:29

Instrument :

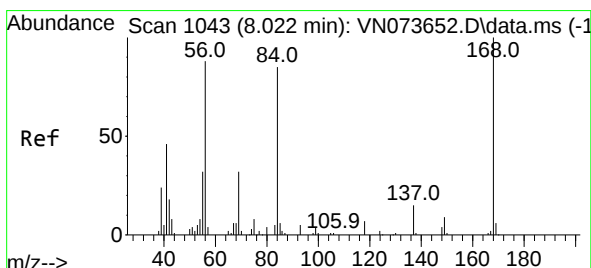
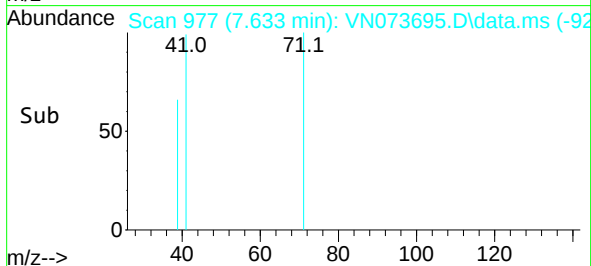
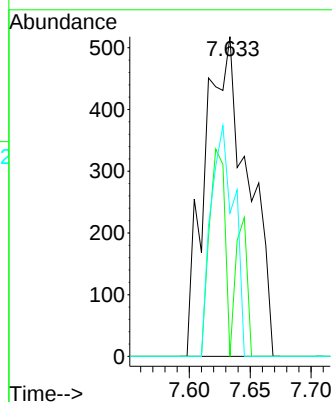
MSVOA\_N

ClientSampleId :

COP-1R



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 1271  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 23.4  | 39.7  | 59.5# |
| 71       | 38.8  | 36.6  | 55.0  |



#31

Cyclohexane

Concen: 1.356 ug/l

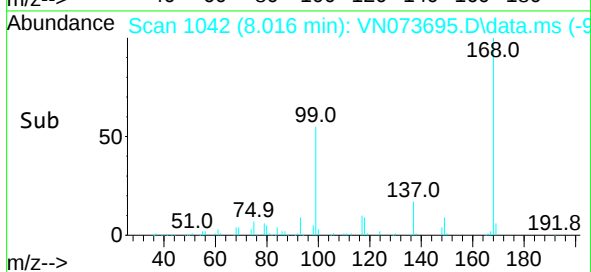
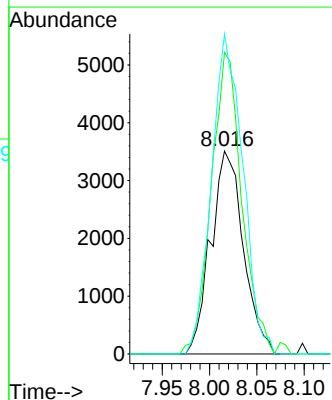
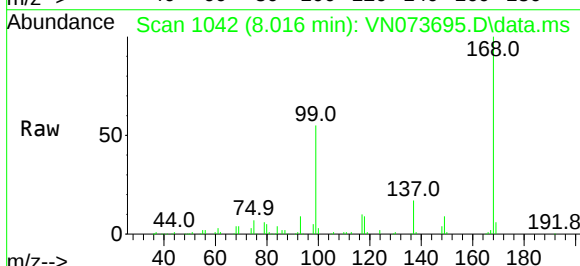
RT: 8.016 min Scan# 1042

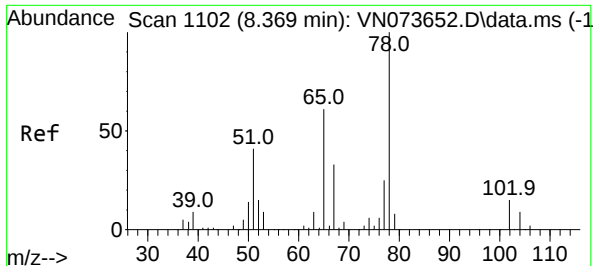
Delta R.T. -0.006 min

Lab File: VN073695.D

Acq: 02 Aug 2022 18:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 8388   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 148.6 | 27.8  | 41.8#  |
| 84       | 157.7 | 76.9  | 115.3# |





#33

1,2-Dichloroethane-d4

Concen: 49.738 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073695.D

Acq: 02 Aug 2022 18:29

Instrument :

MSVOA\_N

ClientSampleId :

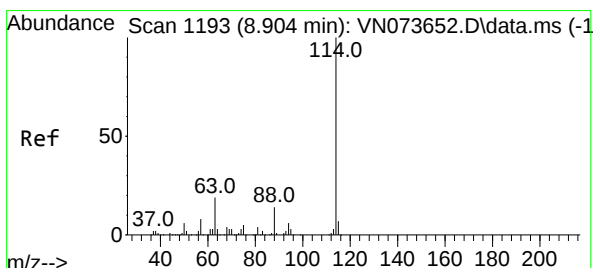
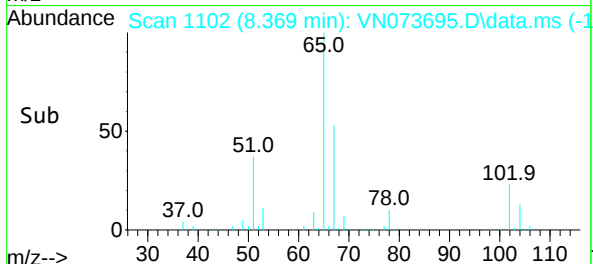
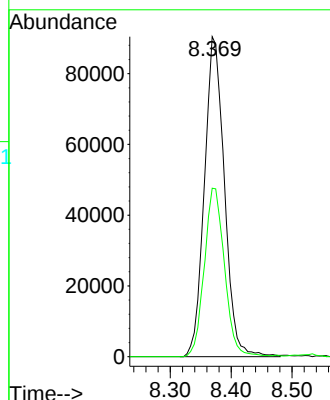
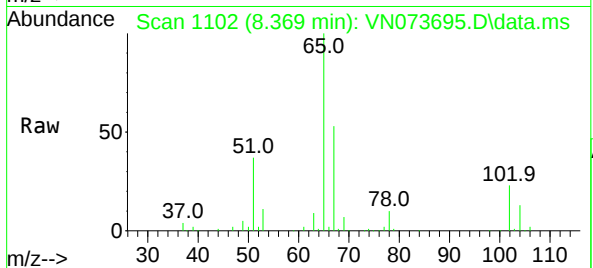
COP-1R

Tgt Ion: 65 Resp: 206619

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073695.D

Acq: 02 Aug 2022 18:29

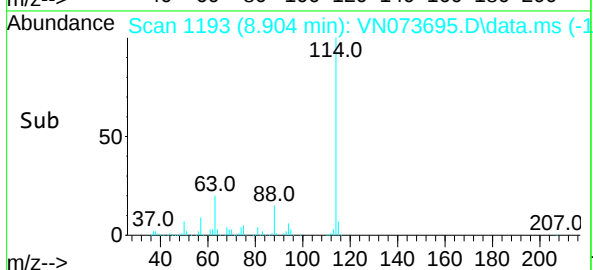
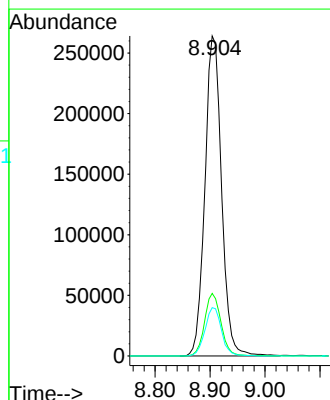
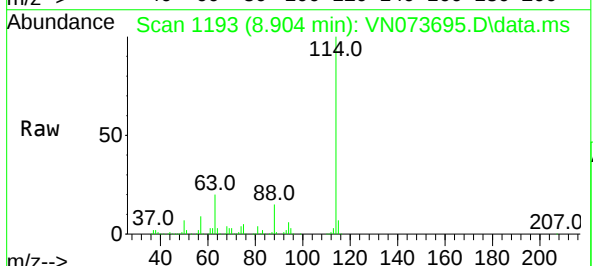
Tgt Ion: 114 Resp: 556672

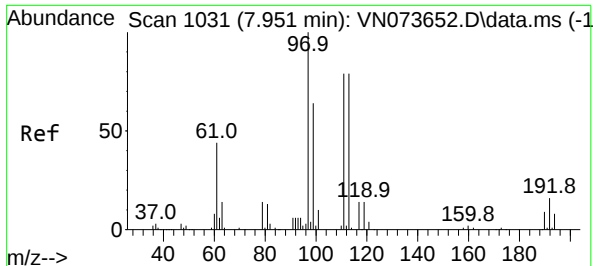
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

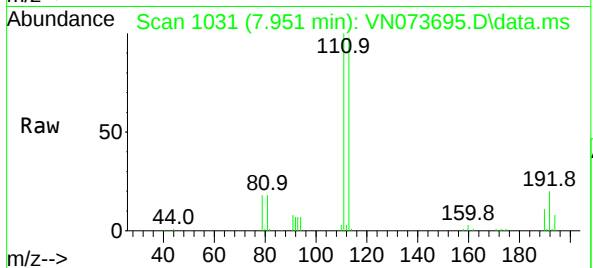
88 15.1 0.0 32.6



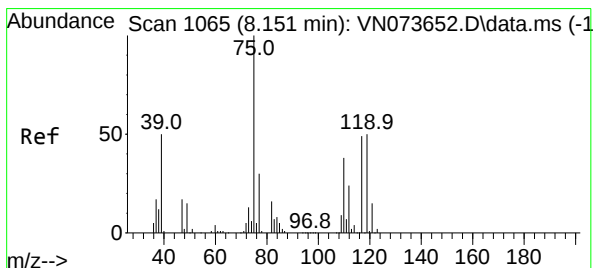
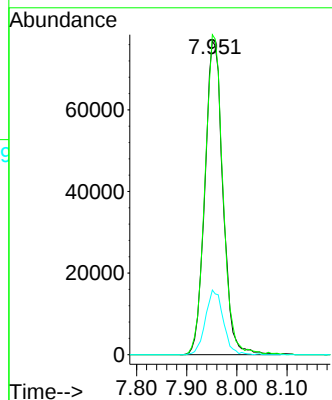
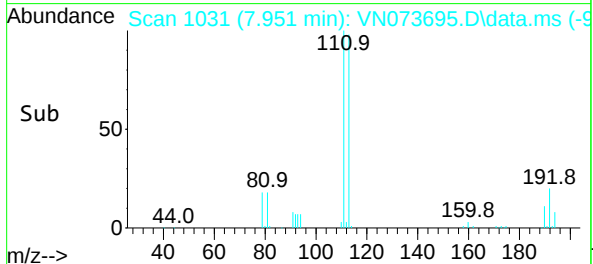


#35  
Dibromofluoromethane  
Concen: 54.993 ug/l  
RT: 7.951 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

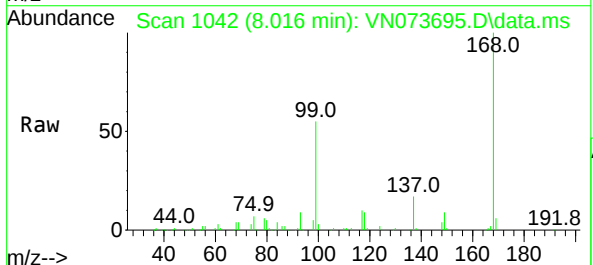
Instrument :  
MSVOA\_N  
ClientSampleId :  
COP-1R



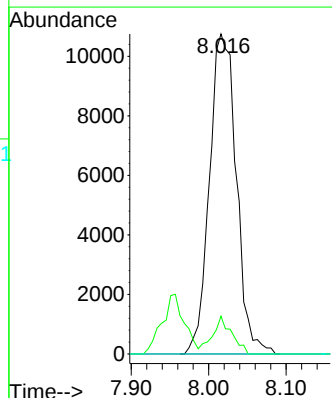
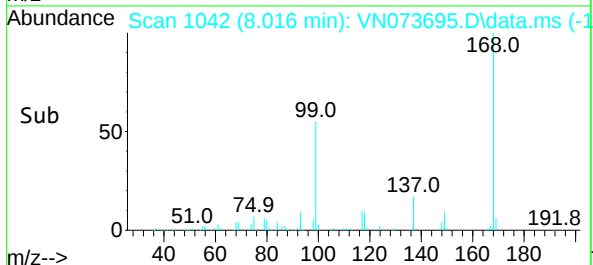
Tgt Ion:113 Resp: 192232  
Ion Ratio Lower Upper  
113 100  
111 101.2 81.4 122.0  
192 20.4 17.0 25.6

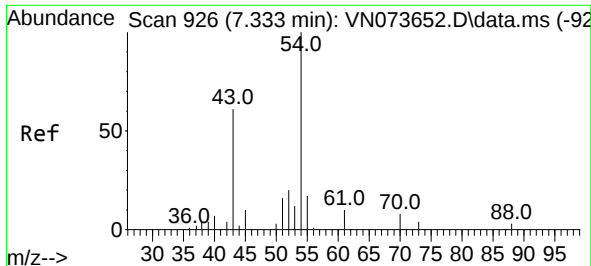


#36  
1,1-Dichloropropene  
Concen: 5.196 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.135 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29



Tgt Ion: 75 Resp: 25888  
Ion Ratio Lower Upper  
75 100  
110 8.5 18.3 54.8#  
77 0.0 25.1 37.7#

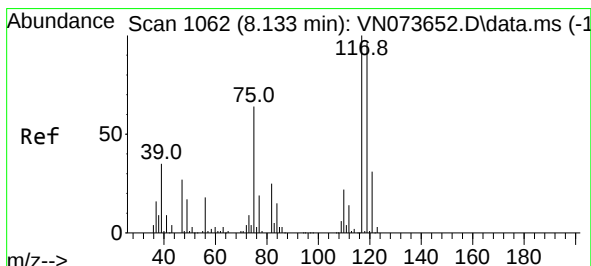
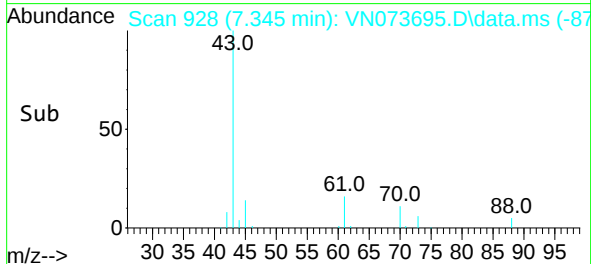
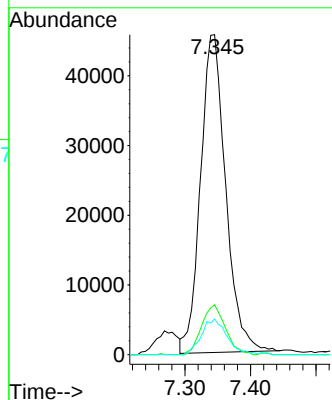
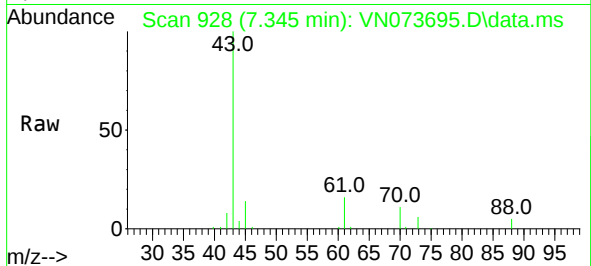




#37  
Ethyl Acetate  
Concen: 18.540 ug/l  
RT: 7.345 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

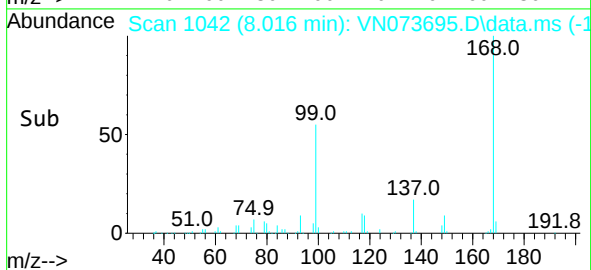
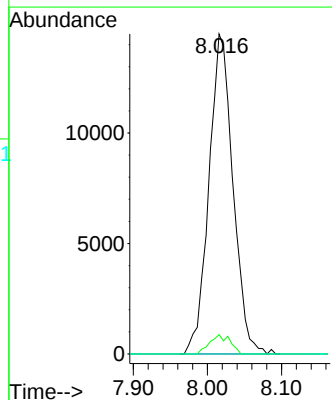
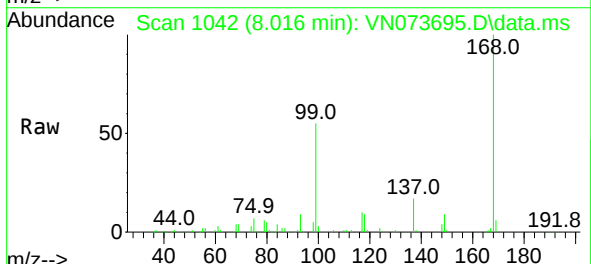
Instrument :  
MSVOA\_N  
ClientSampleId :  
COP-1R

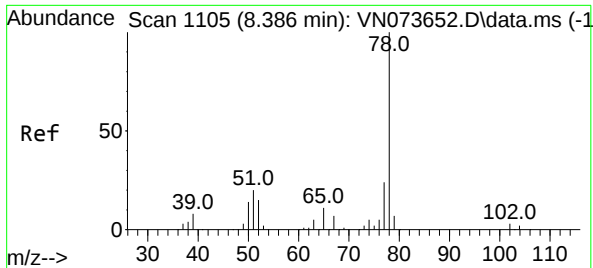
Tgt Ion: 43 Resp: 121641  
Ion Ratio Lower Upper  
43 100  
61 14.9 11.8 17.6  
70 11.5 9.3 13.9



#38  
Carbon Tetrachloride  
Concen: 6.461 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.118 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

Tgt Ion: 117 Resp: 32692  
Ion Ratio Lower Upper  
117 100  
119 6.0 75.8 113.8#  
121 0.0 24.6 37.0#

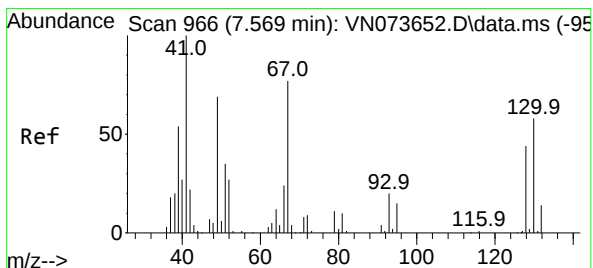
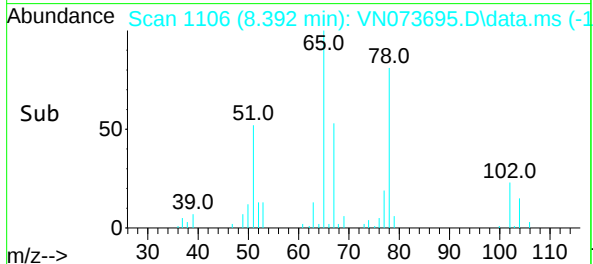
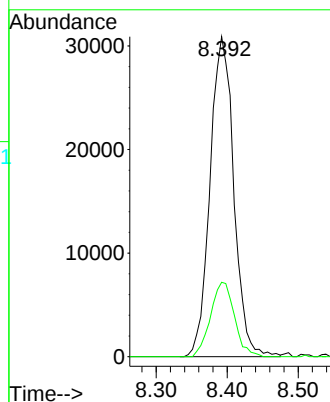
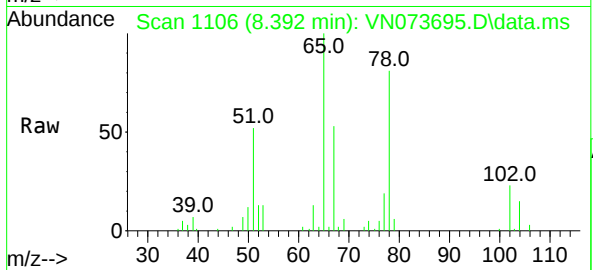




#40  
Benzene  
Concen: 4.430 ug/l  
RT: 8.392 min Scan# 1106  
Delta R.T. -0.000 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

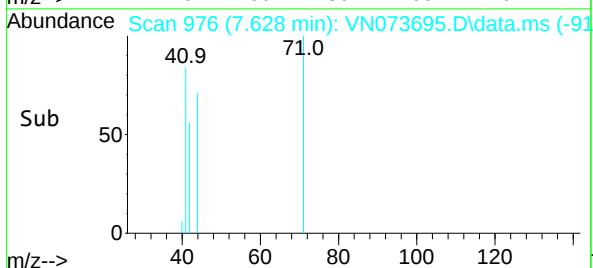
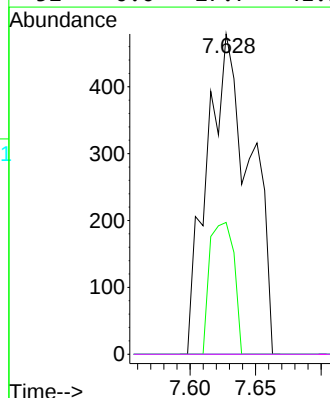
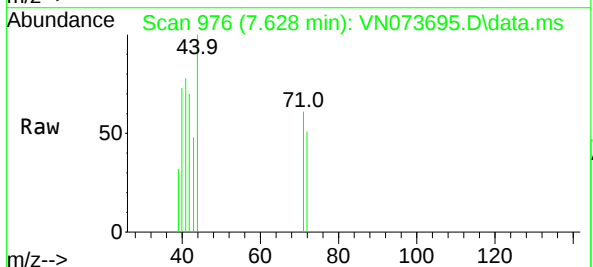
Instrument :  
MSVOA\_N  
ClientSampleId :  
COP-1R

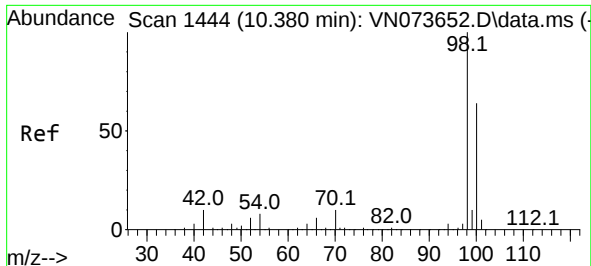
Tgt Ion: 78 Resp: 71667  
Ion Ratio Lower Upper  
78 100  
77 23.2 19.4 29.0



#41  
Methacrylonitrile  
Concen: 0.371 ug/l  
RT: 7.628 min Scan# 976  
Delta R.T. 0.065 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

Tgt Ion: 41 Resp: 1100  
Ion Ratio Lower Upper  
41 100  
39 23.0 48.6 73.0#  
67 0.0 73.4 110.2#  
52 0.0 27.7 41.5#

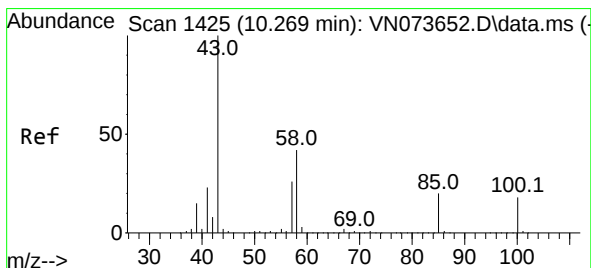
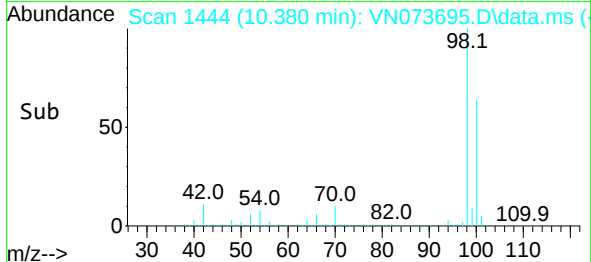
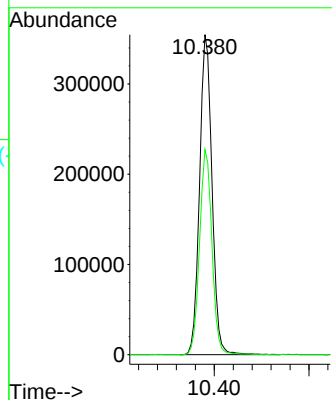
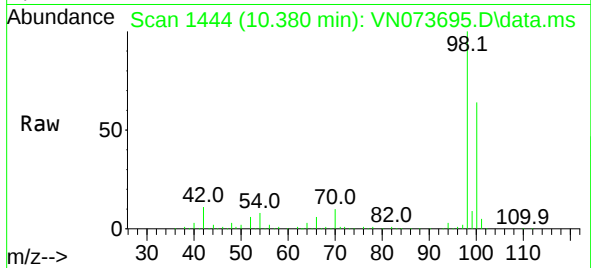




#50  
Toluene-d8  
Concen: 46.778 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

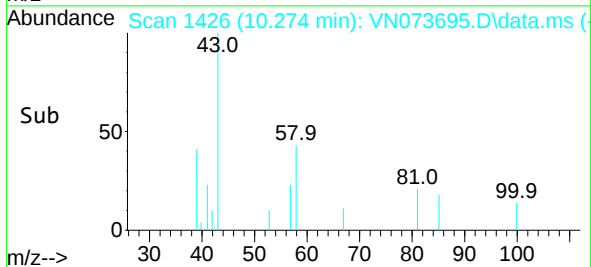
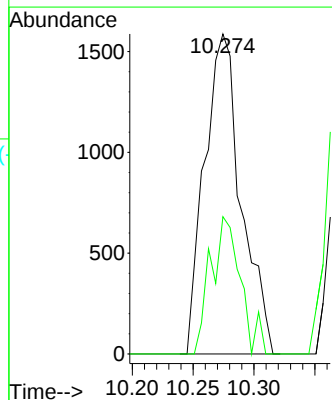
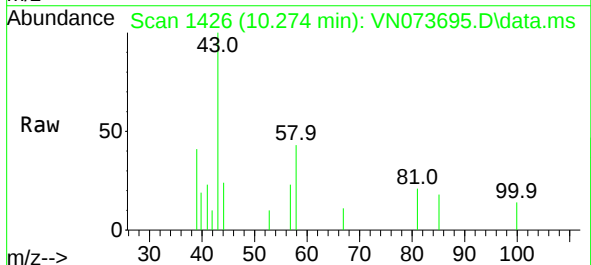
Instrument :  
MSVOA\_N  
ClientSampleId :  
COP-1R

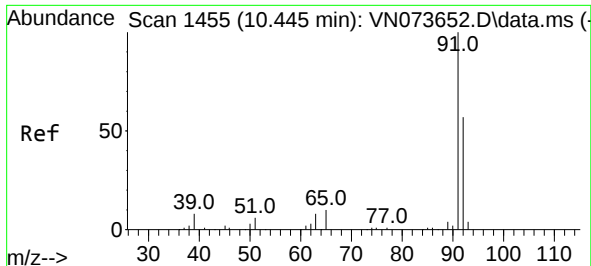
Tgt Ion: 98 Resp: 643449  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.522 ug/l  
RT: 10.274 min Scan# 1426  
Delta R.T. -0.001 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

Tgt Ion: 43 Resp: 3320  
Ion Ratio Lower Upper  
43 100  
58 34.9 34.1 51.1

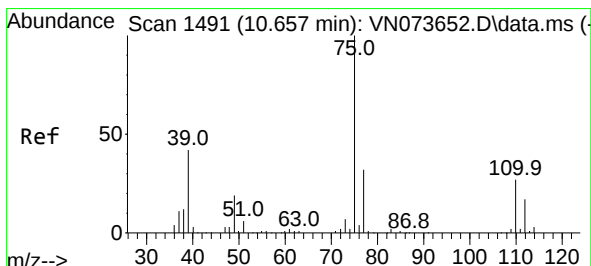
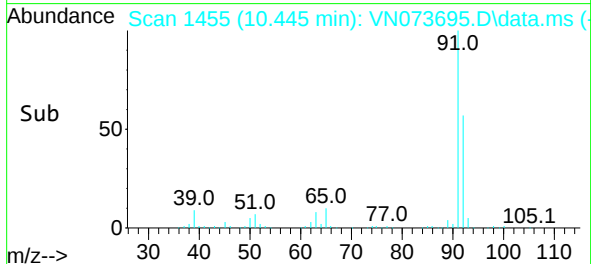
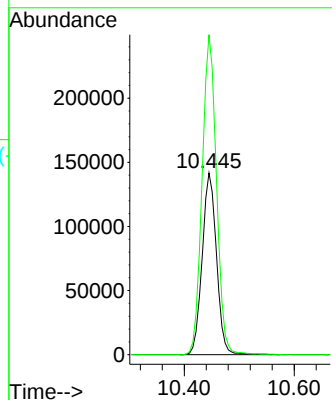
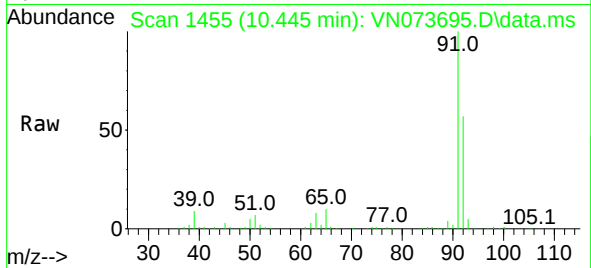




#52  
Toluene  
Concen: 25.908 ug/l  
RT: 10.445 min Scan# 1455  
Delta R.T. -0.000 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

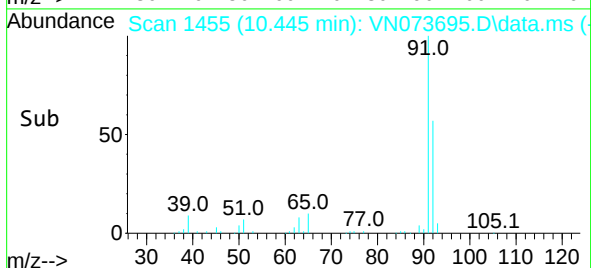
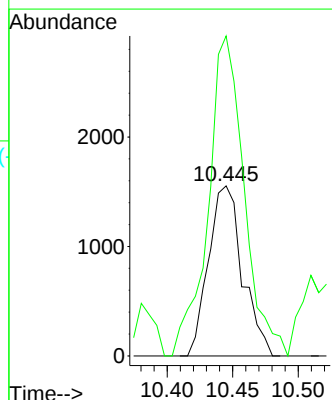
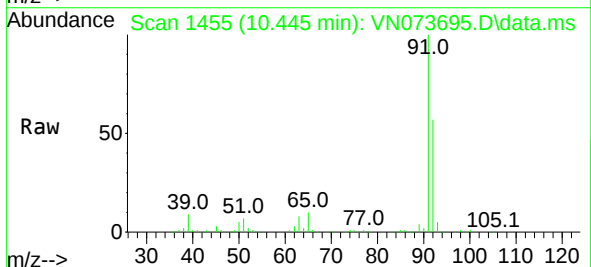
Instrument :  
MSVOA\_N  
ClientSampleId :  
COP-1R

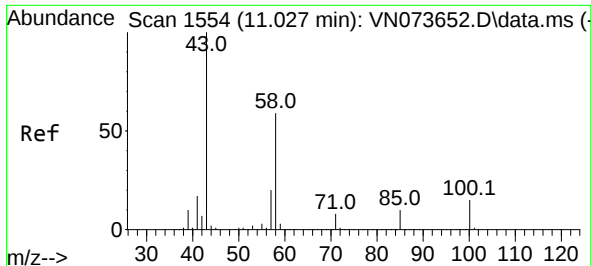
Tgt Ion: 92 Resp: 256011  
Ion Ratio Lower Upper  
92 100  
91 177.0 138.6 207.8



#53  
t-1,3-Dichloropropene  
Concen: 0.526 ug/l  
RT: 10.445 min Scan# 1455  
Delta R.T. -0.218 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

Tgt Ion: 75 Resp: 2799  
Ion Ratio Lower Upper  
75 100  
77 176.6 25.6 38.4#

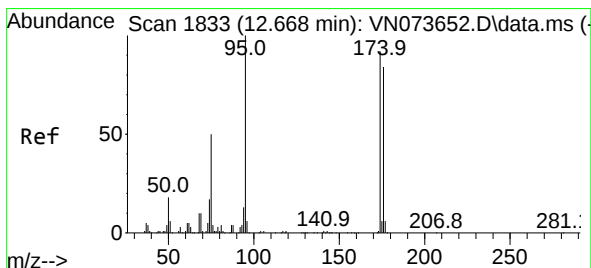
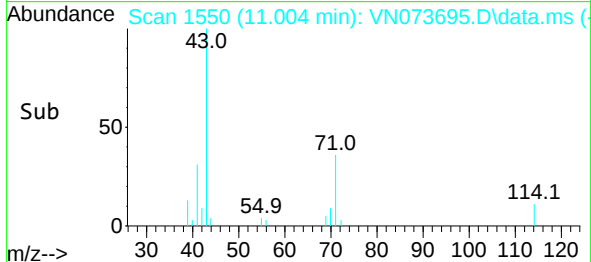
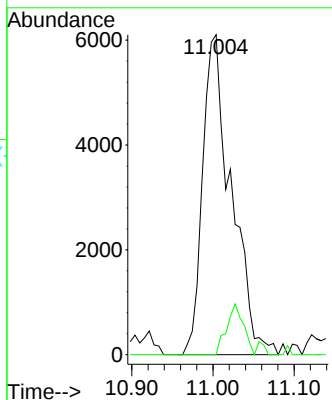
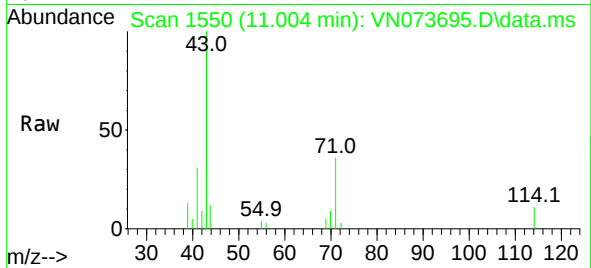




#59  
2-Hexanone  
Concen: 3.104 ug/l  
RT: 11.004 min Scan# 11  
Delta R.T. -0.023 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

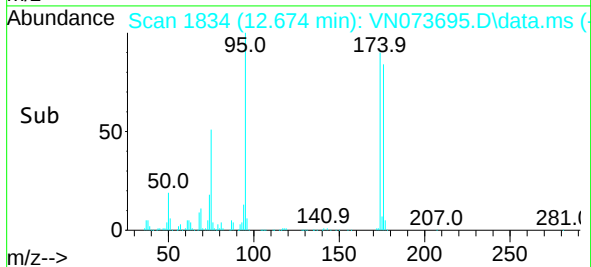
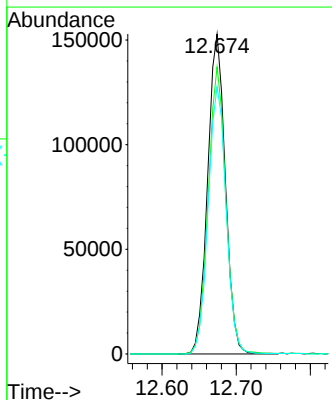
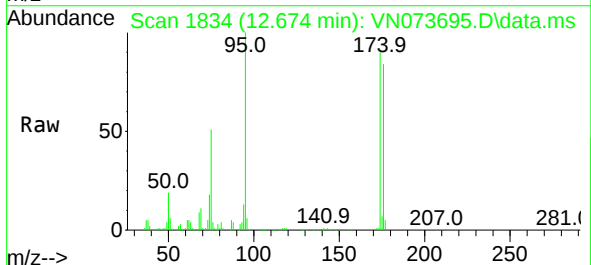
Instrument :  
MSVOA\_N  
ClientSampleId :  
COP-1R

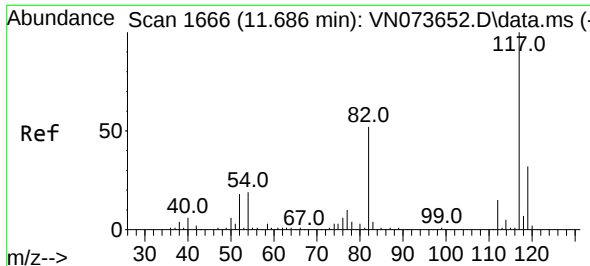
Tgt Ion: 43 Resp: 14946  
Ion Ratio Lower Upper  
43 100  
58 0.0 29.7 89.1#



#62  
4-Bromofluorobenzene  
Concen: 54.277 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

Tgt Ion: 95 Resp: 253571  
Ion Ratio Lower Upper  
95 100  
174 89.6 0.0 167.6  
176 84.7 0.0 163.4

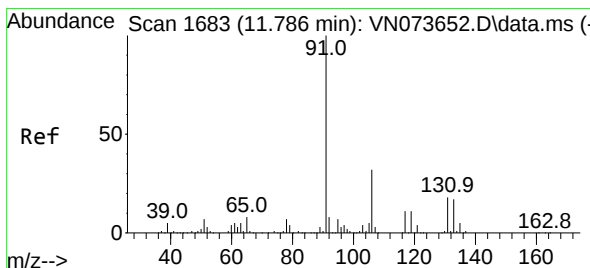
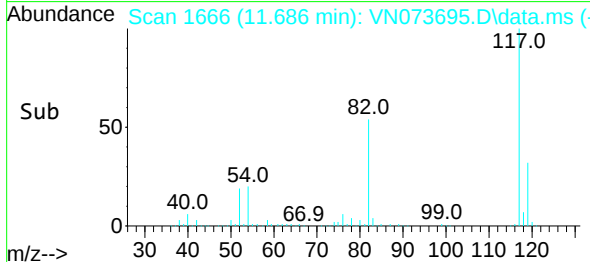
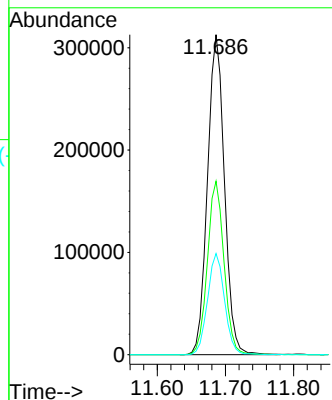
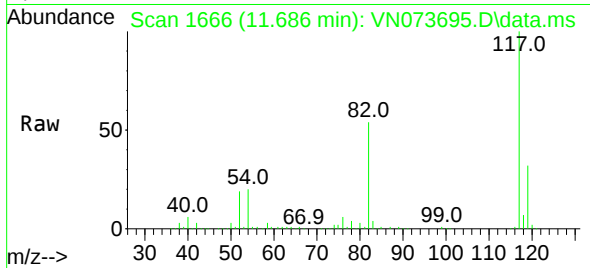




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. -0.000 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

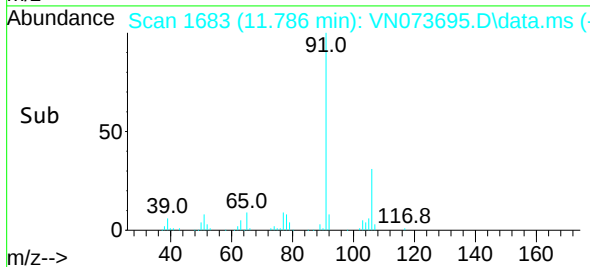
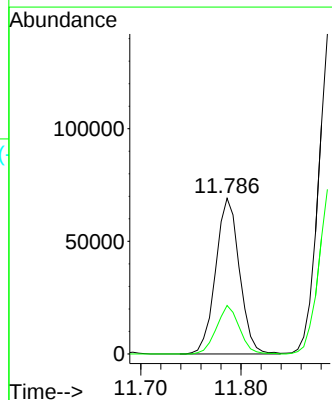
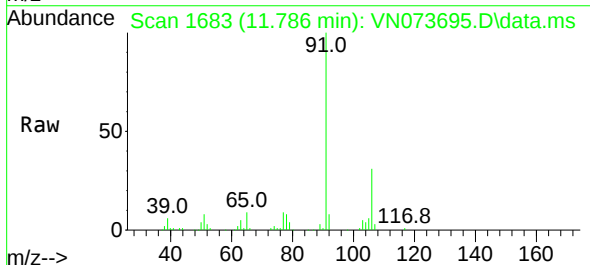
Instrument :  
MSVOA\_N  
ClientSampleId :  
COP-1R

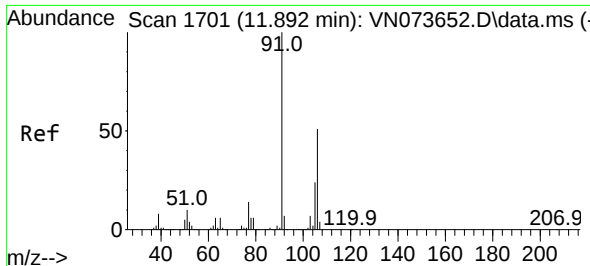
Tgt Ion:117 Resp: 541580  
Ion Ratio Lower Upper  
117 100  
82 54.2 44.2 66.2  
119 31.6 25.4 38.0



#67  
Ethyl Benzene  
Concen: 5.876 ug/l  
RT: 11.786 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

Tgt Ion: 91 Resp: 114043  
Ion Ratio Lower Upper  
91 100  
106 31.1 24.9 37.3

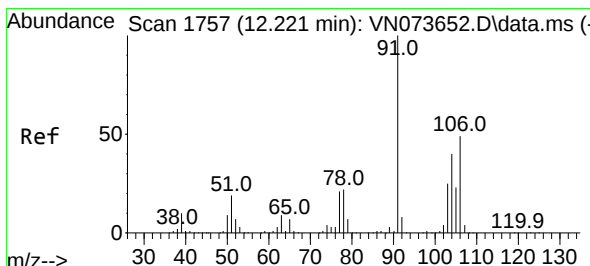
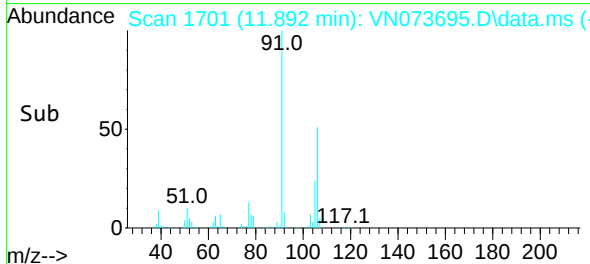
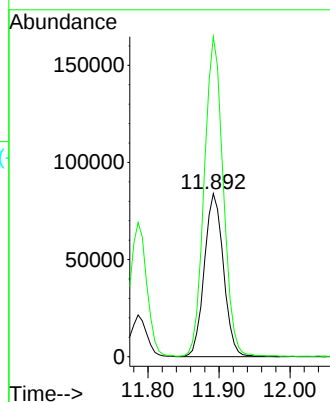
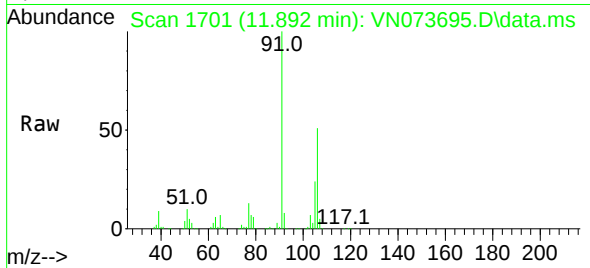




#68  
m/p-Xylenes  
Concen: 21.231 ug/l  
RT: 11.892 min Scan# 1701  
Delta R.T. -0.006 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

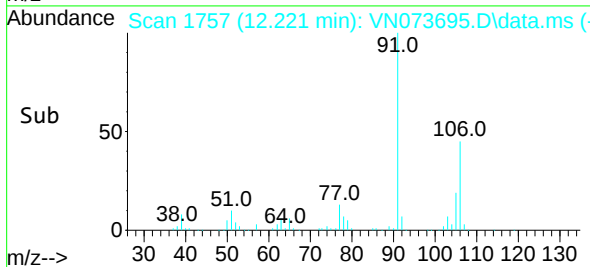
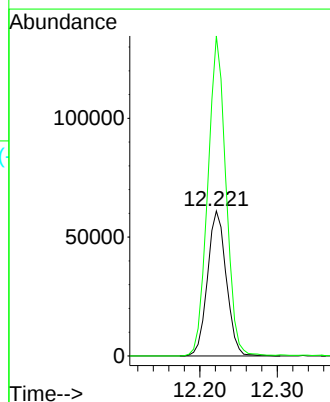
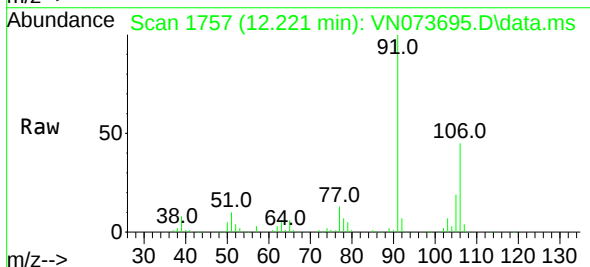
Instrument :  
MSVOA\_N  
ClientSampleId :  
COP-1R

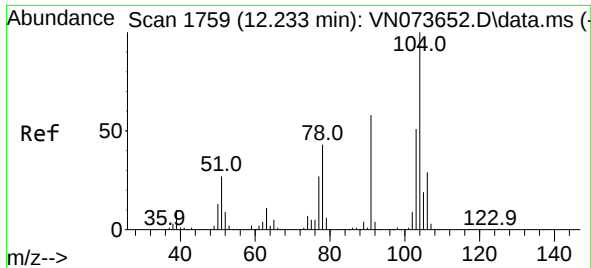
Tgt Ion:106 Resp: 157147  
Ion Ratio Lower Upper  
106 100  
91 194.9 158.9 238.3



#69  
o-Xylene  
Concen: 14.209 ug/l  
RT: 12.221 min Scan# 1757  
Delta R.T. -0.000 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

Tgt Ion:106 Resp: 102536  
Ion Ratio Lower Upper  
106 100  
91 213.2 106.0 318.0

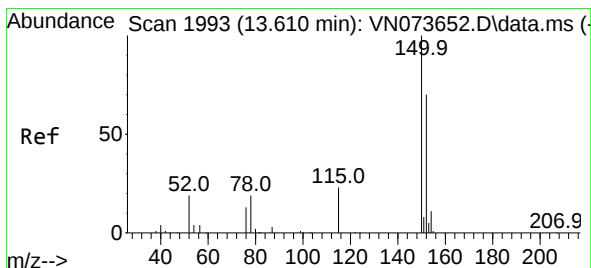
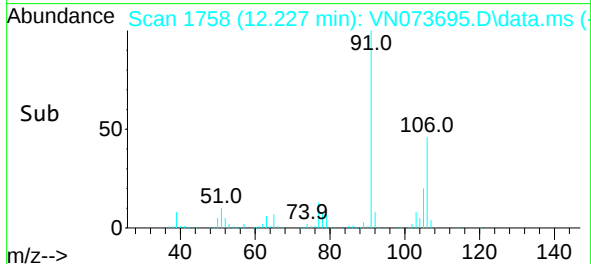
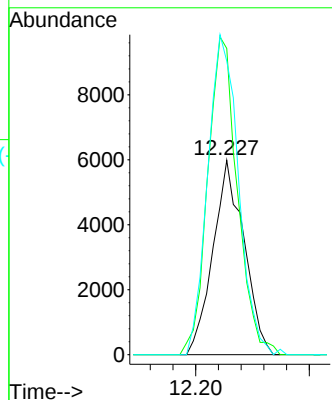
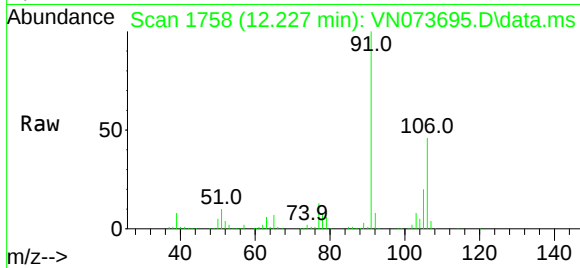




#70  
Styrene  
Concen: 0.983 ug/l  
RT: 12.227 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

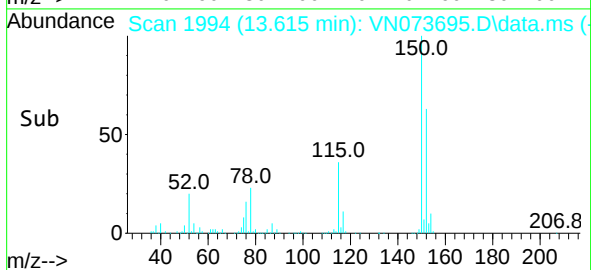
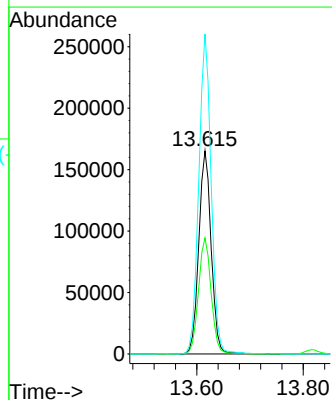
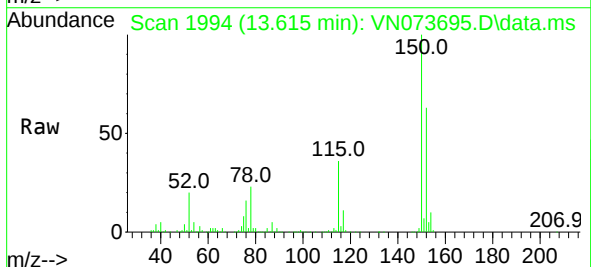
Instrument :  
MSVOA\_N  
ClientSampleId :  
COP-1R

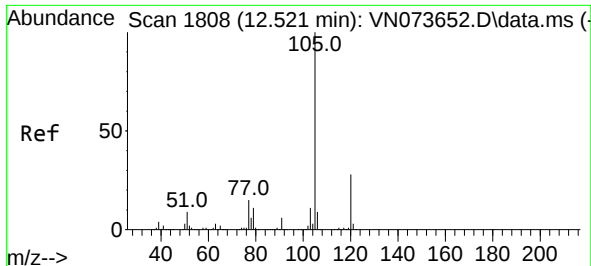
Tgt Ion:104 Resp: 11351  
Ion Ratio Lower Upper  
104 100  
78 156.1 39.5 59.3#  
103 163.0 44.0 66.0#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.615 min Scan# 1994  
Delta R.T. -0.000 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

Tgt Ion:152 Resp: 267139  
Ion Ratio Lower Upper  
152 100  
115 58.3 28.9 86.7  
150 157.0 0.0 356.2

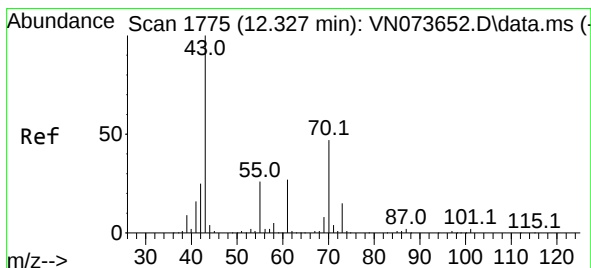
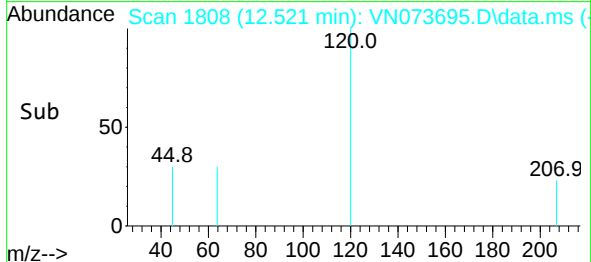
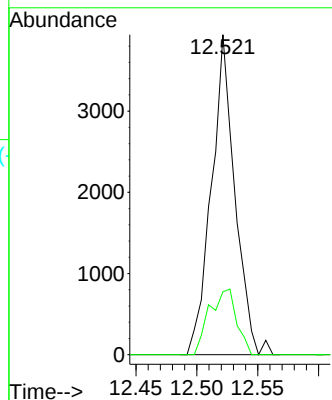
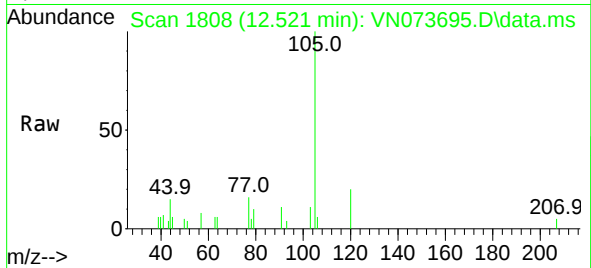




#73  
Isopropylbenzene  
Concen: 0.271 ug/l  
RT: 12.521 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

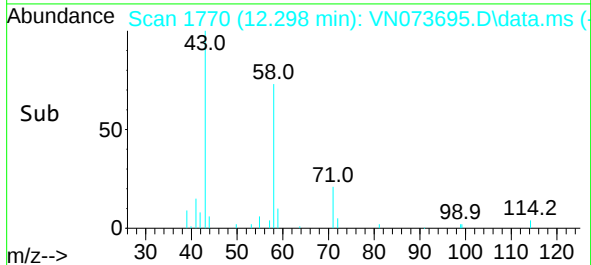
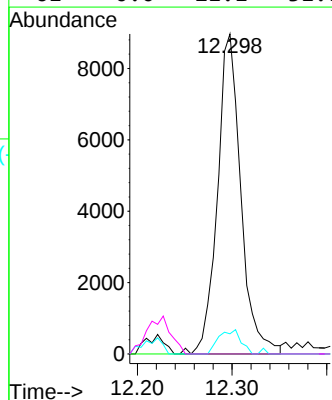
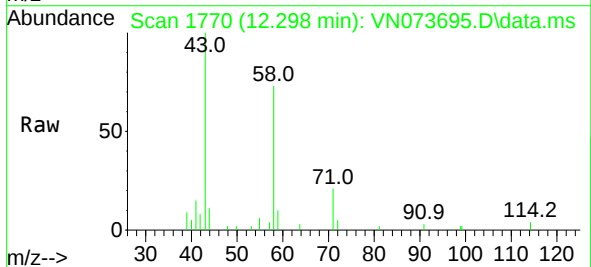
Instrument :  
MSVOA\_N  
ClientSampleId :  
COP-1R

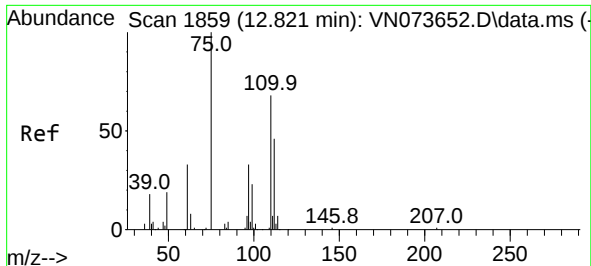
Tgt Ion:105 Resp: 5309  
Ion Ratio Lower Upper  
105 100  
120 23.6 13.5 40.4



#74  
N-ethyl acetate  
Concen: 2.089 ug/l  
RT: 12.298 min Scan# 1770  
Delta R.T. -0.030 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

Tgt Ion: 43 Resp: 15436  
Ion Ratio Lower Upper  
43 100  
70 0.0 39.0 58.4#  
55 7.1 21.1 31.7#  
61 0.0 21.1 31.7#

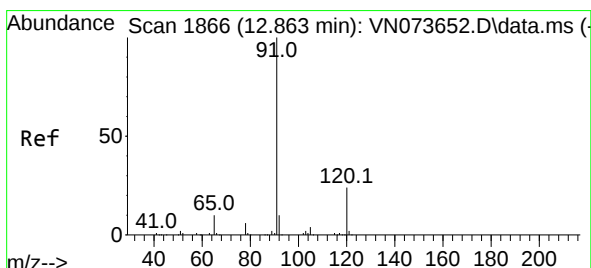
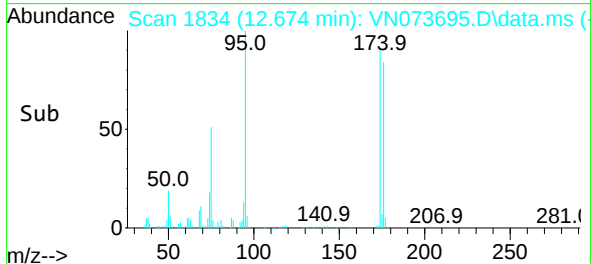
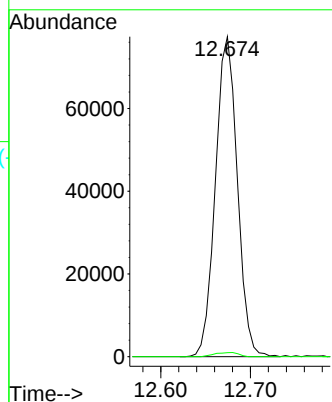
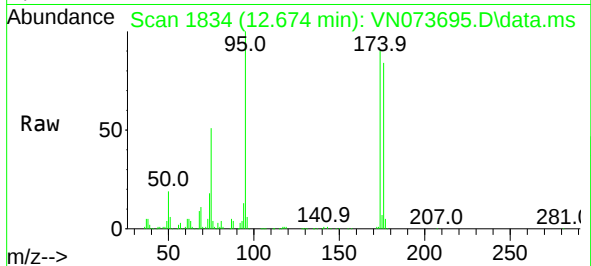




#76  
1,2,3-Trichloropropane  
Concen: 25.191 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. -0.147 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

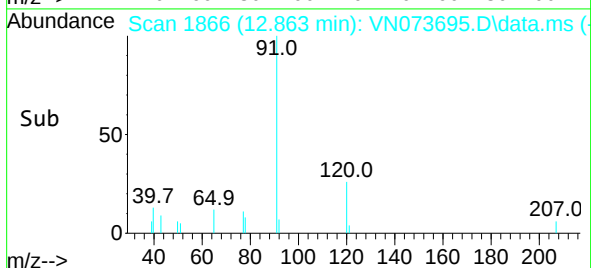
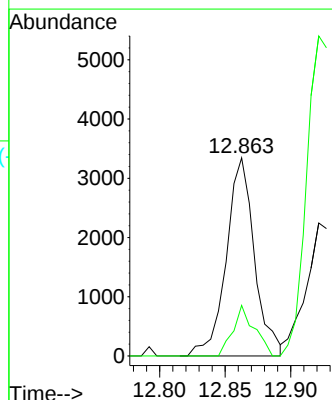
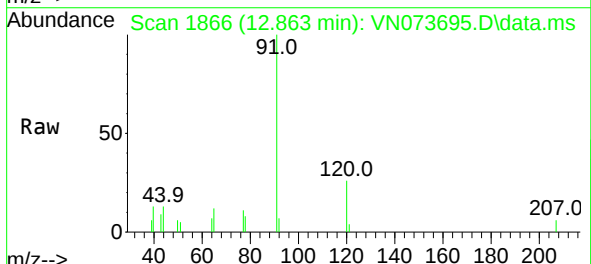
Instrument :  
MSVOA\_N  
ClientSampleId :  
COP-1R

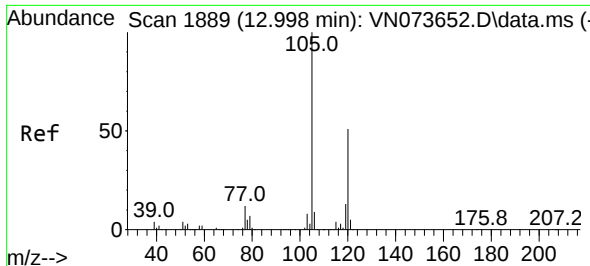
Tgt Ion: 75 Resp: 131105  
Ion Ratio Lower Upper  
75 100  
77 1.4 98.5 295.5#



#78  
n-propylbenzene  
Concen: 0.227 ug/l  
RT: 12.863 min Scan# 1866  
Delta R.T. -0.000 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

Tgt Ion: 91 Resp: 5001  
Ion Ratio Lower Upper  
91 100  
120 19.3 11.9 35.5

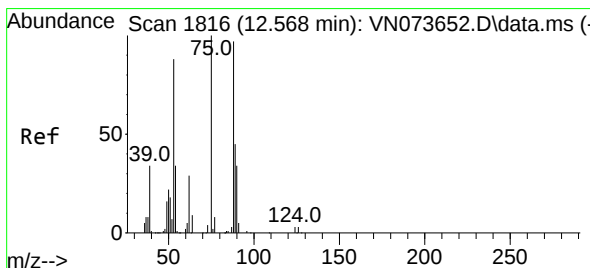
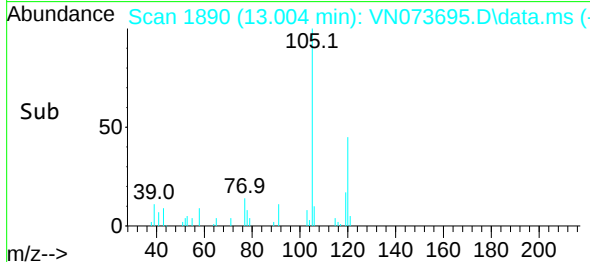
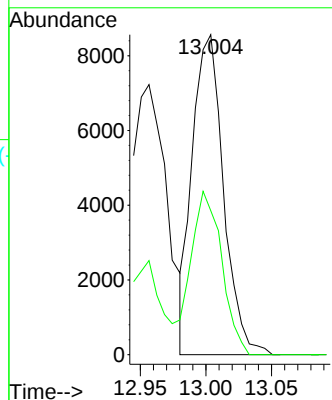
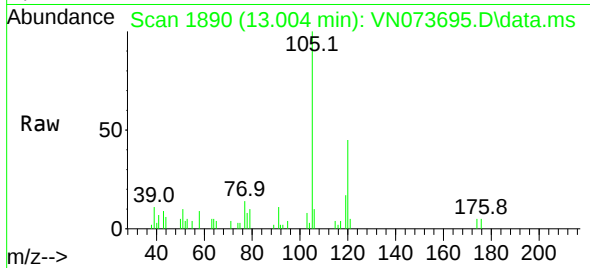




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.879 ug/l  
 RT: 13.004 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VN073695.D  
 Acq: 02 Aug 2022 18:29

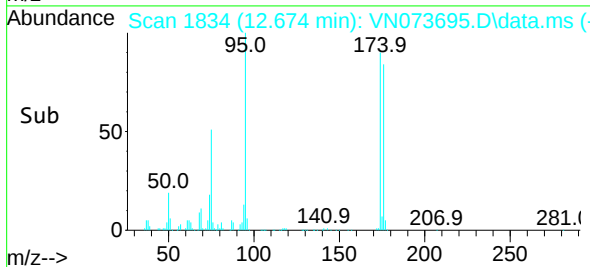
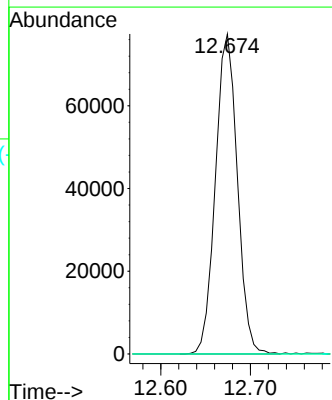
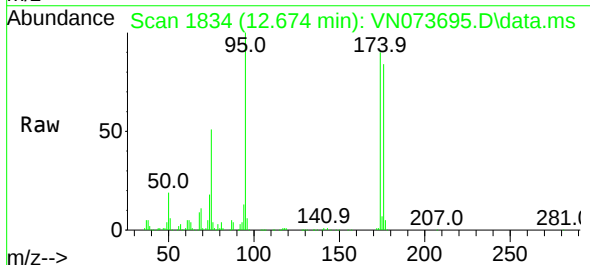
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COP-1R

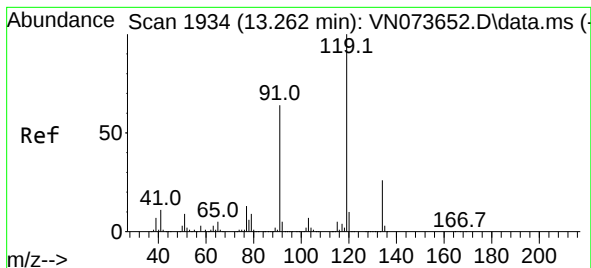
Tgt Ion:105 Resp: 14144  
 Ion Ratio Lower Upper  
 105 100  
 120 51.4 24.9 74.7



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 63.601 ug/l  
 RT: 12.674 min Scan# 1834  
 Delta R.T. 0.106 min  
 Lab File: VN073695.D  
 Acq: 02 Aug 2022 18:29

Tgt Ion: 75 Resp: 131105  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 78.0 117.0#  
 89 0.0 37.2 55.8#





#83

tert-Butylbenzene

Concen: 0.374 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. 0.047 min

Lab File: VN073695.D

Acq: 02 Aug 2022 18:29

Instrument :

MSVOA\_N

ClientSampleId :

COP-1R

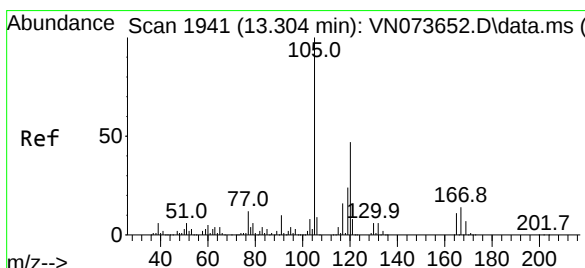
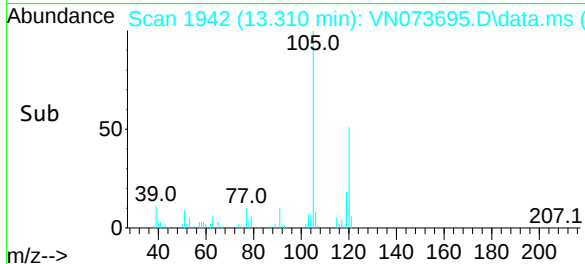
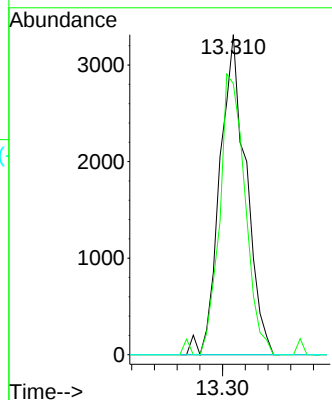
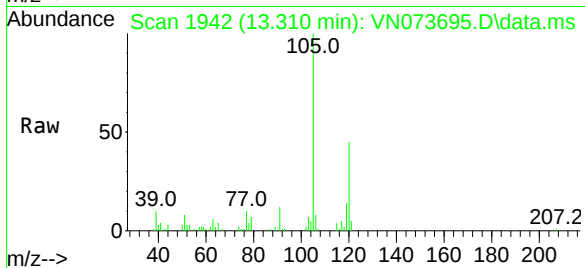
Tgt Ion:119 Resp: 5329

Ion Ratio Lower Upper

119 100

91 84.7 31.6 94.8

134 0.0 13.7 41.1#



#84

1,2,4-Trimethylbenzene

Concen: 2.487 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. -0.000 min

Lab File: VN073695.D

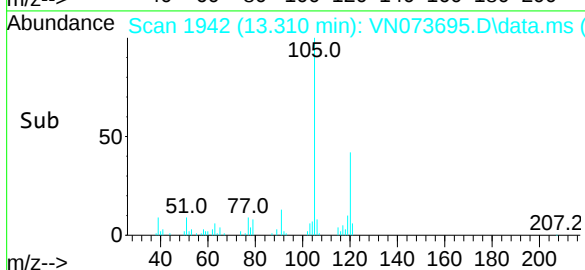
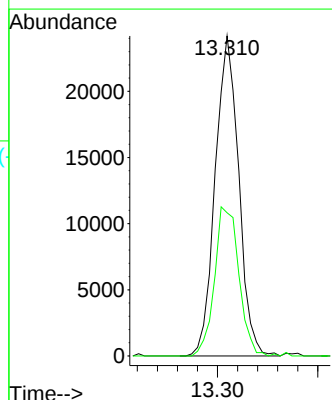
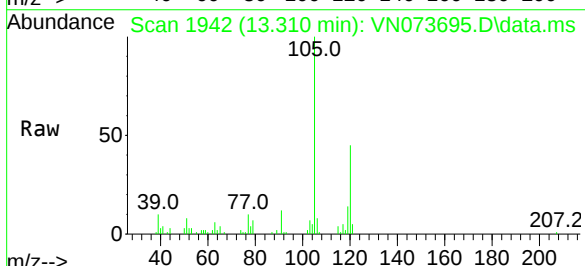
Acq: 02 Aug 2022 18:29

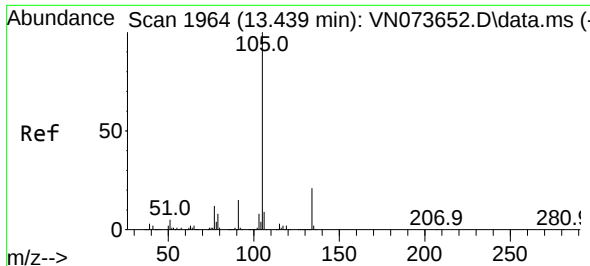
Tgt Ion:105 Resp: 39349

Ion Ratio Lower Upper

105 100

120 48.1 23.3 69.8

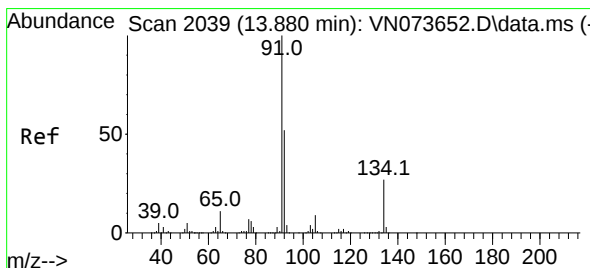
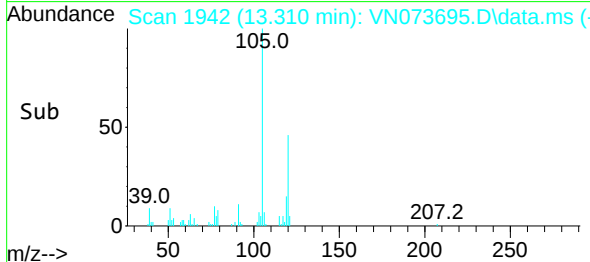
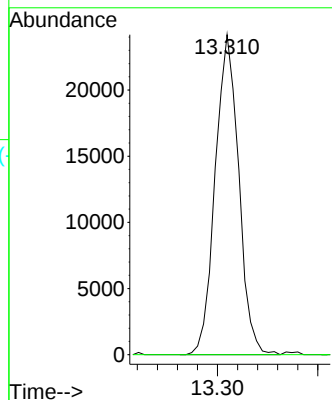
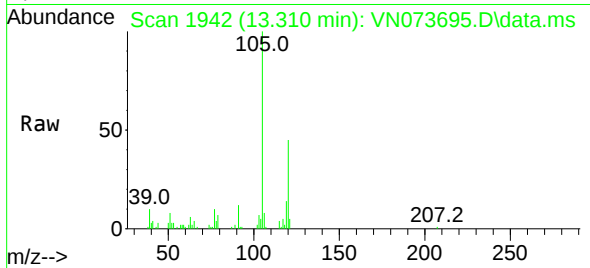




#85  
 sec-Butylbenzene  
 Concen: 1.997 ug/l  
 RT: 13.310 min Scan# 1964  
 Delta R.T. -0.130 min  
 Lab File: VN073695.D  
 Acq: 02 Aug 2022 18:29

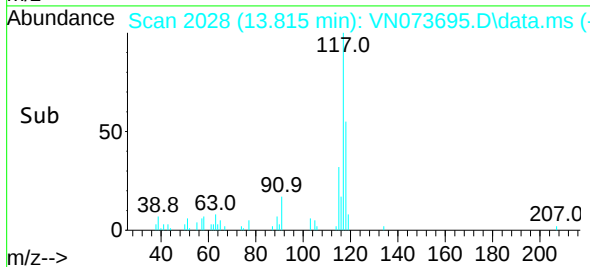
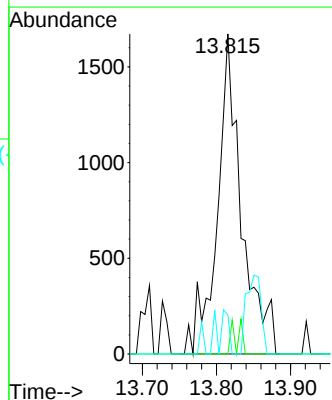
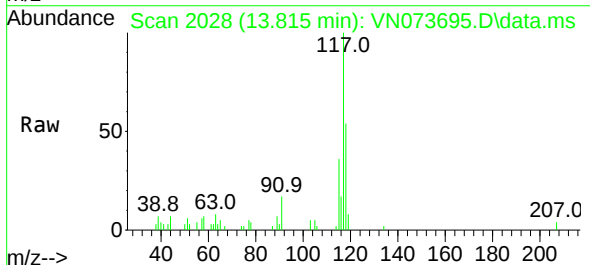
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COP-1R

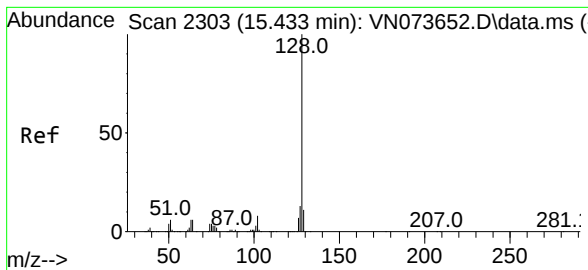
Tgt Ion:105 Resp: 39349  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.4 31.1#



#89  
 n-Butylbenzene  
 Concen: 0.302 ug/l  
 RT: 13.815 min Scan# 2028  
 Delta R.T. -0.065 min  
 Lab File: VN073695.D  
 Acq: 02 Aug 2022 18:29

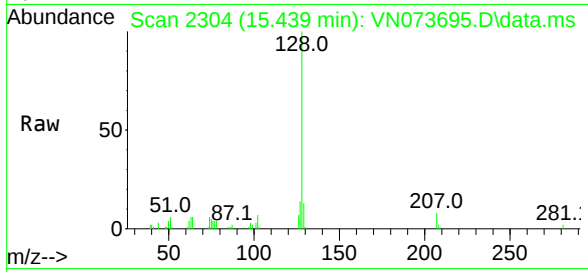
Tgt Ion: 91 Resp: 3821  
 Ion Ratio Lower Upper  
 91 100  
 92 0.0 26.9 80.7#  
 134 6.1 13.6 40.8#





#95  
Naphthalene  
Concen: 2.559 ug/l  
RT: 15.439 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VN073695.D  
Acq: 02 Aug 2022 18:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
COP-1R



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.3  | 10.3  | 15.5  |
| 129     | 10.1  | 8.6   | 13.0  |

