

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010923\  
 Data File : VN076169.D  
 Acq On : 09 Jan 2023 20:28  
 Operator : JC\MD  
 Sample : 01086-06 200X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 AUD-1844

Quant Time: Jan 10 01:13:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

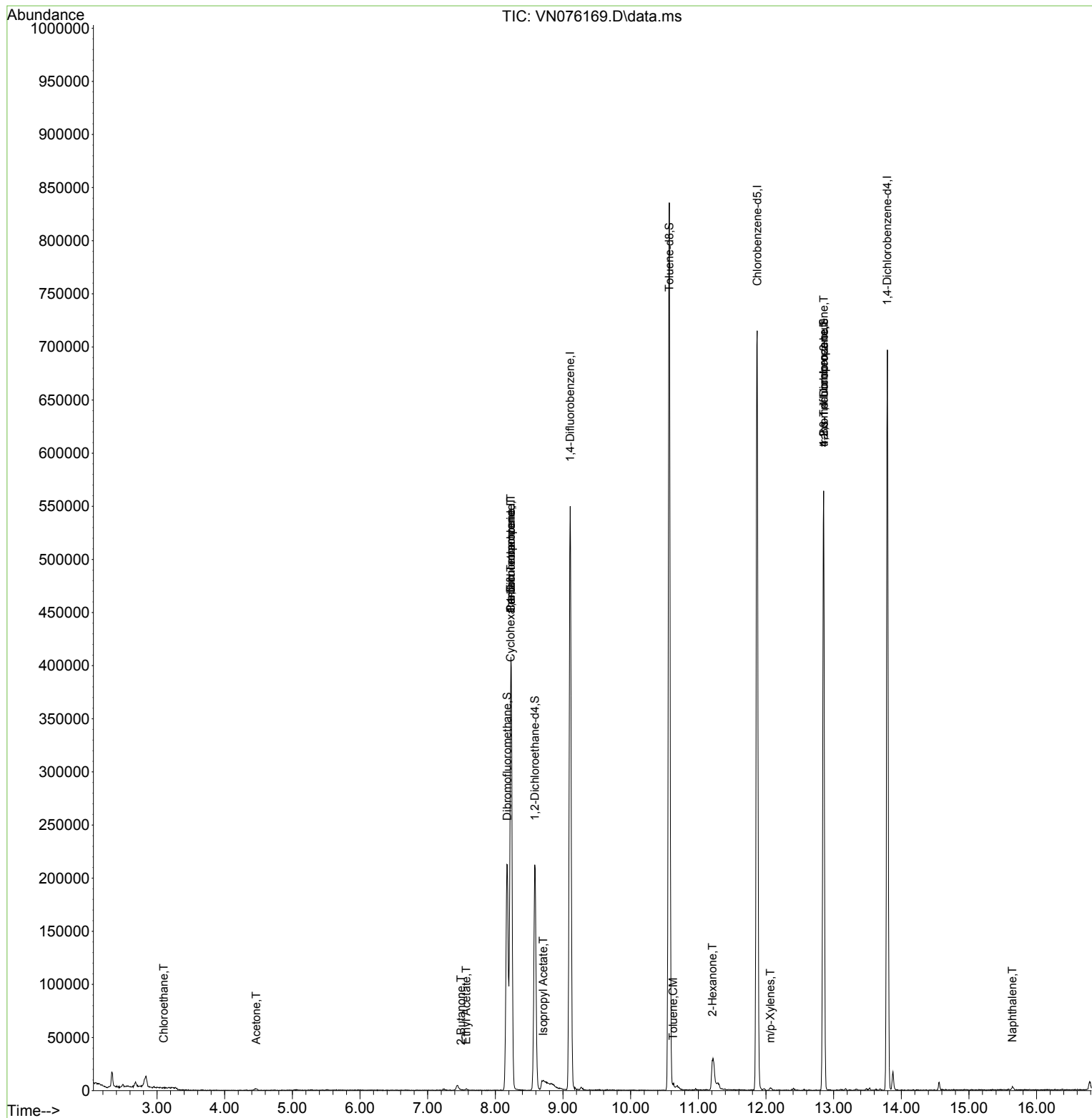
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 8.230          | 168  | 315975              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.106          | 114  | 501495              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.871         | 117  | 451896              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.794         | 152  | 191967              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.583          | 65   | 173326              | 50.422    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 100.840% |           |        |          |
| 35) Dibromofluoromethane      | 8.177          | 113  | 153993              | 49.584    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 99.160%  |           |        |          |
| 50) Toluene-d8                | 10.571         | 98   | 584543              | 50.340    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 100.680% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.853         | 95   | 185866              | 48.328    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 96.660%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           | Qvalue |          |
| 6) Chloroethane               | 3.101          | 64   | 1012                | 0.411     | ug/l # | 44       |
| 16) Acetone                   | 4.465          | 43   | 3181                | 2.684     | ug/l   | 94       |
| 20) Methylene Chloride        | 5.300          | 84   | 288                 | Below Cal | #      | 12       |
| 25) 2-Butanone                | 7.494          | 43   | 1068                | 0.644     | ug/l # | 40       |
| 31) Cyclohexane               | 8.224          | 56   | 6182                | 1.256     | ug/l # | 22       |
| 36) 1,1-Dichloropropene       | 8.230          | 75   | 23187               | 5.620     | ug/l # | 49       |
| 37) Ethyl Acetate             | 7.571          | 43   | 2377                | 0.717     | ug/l # | 73       |
| 38) Carbon Tetrachloride      | 8.230          | 117  | 31284               | 6.775     | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.706          | 43   | 10194               | 1.865     | ug/l # | 50       |
| 52) Toluene                   | 10.630         | 92   | 2120                | 0.256     | ug/l   | 78       |
| 59) 2-Hexanone                | 11.212         | 43   | 6580                | 2.729     | ug/l   | 62       |
| 68) m/p-Xylenes               | 12.065         | 106  | 1309                | 0.211     | ug/l   | 80       |
| 76) 1,2,3-Trichloropropane    | 12.853         | 75   | 95805               | 24.758    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.853         | 75   | 95805               | 89.118    | ug/l # | 12       |
| 95) Naphthalene               | 15.641         | 128  | 3532                | 2.501     | ug/l   | 94       |
| -----                         |                |      |                     |           |        |          |

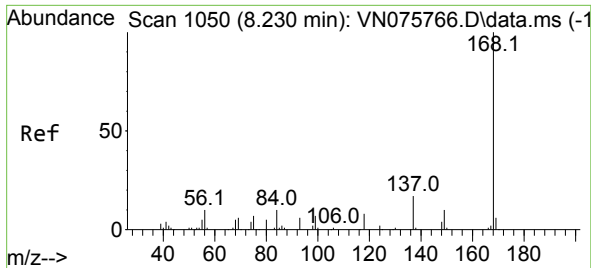
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010923\  
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AUD-1844

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Quant Title : SW846 8260  
QLast Update : Wed Dec 14 13:03:41 2022  
Response via : Initial Calibration

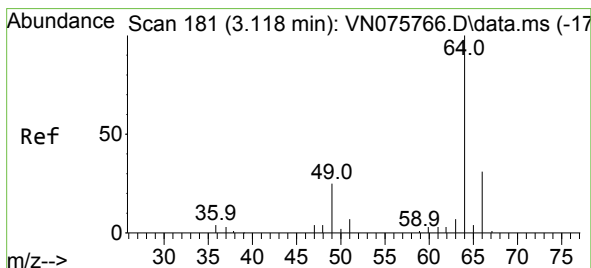
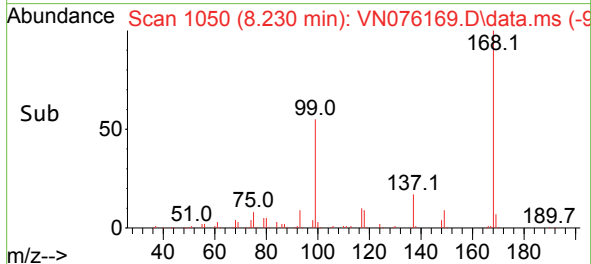
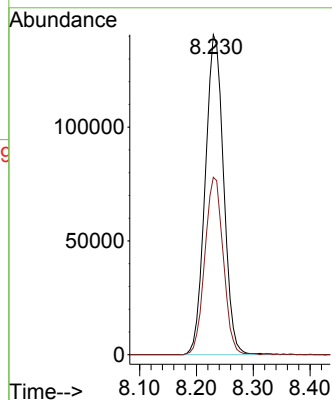
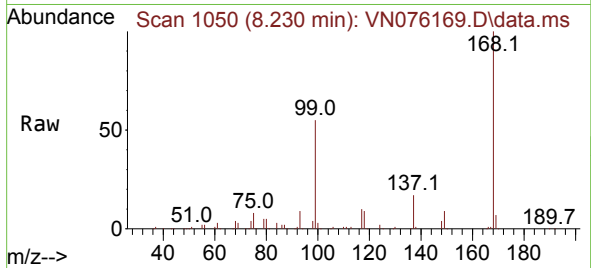




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VN076169.D  
Acq: 09 Jan 2023 20:28

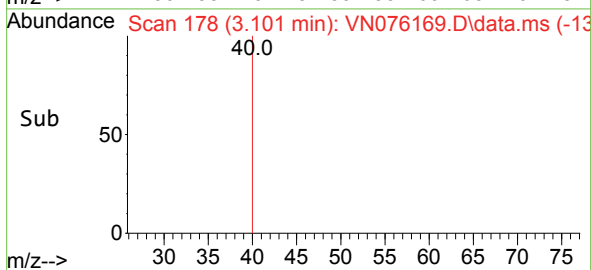
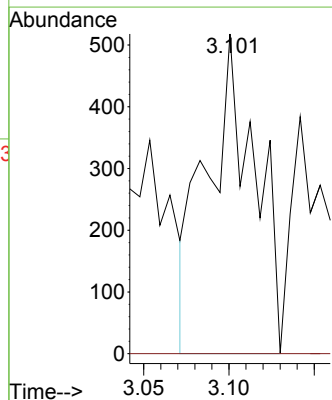
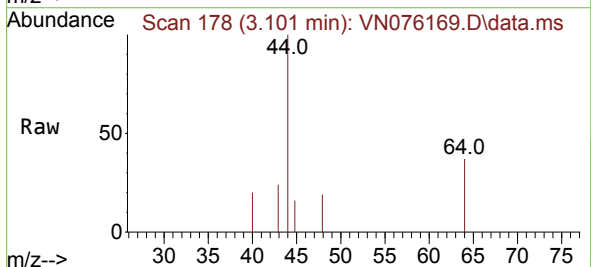
Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1844

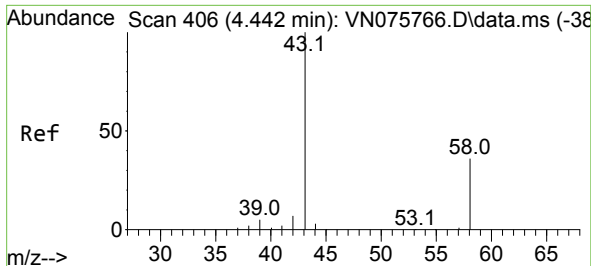
Tgt Ion:168 Resp: 315975  
Ion Ratio Lower Upper  
168 100  
99 55.5 44.2 66.4



#6  
Chloroethane  
Concen: 0.411 ug/l  
RT: 3.101 min Scan# 178  
Delta R.T. -0.018 min  
Lab File: VN076169.D  
Acq: 09 Jan 2023 20:28

Tgt Ion: 64 Resp: 1012  
Ion Ratio Lower Upper  
64 100  
66 0.0 24.6 36.8#





#16

Acetone

Concen: 2.684 ug/l

RT: 4.465 min Scan# 41

Delta R.T. 0.024 min

Lab File: VN076169.D

Acq: 09 Jan 2023 20:28

Instrument :

MSVOA\_N

ClientSampleId :

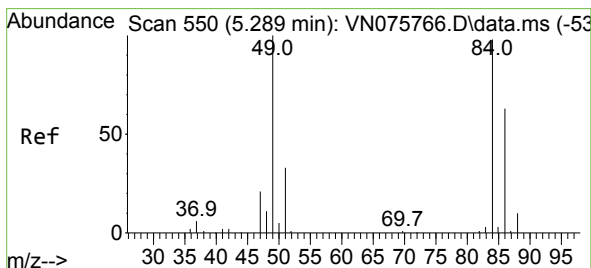
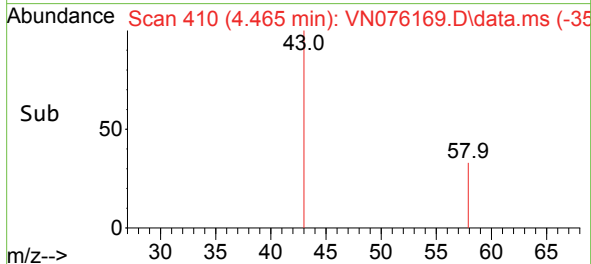
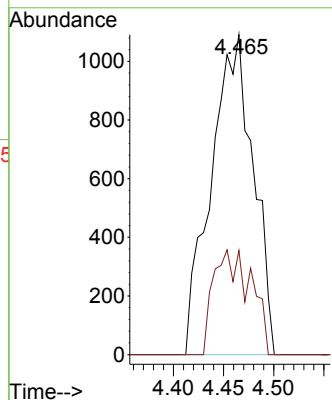
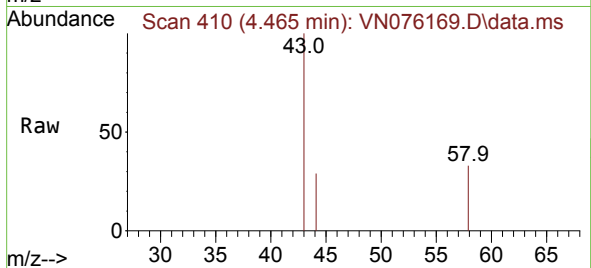
AUD-1844

Tgt Ion: 43 Resp: 3181

Ion Ratio Lower Upper

43 100

58 32.5 28.6 43.0



#20

Methylene Chloride

Concen: Below Cal

RT: 5.300 min Scan# 552

Delta R.T. 0.011 min

Lab File: VN076169.D

Acq: 09 Jan 2023 20:28

Tgt Ion: 84 Resp: 288

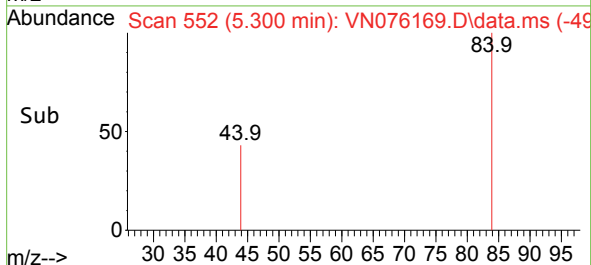
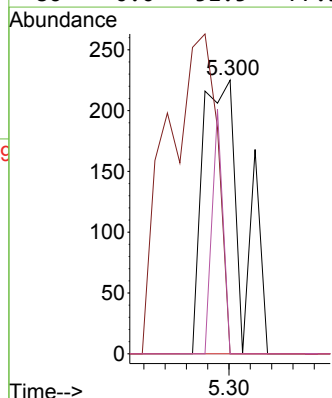
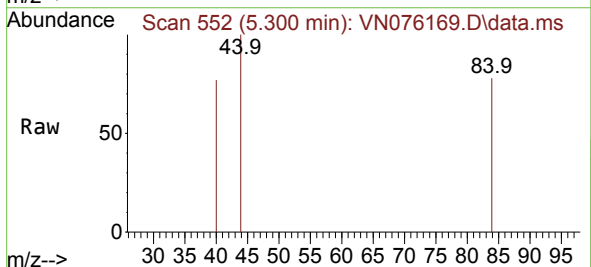
Ion Ratio Lower Upper

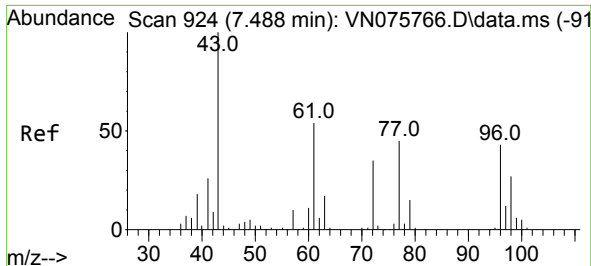
84 100

49 0.0 81.8 122.6#

51 0.0 26.7 40.1#

86 0.0 51.5 77.3#





#25

2-Butanone

Concen: 0.644 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN076169.D

Acq: 09 Jan 2023 20:28

Instrument :

MSVOA\_N

ClientSampleId :

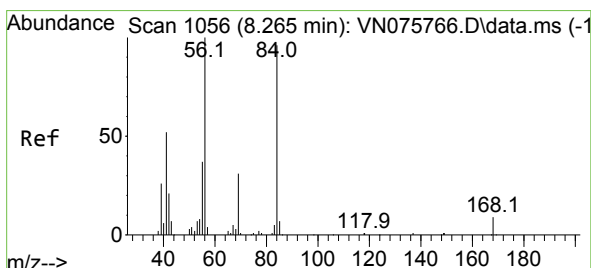
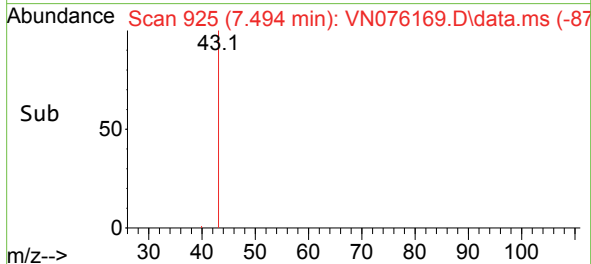
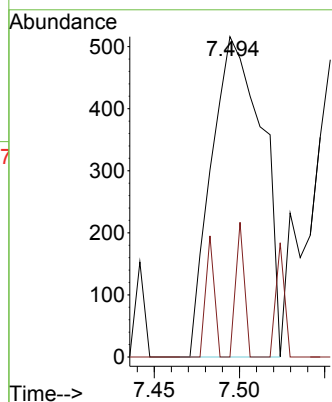
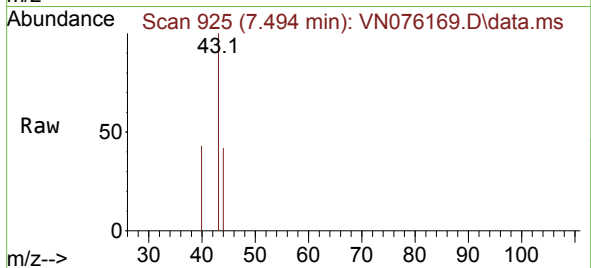
AUD-1844

Tgt Ion: 43 Resp: 1068

Ion Ratio Lower Upper

43 100

72 0.0 28.0 42.0#



#31

Cyclohexane

Concen: 1.256 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.041 min

Lab File: VN076169.D

Acq: 09 Jan 2023 20:28

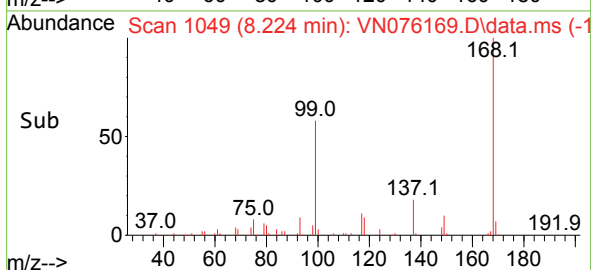
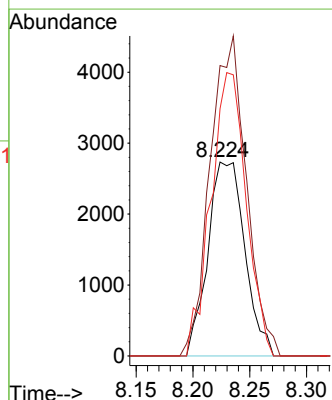
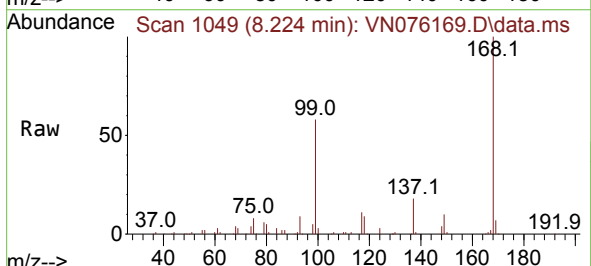
Tgt Ion: 56 Resp: 6182

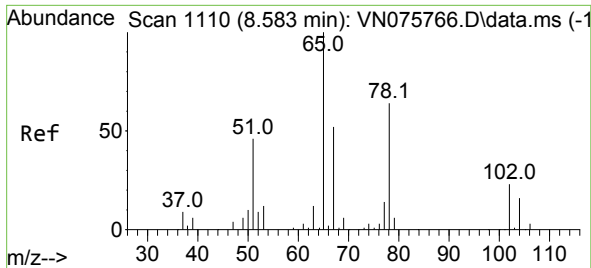
Ion Ratio Lower Upper

56 100

69 149.8 24.7 37.1#

84 127.5 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 50.422 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076169.D

Acq: 09 Jan 2023 20:28

Instrument :

MSVOA\_N

ClientSampleId :

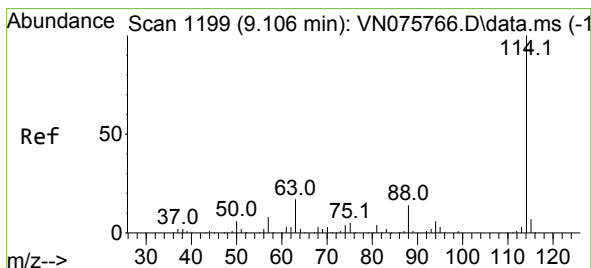
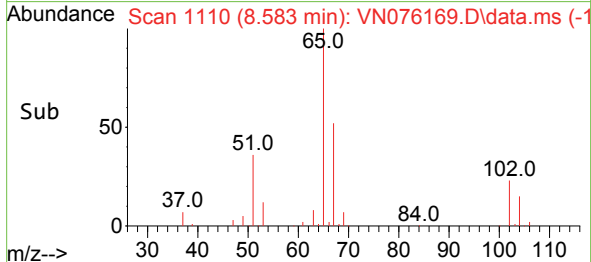
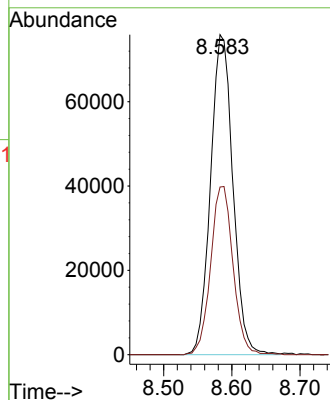
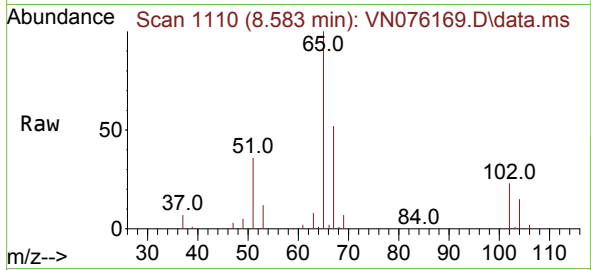
AUD-1844

Tgt Ion: 65 Resp: 173326

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076169.D

Acq: 09 Jan 2023 20:28

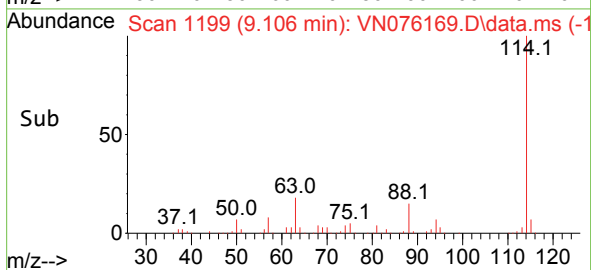
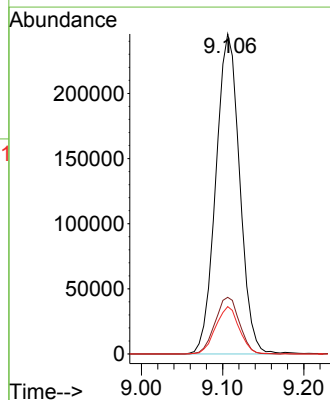
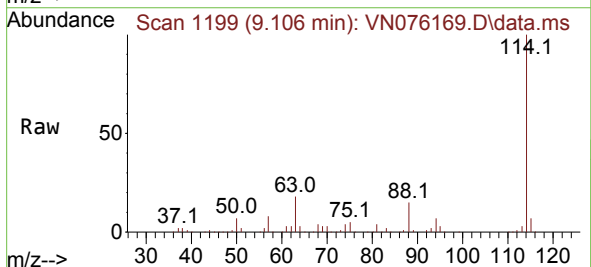
Tgt Ion: 114 Resp: 501495

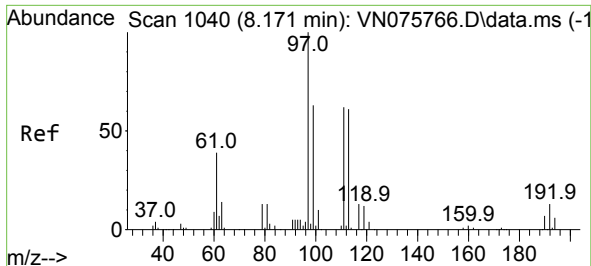
Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.4

88 14.8 0.0 28.8

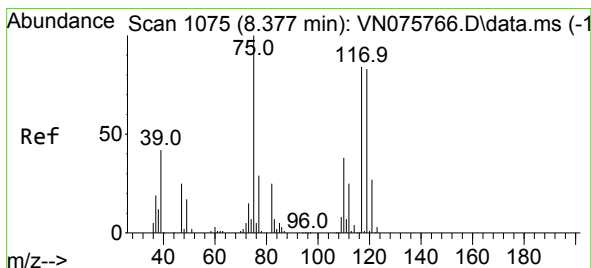
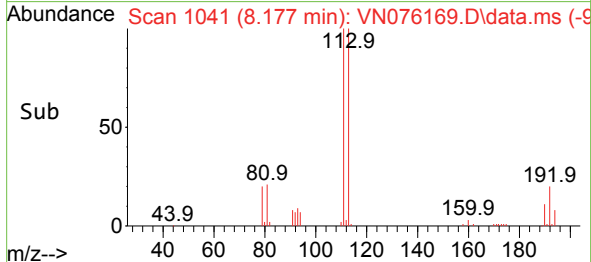
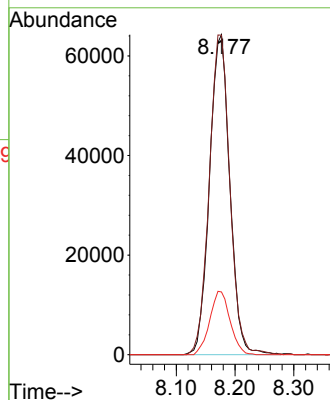
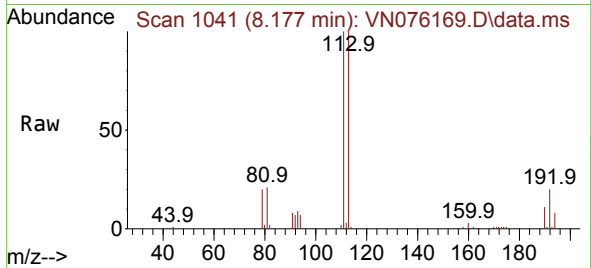




#35  
 Dibromofluoromethane  
 Concen: 49.584 ug/l  
 RT: 8.177 min Scan# 1040  
 Delta R.T. 0.006 min  
 Lab File: VN076169.D  
 Acq: 09 Jan 2023 20:28

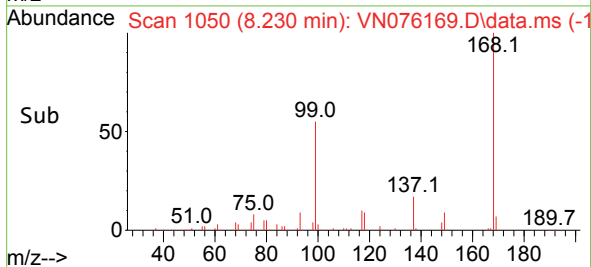
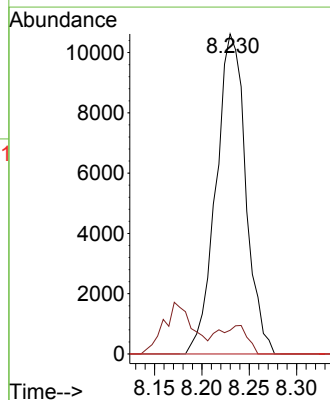
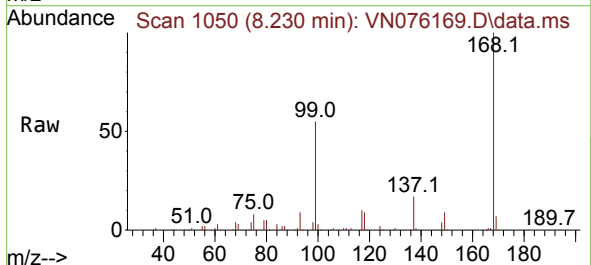
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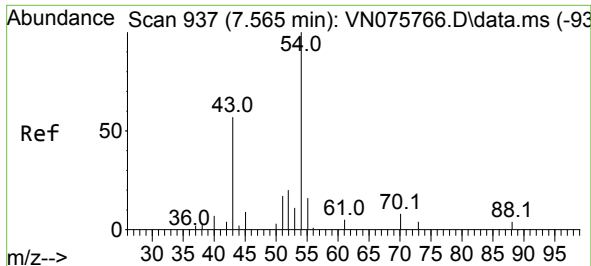
Tgt Ion:113 Resp: 153993  
 Ion Ratio Lower Upper  
 113 100  
 111 101.7 83.4 125.2  
 192 19.8 16.1 24.1



#36  
 1,1-Dichloropropene  
 Concen: 5.620 ug/l  
 RT: 8.230 min Scan# 1050  
 Delta R.T. -0.147 min  
 Lab File: VN076169.D  
 Acq: 09 Jan 2023 20:28

Tgt Ion: 75 Resp: 23187  
 Ion Ratio Lower Upper  
 75 100  
 110 8.8 18.8 56.4#  
 77 0.0 24.1 36.1#

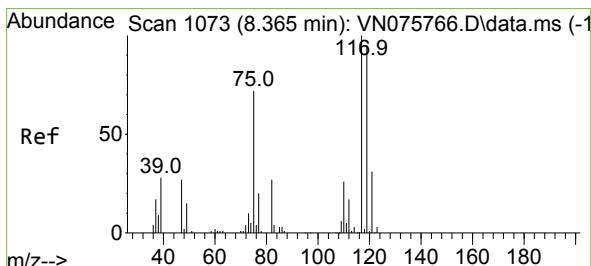
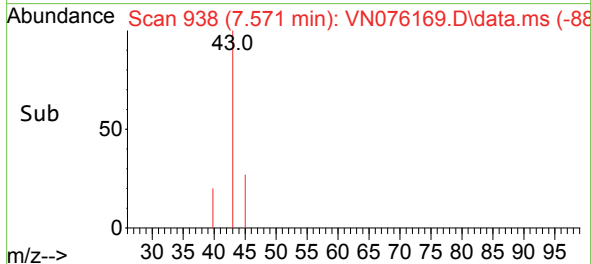
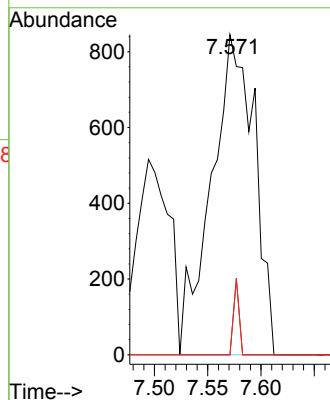
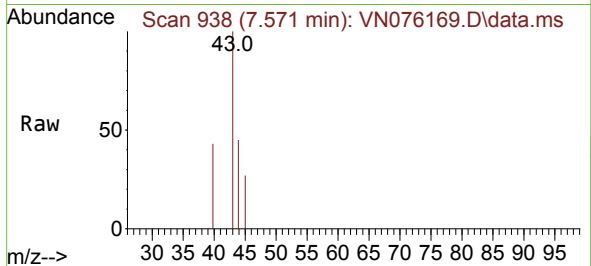




#37  
Ethyl Acetate  
Concen: 0.717 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN076169.D  
Acq: 09 Jan 2023 20:28

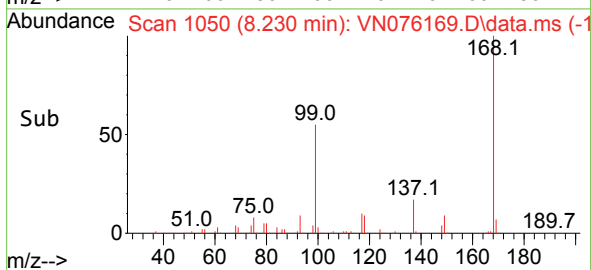
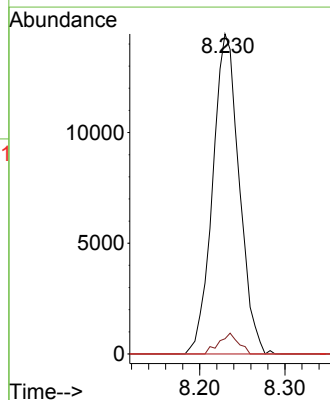
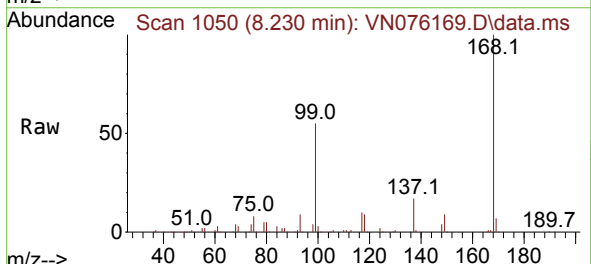
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MSVOA\_N  
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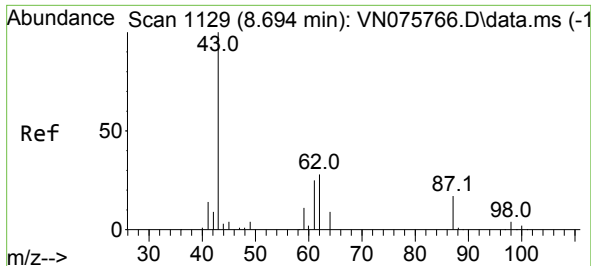
Tgt Ion: 43 Resp: 2377  
Ion Ratio Lower Upper  
43 100  
61 3.0 13.0 19.4#  
70 3.0 9.4 14.0#



#38  
Carbon Tetrachloride  
Concen: 6.775 ug/l  
RT: 8.230 min Scan# 1050  
Delta R.T. -0.135 min  
Lab File: VN076169.D  
Acq: 09 Jan 2023 20:28

Tgt Ion: 117 Resp: 31284  
Ion Ratio Lower Upper  
117 100  
119 4.7 76.1 114.1#  
121 0.0 24.5 36.7#

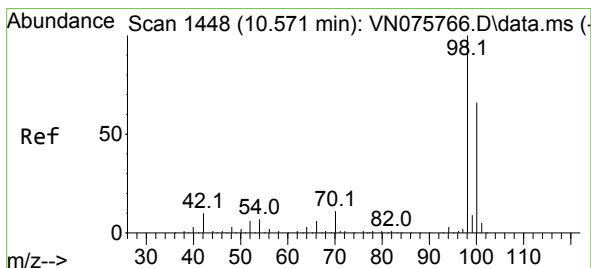
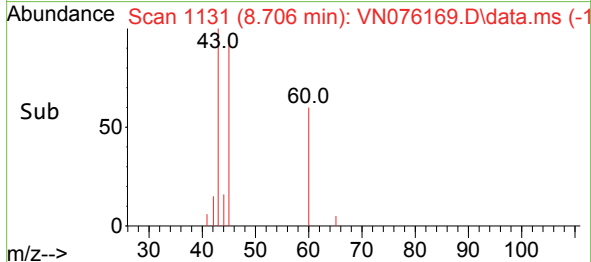
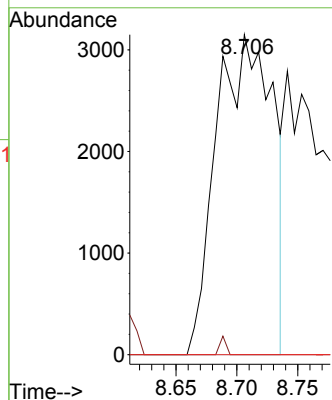
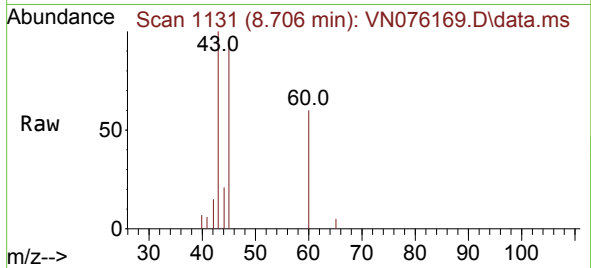




#43  
Isopropyl Acetate  
Concen: 1.865 ug/l  
RT: 8.706 min Scan# 1129  
Delta R.T. 0.012 min  
Lab File: VN076169.D  
Acq: 09 Jan 2023 20:28

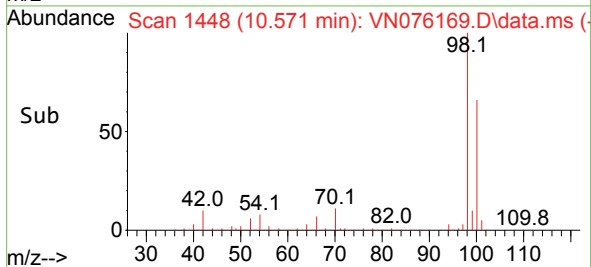
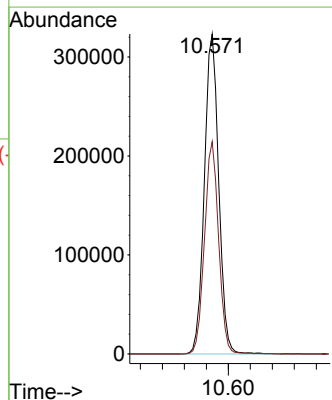
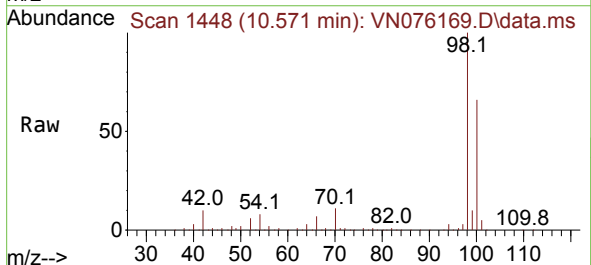
Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1844

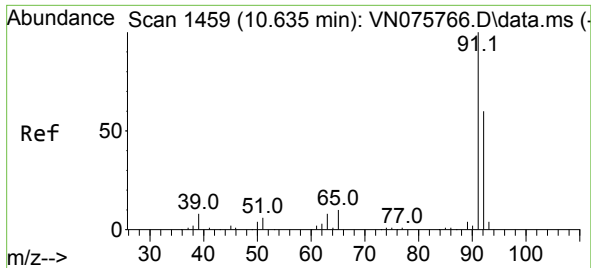
Tgt Ion: 43 Resp: 10194  
Ion Ratio Lower Upper  
43 100  
61 0.0 24.2 36.4#  
87 0.0 13.3 19.9#



#50  
Toluene-d8  
Concen: 50.340 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN076169.D  
Acq: 09 Jan 2023 20:28

Tgt Ion: 98 Resp: 584543  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.1 78.1

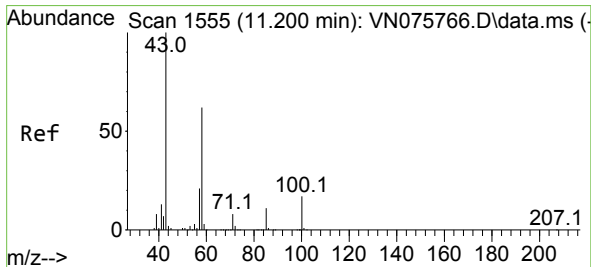
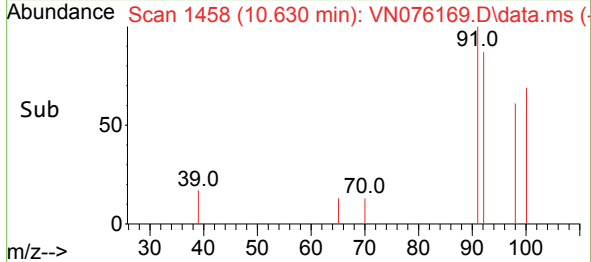
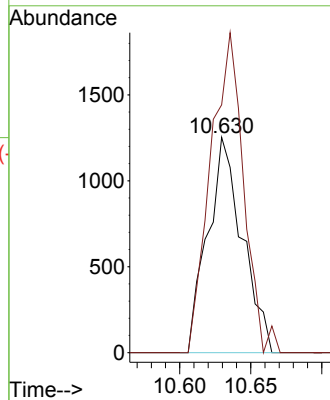
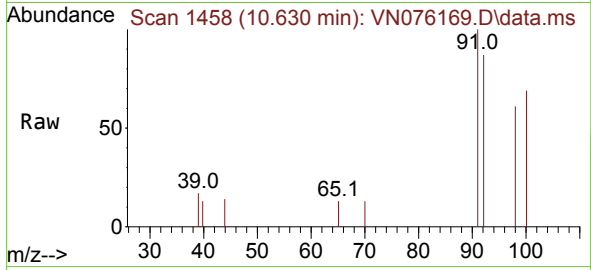




#52  
Toluene  
Concen: 0.256 ug/l  
RT: 10.630 min Scan# 1459  
Delta R.T. -0.006 min  
Lab File: VN076169.D  
Acq: 09 Jan 2023 20:28

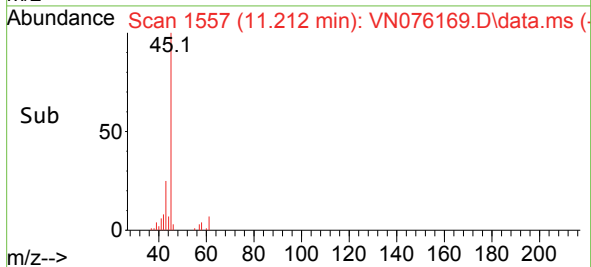
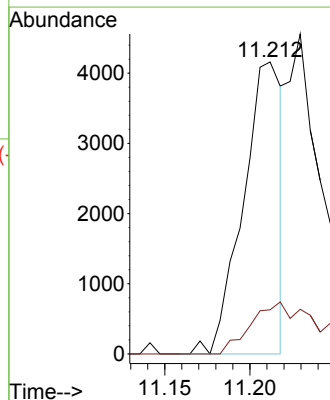
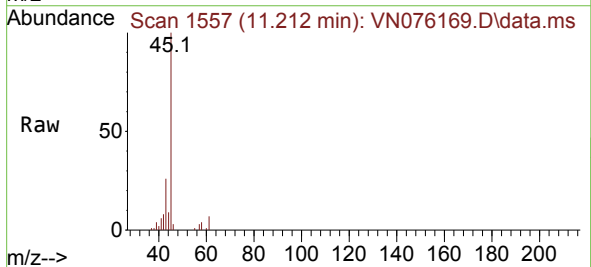
Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1844

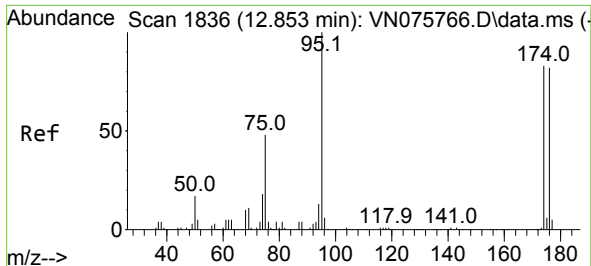
Tgt Ion: 92 Resp: 2120  
Ion Ratio Lower Upper  
92 100  
91 141.8 137.3 205.9



#59  
2-Hexanone  
Concen: 2.729 ug/l  
RT: 11.212 min Scan# 1557  
Delta R.T. 0.012 min  
Lab File: VN076169.D  
Acq: 09 Jan 2023 20:28

Tgt Ion: 43 Resp: 6580  
Ion Ratio Lower Upper  
43 100  
58 32.4 30.6 92.0

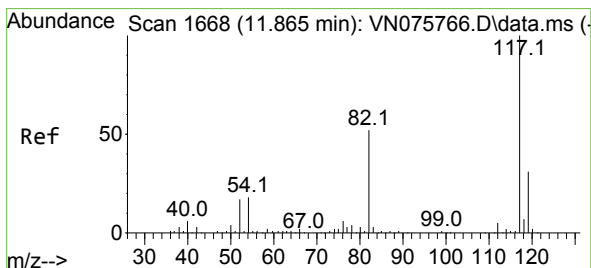
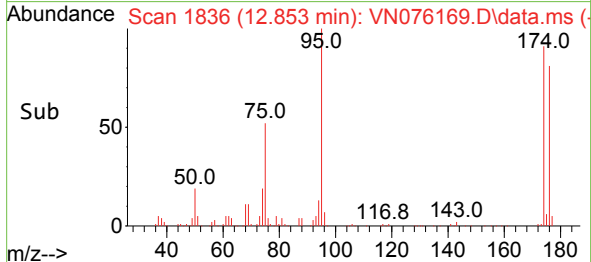
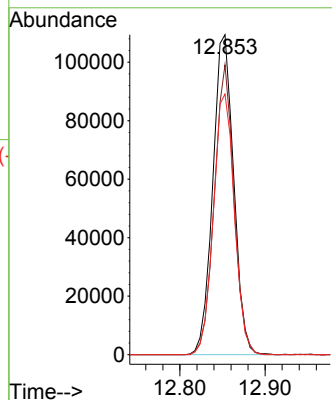
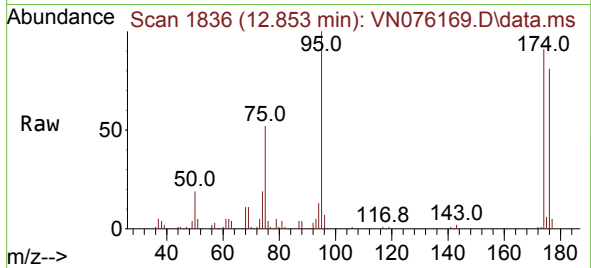




#62  
4-Bromofluorobenzene  
Concen: 48.328 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN076169.D  
Acq: 09 Jan 2023 20:28

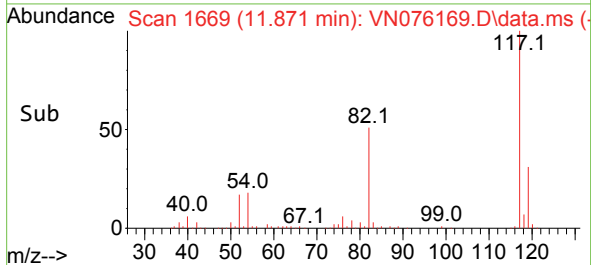
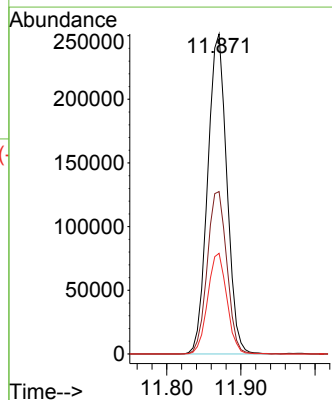
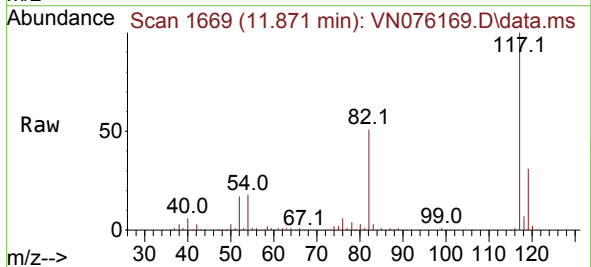
Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1844

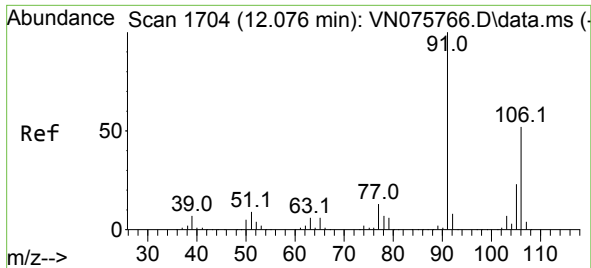
Tgt Ion: 95 Resp: 185866  
Ion Ratio Lower Upper  
95 100  
174 85.5 0.0 171.6  
176 81.9 0.0 169.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1669  
Delta R.T. 0.006 min  
Lab File: VN076169.D  
Acq: 09 Jan 2023 20:28

Tgt Ion: 117 Resp: 451896  
Ion Ratio Lower Upper  
117 100  
82 50.7 41.3 61.9  
119 31.5 24.6 37.0

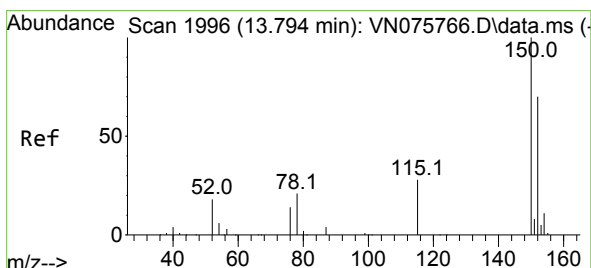
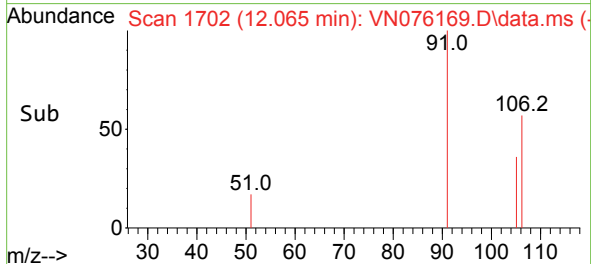
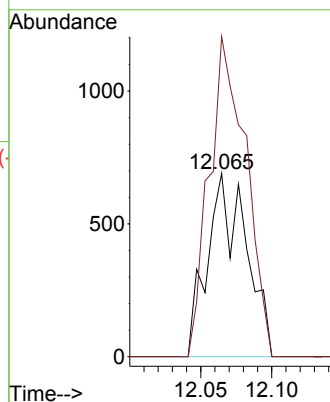
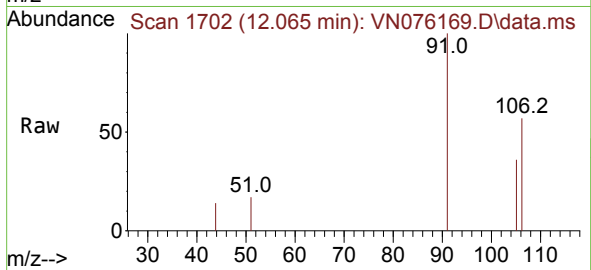




#68  
m/p-Xylenes  
Concen: 0.211 ug/l  
RT: 12.065 min Scan# 1704  
Delta R.T. -0.012 min  
Lab File: VN076169.D  
Acq: 09 Jan 2023 20:28

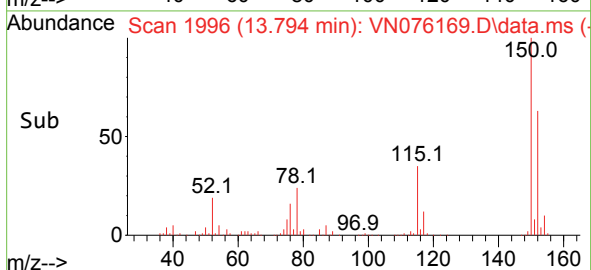
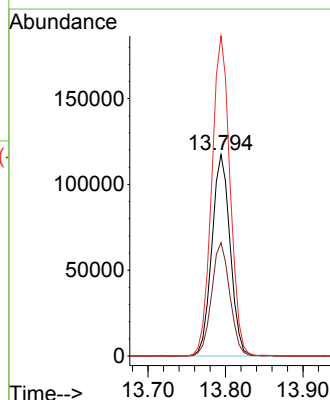
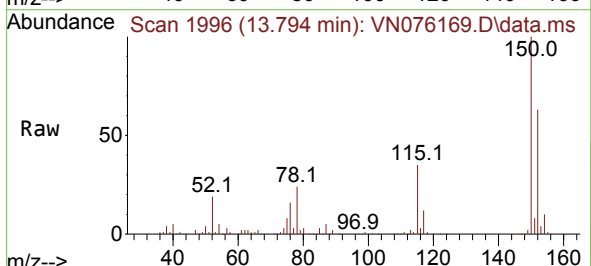
Instrument :  
MSVOA\_N  
ClientSampleId :  
AUD-1844

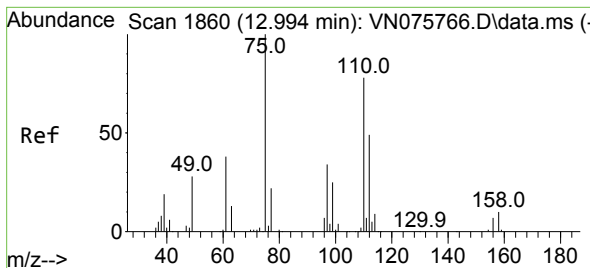
Tgt Ion:106 Resp: 1309  
Ion Ratio Lower Upper  
106 100  
91 165.7 156.6 235.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN076169.D  
Acq: 09 Jan 2023 20:28

Tgt Ion:152 Resp: 191967  
Ion Ratio Lower Upper  
152 100  
115 56.2 29.1 87.4  
150 159.5 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 24.758 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076169.D

Acq: 09 Jan 2023 20:28

Instrument :

MSVOA\_N

ClientSampleId :

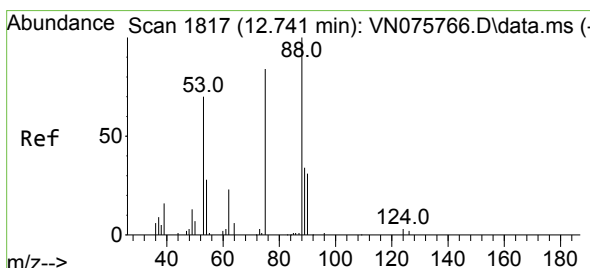
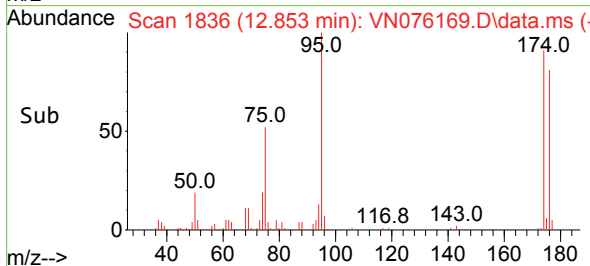
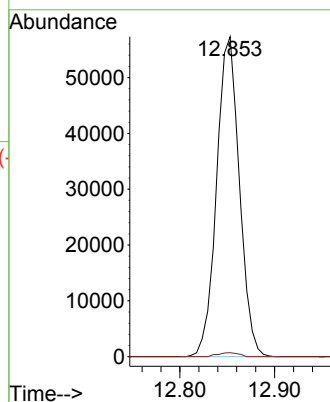
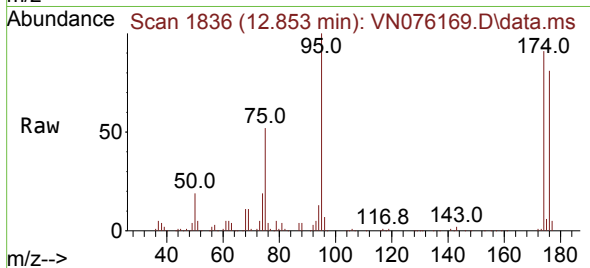
AUD-1844

Tgt Ion: 75 Resp: 95805

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.118 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN076169.D

Acq: 09 Jan 2023 20:28

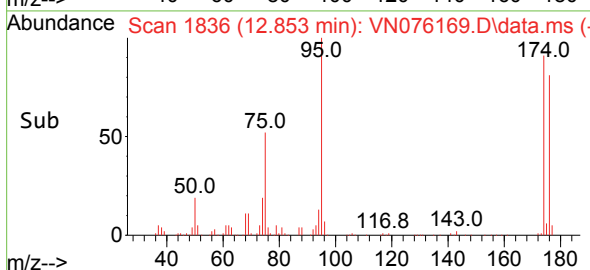
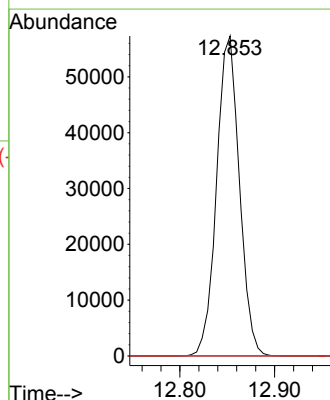
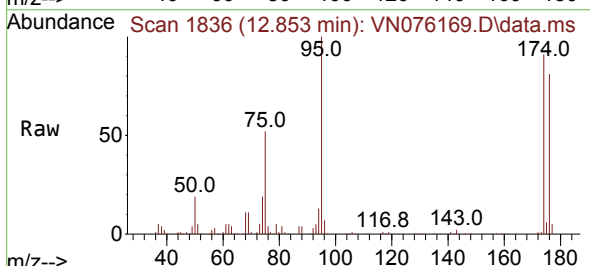
Tgt Ion: 75 Resp: 95805

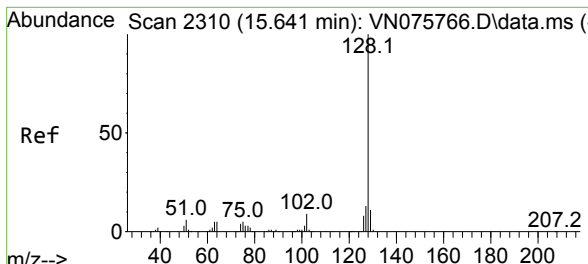
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

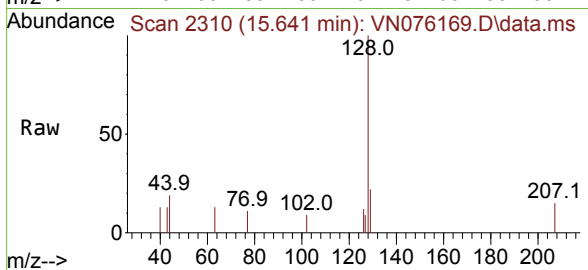
89 0.0 39.5 59.3#





#95  
 Naphthalene  
 Concen: 2.501 ug/l  
 RT: 15.641 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN076169.D  
 Acq: 09 Jan 2023 20:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 AUD-1844



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 3532  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 10.7  | 10.4  | 15.6  |
| 129      | 13.1  | 8.7   | 13.1  |

